

# Entity and Attribute Definitions Report

Run by: CASEOWNER  
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Total Pages: 288  
Total Entities: 225

## Parameters

|                                        |      |
|----------------------------------------|------|
| <i>Application:</i>                    | SPAR |
| <i>Entities:</i>                       | %    |
| <i>ER Diagram:</i>                     | %    |
| <i>Include Entity Notes?</i>           | Y    |
| <i>Include Attribute Descriptions?</i> | Y    |
| <i>Include Attribute Notes?</i>        | Y    |
| <i>Include Attribute Values?</i>       | Y    |
| <i>Include Table of Contents?</i>      | N    |
| <i>Include Index of Entities?</i>      | Y    |

|                                         |                     |              |                     |                  |
|-----------------------------------------|---------------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> ACCOUNT STATUS CODE |                     |              | Short Name:         | ASC              |
| Plural:                                 | ACCOUNT STATUS CODE |              |                     |                  |
| Init. Volume:                           | 50                  | Avg. Volume: | 5                   | Max. Volume: 250 |
|                                         |                     |              | Annual Growth Rate: |                  |

Description:  
A list of valid Account Statuses Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * ACCOUNT STATUS CODE                        |               | N          | VARCHAR2      | 3             |
| A code describing various Account Statuses.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more CLNT\_RCVBL\_ACCT  
\* = Relationships in primary unique identifier.

Unique Identifiers:  
ACCOUNT\_STATUS\_CODE\_PK      Primary   Y  
ACCOUNT STATUS CODE

|                                       |                   |              |                     |      |
|---------------------------------------|-------------------|--------------|---------------------|------|
| <b>Entity Name:</b> ACCOUNT TYPE CODE |                   |              | Short Name:         | ATC2 |
| Plural:                               | ACCOUNT TYPE CODE |              |                     |      |
| Init. Volume:                         | Avg. Volume:      | Max. Volume: | Annual Growth Rate: |      |

Description:  
A list of valid Account Type Codes.

Attributes:

| <u>Name</u>                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------|---------------|------------|---------------|---------------|
| * ACCOUNT TYPE CODE<br>A code describing various Account Types. |               | N          | VARCHAR2      | 3             |
| DESCRIPTION<br>A description for the affiliated code.           | DESCRIPTION   | N          | VARCHAR2      | 120           |
| EFFECTIVE DATE<br>The effective date the code is in effect.     | AUDIT_DATE    | N          | DATE          |               |
| EXPIRY DATE<br>The date the code expires on.                    | AUDIT_DATE    | N          | DATE          |               |
| UPDATE TIMESTAMP<br>The date and time of the last update.       |               | N          | DATE          |               |
| * = Attributes in primary unique identifier.                    |               |            |               |               |

Relationships:  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more CLNT\_RCVBL\_ACCT  
\* = Relationships in primary unique identifier.

Unique Identifiers:  
ACCOUNT\_TYPE\_CODE\_PK      Primary   Y  
ACCOUNT TYPE CODE

**Entity Name:** ACK MASK SUBSET**Short Name:** AMS**Plural:** ACK MASK SUBSET**Init. Volume:** 200**Avg. Volume:** 100**Max. Volume:** 400**Annual Growth Rate:****Description:**

CONTAINS SUBSETS TO THE ACCOUNT CONTROL KEY CODES LISTED IN ACK\_MASK. THE SUBSET CODES ARE USED WHEN SOME CODES FROM ACK\_MASK ARE VALID FOR AN APPLICATION BUT OTHERS ARE NOT. THIS SUBSET PERFORMS A FUNCTION SIMILAR TO THE CODE\_SUBSET\_TBL ENTITY.

**Attributes:**

| <u>Name</u>          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------|---------------|------------|---------------|---------------|
| * ACK MASK SBST NAME |               | N          | VARCHAR2      | 18            |
| * ACK MASK ACODE     |               | N          | VARCHAR2      | 3             |

\* = Attributes in primary unique identifier.

**Unique Identifiers:**

|                      |         |   |
|----------------------|---------|---|
| I1\$_ACK_MASK_SUBSET | Primary | N |
| ACK MASK ACODE       |         |   |
| ACK MASK SBST NAME   |         |   |
| ACK_MASK_SUBSET_PK   | Primary | Y |
| ACK MASK SBST NAME   |         |   |
| ACK MASK ACODE       |         |   |

|                                        |                    |              |                     |                  |
|----------------------------------------|--------------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> ACTIVITY TYPE CODE |                    |              | Short Name:         | ATC              |
| Plural:                                | ACTIVITY TYPE CODE |              |                     |                  |
| Init. Volume:                          | 50                 | Avg. Volume: | 5                   | Max. Volume: 250 |
|                                        |                    |              | Annual Growth Rate: |                  |

Description:

A list of valid Activity Type Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * ACTIVITY_TYPE_CODE                         |               | N          | VARCHAR2      | 3             |
| A code describing various Activity Types.    |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more STANDARD\_ACTIVITY

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| ACTIVITY_TYPE_CODE_PK | Primary | Y |
| ACTIVITY_TYPE_CODE    |         |   |

|                                       |                   |                     |                            |                         |
|---------------------------------------|-------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> ARRIVAL TIME CODE |                   |                     | <i>Short Name:</i>         | ATC1                    |
| <i>Plural:</i>                        | ARRIVAL TIME CODE |                     |                            |                         |
| <i>Init. Volume:</i>                  | 50                | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                       |                   |                     | <i>Annual Growth Rate:</i> |                         |

Description:

A list of valid Arrival Time Codes.

Attributes:

| <u>Name</u>                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------|---------------|------------|---------------|---------------|
| * ARRIVAL_TIME_CODE                           |               | N          | VARCHAR2      | 5             |
| A code describing various Arrival Time codes. |               |            |               |               |
| DESCRIPTION                                   | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.        |               |            |               |               |
| EFFECTIVE_DATE                                | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.     |               |            |               |               |
| EXPIRY_DATE                                   | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                 |               |            |               |               |
| UPDATE_TIMESTAMP                              |               | N          | DATE          |               |
| The date and time of the last update.         |               |            |               |               |
| * = Attributes in primary unique identifier.  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more EXPECTED SHIPMENT RECEIPT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                      |         |   |
|----------------------|---------|---|
| ARRIVAL_TIME_CODE_PK | Primary | Y |
| ARRIVAL_TIME_CODE    |         |   |

|                      |                    |                     |                            |                     |     |
|----------------------|--------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | AUTHORIZATION CODE |                     |                            | <i>Short Name:</i>  | AC  |
| <i>Plural:</i>       | AUTHORIZATION CODE |                     |                            |                     |     |
| <i>Init. Volume:</i> | 50                 | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250 |
|                      |                    |                     | <i>Annual Growth Rate:</i> |                     |     |

*Description:*

A list of valid Authorization Codes.

*Attributes:*

| <u>Name</u>                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------|---------------|------------|---------------|---------------|
| * AUTHORIZATION_CODE                           |               | N          | VARCHAR2      | 3             |
| A code describing various Authorization Codes. |               |            |               |               |
| DESCRIPTION                                    | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.         |               |            |               |               |
| EFFECTIVE_DATE                                 | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.      |               |            |               |               |
| EXPIRY_DATE                                    | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                  |               |            |               |               |
| UPDATE_TIMESTAMP                               |               | N          | DATE          |               |
| The date and time of the last update.          |               |            |               |               |
| * = Attributes in primary unique identifier.   |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

- MAY BE contains a code foe one or more REQUEST ITEM
  - MAY BE contains a code for one or more SEEDLOT OWNER QUANTITY
  - MAY BE contains a code for one or more SPAR REQUEST
- \* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                       |         |   |
|-----------------------|---------|---|
| AUTHORIZATION_CODE_PK | Primary | Y |
| AUTHORIZATION_CODE    |         |   |

**Entity Name:** BAREROOT RULE

Short Name:

BR1

Plural: BAREROOT RULE

Init. Volume: 250

Avg. Volume: 50

Max. Volume: 500

Annual Growth Rate:

**Description:**

A table which defines the Bareroot Sowing Rules. It provides the viable seeds per metre and the trees per metre based on the nursery, species, genetic class and the sowing method.

Foreign Key Relationships

Client Location

CLIENT\_NUMBER, CLIENT\_LOCN\_CODE

Code List

GENETIC\_CLASS\_CD, SOWING\_METHOD\_CD

Code Subset

VEGETATION\_ST

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                       | <u>Domain</u>      | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|---------------|---------------|
| * CLIENT_NUMBER                                                                                                                                                                                                                   |                    | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry Client.                                                                                                                                                       |                    |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                |                    | N          | VARCHAR2      | 2             |
| A code to uniquely identify within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |                    |            |               |               |
| * VEGETATION_CODE                                                                                                                                                                                                                 | VEGETATION_CODE    | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                               |                    |            |               |               |
| * GENETIC_CLASS_CODE                                                                                                                                                                                                              | GENETIC_CLASS_CODE | N          | VARCHAR2      | 1             |
| 'A' class represents genetically improved orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings.                                                                                           |                    |            |               |               |
| * SOWING_METHOD_CODE                                                                                                                                                                                                              |                    | N          | VARCHAR2      | 1             |
| A code which represents the type of sowing method/machine whihc is to be used.                                                                                                                                                    |                    |            |               |               |
| VIABLE_SEEDS_METRE                                                                                                                                                                                                                |                    | N          | NUMBER        | 5,0           |
| The number of viable seeds sown per metre of seed bed required to produce a given number of seedlings.                                                                                                                            |                    |            |               |               |
| TREES_PER_METRE                                                                                                                                                                                                                   |                    | N          | NUMBER        | 5,0           |
| The number of seedlings produced per metre of seed bed.                                                                                                                                                                           |                    |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                    | REVISION_CNT       | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.                                                                                                                                           |                    |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                      |                    |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is\_applied\_at\_nursery\_owned\_by one and only one CLIENT LOCATION

MUST BE is described by one and only one GENETIC CLASS CODE

MUST BE is described by one and only one SOWING METHOD CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

BAREROOT\_RULE\_PK

Primary Y

CLIENT\_NUMBER

CLIENT\_LOCN\_CODE

VEGETATION\_CODE

GENETIC\_CLASS\_CODE

SOWING\_METHOD\_CODE

**Entity Name:** BEC CODE TABLE

Short Name:

BCT

Plural: BEC CODE TABLE

Init. Volume: 300

Avg. Volume: 50

Max. Volume: 500

Annual Growth Rate:

**Description:**

A domain list for valid biogeoclimatic zones, subzone and ecosystem codes. This table will be redesigned in 1993 to break out current attributes into their component fields. This table has superseded in 1998 the BGC Zone XREF Table.

The following list contains the complete set of valid combinations of biogeoclimatic zone, subzone, variant and phase. Any other combinations are not valid. Undefined subzones (CODE UN) are indicated in the provincial digital BEC map with a third letter.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                           | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * BEC_CODE_ID                                                                                                                                                                                                                                         |               | N NUMBER                 | 5             |
| A unique identifier to uniquely define a BGC Zone, Subzone, Variant and Phase combination.                                                                                                                                                            |               |                          |               |
| BGC_ZONE_CD                                                                                                                                                                                                                                           |               | N VARCHAR2               | 4             |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |               |                          |               |
| BGC_SUBZONE_CD                                                                                                                                                                                                                                        |               | N VARCHAR2               | 3             |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |               |                          |               |
| VARIANT                                                                                                                                                                                                                                               |               | Y VARCHAR2               | 1             |
| A division of biogeoclimatic information. A unit of site classification defined as all land areas capable of producing vegetation belonging to the same plant association at climax, within a subzone or variant. A division of the site association. |               |                          |               |
| PHASE                                                                                                                                                                                                                                                 |               | Y VARCHAR2               | 1             |
| A division of biogeoclimatic information. A unit of site classification defined as all land areas capable of producing vegetation belonging to the same plant association at climax, within a subzone or variant. A division of the site association. |               |                          |               |
| ZONE_NAME                                                                                                                                                                                                                                             |               | N VARCHAR2               | 35            |
| A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                 |               |                          |               |
| SUBZONE_NAME                                                                                                                                                                                                                                          |               | N VARCHAR2               | 35            |
| A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                 |               |                          |               |
| VARIANT_NAME                                                                                                                                                                                                                                          |               | Y VARCHAR2               | 20            |
| A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                 |               |                          |               |
| PHASE_NAME                                                                                                                                                                                                                                            |               | Y VARCHAR2               | 15            |
| A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                 |               |                          |               |
| NOTES                                                                                                                                                                                                                                                 |               | Y VARCHAR2               | 72            |
| A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                 |               |                          |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE associates one or more BEC SITE SERIES

MAY BE has a collection of one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

**Entity Name:** BEC CODE TABLE (cont'd)

Short Name:

BCT

|                     |         |   |
|---------------------|---------|---|
| I1\$_BEC_CODE_TABLE | Primary | N |
| VARIANT             |         |   |
| PHASE               |         |   |
| BGC_ZONE_CD         |         |   |
| BGC_SUBZONE_CD      |         |   |
| BEC_CODE_TABLE_PK   | Primary | Y |
| BEC_CODE_ID         |         |   |

**Entity Name:** BEC GEOMETRY**Short Name:** BECGEOM**Plural:** BEC GEOMETRY**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Defines the geographic boundaries of BEC classification areas down to the Phase level.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                                                                           | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * BEC GEOMETRY ID                                                                                                                                                                                                                                                                                                                     |                 | Y          | NUMBER        | 10            |
| Assigned numeric identifier for a biogeoclimatic entry unique within a biogeoclimatic unit.                                                                                                                                                                                                                                           |                 |            |               |               |
| BGC SUBZONE CODE                                                                                                                                                                                                                                                                                                                      |                 | Y          | VARCHAR2      | 3             |
| A code uniquely identifying a Biogeoclimatic SubZone of interest to MOF. A code used to designate a division of a specific biogeoclimatic Zone; a geographic area with a fairly uniform regional climate and a typical pattern of vegetation and soils. Subzones are not unique. They are only meaningful in conjunction with a Zone. |                 |            |               |               |
| VARIANT                                                                                                                                                                                                                                                                                                                               |                 | Y          | VARCHAR2      | 1             |
| A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area with a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone.                                                                         |                 |            |               |               |
| PHASE                                                                                                                                                                                                                                                                                                                                 |                 | Y          | VARCHAR2      | 1             |
| A one character code used to denote an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases are not unique. They only have meaning in combination with a specific Zone, Subzone and Variant.                                                                                      |                 |            |               |               |
| GEOMETRY                                                                                                                                                                                                                                                                                                                              |                 | N          | IMAGE         |               |
| GEOMETRY is the Oracle Spatial SDO Geometry representation of a BIOGEOCLIMATIC POLY.                                                                                                                                                                                                                                                  |                 |            |               |               |
| ENTRY USERID                                                                                                                                                                                                                                                                                                                          | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.                                                                                                                                                                                                                                         |                 |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                                                                                                                                                                                                       | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                                                                                                                                                                                                  |                 |            |               |               |
| UPDATE USERID                                                                                                                                                                                                                                                                                                                         | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.                                                                                                                                                                                                                                         |                 |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                                                                                                                                                                                                      | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                                                                                                                                                                                                  |                 |            |               |               |
| REVISION COUNT                                                                                                                                                                                                                                                                                                                        |                 | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.                                                                                                                                                                                                                                               |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                                                                                                          |                 |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE defines boundary of one and only one BGC ZONE CODE

MUST BE feature type described by one and only one FEATURE CLASS

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

BGCZGEOM Primary Y

BEC GEOMETRY ID

**Notes:**

This entity is Owned by Research Branch but is being developed as part of SPAR.

**Entity Name:** BEC SITE SERIES*Short Name:*

BSS

*Plural:* BEC SITE SERIES*Init. Volume:* 2500*Avg. Volume:* 100*Max. Volume:* 3000*Annual Growth Rate:***Description:**

Within the BEC system, all sites capables of producing the same mature or climax plant communities within a biogeoclimatic subzone or variant.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * BEC_CODE_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | N NUMBER                 | 5,0           |
| A unique identifier to uniquely define a BGC Zone, Subzone, Variant and Phase combination.                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |               |
| * BEC_SITE_SERIES_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | N NUMBER                 | 5,0           |
| A unique identifier to uniquely define a BGC Site Series and Phase code combination.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                          |               |
| BEC_SITE_SERIES_CD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               | N VARCHAR2               | 2             |
| A code for a site series which is defined as all land areas capable of producing vegetation belonging to the same plant association (or sometimes, subassociation) within a biogeoclimatic subzone or variant. Two-digit numeric codes are usually forested site series; four-character alphanumeric codes are non-forested site series including wetlands, grasslands, talus, rock outcrops, etc. Any two-digit numeric codes for non-forested site series will be migrated to the alphanumeric codes whenever field guides are updated. |               |                          |               |
| SITE_SER_PHASE_CD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               | N VARCHAR2               | 3             |
| A subdivision of a site series used when site or soil properties differ sufficiently to affect management prescriptions.                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                          |               |
| SITE_SERIES_DESC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               | Y VARCHAR2               | 80            |
| A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                                                                                                                                                                                                                                                                                                     |               |                          |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                          |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is associated with one and only one BEC CODE TABLE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

BEC\_SITE\_SERIES\_PK                      Primary   Y

BEC\_CODE\_ID

BEC\_SITE\_SERIES\_ID

|                                         |                     |                     |                            |     |
|-----------------------------------------|---------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> BEC VERSION CONTROL |                     |                     | <i>Short Name:</i>         | BVC |
| <i>Plural:</i>                          | BEC VERSION CONTROL |                     |                            |     |
| <i>Init. Volume:</i>                    | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |     |

Description:

EWong (July 11, 2008) This entity will contain the revision history of the BIOGEOCLIMATIC POLY geometry data. Every time the geometry data changes, a new record should be added, with the version number, and the effective date (the date the geometry was changed in BEC)

Attributes:

| <u>Name</u>                                                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * BEC VERSION ID                                                                                         |               | N          | NUMBER        | 10            |
| A sequence generated primary key value.                                                                  |               |            |               |               |
| BEC VERSION                                                                                              |               | N          | NUMBER        | 5,2           |
| User specified version number of the BGC Geometry data.                                                  |               |            |               |               |
| EFFECTIVE DATE                                                                                           |               | N          | DATE          |               |
| The date that the BGC Geometry data was updated to the database.                                         |               |            |               |               |
| EXPIRY DATE                                                                                              |               | Y          | DATE          |               |
| The date that this version of the geometry data in the database was replaced by another set of geometry. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                             |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE defines bec version one or more SEEDLOT  
MAY BE defines bec version one or more VEG LOT  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                       |                |          |
|-----------------------|----------------|----------|
| BV                    | <i>Primary</i> | <i>N</i> |
| <i>BEC VERSION</i>    |                |          |
| BVC                   | <i>Primary</i> | <i>Y</i> |
| <i>BEC VERSION ID</i> |                |          |

|                                   |               |              |                     |
|-----------------------------------|---------------|--------------|---------------------|
| <b>Entity Name:</b> BGC ZONE CODE |               | Short Name:  | BZC                 |
| Plural:                           | BGC ZONE CODE |              |                     |
| Init. Volume:                     | Avg. Volume:  | Max. Volume: | Annual Growth Rate: |

**Description:**

A code used to designate a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.

**Attributes:**

| <u>Name</u>                                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * BGC ZONE CODE                                                       |               | N          | VARCHAR2      | 4             |
| A code uniquely identifying a Biogeoclimatic Zone of interest to MOF. |               |            |               |               |
| DESCRIPTION                                                           |               | N          | VARCHAR2      | 120           |
| A full description of the Biogeoclimatic Zone.                        |               |            |               |               |
| EFFECTIVE DATE                                                        |               | N          | DATE          |               |
| The effective date the code is in effect.                             |               |            |               |               |
| EXPIRY DATE                                                           |               | N          | DATE          |               |
| The date the code expires on.                                         |               |            |               |               |
| UPDATE TIMESTAMP                                                      |               | N          | DATE          |               |
| The date and time of the last update.                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                          |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MAY BE boundary defined by one and only one BEC GEOMETRY

MAY BE describes origin and area of use of one or more NATURAL STANDS

MAY BE describes one or more SEEDLOT AUDIT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|               |         |   |
|---------------|---------|---|
| BZC           | Primary | Y |
| BGC ZONE CODE |         |   |

**Notes:**

Implemented as an Oracle view. Source / Base table is BEC Zone Code.

**Entity Name:** BILLING ITEM

Short Name:

BI

Plural: BILLING ITEM

Init. Volume: 20

Avg. Volume: 5

Max. Volume: 100

Annual Growth Rate:

**Description:**

The identifier which represents an item defined for billing purposes which represents a charge for performing a group of standard activities.

**Attributes:**

| <u>Name</u>                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * BILLING_ITEM_ID                                                                       |               | N          | VARCHAR2      | 3             |
| Retrofitted from column BILLING_ITEM_ID of table BILLING_ITEM                           |               |            |               |               |
| REQUEST_TYPE_CODE                                                                       |               | N          | VARCHAR2      | 3             |
| Retrofitted from column REQUEST_TYPE_ST of table BILLING_ITEM                           |               |            |               |               |
| SERVICE_BILLING_METHOD_CODE                                                             |               | N          | VARCHAR2      | 3             |
| Retrofitted from column SRVC_BLNG_MTHD_CD of table BILLING_ITEM                         |               |            |               |               |
| REVISION_COUNT                                                                          | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update. |               |            |               |               |
| BILLING_ITEM_DESC                                                                       |               | Y          | VARCHAR2      | 30            |
| Retrofitted from column BILLING_ITEM_DESC of table BILLING_ITEM                         |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE is comprised of one or more BILLING ITEM ACTIVITY

MAY BE is priced at one or more BILLING ITEM PRICE

MUST BE is described by one and only one REQUEST TYPE CODE

MAY BE creates one or more SERVICE BILLING

MUST BE is described by one and only one SERVICE BILLING METHOD CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

BILLING\_ITEM\_PK Primary Y

BILLING\_ITEM\_ID

|                                           |                       |                     |                            |                         |
|-------------------------------------------|-----------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> BILLING ITEM ACTIVITY |                       |                     | <b>Short Name:</b>         | BIA                     |
| <b>Plural:</b>                            | BILLING ITEM ACTIVITY |                     |                            |                         |
| <b>Init. Volume:</b>                      | 200                   | <b>Avg. Volume:</b> | 50                         | <b>Max. Volume:</b> 500 |
|                                           |                       |                     | <b>Annual Growth Rate:</b> |                         |

Description:

The list of activities which define a billing item (resolves the many to many relationship between a BILLING\_ITEM and STANDARD\_ACTIVITY).

Attributes:

| <u>Name</u>                                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * BILLING_ITEM_ID                                                                        |               | N          | VARCHAR2      | 3             |
| Retrofitted from column BILLING_ITEM_ID of table BILLING_ITEM                            |               |            |               |               |
| * STANDARD_ACTIVITY_ID                                                                   |               | N          | VARCHAR2      | 3             |
| A unique identifier identifying a standard activity within a given billing item activity |               |            |               |               |
| EFFECTIVE_DATE                                                                           |               | N          | DATE          |               |
| The effective date a standard activity is valid for a given billing item.                |               |            |               |               |
| EXPIRY_DATE                                                                              |               | Y          | DATE          |               |
| The expiry date a standard activity is valid for a given billing item.                   |               |            |               |               |
| REVISION_COUNT                                                                           | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.  |               |            |               |               |
| * = Attributes in primary unique identifier.                                             |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE pertains to one and only one BILLING ITEM  
MUST BE is comprised of one and only one STANDARD\_ACTIVITY  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| BILLING_ITEM_ACTIVITY_PK | Primary | Y |
| BILLING_ITEM_ID          |         |   |
| STANDARD_ACTIVITY_ID     |         |   |

|                      |                   |                     |                            |                     |     |
|----------------------|-------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | BILLING ITEM DISC |                     |                            | <b>Short Name:</b>  | BID |
| <b>Plural:</b>       | BILLING ITEM DISC |                     |                            |                     |     |
| <b>Init. Volume:</b> | 10                | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 50  |
|                      |                   |                     | <b>Annual Growth Rate:</b> |                     |     |

**Description:**  
Information about discounts that the TSC can apply to prices for a completed billing item.

| <b>Attributes:</b>                           |               |            |               |               |                                                                                         |
|----------------------------------------------|---------------|------------|---------------|---------------|-----------------------------------------------------------------------------------------|
| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |                                                                                         |
| * BILLING_ITEM_ID                            |               | N          | VARCHAR2      | 3             | Retrofitted from column BILLING_ITEM_ID of table BILLING_ITEM                           |
| * BILLING_ITEM_PRICE_SKEY                    |               | N          | NUMBER        | 10,0          | A unique identifier that makes a primary key set unique.                                |
| * DISCOUNT_EFF_DATE                          |               | N          | DATE          |               | The discounted effective date a discounted billing item is effective for.               |
| * MIN_PROCESSING_QTY                         |               | N          | NUMBER        | 5,0           | The minimum processing quantity needed for the discounted billing item.                 |
| DISCOUNT_EXP_DATE                            |               | Y          | DATE          |               | The discounted expiry date a discounted billing item is effective for.                  |
| MAX_PROCESSING_QTY                           |               | N          | NUMBER        | 5,0           | The maximum processing quantity needed for the discounted billing item.                 |
| DISCOUNT_PERCENT                             |               | N          | NUMBER        | 6,3           | The discounted percentage in effect for the discounted billing item.                    |
| REVISION_COUNT                               | REVISION_CNT  | N          | NUMBER        | 5,0           | A counter to ensure data integrity. This item should be incremented during each update. |
| DISCOUNT_COMMENT                             |               | Y          | VARCHAR2      | 60            | The discount comment associated with the discounted billing item.                       |
| * = Attributes in primary unique identifier. |               |            |               |               |                                                                                         |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE provides a discount for one and only one BILLING ITEM PRICE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
BILLING\_ITEM\_DISC\_PK                      Primary    Y  
    BILLING\_ITEM\_ID  
    BILLING\_ITEM\_PRICE\_SKEY  
    DISCOUNT\_EFF\_DATE  
    MIN\_PROCESSING\_QTY

|                                        |                    |                     |                            |                         |
|----------------------------------------|--------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> BILLING ITEM PRICE |                    |                     | <b>Short Name:</b>         | BIP                     |
| <b>Plural:</b>                         | BILLING ITEM PRICE |                     |                            |                         |
| <b>Init. Volume:</b>                   | 100                | <b>Avg. Volume:</b> | 25                         | <b>Max. Volume:</b> 500 |
|                                        |                    |                     | <b>Annual Growth Rate:</b> |                         |

**Description:**

The price that a completed billing item is sold to clients. These are published and distibuted in a standard price list.

**Attributes:**

| <u>Name</u>                                                                                                               | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * BILLING_ITEM_ID                                                                                                         |                 | N          | VARCHAR2      | 3             |
| The price that a completed billing item is sold to clients. These are published and distributed in a standard price list. |                 |            |               |               |
| * BILLING_ITEM_PRICE_SKEY                                                                                                 |                 | N          | NUMBER        | 10,0          |
| A unique identifier that makes a primary key set unique.                                                                  |                 |            |               |               |
| * EFFECTIVE_DATE                                                                                                          |                 | N          | DATE          |               |
| The effective date a billing price item is effective for.                                                                 |                 |            |               |               |
| VEGETATION_CODE                                                                                                           | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                       |                 |            |               |               |
| EXPIRY_DATE                                                                                                               |                 | Y          | DATE          |               |
| The expiry date a billing price item is effective for.                                                                    |                 |            |               |               |
| BASE_PRICE                                                                                                                |                 | N          | NUMBER        | 7,2           |
| The billing item price for a standard activity.                                                                           |                 |            |               |               |
| UNIT_PRICE                                                                                                                |                 | N          | NUMBER        | 7,2           |
| The unit price for a standard activity.                                                                                   |                 |            |               |               |
| REVISION_COUNT                                                                                                            | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.                                   |                 |            |               |               |
| UNIT_OF_MEASURE_CODE                                                                                                      |                 | Y          | VARCHAR2      | 3             |
| The unit of measure (code) for a standard activity.                                                                       |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                                              |                 |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MUST BE is associated with one and only one BILLING ITEM

MAY BE is discounted by one or more BILLING ITEM DISC

MAY BE is described by one and only one UNIT\_OF\_MEASURE\_CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                         |         |   |
|-------------------------|---------|---|
| BILLING_ITEM_PRICE_PK   | Primary | Y |
| BILLING_ITEM_ID         |         |   |
| BILLING_ITEM_PRICE_SKEY |         |   |
| EFFECTIVE_DATE          |         |   |

|                                        |                    |                     |        |                            |        |
|----------------------------------------|--------------------|---------------------|--------|----------------------------|--------|
| <b>Entity Name:</b> BILLING OBLIGATION |                    |                     |        | <i>Short Name:</i>         | BO     |
| <i>Plural:</i>                         | BILLING OBLIGATION |                     |        |                            |        |
| <i>Init. Volume:</i>                   | 0                  | <i>Avg. Volume:</i> | 120000 | <i>Max. Volume:</i>        | 500000 |
|                                        |                    |                     |        | <i>Annual Growth Rate:</i> |        |

Description:

The portion of ownership of a seedlot at the time of the request was placed that may determine the cost of the requested service that may be billed to a client. A request item can only refer to one seedlot.

Attributes:

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                                                                                                                                                     |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                                                                            |               |            |               |               |
| * ITEM_ID                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).                                                                                                                                     |               |            |               |               |
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| PCT_OWNERSHIP                                                                                                                                                                                                                      |               | N          | NUMBER        | 4,1           |
| The percentage of seed that was owned by a client at the time the request was entered.                                                                                                                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                       |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE are generated from one and only one CLIENT LOCATION  
MUST BE is initiated from one and only one REQUEST ITEM  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| BILLING_OBLIGATION_PK | Primary | Y |
| REQUEST_SKEY          |         |   |
| ITEM_ID               |         |   |
| CLIENT_NUMBER         |         |   |
| CLIENT_LOCN_CODE      |         |   |

|                                      |                     |                     |                            |
|--------------------------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b> BREEDING PROGRAM |                     | <i>Short Name:</i>  | BPPT                       |
| <i>Plural:</i>                       | BREEDING PROGAMS    |                     |                            |
| <i>Init. Volume:</i>                 | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |
| <i>Subtype of:</i>                   | PARENT TREE         |                     |                            |

Description:

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE described by one and only one BREEDING SELECTION TYPE CODE
- MUST BE progeny of one and only one PARENT TREE
- MUST BE progeny of one and only one PARENT TREE
- \* = Relationships in primary unique identifier.

Notes:

PARENT TREE SUBSYSTEM

|                                                  |                               |                     |                            |
|--------------------------------------------------|-------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> BREEDING SELECTION TYPE CODE |                               | <i>Short Name:</i>  | BSTCD                      |
| <i>Plural:</i>                                   | BREEDING SELECTION TYPE CODES |                     |                            |
| <i>Init. Volume:</i>                             | <i>Avg. Volume:</i>           | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

Description:

Attributes:

| <u>Name</u>                                                                                          | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * BREEDING SELECTION TYPE CODE                                                                       |                     | N          | VARCHAR2      | 3             |
| DESCRIPTION                                                                                          | DESCRIPTION         | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code.                                                  |                     |            |               |               |
| EFFECTIVE DATE                                                                                       | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| The associated values are available for use beginning on this date and time.                         |                     |            |               |               |
| EXPIRY DATE                                                                                          | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| The associated values are no longer available for use as of this date and time.                      |                     |            |               |               |
| UPDATE_TIMESTAMP                                                                                     | AUDIT_TIMESTAMP     | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                     |            |               |               |
| * = Attributes in primary unique identifier.                                                         |                     |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more BREEDING PROGAMS

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                              |         |   |
|------------------------------|---------|---|
| BSTCD                        | Primary | Y |
| BREEDING SELECTION TYPE CODE |         |   |

Notes:

PARENT TREE SUBSYSTEM

|                                    |                |                     |                            |                        |
|------------------------------------|----------------|---------------------|----------------------------|------------------------|
| <b>Entity Name:</b> CAVITIES BLOCK |                |                     | <b>Short Name:</b>         | CB                     |
| <b>Plural:</b>                     | CAVITIES BLOCK |                     |                            |                        |
| <b>Init. Volume:</b>               | 20             | <b>Avg. Volume:</b> | 2                          | <b>Max. Volume:</b> 30 |
|                                    |                |                     | <b>Annual Growth Rate:</b> |                        |

**Description:**  
A table used to determine the number of cavities per block based on the container type.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLING_CONTAINER_CODE                                                                                                                                                                                                                            |               | N          | VARCHAR2      | 4             |
| A code representing the type of container in which seedlings will be grown (if container stock). The first character represents the approximate diameter, the next two characters represent the approximate depth, and a one character density code. |               |            |               |               |
| CAVITIES_PER_BLOCK                                                                                                                                                                                                                                   |               | N          | NUMBER        | 5,0           |
| The number of cavities per block based on the container type.                                                                                                                                                                                        |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                                       | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                         |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                         |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is described by one and only one SEEDLING CONTAINER CODE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
CAVITIES\_BLOCK\_PK                      Primary    Y  
SEEDLING\_CONTAINER\_CODE

|                                    |                |                     |                            |                          |
|------------------------------------|----------------|---------------------|----------------------------|--------------------------|
| <b>Entity Name:</b> CLIENT ACRONYM |                |                     | <i>Short Name:</i>         | CA1                      |
| <i>Plural:</i>                     | CLIENT ACRONYM |                     |                            |                          |
| <i>Init. Volume:</i>               | 1000           | <i>Avg. Volume:</i> | 100                        | <i>Max. Volume:</i> 1500 |
|                                    |                |                     | <i>Annual Growth Rate:</i> |                          |

**Description:**

A familiar alphabetic acronym to be used as an alternate to the ministry's client number for data entry and display. Each acronym points to a specific client.

**Attributes:**

| <u>Name</u>                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CLIENT_ACRONYM                                                                                                     |               | Y          | VARCHAR2      | 8             |
| A familiar alphabetic acronym to be used as an alternate to the ministry's client number for data entry and display. |               |            |               |               |
| CLIENT_NUMBER                                                                                                        |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                          |               |            |               |               |
| REVISION_COUNT                                                                                                       | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                         |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                         |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MUST BE is a nickname for one and only one FOREST CLIENT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                     |         |   |
|---------------------|---------|---|
| I1\$_CLIENT_ACRONYM | Primary | N |
| CLIENT_NUMBER       |         |   |
| CLIENT_ACRONYM_PK   | Primary | Y |
| CLIENT_ACRONYM      |         |   |

**Notes:**

As of CLIENT Release 1.0, this entity is now owned by the CLIENT application, Revenue Branch.

**Entity Name:** CLIENT LOCATION

Short Name:

CL1

Plural: CLIENT LOCATION

Init. Volume: 62000

Avg. Volume: 10000

Max. Volume: 100000

Annual Growth Rate:

**Description:**

The description and the details of the address(es) at which a client operates. Its main purpose is to provide alternate mailing addresses. Maximum number of locations per client is 99. The average is 2 per client. Location 00 is always the client.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N          | CHAR          | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| CLIENT_LOCN_NAME                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 40            |
| The location name                                                                                                                                                                                                                  |               |            |               |               |
| HDBS_COMPANY_CODE                                                                                                                                                                                                                  |               | N          | CHAR          | 5             |
| A code to uniquely identify the client in the HDBS system.                                                                                                                                                                         |               |            |               |               |
| ADDRESS_1                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 40            |
| The address of the client                                                                                                                                                                                                          |               |            |               |               |
| ADDRESS_2                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 40            |
| The address of the client.                                                                                                                                                                                                         |               |            |               |               |
| ADDRESS_3                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 40            |
| The address of the client.                                                                                                                                                                                                         |               |            |               |               |
| CITY                                                                                                                                                                                                                               |               | N          | CHAR          | 30            |
| The city the client works in.                                                                                                                                                                                                      |               |            |               |               |
| PROVINCE                                                                                                                                                                                                                           |               | N          | CHAR          | 5             |
| The province th client works in.                                                                                                                                                                                                   |               |            |               |               |
| POSTAL_CODE                                                                                                                                                                                                                        |               | N          | CHAR          | 10            |
| The postal code associated with the address of the client.                                                                                                                                                                         |               |            |               |               |
| COUNTRY                                                                                                                                                                                                                            |               | N          | CHAR          | 6             |
| The country in which the client is registered in.                                                                                                                                                                                  |               |            |               |               |
| BUSINESS_PHONE                                                                                                                                                                                                                     |               | N          | CHAR          | 10            |
| The Phone number of the client                                                                                                                                                                                                     |               |            |               |               |
| HOME_PHONE                                                                                                                                                                                                                         |               | N          | CHAR          | 10            |
| The Home phone number of a client contact.                                                                                                                                                                                         |               |            |               |               |
| FAX_NUMBER                                                                                                                                                                                                                         |               | N          | CHAR          | 10            |
| A fax number for the client.                                                                                                                                                                                                       |               |            |               |               |
| LOCN_EXPIRED_IND                                                                                                                                                                                                                   |               | N          | CHAR          | 1             |
| An indicator to indicate if the given location is expired for business purposes.                                                                                                                                                   |               |            |               |               |
| RETURNED_MAIL_DATE                                                                                                                                                                                                                 |               | N          | DATE          |               |
| A date in which mail was returned.                                                                                                                                                                                                 |               |            |               |               |
| UPDATE_TIMESTAMP                                                                                                                                                                                                                   | AUDIT_DATE    | N          | DATE          |               |
| An audit timestamp tracking when the last time information was modified on this record.                                                                                                                                            |               |            |               |               |
| UPDATE_USERID                                                                                                                                                                                                                      |               | N          | CHAR          | 8             |
| An audit tracking mechanism identifying who modified this record.                                                                                                                                                                  |               |            |               |               |
| UPDATE_ORG_UNIT                                                                                                                                                                                                                    |               | N          | NUMBER        | 5,0           |
| An audit tracking mechanism identifying the Org Unit of who modified this record.                                                                                                                                                  |               |            |               |               |
| ADD_TIMESTAMP                                                                                                                                                                                                                      | AUDIT_DATE    | N          | DATE          |               |
| An audit timestamp tracking when the last time information was added for this record.                                                                                                                                              |               |            |               |               |
| ADD_USERID                                                                                                                                                                                                                         |               | N          | CHAR          | 8             |

| <b>Entity Name:</b> CLIENT LOCATION (cont'd)                                   | Short Name: | CL1 |
|--------------------------------------------------------------------------------|-------------|-----|
| An audit tracking mechanism identifying who added this record.                 |             |     |
| ADD_ORG_UNIT                                                                   | N NUMBER    | 5,0 |
| An audit tracking mechanism identifying the Org Unit of who added this record. |             |     |
| CLI_LOCN_COMMENT                                                               | N VARCHAR2  | 60  |
| A comment field                                                                |             |     |
| * = Attributes in primary unique identifier.                                   |             |     |

**Relationships:**Each Occurrence Of This Entity:

MAY BE applies one or more BAREROOT RULE  
 MUST BE initiates one or more BILLING OBLIGATION  
 MAY BE generates ARs in one or more CLNT\_RCVBL\_ACCT  
 MAY BE is extracted extraction clients into one or more CNS EXTRACTION LOG  
 MAY BE is extracted nursery clients into one or more CNS EXTRACTION LOG  
 MAY BE is extracted owner clients into one or more CNS EXTRACTION LOG  
 MAY BE is extracted shipping clients into one or more CNS EXTRACTION LOG  
 MAY BE acknowledges the one or more EXPECTED SHIPMENT RECEIPT  
 \* MUST BE is owned by one and only one FOREST CLIENT  
 MAY BE is copied to one or more FOREST INVOICE  
 MAY BE is invoiced from one or more FOREST INVOICE  
 MAY BE specifies at the nursery regarding one or more LATEST SOWING DATE  
 MAY BE owns one or more NURSERY FACILITY  
 MAY BE owns the nursery at one or more NURSERY LOCATION  
 MAY BE owns one or more ORCHARD  
 MAY BE associates one and only one ORG CLIENT XREF  
 MAY BE selects one or more PARENT TREES  
 MAY BE extracts the seed for one or more REQUEST ITEM  
 MAY BE receives one or more REQUEST ITEM  
 MAY BE requests one or more REQUEST SEEDLOT  
 MAY BE conducts one or more RESEARCH TESTS  
 MAY BE applies to register one or more SEEDLOT  
 MAY BE stored for one or more SEEDLOT  
 MAY BE stores one or more SEEDLOT  
 MAY BE owns one or more SEEDLOT OWNER QUANTITY  
 MAY BE uses one or more SEEDLOT TRANSACTION  
 MAY BE is billed by one or more SERVICE BILLING  
 MAY BE owns the nursery where applies one or more SOWING RULE FACTOR  
 MAY BE is invoiced by one or more TSC INVOICE  
 MAY BE is a contact for one or more TSC\_CLIENT\_CONTACT  
 MAY BE may be a TSC contact for one or more TSC\_CLIENT\_CONTACT  
 MUST BE is comprised of one or more TSC\_CLIENT\_INFORMATION  
 MAY BE applies for registration of one or more VEG LOT  
 MAY BE applies for registration one or more VEG\_LOT\_AUDIT  
 MAY BE owns one or more VEG LOT OWNER QUANTITY  
 MAY BE uses one or more VEG LOT TRANSACTION  
 MAY BE owns the nursery for one or more WORKPLAN\_NURSERY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

CLIENT\_LOCATION\_PK                      Primary    Y  
 MUST BE is owned by one and only one FOREST CLIENT

**Entity Name:** CLIENT LOCATION (cont'd)*Short Name:*

CL1

*CLIENT\_LOCN\_CODE*

**Entity Name:** CLIENT RECEIVABLE ACCOUNT

Short Name:

CRA

Plural: CLNT\_RCVBL\_ACCT

Init. Volume: 41000

Avg. Volume: 5160

Max. Volume: 56480

Annual Growth Rate:

**Description:**

A uniquely numbered account for accumulating accounts receivable transactions. Each client may have one account per location.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u>         | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|---------------|---------------|
| * CLIENT_NUMBER                                                                                                                                                                                                                    |                       | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |                       |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |                       | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |                       |            |               |               |
| ACCOUNT_STATUS_CODE                                                                                                                                                                                                                |                       | N          | VARCHAR2      | 3             |
| The account status describing the client receivable account.                                                                                                                                                                       |                       |            |               |               |
| ACCOUNT_TYPE_CODE                                                                                                                                                                                                                  |                       | N          | VARCHAR2      | 3             |
| The account type describing the client receivable account.                                                                                                                                                                         |                       |            |               |               |
| ACCOUNT_OPEN_DATE                                                                                                                                                                                                                  |                       | N          | DATE          |               |
| The date the account was opened.                                                                                                                                                                                                   |                       |            |               |               |
| ADMIN_ORG_UNIT_NO                                                                                                                                                                                                                  |                       | N          | NUMBER        | 10,0          |
| The Organisation Unit responsible for the Client Receivable Account.                                                                                                                                                               |                       |            |               |               |
| ACCT_CREDIT_LIMIT                                                                                                                                                                                                                  |                       | N          | NUMBER        | 15,2          |
| The credit limit for the account receivable.                                                                                                                                                                                       |                       |            |               |               |
| INTEREST_CHARGE_IND                                                                                                                                                                                                                |                       | N          | VARCHAR2      | 1             |
| STATEMENT_PRODN_IND                                                                                                                                                                                                                |                       | N          | VARCHAR2      | 1             |
| An indicator indicating whether statements get generated.                                                                                                                                                                          |                       |            |               |               |
| STATEMENT_CYCLE_CODE                                                                                                                                                                                                               |                       | N          | VARCHAR2      | 1             |
| The frequency at which statements get generated.                                                                                                                                                                                   |                       |            |               |               |
| COL_ORG_UNIT_NO                                                                                                                                                                                                                    |                       | N          | NUMBER        | 10,0          |
| An Organisational Unit.                                                                                                                                                                                                            |                       |            |               |               |
| UPDATE_USERID                                                                                                                                                                                                                      | NON_SPAR_AUDIT_USERID | N          | VARCHAR2      | 8             |
| An audit tracking mechanism identifying who modified this record.                                                                                                                                                                  |                       |            |               |               |
| UPDATE_ORG_UNIT_NO                                                                                                                                                                                                                 |                       | N          | NUMBER        | 10,0          |
| An audit tracking mechanism identifying the Org Unit of who modified this record.                                                                                                                                                  |                       |            |               |               |
| UPDATE_TIMESTAMP                                                                                                                                                                                                                   | AUDIT_DATE            | N          | DATE          |               |
| An audit timestamp tracking when the last time information was modified on this record.                                                                                                                                            |                       |            |               |               |
| ENTRY_USERID                                                                                                                                                                                                                       | NON_SPAR_AUDIT_USERID | N          | VARCHAR2      | 8             |
| An audit tracking mechanism identifying who added this record.                                                                                                                                                                     |                       |            |               |               |
| ENTRY_ORG_UNIT_NO                                                                                                                                                                                                                  |                       | N          | NUMBER        | 10,0          |
| An audit tracking mechanism identifying the Org Unit of who added this record.                                                                                                                                                     |                       |            |               |               |
| ENTRY_TIMESTAMP                                                                                                                                                                                                                    | AUDIT_DATE            | N          | DATE          |               |
| An audit timestamp tracking when the last time information was added for this record.                                                                                                                                              |                       |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one ACCOUNT STATUS CODE

**Entity Name:** CLIENT RECEIVABLE ACCOUNT (cont'd)

Short Name:

CRA

MUST BE is described by one and only one ACCOUNT TYPE CODE

MUST BE generates ARs by one and only one CLIENT LOCATION

MUST BE collects Accounts Receivables by one and only one ORG UNIT

MUST BE is added by one and only one ORG UNIT

MUST BE is administered by one and only one ORG UNIT

MUST BE is updated by one and only one ORG UNIT

MUST BE is described by one and only one STATEMENT\_CYCLE\_CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

CLNT\_RCVBL\_ACCT\_PK

Primary Y

CLIENT\_NUMBER

CLIENT\_LOCN\_CODE

**Entity Name:** CNS EXTRACTION LOG

Short Name:

CEL

Plural: CNS EXTRACTION LOG

Init. Volume: 0

Avg. Volume: 50000

Max. Volume: 500000

Annual Growth Rate:

**Description:**

A listing of Consep batch extraction records. The table contains names of jobs and the records extracted in order to enable better problem resolution.

**Attributes:**

| <u>Name</u>                                                                              | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * EXTRACTION_SKEY                                                                        |                 | N          | NUMBER        | 10,0          |
| A key to uniquely identify each individual job that runs.                                |                 |            |               |               |
| JOB_RUNDATE                                                                              |                 | N          | DATE          |               |
| The date thebatch job was run.                                                           |                 |            |               |               |
| TABLE_NAME                                                                               |                 | N          | VARCHAR2      | 18            |
| The table affected by the batch job running.                                             |                 |            |               |               |
| REQUEST_SKEY                                                                             |                 | N          | NUMBER        | 10,0          |
| Converted REQUEST_SKEY from CNS_EXTRACTION_LOG.                                          |                 |            |               |               |
| ITEM_ID                                                                                  |                 | N          | VARCHAR2      | 1             |
| Converted ITEM_ID from CNS_EXTRACTION_LOG.                                               |                 |            |               |               |
| SPR_REQUEST_STATUS_CODE                                                                  |                 | Y          | VARCHAR2      | 3             |
| Converted SPR_RQST_STATUS_ST from CNS_EXTRACTION_LOG.                                    |                 |            |               |               |
| RQST_REQUIRD_BY_DATE                                                                     |                 | Y          | DATE          |               |
| Converted RQST_REQUIRD_BY_DT from CNS_EXTRACTION_LOG.                                    |                 |            |               |               |
| PRIORITY_DATE                                                                            |                 | Y          | DATE          |               |
| Converted PRIORITY_DT from CNS_EXTRACTION_LOG.                                           |                 |            |               |               |
| RQST_VEGETATION_CODE                                                                     | VEGETATION_CODE | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                      |                 |            |               |               |
| QTY_SEEDLINGS_RQST                                                                       |                 | Y          | NUMBER        | 6,1           |
| Converted QTY_SEEDLINGS_RQST from CNS_EXTRACTION_LOG.                                    |                 |            |               |               |
| UPDATE_USERID                                                                            | AUDIT_USERID    | Y          | VARCHAR2      | 30            |
| An audit tracking mechanism identifying who modified this record.                        |                 |            |               |               |
| UPDATE_TIMESTAMP                                                                         | AUDIT_DATE      | Y          | DATE          |               |
| An audit timestamp tracking when the last time information was modified on this record.  |                 |            |               |               |
| BATCH_UPDATE_JOBID                                                                       | AUDIT_USERID    | Y          | VARCHAR2      | 30            |
| An audit tracking mechanism identifying which application modified this record.          |                 |            |               |               |
| BATCH_UPDATE_TS                                                                          | AUDIT_DATE      | Y          | DATE          |               |
| An audit tracking mechanism identifying when the batch application modified this record. |                 |            |               |               |
| STANDARD_WORKPLAN_SKEY                                                                   |                 | Y          | NUMBER        | 10,0          |
| Converted STD_WORKPLAN_SKEY from CNS_EXTRACTION_LOG.                                     |                 |            |               |               |
| ITEM_VEGETATION_CODE                                                                     | VEGETATION_CODE | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                      |                 |            |               |               |
| SAMPLE_ID                                                                                |                 | Y          | VARCHAR2      | 5             |
| Converted SAMPLE_ID from CNS_EXTRACTION_LOG.                                             |                 |            |               |               |
| FAMILY_LOT_NUMBER                                                                        |                 | Y          | VARCHAR2      | 13            |
| Converted FAMILY_LOT_NUMBER from CNS_EXTRACTION_LOG.                                     |                 |            |               |               |
| RQST_SDLNGS_RSRVD                                                                        |                 | Y          | NUMBER        | 6,1           |
| Converted RQST_SDLNGS_RSRVD from CNS_EXTRACTION_LOG.                                     |                 |            |               |               |
| RQST_SDLNGS_SRPLS                                                                        |                 | Y          | NUMBER        | 6,1           |
| Converted RQST_SDLNGS_SRPLS from CNS_EXTRACTION_LOG.                                     |                 |            |               |               |
| NO_OF_CONTAINERS                                                                         |                 | Y          | NUMBER        | 6,2           |

| <b>Entity Name:</b> CNS EXTRACTION LOG (cont'd)       | <b>Short Name:</b> | <b>CEL</b> |
|-------------------------------------------------------|--------------------|------------|
| Converted NO_OF_CONTAINERS from CNS_EXTRACTION_LOG.   |                    |            |
| CONE_VOLUME                                           | Y NUMBER           | 6,2        |
| Converted CONE_VOLUME from CNS_EXTRACTION_LOG.        |                    |            |
| SEED_QUANTITY                                         | Y NUMBER           | 10,0       |
| Converted SEED_QUANTITY from CNS_EXTRACTION_LOG.      |                    |            |
| SHIPTO_CLI_NUMBER                                     | Y VARCHAR2         | 8          |
| Converted SHIPTO_CLI_NUMBER from CNS_EXTRACTION_LOG.  |                    |            |
| SHIPTO_CLI_LOCN_CD                                    | Y VARCHAR2         | 2          |
| Converted SHIPTO_CLI_LOCN_CD from CNS_EXTRACTION_LOG. |                    |            |
| ITEM_REQUIRE_BY_DATE                                  | Y DATE             |            |
| Converted ITEM_REQUIRE_BY_DT from CNS_EXTRACTION_LOG. |                    |            |
| LATEST_ACTIONED_DATE                                  | Y DATE             |            |
| Converted LATEST_ACTIONED_DT from CNS_EXTRACTION_LOG. |                    |            |
| RCMNDED_SOWING_DATE                                   | Y DATE             |            |
| Converted RCMNDED_SOWING_DT from CNS_EXTRACTION_LOG.  |                    |            |
| SPCFIED_SOWING_DATE                                   | Y DATE             |            |
| Converted SPCFIED_SOWING_DT from CNS_EXTRACTION_LOG.  |                    |            |
| NRSRY_OBLIGATN_IND                                    | Y VARCHAR2         | 1          |
| Converted NRSRY_OBLIGATN_IND from CNS_EXTRACTION_LOG. |                    |            |
| NRSRY_CLI_NUMBER                                      | Y VARCHAR2         | 8          |
| Converted NRSRY_CLI_NUMBER from CNS_EXTRACTION_LOG.   |                    |            |
| NRSRY_CLI_LOCN_CD                                     | Y VARCHAR2         | 2          |
| Converted NRSRY_CLI_LOCN_CD from CNS_EXTRACTION_LOG.  |                    |            |
| EXTRCT_CLI_NUMBER                                     | Y VARCHAR2         | 8          |
| Converted EXTRCT_CLI_NUMBER from CNS_EXTRACTION_LOG.  |                    |            |
| EXTRCT_CLI_LOCN_CD                                    | Y VARCHAR2         | 2          |
| Converted EXTRCT_CLI_LOCN_CD from CNS_EXTRACTION_LOG. |                    |            |
| SEEDLOT_NUMBER                                        | Y VARCHAR2         | 5          |
| Converted SEEDLOT_NUMBER from CNS_EXTRACTION_LOG.     |                    |            |
| CLIENT_NUMBER                                         | Y VARCHAR2         | 8          |
| Converted CLIENT_NUMBER from CNS_EXTRACTION_LOG.      |                    |            |
| CLIENT_LOCN_CODE                                      | Y VARCHAR2         | 2          |
| Converted CLIENT_LOCN_CODE from CNS_EXTRACTION_LOG.   |                    |            |
| RQST_FROM_RESERVE                                     | Y NUMBER           | 10,0       |
| Converted RQST_FROM_RESERVE from CNS_EXTRACTION_LOG.  |                    |            |
| RQST_FROM_SURPLUS                                     | Y NUMBER           | 10,0       |
| Converted RQST_FROM_SURPLUS from CNS_EXTRACTION_LOG.  |                    |            |
| RQST_TO_RESERVE                                       | Y NUMBER           | 10,0       |
| Converted RQST_TO_RESERVE from CNS_EXTRACTION_LOG.    |                    |            |
| RQST_TO_SURPLUS                                       | Y NUMBER           | 10,0       |
| Converted RQST_TO_SURPLUS from CNS_EXTRACTION_LOG.    |                    |            |
| SEEDLOT_TEST_CODE                                     | Y VARCHAR2         | 3          |
| Converted SEEDLOT_TEST_CD from CNS_EXTRACTION_LOG.    |                    |            |
| GERMINATION_PCT                                       | Y NUMBER           | 5,0        |
| Converted GERMINATION_PCT from CNS_EXTRACTION_LOG.    |                    |            |

\* = Attributes in primary unique identifier.

### Relationships:

#### Each Occurrence Of This Entity:

|              |                             |             |     |
|--------------|-----------------------------|-------------|-----|
| Entity Name: | CNS EXTRACTION LOG (cont'd) | Short Name: | CEL |
|--------------|-----------------------------|-------------|-----|

MAY BE extracts extraction clients from one and only one CLIENT LOCATION

MAY BE extracts nursery clients from one and only one CLIENT LOCATION

MAY BE extracts owner clients from one and only one CLIENT LOCATION

MAY BE extracts shipping clients from one and only one CLIENT LOCATION

MUST BE extracts one and only one REQUEST ITEM

MAY BE extracts one and only one SEEDLOT

MAY BE is described by one and only one SEEDLOT TEST CODE

MAY BE is described by one and only one SPR\_REQUEST\_STATUS\_CODE

MAY BE extracts one and only one STANDARD\_WORKPLAN

*\* = Relationships in primary unique identifier.*

Unique Identifiers:

CNS\_EXTRACTION\_LOG\_PK                      Primary   Y

EXTRACTION\_SKEY

**Entity Name:** CNS SYS CTRL**Short Name:**

CSC

**Plural:** CNS SYS CTRL**Init. Volume:** 0**Avg. Volume:** 6000**Max. Volume:** 50000**Annual Growth Rate:****Description:**

A summary of the Consep batch run. It is used to provide information about problems that may have occurred with the Consep nightly batch run. Also gives information about number of records extracted and job completion statuses.

**Attributes:**

| <u>Name</u>                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CTRL_SKEY                                                              |               | N          | NUMBER        | 10,0          |
| A key to uniquely identify each individual job that runs.                |               |            |               |               |
| JOB_NAME                                                                 |               | N          | VARCHAR2      | 20            |
| The name of the job thta ran.                                            |               |            |               |               |
| JOB_RUNDATE                                                              |               | N          | DATE          |               |
| The date the job was run.                                                |               |            |               |               |
| NUM_REC_EXTR                                                             |               | N          | NUMBER        | 10,0          |
| The number of records that were extracted.                               |               |            |               |               |
| NUM_REC_PROC                                                             |               | N          | NUMBER        | 10,0          |
| The number of records processed.                                         |               |            |               |               |
| NUM_REC_RJCT                                                             |               | N          | NUMBER        | 10,0          |
| The number of records rejected.                                          |               |            |               |               |
| HOST_JOB_COMP_IND                                                        |               | N          | VARCHAR2      | 1             |
| An indicator signaling the Host's Job successfully completed.            |               |            |               |               |
| HOST_JOB_RTN_CODE                                                        |               | N          | NUMBER        | 10,0          |
| In the case of job failure, the Host's Return Code.                      |               |            |               |               |
| LOCAL_JOB_COMP_IND                                                       |               | Y          | VARCHAR2      | 1             |
| An indicator signaling the CNS/Local's Job successfully completed.       |               |            |               |               |
| LOCAL_JOB_RTN_CODE                                                       |               | Y          | NUMBER        | 10,0          |
| In the case of job failure, the CNS/Local's Return Code.                 |               |            |               |               |
| REPORTED_IND                                                             |               | Y          | VARCHAR2      | 1             |
| An indicator if the job successfully reported the information processed. |               |            |               |               |
| * = Attributes in primary unique identifier.                             |               |            |               |               |

**Unique Identifiers:**

CNS\_SYS\_CTRL\_PK

Primary Y

CTRL\_SKEY

|                             |                     |                     |                            |         |
|-----------------------------|---------------------|---------------------|----------------------------|---------|
| <b>Entity Name:</b> CNSR022 |                     |                     | <b>Short Name:</b>         | CNSR022 |
| <i>Plural:</i>              | CNSR022             |                     |                            |         |
| <i>Init. Volume:</i>        | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |         |

*Description:*

Use for reporting of the outcome of batch job CNSB02 - Designate Seed Lots as Registered.

*Attributes:*

| <u>Name</u>                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------|---------------|------------|---------------|---------------|
| SEEDLOT_NUMBER                                           |               | Y          | VARCHAR2      | 5             |
| Retrofitted from column SEEDLOT_NUMBER of table CNSR022  |               |            |               |               |
| VEGETATION_CODE                                          |               | Y          | VARCHAR2      | 8             |
| Retrofitted from column VEGETATION_CODE of table CNSR022 |               |            |               |               |
| MESSAGE                                                  |               | Y          | VARCHAR2      | 250           |
| Retrofitted from column MESSAGE of table CNSR022         |               |            |               |               |
| BATCH_ID                                                 |               | N          | NUMBER        | 10,0          |
| Retrofitted from column BATCH_ID of table CNSR022        |               |            |               |               |
| RUN_DATE                                                 |               | N          | DATE          |               |
| Retrofitted from column RUN_DATE of table CNSR022        |               |            |               |               |

\* = *Attributes in primary unique identifier.*

|                             |                     |                            |                            |
|-----------------------------|---------------------|----------------------------|----------------------------|
| <b>Entity Name:</b> CNSR023 |                     | <b>Short Name:</b> CNSR023 |                            |
| <i>Plural:</i>              | CNSR023             |                            |                            |
| <i>Init. Volume:</i>        | <i>Avg. Volume:</i> | <i>Max. Volume:</i>        | <i>Annual Growth Rate:</i> |

*Description:*

Use for reporting of the outcome of batch job CNSB02 - Designate Seed Lots as Registered.

*Attributes:*

| <u>Name</u>                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------|---------------|------------|---------------|---------------|
| SEEDLOT_NUMBER                                           |               | Y          | VARCHAR2      | 5             |
| Retrofitted from column SEEDLOT_NUMBER of table CNSR023  |               |            |               |               |
| VEGETATION_CODE                                          |               | Y          | VARCHAR2      | 8             |
| Retrofitted from column VEGETATION_CODE of table CNSR023 |               |            |               |               |
| MESSAGE                                                  |               | Y          | VARCHAR2      | 250           |
| Retrofitted from column MESSAGE of table CNSR023         |               |            |               |               |
| BATCH_ID                                                 |               | N          | NUMBER        | 10,0          |
| Retrofitted from column BATCH_ID of table CNSR023        |               |            |               |               |
| RUN_DATE                                                 |               | N          | DATE          |               |
| Retrofitted from column RUN_DATE of table CNSR023        |               |            |               |               |

\* = *Attributes in primary unique identifier.*

|                             |                     |                            |                            |
|-----------------------------|---------------------|----------------------------|----------------------------|
| <b>Entity Name:</b> CNSR090 |                     | <b>Short Name:</b> CNSR090 |                            |
| <i>Plural:</i>              | CNSR090             |                            |                            |
| <i>Init. Volume:</i>        | <i>Avg. Volume:</i> | <i>Max. Volume:</i>        | <i>Annual Growth Rate:</i> |

*Description:*

Use for reporting of the outcome of batch job CNSB09 - Transfer Invoices to Ministry's FSB

*Attributes:*

| <u>Name</u>                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------|---------------|------------|---------------|---------------|
| INVOICE_NUMBER                                          |               | Y          | VARCHAR2      | 7             |
| Retrofitted from column INVOICE_NUMBER of table CNSR090 |               |            |               |               |
| MESSAGE                                                 |               | Y          | VARCHAR2      | 250           |
| Retrofitted from column MESSAGE of table CNSR090        |               |            |               |               |
| BATCH_ID                                                |               | N          | NUMBER        | 10,0          |
| Retrofitted from column BATCH_ID of table CNSR090       |               |            |               |               |
| RUN_DATE                                                |               | N          | DATE          |               |
| Retrofitted from column RUN_DATE of table CNSR090       |               |            |               |               |

*\* = Attributes in primary unique identifier.*

**Entity Name:** CNSR091**Short Name:** CNSR091**Plural:** CNSR091**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Use for reporting of the outcome of batch job CNSB23 - Acceptable Test Results to SPAR

**Attributes:**

| <u>Name</u>                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------|---------------|------------|---------------|---------------|
| REQUEST_ID                                                      |               | Y          | VARCHAR2      | 12            |
| Retrofitted from column REQUEST_ID of table CNSR091             |               |            |               |               |
| REQUEST_STATUS                                                  |               | Y          | VARCHAR2      | 3             |
| Retrofitted from column REQUEST_STATUS of table CNSR091         |               |            |               |               |
| SEEDLOT_NUMBER                                                  |               | Y          | VARCHAR2      | 5             |
| Retrofitted from column SEEDLOT_NUMBER of table CNSR091         |               |            |               |               |
| REQUEST_GRAMS                                                   |               | Y          | NUMBER        | 10,0          |
| Retrofitted from column REQUEST_GRAMS of table CNSR091          |               |            |               |               |
| PREV_GERM                                                       |               | Y          | NUMBER        | 5,0           |
| Retrofitted from column PREV_GERM of table CNSR091              |               |            |               |               |
| CURR_GERM                                                       |               | Y          | NUMBER        | 5,0           |
| Retrofitted from column CURR_GERM of table CNSR091              |               |            |               |               |
| NURSERY                                                         |               | Y          | VARCHAR2      | 8             |
| Retrofitted from column NURSERY of table CNSR091                |               |            |               |               |
| NURSRY_CLI_LOCN_CD                                              |               | Y          | VARCHAR2      | 2             |
| Retrofitted from column NURSRY_CLI_LOCN_CD of table CNSR091     |               |            |               |               |
| RCMNDED_SOWING_DT                                               |               | Y          | DATE          |               |
| Retrofitted from column RCMNDED_SOWING_DT of table CNSR091      |               |            |               |               |
| SPAR_FUND_SRCE_ST                                               |               | Y          | VARCHAR2      | 3             |
| Retrofitted from column SPAR_FUND_SRCE_ST of table CNSR091      |               |            |               |               |
| AGENCY                                                          |               | Y          | VARCHAR2      | 8             |
| Retrofitted from column AGENCY of table CNSR091                 |               |            |               |               |
| RQST_CLI_LOCN_CD                                                |               | Y          | VARCHAR2      | 2             |
| Retrofitted from column RQST_CLI_LOCN_CD of table CNSR091       |               |            |               |               |
| BATCH_ID                                                        |               | N          | NUMBER        | 10,0          |
| Retrofitted from column BATCH_ID of table CNSR091               |               |            |               |               |
| RUN_DATE                                                        |               | N          | DATE          |               |
| Retrofitted from column RUN_DATE of table CNSR091               |               |            |               |               |
| VEGETATION_CODE                                                 |               | Y          | VARCHAR2      | 8             |
| Retrofitted from column VEGETATION_CODE of table CNSR091        |               |            |               |               |
| LATEST_ACTIONED_DATE                                            |               | Y          | DATE          |               |
| Retrofitted from column LATEST_ACTIONED_DATE of table CNSR091   |               |            |               |               |
| OWNER_CLIENT_NUMBER                                             |               | Y          | VARCHAR2      | 8             |
| Retrofitted from column OWNER_CLIENT_NUMBER of table CNSR091    |               |            |               |               |
| OWNER_CLIENT_LOCN_CODE                                          |               | Y          | VARCHAR2      | 2             |
| Retrofitted from column OWNER_CLIENT_LOCN_CODE of table CNSR091 |               |            |               |               |
| REQUEST_SKEY                                                    |               | Y          | NUMBER        | 10,0          |
| Retrofitted from column REQUEST_SKEY of table CNSR091           |               |            |               |               |
| SEEDLING_CONTAINER_CODE                                         |               | Y          | VARCHAR2      | 4             |

2004-07-14 R.A.Robb

- Added for release 01\_16\_00.

\* = Attributes in primary unique identifier.

**Entity Name:** CNSR091 (cont'd)*Short Name:*

CNSR091

**Notes:**

2004-07-14 R.A.Robb

- Added SEEDLING\_CONTAINER\_CODE for release 01\_16\_00.

**Entity Name:** CNSR092**Short Name:** CNSR092**Plural:** CNSR092**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Use for reporting of the outcome of batch job CNSB02 - Seed/Cone Confirmation Receipt Letters to SPAR

**Attributes:**

| <u>Name</u>          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------|---------------|------------|---------------|---------------|
| BATCH_ID             |               | Y          | NUMBER        | 10            |
| OWNERS_COUNT         |               | Y          | NUMBER        | 10            |
| DATE_OF_LETTER       |               | Y          | DATE          |               |
| ACTUAL_ARRIVAL_DATE  |               | Y          | DATE          |               |
| SHIP_CLIENT_NUMBER   |               | Y          | VARCHAR2      | 8             |
| SHIP_CLIENT_LOCN_CD  |               | Y          | VARCHAR2      | 2             |
| SHIP_CLIENT_NAME     |               | Y          | VARCHAR2      | 60            |
| SEEDLOT_NUMBER       |               | Y          | VARCHAR2      | 5             |
| VEGETATION_CODE      |               | Y          | VARCHAR2      | 8             |
| RECEIPT_COMPLT_IND   |               | Y          | NUMBER        | 5             |
| FS721_RECEIVED_IND   |               | Y          | NUMBER        | 5             |
| NO_CONTAINERS        |               | Y          | NUMBER        | 6,2           |
| HL_VOLUME            |               | Y          | NUMBER        | 6,2           |
| PRODUCT_TYPE         |               | Y          | VARCHAR2      | 255           |
| APP_COMPLETE         |               | Y          | NUMBER        | 5             |
| ADDEN_REQUIRED       |               | Y          | VARCHAR2      | 3             |
| OWNER_CLIENT_NUMBER  |               | Y          | VARCHAR2      | 8             |
| OWNER_CLIENT_LOCN_CD |               | Y          | VARCHAR2      | 2             |
| ORIGINAL_PCT_OWNED   |               | Y          | VARCHAR2      | 8             |
| HL_VOLUME_PER_OWNER  |               | Y          | VARCHAR2      | 8             |
| ORCHARD_ID           |               | Y          | VARCHAR2      | 3             |
| MESSAGE              |               | Y          | VARCHAR2      | 500           |

\* = Attributes in primary unique identifier.

**Notes:**

2007-10-10 Elaine Wong

|                             |                     |                            |                            |
|-----------------------------|---------------------|----------------------------|----------------------------|
| <b>Entity Name:</b> CNSR093 |                     | <b>Short Name:</b> CNSR093 |                            |
| <i>Plural:</i>              | CNSR093             |                            |                            |
| <i>Init. Volume:</i>        | <i>Avg. Volume:</i> | <i>Max. Volume:</i>        | <i>Annual Growth Rate:</i> |

*Description:*

Use for reporting of the outcome of batch job CNSB09 - Acceptable Test Results to SPAR

*Attributes:*

| <u>Name</u>                                                | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------|---------------|------------|---------------|---------------|
| SEEDLOT_NUMBER                                             |               | Y          | VARCHAR2      | 5             |
| Retrofitted from column SEEDLOT_NUMBER of table CNSR093    |               |            |               |               |
| TEST_DATE                                                  |               | Y          | DATE          |               |
| Retrofitted from column TEST_DATE of table CNSR093         |               |            |               |               |
| SEEDLOT_TEST_CODE                                          |               | Y          | VARCHAR2      | 3             |
| Retrofitted from column SEEDLOT_TEST_CODE of table CNSR093 |               |            |               |               |
| RESULT                                                     |               | Y          | NUMBER        | 6,1           |
| Retrofitted from column RESULT of table CNSR093            |               |            |               |               |
| MESSAGE                                                    |               | Y          | VARCHAR2      | 250           |
| Retrofitted from column MESSAGE of table CNSR093           |               |            |               |               |
| BATCH_ID                                                   |               | N          | NUMBER        | 10,0          |
| Retrofitted from column BATCH_ID of table CNSR093          |               |            |               |               |
| RUN_DATE                                                   |               | N          | DATE          |               |
| Retrofitted from column RUN_DATE of table CNSR093          |               |            |               |               |
| * = Attributes in primary unique identifier.               |               |            |               |               |

|                             |                     |                            |                            |
|-----------------------------|---------------------|----------------------------|----------------------------|
| <b>Entity Name:</b> CNSR111 |                     | <b>Short Name:</b> CNSR111 |                            |
| <i>Plural:</i>              | CNSR111             |                            |                            |
| <i>Init. Volume:</i>        | <i>Avg. Volume:</i> | <i>Max. Volume:</i>        | <i>Annual Growth Rate:</i> |

*Description:*

Use for reporting of the outcome of batch job CNSB07 - Seed Lot Owned Quantity Calculation

*Attributes:*

| <u>Name</u>                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------|---------------|------------|---------------|---------------|
| SEEDLOT_NUMBER                                           |               | Y          | VARCHAR2      | 5             |
| Retrofitted from column SEEDLOT_NUMBER of table CNSR111  |               |            |               |               |
| TOTAL_RECS_READ                                          |               | Y          | NUMBER        | 10,0          |
| Retrofitted from column TOTAL_RECS_READ of table CNSR111 |               |            |               |               |
| TOTAL_RECS_UPDT                                          |               | Y          | NUMBER        | 10,0          |
| Retrofitted from column TOTAL_RECS_UPDT of table CNSR111 |               |            |               |               |
| TOTAL_RECS_RJCT                                          |               | Y          | NUMBER        | 10,0          |
| Retrofitted from column TOTAL_RECS_RJCT of table CNSR111 |               |            |               |               |
| MESSAGE                                                  |               | Y          | VARCHAR2      | 250           |
| Retrofitted from column MESSAGE of table CNSR111         |               |            |               |               |
| BATCH_ID                                                 |               | N          | NUMBER        | 10,0          |
| Retrofitted from column BATCH_ID of table CNSR111        |               |            |               |               |
| RUN_DATE                                                 |               | N          | DATE          |               |
| Retrofitted from column RUN_DATE of table CNSR111        |               |            |               |               |

\* = Attributes in primary unique identifier.

|                                         |                     |                     |                            |                         |
|-----------------------------------------|---------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> COAST INTERIOR CODE |                     |                     | <i>Short Name:</i>         | CIC                     |
| <i>Plural:</i>                          | COAST INTERIOR CODE |                     |                            |                         |
| <i>Init. Volume:</i>                    | 50                  | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                         |                     |                     | <i>Annual Growth Rate:</i> |                         |

*Description:*

A list of valid Coast/Interior Codes.

*Attributes:*

| <u>Name</u>                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------|---------------|------------|---------------|---------------|
| * COAST_INTERIOR_CODE                          |               | N          | VARCHAR2      | 1             |
| A code describing variousCoast/Interior Codes. |               |            |               |               |
| DESCRIPTION                                    | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.         |               |            |               |               |
| EFFECTIVE_DATE                                 | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.      |               |            |               |               |
| EXPIRY_DATE                                    | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                  |               |            |               |               |
| UPDATE_TIMESTAMP                               |               | N          | DATE          |               |
| The date and time of the last update.          |               |            |               |               |
| * = Attributes in primary unique identifier.   |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

- MAY BE contains a code for one or more LATEST SOWING DATE
  - MAY BE describes one or more NURSERY LOCATION
  - MAY BE contains a code for one or more TRANSFER\_LIMIT
  - MAY BE contains a code for one or more TRANSFER\_SPZ\_RESTRICTION
- \* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                        |         |   |
|------------------------|---------|---|
| COAST_INTERIOR_CODE_PK | Primary | Y |
| COAST_INTERIOR_CODE    |         |   |

|                                     |                 |                     |                            |                     |       |
|-------------------------------------|-----------------|---------------------|----------------------------|---------------------|-------|
| <b>Entity Name:</b> CODE LIST TABLE |                 |                     |                            | <b>Short Name:</b>  | CLT1  |
| <b>Plural:</b>                      | CODE LIST TABLE |                     |                            |                     |       |
| <b>Init. Volume:</b>                | 4000            | <b>Avg. Volume:</b> | 500                        | <b>Max. Volume:</b> | 10000 |
|                                     |                 |                     | <b>Annual Growth Rate:</b> |                     |       |

*Description:*

Contains code values and code descriptions identified for a specific Ministry of Forests Corporate Code.

*Attributes:*

| <u>Name</u>                                         | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------|---------------|------------|---------------|---------------|
| * COLUMN_NAME                                       |               | N          | VARCHAR2      | 18            |
| The type of code to be stored as a corporate code.  |               |            |               |               |
| * CODE_ARGUMENT                                     |               | N          | VARCHAR2      | 50            |
| The value of the corporate code.                    |               |            |               |               |
| EXPANDED_RESULT                                     |               | N          | VARCHAR2      | 120           |
| The description associated with the corporate code. |               |            |               |               |
| EFFECTIVE_DATE                                      |               | N          | DATE          |               |
| The starting date the Corporate code is in effect.  |               |            |               |               |
| EXPIRY_DATE                                         |               | N          | DATE          |               |
| The expiry date the corporate code is in effect.    |               |            |               |               |
| * = Attributes in primary unique identifier.        |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE has valid subsets of one or more CODE SUBSET TBL

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                    |         |   |
|--------------------|---------|---|
| CODE_LIST_TABLE_PK | Primary | Y |
| COLUMN_NAME        |         |   |
| CODE_ARGUMENT      |         |   |

|                                     |                 |                     |     |                            |      |
|-------------------------------------|-----------------|---------------------|-----|----------------------------|------|
| <b>Entity Name:</b> CODE SUBSET TBL |                 |                     |     | <i>Short Name:</i>         | CST  |
| <i>Plural:</i>                      | CODE SUBSET TBL |                     |     |                            |      |
| <i>Init. Volume:</i>                | 2000            | <i>Avg. Volume:</i> | 200 | <i>Max. Volume:</i>        | 4000 |
|                                     |                 |                     |     | <i>Annual Growth Rate:</i> |      |

**Description:**

Contains subsets to any ministry-standard Code Listed in CODE\_LIST\_TABLE. The subset codes are used when some codes from CODE\_LIST\_TABLE are valid for an application or view, but others are not.

**Attributes:**

| <u>Name</u>                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CODE_SUBSET_NAME                                           |               | N          | VARCHAR2      | 18            |
| The type of subsetted code to be stored as a corporate code. |               |            |               |               |
| * COLUMN_NAME                                                |               | N          | VARCHAR2      | 18            |
| The type of code to be stored as a corporate code.           |               |            |               |               |
| * CODE_ARGUMENT                                              |               | N          | VARCHAR2      | 50            |
| The value of the corporate code.                             |               |            |               |               |
| * = Attributes in primary unique identifier.                 |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MUST BE is a subset of one and only one CODE LIST TABLE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                    |         |   |
|--------------------|---------|---|
| CODE_SUBSET_TBL_PK | Primary | Y |
| CODE_SUBSET_NAME   |         |   |
| COLUMN_NAME        |         |   |
| CODE_ARGUMENT      |         |   |

|                                              |                          |                     |                            |                         |
|----------------------------------------------|--------------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> COLLECTION LATITUDE CODE |                          |                     | <b>Short Name:</b>         | CLC                     |
| <b>Plural:</b>                               | COLLECTION LATITUDE CODE |                     |                            |                         |
| <b>Init. Volume:</b>                         | 50                       | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> 250 |
|                                              |                          |                     | <b>Annual Growth Rate:</b> |                         |

Description:

A list of valid Collection Latitude Codes.

Attributes:

| <u>Name</u>                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------|---------------|------------|---------------|---------------|
| * COLLECTION_LATITUDE_CODE                     |               | N          | VARCHAR2      | 2             |
| A code describing various Collection Latitude. |               |            |               |               |
| DESCRIPTION                                    | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.         |               |            |               |               |
| EFFECTIVE_DATE                                 | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.      |               |            |               |               |
| EXPIRY_DATE                                    | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                  |               |            |               |               |
| UPDATE_TIMESTAMP                               |               | N          | DATE          |               |
| The date and time of the last update.          |               |            |               |               |
| * = Attributes in primary unique identifier.   |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains a code for one or more SEEDLOT
  - MAY BE describes one or more VEG LOT
  - MAY BE describes one or more VEG\_LOT\_AUDIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| CLCTN_LAT_CODE_PK        | Primary | Y |
| COLLECTION_LATITUDE_CODE |         |   |

|                      |                           |                     |                            |                     |      |
|----------------------|---------------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | COLLECTION LONGITUDE CODE |                     |                            | <b>Short Name:</b>  | CLC1 |
| <b>Plural:</b>       | COLLECTION LONGITUDE CODE |                     |                            |                     |      |
| <b>Init. Volume:</b> | 50                        | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250  |
|                      |                           |                     | <b>Annual Growth Rate:</b> |                     |      |

Description:

A list of valid Activity Type Codes.

Attributes:

| <u>Name</u>                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------|---------------|------------|---------------|---------------|
| * COLLECTION_LONGITUDE_CODE                           |               | N          | VARCHAR2      | 2             |
| A code describing various Collection Longitude Codes. |               |            |               |               |
| DESCRIPTION                                           | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.                |               |            |               |               |
| EFFECTIVE_DATE                                        | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.             |               |            |               |               |
| EXPIRY_DATE                                           | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                         |               |            |               |               |
| UPDATE_TIMESTAMP                                      |               | N          | DATE          |               |
| The date and time of the last update.                 |               |            |               |               |
| * = Attributes in primary unique identifier.          |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains a code for one or more SEEDLOT
- MAY BE describes one or more VEG LOT
- MAY BE describes one or more VEG\_LOT\_AUDIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                           |         |   |
|---------------------------|---------|---|
| CLCTN_LONG_CODE_PK        | Primary | Y |
| COLLECTION_LONGITUDE_CODE |         |   |

|                                            |                        |                     |                            |                         |
|--------------------------------------------|------------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> COLLECTION SOURCE CODE |                        |                     | <b>Short Name:</b>         | CSC2                    |
| <b>Plural:</b>                             | COLLECTION SOURCE CODE |                     |                            |                         |
| <b>Init. Volume:</b>                       | 50                     | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> 250 |
|                                            |                        |                     | <b>Annual Growth Rate:</b> |                         |

Description:

A list of valid Collection Source Codes.

Attributes:

| <u>Name</u>                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------|---------------|------------|---------------|---------------|
| * COLLECTION_SOURCE_CODE                      |               | N          | VARCHAR2      | 2             |
| A code describing various Collection Sources. |               |            |               |               |
| DESCRIPTION                                   | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.        |               |            |               |               |
| EFFECTIVE_DATE                                | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.     |               |            |               |               |
| EXPIRY_DATE                                   | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                 |               |            |               |               |
| UPDATE_TIMESTAMP                              |               | N          | DATE          |               |
| The date and time of the last update.         |               |            |               |               |
| * = Attributes in primary unique identifier.  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains a code for one or more SEEDLOT
  - MAY BE describes one or more VEG LOT
  - MAY BE describes one or more VEG\_LOT\_AUDIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                           |         |   |
|---------------------------|---------|---|
| COLLECTION_SOURCE_CODE_PK | Primary | Y |
| COLLECTION_SOURCE_CODE    |         |   |

Notes:

- 2006-06-29 R.A.Robb (Rls 3.0)
- no longer used but kept for historical purposes

|                      |                             |                     |                            |                     |      |
|----------------------|-----------------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | CONE COLLECTION METHOD CODE |                     |                            | <b>Short Name:</b>  | CCMC |
| <b>Plural:</b>       | CONE COLLECTION METHOD CODE |                     |                            |                     |      |
| <b>Init. Volume:</b> | 50                          | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250  |
|                      |                             |                     | <b>Annual Growth Rate:</b> |                     |      |

**Description:**  
A list of valid Cone based Collection Method Codes.

**Attributes:**

| <u>Name</u>                                         | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------|---------------|------------|---------------|---------------|
| * CONE_COLLECTION_METHOD_CODE                       |               | N          | VARCHAR2      | 3             |
| A list of valid Cone based Collection Method Codes. |               |            |               |               |
| DESCRIPTION                                         | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.              |               |            |               |               |
| EFFECTIVE_DATE                                      | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect            |               |            |               |               |
| EXPIRY_DATE                                         | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                       |               |            |               |               |
| UPDATE_TIMESTAMP                                    |               | N          | DATE          |               |
| The date and time of the last update.               |               |            |               |               |
| * = Attributes in primary unique identifier.        |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more SEEDLOT  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
CONE\_CLCTN\_MTHD\_CODE\_PK      Primary   Y  
CONE\_COLLECTION\_METHOD\_CODE

|                                         |                     |                     |                            |
|-----------------------------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b> CORP CAPTURE METHOD |                     | <i>Short Name:</i>  | CORPCM                     |
| <i>Plural:</i>                          | CORP CAPTURE METHOD |                     |                            |
| <i>Init. Volume:</i>                    | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

Description:

List of values defining the capture method for a spatial object. (e.g. DIGI, GPS, ORTHO).

Attributes:

| <u>Name</u>                                                                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CAPTURE METHOD CODE                                                                                                             |               | N          | VARCHAR2      | 30            |
| The method of data capture for the given tenure application map feature image. E.g. Photogrammetric, orthoPhotography, sketchMap. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                      |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more SEEDLOT GEOMETRY  
MAY BE describes one or more VEG LOT GEOMETRY  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                     |         |   |
|---------------------|---------|---|
| CORPCMCD            | Primary | Y |
| CAPTURE METHOD CODE |         |   |

**Entity Name:** CUT BLOCK**Short Name:** CBLK**Plural:** CUT BLOCK**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Information about harvesting that takes place on a cut block within a cutting permit, for a file on a harvesting tenure.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CB SKEY                                                                                                                                                                                                                                                       |               | N          | NUMBER        | 10            |
| The unique identifier for a cut block.                                                                                                                                                                                                                          |               |            |               |               |
| CUT BLOCK ID                                                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 10            |
| Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).                                                                                                                                                              |               |            |               |               |
| SP EXEMPT IND                                                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 1             |
| Only set to 'Y' for 'Exemption for silviculture Prescriptions' under sec. 30 of the Forest Practices Code of British Columbia Act, eg cut blocks under one hectare, or the use of the land will be incompatible with the establishment of a free growing stand. |               |            |               |               |
| <i>Allowable Values of Attribute</i>                                                                                                                                                                                                                            |               |            |               |               |
| N                                                                                                                                                                                                                                                               |               |            | N             |               |
| Y                                                                                                                                                                                                                                                               |               |            | Y             |               |
| BLOCK STATUS DATE                                                                                                                                                                                                                                               |               | Y          | DATE          |               |
| The date on which the current cut block status was set.                                                                                                                                                                                                         |               |            |               |               |
| CUT BLOCK DESCRIPTION                                                                                                                                                                                                                                           |               | Y          | VARCHAR2      | 120           |
| Description of the cut block                                                                                                                                                                                                                                    |               |            |               |               |
| REVISION COUNT                                                                                                                                                                                                                                                  |               | N          | NUMBER        | 5,0           |
| A count of the number of times an entry in the entity has been modified.                                                                                                                                                                                        |               |            |               |               |
| Used to validate if the current information displayed on a user's web browser is the most current.                                                                                                                                                              |               |            |               |               |
| ENTRY USERID                                                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 30            |
| The unique user id of the resource who initially added the entry.                                                                                                                                                                                               |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                                                                                                                                 |               | N          | DATE          |               |
| Timestamp when the event information was entered.                                                                                                                                                                                                               |               |            |               |               |
| UPDATE USERID                                                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 30            |
| The unique id of the user who last modified this entry.                                                                                                                                                                                                         |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                                                                                                                                |               | N          | DATE          |               |
| The date and time the entry was last modified.                                                                                                                                                                                                                  |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE timber removed by one and only one HAULING AUTHORITY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|              |         |   |
|--------------|---------|---|
| CB UK        | Primary | N |
| CUT BLOCK ID |         |   |
| CB PK        | Primary | Y |
| CB SKEY      |         |   |

|                      |                        |                            |      |
|----------------------|------------------------|----------------------------|------|
| <b>Entity Name:</b>  | CUTTING_AGE_CLASS_CODE | <b>Short Name:</b>         | CACC |
| <b>Plural:</b>       | CUTTING_AGE_CLASS_CODE |                            |      |
| <b>Init. Volume:</b> | 50                     | <b>Avg. Volume:</b>        | 5    |
|                      |                        | <b>Max. Volume:</b>        | 250  |
|                      |                        | <b>Annual Growth Rate:</b> |      |

Description:

A list of valid Cutting Age Class Codes

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * CUTTING_AGE_CLASS_CODE                     |               | N          | VARCHAR2      | 1             |
| A code describing various Age Classes.       |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more REQUEST VEGLOT  
MAY BE contains a code for one or more VEG LOT OWNER QUANTITY  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                        |         |   |
|------------------------|---------|---|
| CTNG_AGE_CLASS_CODE_PK | Primary | Y |
| CUTTING_AGE_CLASS_CODE |         |   |

|                      |                     |                     |                            |
|----------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b>  | DATA SOURCE CODE    | <i>Short Name:</i>  | DSCD                       |
| <i>Plural:</i>       | DATA SOURCE CODE    |                     |                            |
| <i>Init. Volume:</i> | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

*Description:*  
Describes the origin of a feature image. E.g. Air Photo, Forest Cover Maps, Satelite.

*Attributes:*

| <u>Name</u>        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------|---------------|------------|---------------|---------------|
| * DATA SOURCE CODE |               | N          | VARCHAR2      | 10            |

Describes the origin of a feature image. E.g. Air Photo, Forest Cover Maps, Satelite.

\* = *Attributes in primary unique identifier.*

*Relationships:*  
*Each Occurrence Of This Entity:*  
MAY BE describes one or more SEEDLOT GEOMETRY  
MAY BE describes one or more VEG LOT GEOMETRY  
\* = *Relationships in primary unique identifier.*

*Unique Identifiers:*  
CORPDSCD                      *Primary*    Y  
DATA SOURCE CODE

|                                       |                   |                     |                            |                         |
|---------------------------------------|-------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> DEBIT CREDIT CODE |                   |                     | <i>Short Name:</i>         | DCC                     |
| <i>Plural:</i>                        | DEBIT CREDIT CODE |                     |                            |                         |
| <i>Init. Volume:</i>                  | 50                | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                       |                   |                     | <i>Annual Growth Rate:</i> |                         |

Description:

A list of valid Debit Credit Codes

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * DEBIT_CREDIT_CODE                          |               | N          | VARCHAR2      | 2             |
| A code describing various Debit/Credits.     |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SERVICE BILLING  
MAY BE contains a second code for one or more SERVICE BILLING  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                      |         |   |
|----------------------|---------|---|
| DEBIT_CREDIT_CODE_PK | Primary | Y |
| DEBIT_CREDIT_CODE    |         |   |

**Entity Name:** ELEVATION BAND**Short Name:** SEBC**Plural:** ELEVATION BAND**Init. Volume:** 50**Avg. Volume:** 5**Max. Volume:** 250**Annual Growth Rate:****Description:**

Maintains a list of valid elevation bands for a seed planning unit.

**Attributes:**

| <u>Name</u>                                                                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * ELEVATION_BAND                                                                                                                                                              |               | N          | VARCHAR2      | 10            |
| Elevation Band for a Seed Planning Unit (SPU): High, Low, All.<br>2006-03-20 R.A.Robb (Rls 02_06_00)<br>- modified from maxlength=5 to maxlength=10 to support MID-HIGH, etc. |               |            |               |               |
| DESCRIPTION                                                                                                                                                                   |               | Y          | VARCHAR2      | 120           |
| Description of Elevation Band for a Seed Planning Unit (SPU): High, Low, All.<br>* = Attributes in primary unique identifier.                                                 |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE bands one or more SPU\_TABLE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SPU\_ELEVATION\_BAND\_CODE\_PK    Primary    Y

ELEVATION\_BAND

**Notes:**

2006-03-20 R.A.Robb (Rls 02\_06\_00)

- modified ELEVATION BAND attribute from maxlength=5 to maxlength=10 to support MID-HIGH, etc.

|                                          |                      |                     |                            |                         |
|------------------------------------------|----------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> EXCEPTION CAUSE CODE |                      |                     | <b>Short Name:</b>         | ECC                     |
| <b>Plural:</b>                           | EXCEPTION CAUSE CODE |                     |                            |                         |
| <b>Init. Volume:</b>                     | 50                   | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> 250 |
|                                          |                      |                     | <b>Annual Growth Rate:</b> |                         |

Description:

A list of valid Exception Causes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * EXCEPTION_CAUSE_CODE                       |               | N          | VARCHAR2      | 3             |
| A code describing various Exception Causes.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more REQUEST OVERRIDE

MAY BE contains a code for one or more SEEDLOT OVERRIDE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| EXCEPTION_CAUSE_CODE_PK | Primary | Y |
| EXCEPTION_CAUSE_CODE    |         |   |

**Entity Name:** EXPECTED RECEIPT CONTENT

Short Name:

ERC

Plural: EXPECTED RECEIPT CONTENT

Init. Volume: 0

Avg. Volume: 1000

Max. Volume: 5000

Annual Growth Rate:

**Description:**

Information about the expected contents of a cone or seed receipt which is used to plan and manage it's arrival.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * CLIENT_NUMBER                                                                                                                                                                                                                    |                 | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |                 |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |                 | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |                 |            |               |               |
| * ARRIVAL_DATE                                                                                                                                                                                                                     |                 | N          | DATE          |               |
| The date the shipment is scheduled and expected to arrive.                                                                                                                                                                         |                 |            |               |               |
| * ARRIVAL_TIME_CODE                                                                                                                                                                                                                |                 | N          | VARCHAR2      | 5             |
| The time the shipment is scheduled and expected to arrive.                                                                                                                                                                         |                 |            |               |               |
| * CONE_IND                                                                                                                                                                                                                         |                 | N          | VARCHAR2      | 1             |
| An indicator used to differentiate whether cone or seed is expected to be received.                                                                                                                                                |                 |            |               |               |
| * SEQUENCE_NO                                                                                                                                                                                                                      |                 | N          | NUMBER        | 5,0           |
| A sequence number used to differentiate consecutive shipments for a given client at a particular time.                                                                                                                             |                 |            |               |               |
| NO_OF_CONTAINERS                                                                                                                                                                                                                   |                 | N          | NUMBER        | 6,2           |
| The number of containers expected in the shipment.                                                                                                                                                                                 |                 |            |               |               |
| VOLUME_OF_CONE                                                                                                                                                                                                                     |                 | N          | NUMBER        | 6,2           |
| The total volume of cones, in hectolitres, that are part of the request item.                                                                                                                                                      |                 |            |               |               |
| QTY_OF_SEED                                                                                                                                                                                                                        |                 | N          | NUMBER        | 10,0          |
| The total volume of seed, in grams, that are part of the request item.                                                                                                                                                             |                 |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                     | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                       |                 |            |               |               |
| REQUEST_SKEY                                                                                                                                                                                                                       |                 | Y          | NUMBER        | 10,0          |
| The Request for which the shipment is to be applied against.                                                                                                                                                                       |                 |            |               |               |
| ITEM_ID                                                                                                                                                                                                                            |                 | Y          | VARCHAR2      | 1             |
| The Request for which the shipment is to be applied against. The Item ID specifies the specific Request Item.                                                                                                                      |                 |            |               |               |
| SEEDLOT_NUMBER                                                                                                                                                                                                                     |                 | Y          | VARCHAR2      | 5             |
| The Seedlot for which the shipment is to be applied against.                                                                                                                                                                       |                 |            |               |               |
| VEGETATION_CODE                                                                                                                                                                                                                    | VEGETATION_CODE | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                                |                 |            |               |               |
| SAMPLE_ID                                                                                                                                                                                                                          |                 | Y          | VARCHAR2      | 5             |
| The identifier of a sample if it is not a seedlot.                                                                                                                                                                                 |                 |            |               |               |
| FAMILY_LOT_NUMBER                                                                                                                                                                                                                  |                 | Y          | VARCHAR2      | 13            |
| * = Attributes in primary unique identifier.                                                                                                                                                                                       |                 |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is acknowledged with one and only one EXPECTED SHIPMENT RECEIPT

MAY BE is a shipment for one and only one REQUEST ITEM

MAY BE is a shipment containing one and only one SEEDLOT

|              |                                   |             |     |
|--------------|-----------------------------------|-------------|-----|
| Entity Name: | EXPECTED RECEIPT CONTENT (cont'd) | Short Name: | ERC |
|--------------|-----------------------------------|-------------|-----|

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                             |         |   |
|-----------------------------|---------|---|
| EXPECTED_RECEIPT_CONTENT_PK | Primary | Y |
| CLIENT_NUMBER               |         |   |
| CLIENT_LOCN_CODE            |         |   |
| ARRIVAL_DATE                |         |   |
| ARRIVAL_TIME_CODE           |         |   |
| CONE_IND                    |         |   |
| SEQUENCE_NO                 |         |   |

|                                               |                           |                     |                            |                          |
|-----------------------------------------------|---------------------------|---------------------|----------------------------|--------------------------|
| <b>Entity Name:</b> EXPECTED SHIPMENT RECEIPT |                           |                     | <b>Short Name:</b>         | ESR                      |
| <b>Plural:</b>                                | EXPECTED SHIPMENT RECEIPT |                     |                            |                          |
| <b>Init. Volume:</b>                          | 0                         | <b>Avg. Volume:</b> | 500                        | <b>Max. Volume:</b> 2500 |
|                                               |                           |                     | <b>Annual Growth Rate:</b> |                          |

Description:

Information necessary to plan and manage the arrival of a shipment (truck load) of cones or seeds.

Attributes:

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| * ARRIVAL_DATE                                                                                                                                                                                                                     |               | N          | DATE          |               |
| The date the shipment is scheduled and expected to arrive.                                                                                                                                                                         |               |            |               |               |
| * ARRIVAL_TIME_CODE                                                                                                                                                                                                                |               | N          | VARCHAR2      | 5             |
| The time the shipment is scheduled and expected to arrive.                                                                                                                                                                         |               |            |               |               |
| * CONE_IND                                                                                                                                                                                                                         |               | N          | VARCHAR2      | 1             |
| An indicator used to differentiate whether cone or seed is expected to be received.                                                                                                                                                |               |            |               |               |
| ETA_CONFIRMED_IND                                                                                                                                                                                                                  |               | N          | VARCHAR2      | 1             |
| An indication if the estimate time of arrival is accurate                                                                                                                                                                          |               |            |               |               |
| TOTAL_CONTAINERS                                                                                                                                                                                                                   |               | N          | NUMBER        | 6,2           |
| The total number of containers used in the shipment.                                                                                                                                                                               |               |            |               |               |
| TOTAL_SAMPLES                                                                                                                                                                                                                      |               | N          | NUMBER        | 5,0           |
| The total number of samples sent in the shipment.                                                                                                                                                                                  |               |            |               |               |
| TOTAL_SEEDLOTS                                                                                                                                                                                                                     |               | N          | NUMBER        | 6,0           |
| The total number of seedlots sent in the shipment.                                                                                                                                                                                 |               |            |               |               |
| TOTAL_FAMILYLOTS                                                                                                                                                                                                                   |               | N          | NUMBER        | 6,0           |
| The total number of Family lots sent in the shipment.                                                                                                                                                                              |               |            |               |               |
| TOTAL_VOLUME_CONE                                                                                                                                                                                                                  |               | N          | NUMBER        | 6,2           |
| The total volume of cones sent in the shipment.                                                                                                                                                                                    |               |            |               |               |
| TOTAL_QTY_SEED                                                                                                                                                                                                                     |               | N          | NUMBER        | 5,0           |
| The total quantity of seed sent in the shipment.                                                                                                                                                                                   |               |            |               |               |
| ENTRY_TIMESTAMP                                                                                                                                                                                                                    | AUDIT_DATE    | N          | DATE          |               |
| An audit timestamp tracking when the last time information was added for this record.                                                                                                                                              |               |            |               |               |
| ENTRY_USERID                                                                                                                                                                                                                       | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| An audit tracking mechanism identifying who added this record.                                                                                                                                                                     |               |            |               |               |
| UPDATE_TIMESTAMP                                                                                                                                                                                                                   | AUDIT_DATE    | N          | DATE          |               |
| An audit timestamp tracking when the last time information was modified on this record.                                                                                                                                            |               |            |               |               |
| UPDATE_USERID                                                                                                                                                                                                                      | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| An audit tracking mechanism identifying who modified this record.                                                                                                                                                                  |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                     | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                       |               |            |               |               |
| TRANSPORT_COMPANY                                                                                                                                                                                                                  |               | Y          | VARCHAR2      | 30            |
| The name of the transportation company used in the shipping of seed or cone.                                                                                                                                                       |               |            |               |               |
| CONTACT_NAME                                                                                                                                                                                                                       |               | Y          | VARCHAR2      | 40            |
| The name of a contact associated with the shipment.                                                                                                                                                                                |               |            |               |               |
| CONTACT_PHONE                                                                                                                                                                                                                      |               | Y          | VARCHAR2      | 10            |

|                     |                                    |                    |     |
|---------------------|------------------------------------|--------------------|-----|
| <b>Entity Name:</b> | EXPECTED SHIPMENT RECEIPT (cont'd) | <i>Short Name:</i> | ESR |
|---------------------|------------------------------------|--------------------|-----|

The phone number of the contact assoicated with the shipment.

|                  |   |          |     |
|------------------|---|----------|-----|
| SHIPMENT_COMMENT | Y | VARCHAR2 | 150 |
|------------------|---|----------|-----|

A comment assoicated with the shipment.

*\* = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE is described by one and only one ARRIVAL TIME CODE

MUST BE is acknowledged by one and only one CLIENT LOCATION

MAY BE provides a receipt for one or more EXPECTED RECEIPT CONTENT

*\* = Relationships in primary unique identifier.*

Unique Identifiers:

|                             |         |   |
|-----------------------------|---------|---|
| EXPECTED_SHIPMENT_RECEIPT_P | Primary | Y |
|-----------------------------|---------|---|

CLIENT\_NUMBER

CLIENT\_LOCN\_CODE

ARRIVAL\_DATE

ARRIVAL\_TIME\_CODE

CONE\_IND

|                                   |               |              |                     |                  |
|-----------------------------------|---------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> FACILITY CODE |               |              | Short Name:         | FC               |
| Plural:                           | FACILITY CODE |              |                     |                  |
| Init. Volume:                     | 50            | Avg. Volume: | 5                   | Max. Volume: 250 |
|                                   |               |              | Annual Growth Rate: |                  |

Description:

A list of valid Facility Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * FACILITY_CODE                              |               | N          | VARCHAR2      | 2             |
| A code describing various Facilities.        |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains a code for one or more LATEST SOWING DATE
  - MAY BE contains a code for one or more NURSERY FACILITY
  - MAY BE contains a code for one or more REQUEST ITEM
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                  |         |   |
|------------------|---------|---|
| FACILITY_CODE_PK | Primary | Y |
| FACILITY_CODE    |         |   |

|                                   |                     |                     |                            |        |
|-----------------------------------|---------------------|---------------------|----------------------------|--------|
| <b>Entity Name:</b> FEATURE CLASS |                     |                     | <i>Short Name:</i>         | CORPFC |
| <i>Plural:</i>                    | FEATURE CLASSES     |                     |                            |        |
| <i>Init. Volume:</i>              | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |        |

*Description:*

Stores information about feature classes. A feature class is used to classify and describe a geographic feature. A "feature" differs from a "feature class" in that the feature is an instance of the feature class

*Attributes:*

| <u>Name</u>                                                            | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * FEATURE CLASS SKEY                                                   |               | N          | NUMBER        | 10,0          |
| The unique key assigned to a Feature Class by the Ministry of Forests. |               |            |               |               |
| * = Attributes in primary unique identifier.                           |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE describes feature type for one or more BEC GEOMETRY

MAY BE describes feature type for one or more SEED PLAN UNIT GEOMETRY

MAY BE describes feature type for one or more SEED PLAN ZONE GEOMETRY

MAY BE describes feature type one or more SEEDLOT COLLECTION GEOMETRY

MAY BE describes feature type for one or more SEEDLOT GEOMETRY

MAY BE describes feature type for one or more SUPERIOR PROVENANCE GEOMETRY

MAY BE describes feature type for one or more VEG LOT GEOMETRY

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                    |                |   |
|--------------------|----------------|---|
| CORPFC             | <i>Primary</i> | Y |
| FEATURE CLASS SKEY |                |   |

|                                   |                     |                     |                            |     |
|-----------------------------------|---------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> FOREST CLIENT |                     |                     | <b>Short Name:</b>         | FC1 |
| <b>Plural:</b>                    | FOREST CLIENT       |                     |                            |     |
| <b>Init. Volume:</b>              | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |     |

Description:

Any company or individual who is dealing, has dealt or plans to deal with the Ministry. This is effectively the name and address list for the Ministry.

Attributes:

| <u>Name</u>                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CLIENT_NUMBER                                                   |               | N          | CHAR          | 8             |
| CLIENT_NAME                                                       |               | N          | VARCHAR2      | 60            |
| LEGAL_FIRST_NAME                                                  |               | N          | VARCHAR2      | 30            |
| LEGAL_MIDDLE_NAME                                                 |               | N          | VARCHAR2      | 30            |
| SOUNDEX_NAME                                                      |               | N          | VARCHAR2      | 30            |
| CLIENT_STATUS_CODE                                                |               | N          | CHAR          | 3             |
| CLIENT_TYPE_CODE                                                  |               | N          | CHAR          | 1             |
| BIRTHDATE                                                         |               | N          | DATE          |               |
| BC_DRIVERS_LICENSE                                                |               | N          | CHAR          | 7             |
| CLIENT_SIN                                                        |               | N          | CHAR          | 9             |
| CLIENT_OTHER_ID                                                   |               | N          | CHAR          | 40            |
| CORP_REGN_NMBR                                                    |               | N          | CHAR          | 9             |
| CORP_REPORTING_IND                                                |               | N          | CHAR          | 1             |
| OCG_SUPPLIER_NMBR                                                 |               | N          | CHAR          | 10            |
| PRIME_MAILING_LOCN                                                |               | N          | CHAR          | 2             |
| TOTAL_BALANCE                                                     |               | N          | CHAR          | 14            |
| WCB_FIRM_NUMBER                                                   |               | N          | CHAR          | 6             |
| CLIENT_COMMENT                                                    |               | N          | VARCHAR2      | 60            |
| UPDATE_TIMESTAMP                                                  | AUDIT_DATE    | N          | DATE          |               |
| UPDATE_USERID                                                     |               | N          | CHAR          | 8             |
| An audit tracking mechanism identifying who modified this record. |               |            |               |               |
| UPDATE_ORG_UNIT                                                   |               | N          | NUMBER        | 10,0          |
| ADD_TIMESTAMP                                                     | AUDIT_DATE    | N          | DATE          |               |
| ADD_USERID                                                        |               | N          | CHAR          | 8             |
| ADD_ORG_UNIT                                                      |               | N          | NUMBER        | 10,0          |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE is also known by one and only one CLIENT ACRONYM

MAY BE is located at one or more CLIENT LOCATION

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                   |         |   |
|-------------------|---------|---|
| I1\$FOREST_CLIENT | Primary | N |
| CLIENT_NAME       |         |   |
| LEGAL_MIDDLE_NAME |         |   |
| LEGAL_FIRST_NAME  |         |   |
| CLIENT_NUMBER     |         |   |
| I2\$FOREST_CLIENT | Primary | N |
| SOUNDEX_NAME      |         |   |
| LEGAL_MIDDLE_NAME |         |   |

**Entity Name:** FOREST CLIENT (cont'd)*Short Name:*

FC1

*LEGAL\_FIRST\_NAME**CLIENT\_NAME**CLIENT\_NUMBER**CLIENT\_STATUS\_CODE*

FOREST\_CLIENT\_PK

*Primary* Y*CLIENT\_NUMBER*

**Entity Name:** FOREST INVOICE**Short Name:**

FI

**Plural:** FOREST INVOICE**Init. Volume:** 348000      **Avg. Volume:** 1000**Max. Volume:** 400000**Annual Growth Rate:****Description:**

The invoice is the document that is used to notify a client of a billing assessment made by the ministry.

**Attributes:**

| <u>Name</u>                                                                         | <u>Domain</u>         | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------|-----------------------|------------|---------------|---------------|
| * INVOICE_NUMBER                                                                    |                       | N          | VARCHAR2      | 7             |
| The invoice number notifying a client of a billing assessment made by the ministry. |                       |            |               |               |
| * CANCELLATION_IND                                                                  |                       | N          | VARCHAR2      | 1             |
| PAYABLE_BY_CLIENT                                                                   |                       | N          | VARCHAR2      | 8             |
| The client number the transaction is applicable to.                                 |                       |            |               |               |
| PAYABLE_BY_CLI_LOC                                                                  |                       | N          | VARCHAR2      | 2             |
| The clientlocation the transaction is applicable to.                                |                       |            |               |               |
| INVOICE_AMOUNT                                                                      |                       | N          | NUMBER        | 9,2           |
| INVOICE_CLASS_CODE                                                                  |                       | N          | VARCHAR2      | 3             |
| INVOICE_DATE                                                                        |                       | N          | DATE          |               |
| INVOICE_TYPE_CODE                                                                   |                       | N          | VARCHAR2      | 3             |
| INVC_SUB_TYPE_CODE                                                                  |                       | N          | VARCHAR2      | 3             |
| CANCELLED_BY_INVC                                                                   |                       | N          | VARCHAR2      | 7             |
| ORG_UNIT_NO                                                                         |                       | N          | NUMBER        | 10,0          |
| RELATED_INVOICE                                                                     |                       | N          | VARCHAR2      | 7             |
| INVOICE_RLN_TYP_CD                                                                  |                       | N          | VARCHAR2      | 3             |
| REL_INVOICE_STS_ST                                                                  |                       | N          | VARCHAR2      | 3             |
| REPLACED_BY_INVC                                                                    |                       | N          | VARCHAR2      | 7             |
| SCALE_RETURN_DATE                                                                   |                       | N          | DATE          |               |
| SCALE_SITE_ID_NMBR                                                                  |                       | N          | VARCHAR2      | 3             |
| SCALER_LICENCE_NUM                                                                  |                       | N          | VARCHAR2      | 4             |
| VOLUME_ONLY_IND                                                                     |                       | N          | VARCHAR2      | 1             |
| COPY_TO_CLIENT                                                                      |                       | N          | VARCHAR2      | 8             |
| COPY_TO_CLI_LOC                                                                     |                       | N          | VARCHAR2      | 2             |
| ENTRY_TIMESTAMP                                                                     | AUDIT_DATE            | N          | DATE          |               |
| ENTRY_USERID                                                                        | NON_SPAR_AUDIT_USERID | N          | VARCHAR2      | 8             |
| UPDATE_USERID                                                                       | NON_SPAR_AUDIT_USERID | N          | VARCHAR2      | 8             |
| An audit tracking mechanism identifying who modified this record.                   |                       |            |               |               |
| UPDATE_TIMESTAMP                                                                    | AUDIT_DATE            | N          | DATE          |               |
| POSTED_DATE                                                                         |                       | N          | DATE          |               |
| POSTED_SEQUENCE_NO                                                                  |                       | N          | NUMBER        | 10,0          |
| SCALED_AT                                                                           |                       | N          | VARCHAR2      | 40            |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE invoices one and only one CLIENT LOCATION

MUST BE is copied from one and only one CLIENT LOCATION

MAY BE is cancelled by one and only one FOREST INVOICE

MAY BE is related from one and only one FOREST INVOICE

|              |                         |             |    |
|--------------|-------------------------|-------------|----|
| Entity Name: | FOREST INVOICE (cont'd) | Short Name: | FI |
|--------------|-------------------------|-------------|----|

MAY BE is replaced by one and only one FOREST INVOICE  
MUST BE cancels one and only one FOREST INVOICE  
MUST BE relates to one and only one FOREST INVOICE  
MUST BE replaces one and only one FOREST INVOICE  
MUST BE is generated by one and only one ORG UNIT  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                   |         |   |
|-------------------|---------|---|
| FOREST_INVOICE_PK | Primary | Y |
| INVOICE_NUMBER    |         |   |
| CANCELLATION_IND  |         |   |

|                                       |                     |                     |                            |      |
|---------------------------------------|---------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> GAMETIC MTHD CODE |                     |                     | <b>Short Name:</b>         | GCMC |
| <b>Plural:</b>                        | GAMETIC MTHD CODE   |                     |                            |      |
| <b>Init. Volume:</b>                  | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |

Description:

Attributes:

| <u>Name</u>                                                                                          | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * GAMETIC MTHD CODE                                                                                  |                     | N          | VARCHAR2      | 3             |
| Code that describes the gametic contribution method code for a seedlot                               |                     |            |               |               |
| DESCRIPTION                                                                                          | DESCRIPTION         | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code.                                                  |                     |            |               |               |
| EFFECTIVE DATE                                                                                       | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| The associated values are available for use beginning on this date and time.                         |                     |            |               |               |
| EXPIRY DATE                                                                                          | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| The associated values are no longer available for use as of this date and time.                      |                     |            |               |               |
| UPDATE_TIMESTAMP                                                                                     | AUDIT_TIMESTAMP     | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                     |            |               |               |
| * = Attributes in primary unique identifier.                                                         |                     |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE describes female parent tree contribution for one or more SEEDLOT
  - MAY BE describes male parent tree contribution for one or more SEEDLOT
  - MAY BE female parent tree contribution described by one or more SEEDLOT AUDIT
  - MAY BE male parent tree contribution described by one or more SEEDLOT AUDIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                   |         |   |
|-------------------|---------|---|
| GCMC              | Primary | Y |
| GAMETIC MTHD CODE |         |   |

|                      |                    |                     |                            |                     |     |
|----------------------|--------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | GENETIC CLASS CODE |                     |                            | <b>Short Name:</b>  | GCC |
| <b>Plural:</b>       | GENETIC CLASS CODE |                     |                            |                     |     |
| <b>Init. Volume:</b> | 50                 | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250 |
|                      |                    |                     | <b>Annual Growth Rate:</b> |                     |     |

*Description:*  
A list of valid Genetic Class Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * GENETIC CLASS CODE                         |               | N          | VARCHAR2      | 1             |
| A code describing various Genetic Classes.   |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more BAREROOT RULE  
MAY BE contains a code for one or more REGISTRATION STANDARD  
MAY BE lots to plant one or more SEED PLAN ZONE  
MAY BE contains a code for one or more SEED PRICE  
MAY BE contains a code for one or more SEEDLOT  
MAY BE contains a code for one or more SOWING RULE FACTOR  
MAY BE contains a code for one or more SPECIES GENETIC SPZ XREF  
MAY BE contains a code for one or more TRANSFER\_LIMIT  
MAY BE contains a code for one or more TRANSFER\_SPZ\_RESTRICTION  
MAY BE describes one or more VEG LOT  
MAY BE describes one or more VEG\_LOT\_AUDIT  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
GENETIC\_CLASS\_CODE\_PK                      Primary    Y  
GENETIC CLASS CODE

|                                       |                     |                     |                            |      |
|---------------------------------------|---------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> GENETIC TYPE CODE |                     |                     | <b>Short Name:</b>         | GTCD |
| <b>Plural:</b>                        | GENETIC TYPE CODES  |                     |                            |      |
| <b>Init. Volume:</b>                  | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |

**Description:**

Describes the comparative measure of genetic value for a specific genetic trait of a parent tree. Examples are BV (Breeding Value) and CV (Clonal Value).

**Attributes:**

| <u>Name</u>                                                                                                                                               | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * GENETIC TYPE CODE                                                                                                                                       |                     | N          | VARCHAR2      | 2             |
| Describes the comparative measure of genetic value for a specific genetic trait of a parent tree. Examples are BV (Breeding Value) and CV (Clonal Value). |                     |            |               |               |
| DESCRIPTION                                                                                                                                               | DESCRIPTION         | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code.                                                                                                       |                     |            |               |               |
| EFFECTIVE DATE                                                                                                                                            | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| The associated values are available for use beginning on this date and time.                                                                              |                     |            |               |               |
| EXPIRY DATE                                                                                                                                               |                     | N          | DATE          |               |
| The associated values are no longer available for use as of this date and time.                                                                           |                     |            |               |               |
| UPDATE_TIMESTAMP                                                                                                                                          |                     | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                      |                     |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                              |                     |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MAY BE describes genetic type for one or more PARENT TREE GENETIC QUALITIES

MAY BE defines test type for one or more SEEDLOT PARENT TREE GEN QLTY

MAY BE test result is of type one or more SMP MIX GEN QLTY

MAY BE defines test type for one or more VEG LOT PARENT TREE GEN QLTY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                   |         |   |
|-------------------|---------|---|
| GTCD              | Primary | Y |
| GENETIC TYPE CODE |         |   |

**Notes:**

PARENT TREE SUBSYSTEM

|                      |                    |                     |                            |                     |     |
|----------------------|--------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | GENETIC WORTH CODE |                     |                            | <b>Short Name:</b>  | GWC |
| <b>Plural:</b>       | GENETIC WORTH CODE |                     |                            |                     |     |
| <b>Init. Volume:</b> | 50                 | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250 |
|                      |                    |                     | <b>Annual Growth Rate:</b> |                     |     |

*Description:*  
A list of valid Genetic Worth Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * GENETIC WORTH CODE                         |               | N          | VARCHAR2      | 1             |
| A code describing various Genetic Worths.    |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE describes trait for one or more PARENT TREE GENETIC QUALITIES  
MAY BE describes selection one or more PARENT TREE GENETIC TRAITS  
MAY BE to one or more REQUEST ITEM GENETIC WORTH  
MAY BE contains a code for one or more SEED PRICE  
MAY BE contains a code for one or more SEEDLOT GENETIC WORTH  
MAY BE to one or more SEEDLOT PARENT TREE GEN QLTY  
MAY BE describes one or more SMP MIX GEN QLTY  
MAY BE contains code for one or more SUPERIOR PROVENANCE  
MAY BE contains a code for one or more VEG LOT GENETIC WORTH  
MAY BE describes one or more VEG LOT PARENT TREE GEN QLTY  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
GENETIC\_WORTH\_CODE\_PK      Primary   Y  
    GENETIC WORTH CODE

**Entity Name:** HAULING AUTHORITY

Short Name:

HAA

Plural: HAULING AUTHORITY

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Information about the moving permission for a timber tenure. For some Road Permits and Licences to Cut, no moving permission is granted.

**Attributes:**

| <u>Name</u>                                                                                                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TIMBER MARK                                                                                                                                                                  |               | Y          | VARCHAR2      | 6             |
| Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.               |               |            |               |               |
| REVISION COUNT                                                                                                                                                                 |               | N          | NUMBER        | 5,0           |
| A count of the number of times an entry in the entity has been modified.<br>Used to validate if the current information displayed on a user's web browser is the most current. |               |            |               |               |
| ENTRY USERID                                                                                                                                                                   |               | N          | VARCHAR2      | 30            |
| The unique user id of the resource who initially added the entry.                                                                                                              |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                                                |               | N          | DATE          |               |
| Timestamp when the event information was entered.                                                                                                                              |               |            |               |               |
| UPDATE USERID                                                                                                                                                                  |               | N          | VARCHAR2      | 30            |
| The userid of the individual who last updated this information.                                                                                                                |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                                               |               | N          | DATE          |               |
| The date and time of the last update.                                                                                                                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                   |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE the hauling authority for one or more CUT BLOCK

MAY BE the hauling authority for one and only one PROV FOREST USE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

TM PK Primary Y

TIMBER MARK

|                      |                   |                     |                            |                     |     |
|----------------------|-------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | INTENDED USE CODE |                     |                            | <i>Short Name:</i>  | IUC |
| <i>Plural:</i>       | INTENDED USE CODE |                     |                            |                     |     |
| <i>Init. Volume:</i> | 50                | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250 |
|                      |                   |                     | <i>Annual Growth Rate:</i> |                     |     |

*Description:*  
A list of valid Intended Use Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * INTENDED_USE_CODE                          |               | N          | VARCHAR2      | 3             |
| A code describing various Intended Uses.     |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more SPAR REQUEST  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
INTENDED\_USE\_CODE\_PK      Primary   Y  
    INTENDED\_USE\_CODE

|                      |                      |                     |                            |                     |     |
|----------------------|----------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | INTERM FACILITY CODE |                     |                            | <i>Short Name:</i>  | IFC |
| <i>Plural:</i>       | INTERM FACILITY CODE |                     |                            |                     |     |
| <i>Init. Volume:</i> | 50                   | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250 |
|                      |                      |                     | <i>Annual Growth Rate:</i> |                     |     |

*Description:*  
A list of valid Interim Facility Codes.

*Attributes:*

| <u>Name</u>                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------|---------------|------------|---------------|---------------|
| * INTERM_FACILITY_CODE                        |               | N          | VARCHAR2      | 3             |
| A code describing various Interim facilities. |               |            |               |               |
| DESCRIPTION                                   |               | N          | VARCHAR2      | 120           |
| A description for the affiliated code.        |               |            |               |               |
| EFFECTIVE_DATE                                |               | N          | DATE          |               |
| The effective date the code is in effect.     |               |            |               |               |
| EXPIRY_DATE                                   |               | N          | DATE          |               |
| The date the code expires on.                 |               |            |               |               |
| UPDATE_TIMESTAMP                              |               | N          | DATE          |               |
| The date and time of the last update.         |               |            |               |               |
| * = Attributes in primary unique identifier.  |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more SEEDLOT  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
INTERM\_FACILITY\_CODE\_PK      Primary   Y  
    INTERM\_FACILITY\_CODE

|                                  |  |                           |  |                            |  |
|----------------------------------|--|---------------------------|--|----------------------------|--|
| <b>Entity Name:</b> INVOICE ITEM |  |                           |  | <i>Short Name:</i> II      |  |
| <i>Plural:</i> INVOICE ITEM      |  |                           |  |                            |  |
| <i>Init. Volume:</i> 0           |  | <i>Avg. Volume:</i> 20000 |  | <i>Max. Volume:</i> 100000 |  |
| <i>Annual Growth Rate:</i>       |  |                           |  |                            |  |

**Description:**  
A service billing item that is or was included on an invoice.

**Attributes:**

| <u>Name</u>                                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * INVOICE_NUMBER                                                                          |               | N          | VARCHAR2      | 7             |
| The invoice number notifying a client of a billing assessment made by the ministry.       |               |            |               |               |
| * SERVICE_BILLING_SKEY                                                                    |               | N          | NUMBER        | 10,0          |
| The maximum billing surrogate key value used by the system to identify a Service Billing. |               |            |               |               |
| * = Attributes in primary unique identifier.                                              |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is one and only one SERVICE BILLING  
MUST BE is a line item associated with one and only one TSC INVOICE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
INVOICE\_ITEM\_PK                      Primary   Y  
    INVOICE\_NUMBER  
    SERVICE\_BILLING\_SKEY

|                      |                            |                     |                            |                     |      |
|----------------------|----------------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | INVOICE RELATION TYPE CODE |                     |                            | <i>Short Name:</i>  | IRTC |
| <i>Plural:</i>       | INVOICE RELATION TYPE CODE |                     |                            |                     |      |
| <i>Init. Volume:</i> | 50                         | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250  |
|                      |                            |                     | <i>Annual Growth Rate:</i> |                     |      |

Description:

A list of valid Invoice Relation Type Codes.

Attributes:

| <u>Name</u>                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------|---------------|------------|---------------|---------------|
| * INVOICE_RELATION_TYPE_CODE                      |               | N          | VARCHAR2      | 3             |
| A code describing various Invoice Relation Types. |               |            |               |               |
| DESCRIPTION                                       | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.            |               |            |               |               |
| EFFECTIVE_DATE                                    | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.         |               |            |               |               |
| EXPIRY_DATE                                       | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                     |               |            |               |               |
| UPDATE_TIMESTAMP                                  |               | N          | DATE          |               |
| The date and time of the last update.             |               |            |               |               |
| * = Attributes in primary unique identifier.      |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more TSC INVOICE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                            |         |   |
|----------------------------|---------|---|
| INVOICE_RLN_TYP_CODE_PK    | Primary | Y |
| INVOICE_RELATION_TYPE_CODE |         |   |

**Entity Name:** LATEST SOWING DATE

Short Name:

LSD

Plural: LATEST SOWING DATE

Init. Volume: 4000

Avg. Volume: 200

Max. Volume: 5000

Annual Growth Rate:

**Description:**

Provides the latest month and day in the given year that seed to produce a given stock type can be sown. Nursery + Species + Season + Container Type + Facility + Seedling Stock Age gives the latest sowing date. It will default to Facility if not provided.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                          | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * LATEST_SOWING_DATE_SKEY                                                                                                                                                                                                                            |                 | N          | NUMBER        | 10,0          |
| A unique identifier establishing a unique Latest Sowing Date entry.                                                                                                                                                                                  |                 |            |               |               |
| CLIENT_NUMBER                                                                                                                                                                                                                                        |                 | Y          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                                          |                 |            |               |               |
| CLIENT_LOCN_CODE                                                                                                                                                                                                                                     |                 | Y          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.                   |                 |            |               |               |
| COAST_INTERIOR_CODE                                                                                                                                                                                                                                  |                 | N          | VARCHAR2      | 1             |
| A code representing geographic location.                                                                                                                                                                                                             |                 |            |               |               |
| VEGETATION_CODE                                                                                                                                                                                                                                      | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                                                  |                 |            |               |               |
| PLANTING_SEASON_CODE                                                                                                                                                                                                                                 |                 | N          | VARCHAR2      | 2             |
| A code which represents a time period within a year for which planting occurs.                                                                                                                                                                       |                 |            |               |               |
| SEEDLING_STOCK_TYPE_CODE                                                                                                                                                                                                                             |                 | Y          | VARCHAR2      | 3             |
| A code which represents the type of stock which is to be grown at the nursery.                                                                                                                                                                       |                 |            |               |               |
| SEEDLING_CONTAINER_CODE                                                                                                                                                                                                                              |                 | Y          | VARCHAR2      | 4             |
| A code representing the type of container in which seedlings will be grown (if container stock). The first character represents the approximate diameter, the next two characters represent the approximate depth, and a one character density code. |                 |            |               |               |
| SEEDLING_STOCK_AGE_CODE                                                                                                                                                                                                                              |                 | N          | VARCHAR2      | 6             |
| A code which represents the age of the stock being requested to be grown. It has three parts (two characters each) each representing the number of years in a given growin gmedium. e.g. 151510 represents 1.5 + 1.5 + 1.0 years (4.0 years).        |                 |            |               |               |
| FACILITY_CODE                                                                                                                                                                                                                                        |                 | N          | VARCHAR2      | 2             |
| A code which represents the type of facility that the seedlings will be grown in.                                                                                                                                                                    |                 |            |               |               |
| LATEST_SOWING_DAY                                                                                                                                                                                                                                    |                 | N          | VARCHAR2      | 4             |
| The latest month and day in the given sowing year for which sowing can take place.                                                                                                                                                                   |                 |            |               |               |
| DEFAULT_FCLTY_IND                                                                                                                                                                                                                                    |                 | N          | VARCHAR2      | 1             |
| An indicator used to identify the default facility and sowing day when a specific facility is not specified.                                                                                                                                         |                 |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                                       | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                         |                 |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is applied at the nursery of one and only one CLIENT LOCATION

MUST BE is described by one and only one COAST INTERIOR CODE

MUST BE is described by one and only one FACILITY CODE

MUST BE is described by one and only one PLANTING SEASON CODE

|                     |                             |             |     |
|---------------------|-----------------------------|-------------|-----|
| <b>Entity Name:</b> | LATEST SOWING DATE (cont'd) | Short Name: | LSD |
|---------------------|-----------------------------|-------------|-----|

MUST BE is described by one and only one SEEDLING CONTAINER CODE

MUST BE is described by one and only one SEEDLING STOCK AGE CODE

MUST BE is described by one and only one SEEDLING STOCK TYPE CODE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| I1\$_LATEST_SOWING_DATE  | Primary | N |
| CLIENT_NUMBER            |         |   |
| CLIENT_LOCN_CODE         |         |   |
| COAST_INTERIOR_CODE      |         |   |
| VEGETATION_CODE          |         |   |
| PLANTING_SEASON_CODE     |         |   |
| SEEDLING_STOCK_TYPE_CODE |         |   |
| SEEDLING_CONTAINER_CODE  |         |   |
| SEEDLING_STOCK_AGE_CODE  |         |   |
| FACILITY_CODE            |         |   |
| LATEST_SOWING_DATE_PK    | Primary | Y |
| LATEST_SOWING_DATE_SKEY  |         |   |

|                      |               |                     |                            |                     |      |
|----------------------|---------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | LATITUDE BAND |                     |                            | <i>Short Name:</i>  | SLBC |
| <i>Plural:</i>       | LATITUDE BAND |                     |                            |                     |      |
| <i>Init. Volume:</i> | 50            | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250  |
|                      |               |                     | <i>Annual Growth Rate:</i> |                     |      |

Description:

Maintains a list of valid latitude bands for a seed planning unit.

Attributes:

| <u>Name</u>                                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * LATITUDE_BAND                                                                 |               | N          | VARCHAR2      | 5             |
| Latitude Band for a Seed Planning Unit (SPU): North, South, All.                |               |            |               |               |
| DESCRIPTION                                                                     |               | Y          | VARCHAR2      | 120           |
| Description of Latitude Band for a Seed Planning Unit (SPU): North, South, All. |               |            |               |               |
| * = Attributes in primary unique identifier.                                    |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE band one or more SPU\_TABLE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                            |         |   |
|----------------------------|---------|---|
| SPU_LATITUDE_BAND_TABLE_PK | Primary | Y |
| LATITUDE_BAND              |         |   |

|                                        |                    |              |                     |
|----------------------------------------|--------------------|--------------|---------------------|
| <b>Entity Name:</b> LOT OWNERSHIP CODE |                    | Short Name:  | LOC                 |
| Plural:                                | LOT OWNERSHIP CODE |              |                     |
| Init. Volume:                          | Avg. Volume:       | Max. Volume: | Annual Growth Rate: |

Description:

Attributes:

| Name                 | Domain | Opt | Format    | Length |
|----------------------|--------|-----|-----------|--------|
| * LOT OWNERSHIP CODE |        | N   | CHAR      | 1      |
| DESCRIPTION          |        | N   | CHAR      | 120    |
| EFFECTIVE DATE       |        | N   | TIMESTAMP |        |
| EXPIRY DATE          |        | N   | TIMESTAMP |        |
| UPDATE TIMESTAMP     |        | N   | TIMESTAMP |        |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| LOTCD_UK           | Primary | Y |
| LOT OWNERSHIP CODE |         |   |

|                                         |                     |              |                     |                  |
|-----------------------------------------|---------------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> MAIL_ADDR_TYPE_CODE |                     |              | Short Name:         | MADC             |
| Plural:                                 | MAIL_ADDR_TYPE_CODE |              |                     |                  |
| Init. Volume:                           | 50                  | Avg. Volume: | 5                   | Max. Volume: 250 |
|                                         |                     |              | Annual Growth Rate: |                  |

Description:

A list of valid Mail Address Type Codes.

Attributes:

| <u>Name</u>                                      | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------|---------------|------------|---------------|---------------|
| * MAIL_ADDR_TYPE_CODE                            |               | N          | VARCHAR2      | 1             |
| A code describing various Mailing Address Types. |               |            |               |               |
| DESCRIPTION                                      | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.           |               |            |               |               |
| EFFECTIVE_DATE                                   | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.        |               |            |               |               |
| EXPIRY_DATE                                      | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                    |               |            |               |               |
| UPDATE_TIMESTAMP                                 |               | N          | DATE          |               |
| The date and time of the last update.            |               |            |               |               |
| * = Attributes in primary unique identifier.     |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more TSC\_CLIENT\_CONTACT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                        |         |   |
|------------------------|---------|---|
| MAIL_ADDR_TYPE_CODE_PK | Primary | Y |
| MAIL_ADDR_TYPE_CODE    |         |   |

|                      |                        |                            |      |
|----------------------|------------------------|----------------------------|------|
| <b>Entity Name:</b>  | METHOD OF PAYMENT CODE | <b>Short Name:</b>         | MOPC |
| <b>Plural:</b>       | METHOD OF PAYMENT CODE |                            |      |
| <b>Init. Volume:</b> | 50                     | <b>Avg. Volume:</b>        | 5    |
|                      |                        | <b>Max. Volume:</b>        | 250  |
|                      |                        | <b>Annual Growth Rate:</b> |      |

Description:

A list of valid Method of Payment Codes.

Attributes:

| <u>Name</u>                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------|---------------|------------|---------------|---------------|
| * METHOD_OF_PAYMENT_CODE                      |               | N          | VARCHAR2      | 3             |
| A code describing various Method of Payments. |               |            |               |               |
| DESCRIPTION                                   | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.        |               |            |               |               |
| EFFECTIVE_DATE                                | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.     |               |            |               |               |
| EXPIRY_DATE                                   | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                 |               |            |               |               |
| UPDATE_TIMESTAMP                              |               | N          | DATE          |               |
| The date and time of the last update.         |               |            |               |               |
| * = Attributes in primary unique identifier.  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SEEDLOT OWNER QUANTITY

MAY BE contains a code for one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| MTHD_OF_PAYMENT_CODE_PK | Primary | Y |
| METHOD_OF_PAYMENT_CODE  |         |   |

|                                    |                |                     |                            |                         |
|------------------------------------|----------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> NAD DATUM CODE |                |                     | <i>Short Name:</i>         | NDC                     |
| <i>Plural:</i>                     | NAD DATUM CODE |                     |                            |                         |
| <i>Init. Volume:</i>               | 50             | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                    |                |                     | <i>Annual Growth Rate:</i> |                         |

Description:

A list of valid NAD Datum Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * NAD DATUM CODE                             |               | N          | VARCHAR2      | 2             |
| A code describing various NAD Datum.         |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains a code for one or more SEEDLOT
- MAY BE contains a code for one or more SPAR REQUEST
- MAY BE describes one or more VEG LOT
- MAY BE describes one or more VEG\_LOT\_AUDIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                   |         |   |
|-------------------|---------|---|
| NAD_DATUM_CODE_PK | Primary | Y |
| NAD DATUM CODE    |         |   |

|                      |                              |                     |                            |
|----------------------|------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b>  | NATURAL SELECTION TYPE CODE  | <b>Short Name:</b>  | NSTCD                      |
| <b>Plural:</b>       | NATURAL SELECTION TYPE CODES |                     |                            |
| <b>Init. Volume:</b> | <b>Avg. Volume:</b>          | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Initial values: Plus Tree PLS, Provenance PRV

Attributes:

| <u>Name</u>                                                                                          | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * NATURAL SELECTION TYPE CODE                                                                        |                     | N          | VARCHAR2      | 3             |
| Initial values: Plus Tree PLS, Provenance PRV                                                        |                     |            |               |               |
| DESCRIPTION                                                                                          | DESCRIPTION         | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code.                                                  |                     |            |               |               |
| EFFECTIVE DATE                                                                                       | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| EXPIRY DATE                                                                                          | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| The associated values are no longer available for use as of this date and time.                      |                     |            |               |               |
| UPDATE_TIMESTAMP                                                                                     | AUDIT_TIMESTAMP     | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                     |            |               |               |
| * = Attributes in primary unique identifier.                                                         |                     |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more NATURAL STANDS

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                             |         |   |
|-----------------------------|---------|---|
| NSTCD                       | Primary | Y |
| NATURAL SELECTION TYPE CODE |         |   |

Notes:

PARENT TREE SUBSYSTEM

|                                   |                     |                     |                            |      |
|-----------------------------------|---------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> NATURAL STAND |                     |                     | <b>Short Name:</b>         | NSPT |
| <b>Plural:</b>                    | NATURAL STANDS      |                     |                            |      |
| <b>Init. Volume:</b>              | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |
| <b>Subtype of:</b>                | PARENT TREE         |                     |                            |      |

Description:

Attributes:

| <u>Name</u>                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| GEOGRAPHIC LOCATION                                                                         |               | Y          | VARCHAR2      | 30            |
| A free format text description of the geographic location where the Parent Tree originated. |               |            |               |               |
| LATITUDE DEGREES                                                                            |               | Y          | NUMBER        | 2             |
| The latitude (degrees portion) where the Parent Tree originated.                            |               |            |               |               |
| LATITUDE MINUTES                                                                            |               | Y          | NUMBER        | 2             |
| The latitude (minutes portion) where the Parent Tree originated.                            |               |            |               |               |
| LATITUDE SECONDS                                                                            |               | Y          | NUMBER        | 2             |
| The latitude (seconds portion) where the Parent Tree originated.                            |               |            |               |               |
| LONGITUDE DEGREES                                                                           |               | Y          | NUMBER        | 3             |
| The longitude (degrees portion) where the Parent Tree originated.                           |               |            |               |               |
| LONGITUDE MINUTES                                                                           |               | Y          | NUMBER        | 2             |
| The longitude (minutes portion) where the Parent Tree originated.                           |               |            |               |               |
| LONGITUDE SECONDS                                                                           |               | Y          | NUMBER        | 2             |
| The longitude (seconds portion) where the Parent Tree originated.                           |               |            |               |               |
| ELEVATION                                                                                   |               | Y          | NUMBER        | 5             |
| The elevation in meters where the Parent Tree originated.                                   |               |            |               |               |
| SELECTION AGE                                                                               |               | Y          | NUMBER        | 3             |
| The age of the parent tree selection in number of years.                                    |               |            |               |               |
| BGC SUBZONE CODE                                                                            |               | Y          | VARCHAR2      | 3             |
| BGC VARIANT                                                                                 |               | Y          | VARCHAR2      | 1             |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE of origin one and only one BGC ZONE CODE
- MAY BE described by one and only one NATURAL SELECTION TYPE CODE
- MAY BE described by B class one and only one SEED PLAN ZONE CODE

\* = Relationships in primary unique identifier.

Notes:

PARENT TREE SUBSYSTEM

|                                          |                      |                     |                            |                         |
|------------------------------------------|----------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> NMBR TREES FROM CODE |                      |                     | <i>Short Name:</i>         | NTFC                    |
| <i>Plural:</i>                           | NMBR TREES FROM CODE |                     |                            |                         |
| <i>Init. Volume:</i>                     | 50                   | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                          |                      |                     | <i>Annual Growth Rate:</i> |                         |

Description:

A list of valid Number of Trees Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * NMBR_TREES_FROM_CODE                       |               | N          | VARCHAR2      | 1             |
| A code describing various Number of Trees.   |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SEEDLOT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| NMBR_TREES_FROM_CODE_PK | Primary | Y |
| NMBR_TREES_FROM_CODE    |         |   |

|                                      |                  |                     |                            |                         |
|--------------------------------------|------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> NURSERY FACILITY |                  |                     | <i>Short Name:</i>         | NF                      |
| <i>Plural:</i>                       | NURSERY FACILITY |                     |                            |                         |
| <i>Init. Volume:</i>                 | 300              | <i>Avg. Volume:</i> | 20                         | <i>Max. Volume:</i> 400 |
|                                      |                  |                     | <i>Annual Growth Rate:</i> |                         |

Description:

A table of the facilities a Nursery (Client) has available for the production of seedlings.

Attributes:

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| * FACILITY_CODE                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 2             |
| A code which represents the type of facility that the seedlings will be grown in.                                                                                                                                                  |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                     | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                       |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                       |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MUST BE is owned by one and only one CLIENT LOCATION
- MUST BE is described by one and only one FACILITY CODE
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| I1\$_NURSERY_FACILITY | Primary | N |
| FACILITY_CODE         |         |   |
| CLIENT_NUMBER         |         |   |
| CLIENT_LOCN_CODE      |         |   |
| NURSERY_FACILITY_PK   | Primary | Y |
| CLIENT_NUMBER         |         |   |
| CLIENT_LOCN_CODE      |         |   |
| FACILITY_CODE         |         |   |

|                                      |                  |                     |                            |                         |
|--------------------------------------|------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> NURSERY LOCATION |                  |                     | <b>Short Name:</b>         | NL                      |
| <b>Plural:</b>                       | NURSERY LOCATION |                     |                            |                         |
| <b>Init. Volume:</b>                 | 100              | <b>Avg. Volume:</b> | 10                         | <b>Max. Volume:</b> 200 |
|                                      |                  |                     | <b>Annual Growth Rate:</b> |                         |

Description:

A table used to identify the geographic location of Nursery Clients. They are either considered 'C' (Coastal) or 'I' (Interior).

Attributes:

| <u>Name</u>                                                                                                                            | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| NURSERY ACRONYM                                                                                                                        |               | N          | VARCHAR2      | 8             |
| A familiar alphabetic acronym to be used as an alternate to the ministry's client number and location code for data entry and display. |               |            |               |               |
| 2007-02-10 R.A.Robb (Rls 3.3)<br>- added NURSERY_ACRONYM                                                                               |               |            |               |               |
| COAST INTERIOR CODE                                                                                                                    |               | N          | VARCHAR2      | 1             |
| A code representing geographic location.                                                                                               |               |            |               |               |
| REVISION COUNT                                                                                                                         | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                           |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                           |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE is owned by one and only one CLIENT LOCATION
- MUST BE is described by one and only one COAST INTERIOR CODE
- MAY BE assigned to one or more REQUEST ITEM
- MAY BE requested for one or more SPAR REQUEST
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                      |         |   |
|------------------------------------------------------|---------|---|
| NURSERY LOCATION UK                                  | Primary | N |
| NURSERY ACRONYM                                      |         |   |
| NURSERY LOCATION PK                                  | Primary | Y |
| MUST BE is owned by one and only one CLIENT LOCATION |         |   |

Notes:

2007-02-10 R.A.Robb (Rls 3.3)  
- added NURSERY\_ACRONYM and cleaned up entity

**Entity Name:** OPENING

Short Name:

OPE

Plural: OPENING

Init. Volume: 75000

Avg. Volume: 4000

Max. Volume: 150000

Annual Growth Rate:

**Description:**

The administrative boundary of an area of land on which silviculture activities are planned and completed.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * OPENING_ID                                                                                                                                                                                                                         |               | N          | NUMBER        | 10,0          |
| System generated value uniquely identifying the opening.                                                                                                                                                                             |               |            |               |               |
| ADMIN_REGION_NO                                                                                                                                                                                                                      |               | N          | NUMBER        | 10,0          |
| The Ministry of Forests region which has the administrative responsibility for the opening.                                                                                                                                          |               |            |               |               |
| ADMIN_DISTRICT_NO                                                                                                                                                                                                                    |               | N          | NUMBER        | 10,0          |
| The Ministry of Forests district which has the administrative responsibility for the opening.                                                                                                                                        |               |            |               |               |
| MAPSHEET_GRID                                                                                                                                                                                                                        |               | N          | VARCHAR2      | 3             |
| NTG or BCGS grid. Values are 82, 83, 92, 93, 94, 102, 103,104, 114.                                                                                                                                                                  |               |            |               |               |
| MAPSHEET_LETTER                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 1             |
| BCGS/NTG letter. Values are A - P, and W.                                                                                                                                                                                            |               |            |               |               |
| MAPSHEET_SQUARE                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 3             |
| BCGS NUMBER or NTG NUMBER and LETTER. BCGS NUMBER values are 1-100, and NTG NUMBER values are 1-16 with NTG LETTER values A - H, and W.                                                                                              |               |            |               |               |
| MAPSHEET_QUAD                                                                                                                                                                                                                        |               | N          | VARCHAR2      | 1             |
| Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.                                                                                                                                                           |               |            |               |               |
| MAPSHEET_SUB_QUAD                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| Sub-Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.                                                                                                                                                       |               |            |               |               |
| OPENING_NUMBER                                                                                                                                                                                                                       |               | N          | VARCHAR2      | 4             |
| An unique identifier up to four characters long that describes the opening on a specified mapsheet.                                                                                                                                  |               |            |               |               |
| OPENING_LOCN_NAME                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 30            |
| A descriptive name of the geographic location of the opening.                                                                                                                                                                        |               |            |               |               |
| COMMUNITY_WS_IND                                                                                                                                                                                                                     |               | N          | VARCHAR2      | 1             |
| A (Y/N) indicator used to show if the opening is within a community watershed.                                                                                                                                                       |               |            |               |               |
| OPENING_XREF                                                                                                                                                                                                                         |               | N          | VARCHAR2      | 15            |
| A character field that typically is used to cross-reference mapsheets if there are more than one, or cross-reference an old tenure with a new one.                                                                                   |               |            |               |               |
| OPENING_GROSS_AREA                                                                                                                                                                                                                   |               | N          | NUMBER        | 7,1           |
| The total area (expressed in hectares) of the block to be harvested or the size of the area on which Silviculture activities will be performed.                                                                                      |               |            |               |               |
| MEASURE_METHOD_CD                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| Method by which the gross area for the opening was derived.                                                                                                                                                                          |               |            |               |               |
| TREATMNT_REGIME_ID                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 2             |
| Identifies the treatment regime assigned to the opening. The treatment regime can also be assigned at the ATU scheduler and if assigned here, the newly assigned treatment regime will not appear on the Opening Inquiry data field. |               |            |               |               |
| DIST_ADMIN_ZONE                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 2             |
| A code which indicates which geographic location the opening is in (within the district). Code meanings are assigned in the district location code table.                                                                            |               |            |               |               |
| DISTRICT_LOCN1_ID                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 2             |
| A second geographic code which can be assigned to the opening.                                                                                                                                                                       |               |            |               |               |
| DISTRICT_LOCN2_ID                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 2             |
| A second geographic code which can be assigned to the opening.                                                                                                                                                                       |               |            |               |               |

| <b>Entity Name:</b> OPENING (cont'd)                                                                                                                                                                   |                       |            | <b>Short Name:</b> | <b>OPE</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|--------------------|------------|
| TSA_NUMBER                                                                                                                                                                                             |                       | N VARCHAR2 | 2                  |            |
| The unique identifier for the Timber Supply Area in which the opening is located.                                                                                                                      |                       |            |                    |            |
| TSB_NUMBER                                                                                                                                                                                             |                       | N VARCHAR2 | 3                  |            |
| The unique identifier for the Timber Supply Block (within the Timber Supply Area) in which the opening is located.                                                                                     |                       |            |                    |            |
| SILV_FUND_SRCE_CD                                                                                                                                                                                      |                       | N VARCHAR2 | 3                  |            |
| A code indicating which Funding Program will be the primary funding source for silviculture activities on the opening.                                                                                 |                       |            |                    |            |
| RESPONSIBILITY_CD                                                                                                                                                                                      |                       | N VARCHAR2 | 1                  |            |
| A code to indicate if the opening is a Ministry of Forests or Licensee responsibility (with respect to responsibilities for silviculture obligations).                                                 |                       |            |                    |            |
| SP_EXEMPT_IND                                                                                                                                                                                          |                       | N VARCHAR2 | 1                  |            |
| An indicator which states if the opening is exempt from a Silviculture Prescription (as determined by the District Manager).                                                                           |                       |            |                    |            |
| SEED_PLAN_ZONE_CD                                                                                                                                                                                      |                       | N VARCHAR2 | 3                  |            |
| The code for the seed planning zone into which the opening falls.                                                                                                                                      |                       |            |                    |            |
| UTM_ZONE                                                                                                                                                                                               |                       | N NUMBER   | 5,0                |            |
| The UTM Zone for the centre of the opening.                                                                                                                                                            |                       |            |                    |            |
| UTM_EASTING                                                                                                                                                                                            |                       | N NUMBER   | 10,0               |            |
| The UTM Easting coordinate for the centre of the opening.                                                                                                                                              |                       |            |                    |            |
| UTM_NORTHING                                                                                                                                                                                           |                       | N NUMBER   | 10,0               |            |
| The UTM Northing coordinate for the centre of the opening.                                                                                                                                             |                       |            |                    |            |
| NAD_DATUM_CD                                                                                                                                                                                           |                       | N VARCHAR2 | 2                  |            |
| A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.                                                                                                            |                       |            |                    |            |
| LATITUDE_DEGREES                                                                                                                                                                                       | LATITUDE              | N NUMBER   | 2,0                |            |
| A global designation for the relative distance north or south from the equator, (measured in degrees and minutes). Values should be between 48 and 60 for the province of British Columbia.            |                       |            |                    |            |
| LATITUDE_MINUTES                                                                                                                                                                                       | MINUTES               | N NUMBER   | 2,0                |            |
| Smaller units within a degree of latitude. Value should be between 0 and 60.                                                                                                                           |                       |            |                    |            |
| LONGITUDE_DEGREES                                                                                                                                                                                      | LONGITUDE             | N NUMBER   | 3,0                |            |
| A global designation for the relative distance east or west from the Greenwich meridian, (measured in degrees and minutes). Values should be between 112 and 120 for the province of British Columbia. |                       |            |                    |            |
| LONGITUDE_MINUTES                                                                                                                                                                                      | MINUTES               | N NUMBER   | 2,0                |            |
| Smaller units within a degree of longitude. Value should be between 0 and 60.                                                                                                                          |                       |            |                    |            |
| PRUNE_HT_OBJECTIVE                                                                                                                                                                                     |                       | N NUMBER   | 3,1                |            |
| Smaller units within a degree of longitude. Value should be between 0 and 60.                                                                                                                          |                       |            |                    |            |
| NSR_CATEGORY_CD                                                                                                                                                                                        |                       | N VARCHAR2 | 4                  |            |
| The NSR type as applied to the entire opening which categorizes the NSR land with respect to treatability.                                                                                             |                       |            |                    |            |
| GEO_DISTRICT_NO                                                                                                                                                                                        |                       | N NUMBER   | 10,0               |            |
| The Ministry of Forests district in which the opening physically resides.                                                                                                                              |                       |            |                    |            |
| UPDATE_USERID                                                                                                                                                                                          | NON_SPAR_AUDIT_USERID | N VARCHAR2 | 8                  |            |
| The USERID of the individual who last updated the information.                                                                                                                                         |                       |            |                    |            |
| UPDATE_TIMESTAMP                                                                                                                                                                                       | AUDIT_DATE            | N DATE     |                    |            |
| The date and time of the last update.                                                                                                                                                                  |                       |            |                    |            |
| ENTRY_USERID                                                                                                                                                                                           | NON_SPAR_AUDIT_USERID | N VARCHAR2 | 8                  |            |

|                     |                  |             |     |
|---------------------|------------------|-------------|-----|
| <b>Entity Name:</b> | OPENING (cont'd) | Short Name: | OPE |
|---------------------|------------------|-------------|-----|

|                                                                                                                                                                 |            |   |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|-------------|
| The USERID of the individual who entered the information.                                                                                                       |            |   |             |
| ENTRY_TIMESTAMP                                                                                                                                                 | AUDIT_DATE | N | DATE        |
| The date and time the information was entered.                                                                                                                  |            |   |             |
| PHOTO_LINE_NUMBERS                                                                                                                                              |            | N | VARCHAR2 55 |
| The numbers for the aerial photos and the aerial photo flight lines which are appropriate for the opening (i.e. in which the area is visisble from the photos). |            |   |             |
| * = Attributes in primary unique identifier.                                                                                                                    |            |   |             |

Relationships:

Each Occurrence Of This Entity:

MAY BE regenerated through one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|            |         |   |
|------------|---------|---|
| OPENING_PK | Primary | Y |
| OPENING_ID |         |   |

**Entity Name:** OPERATION TIME REQUIREMENT**Short Name:**

OTR

**Plural:** OPERATION TIME REQUIREMENT**Init. Volume:** 500**Avg. Volume:** 50**Max. Volume:** 750**Annual Growth Rate:****Description:**

Identifies the Ministry schedule of time required to deliver a service. A blank Tree Species Code indicates a time requirement for all species.

**Attributes:**

| <u>Name</u>                                                                                                 | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * OPERATION_TIME_REQT_SKEY                                                                                  |                 | N          | NUMBER        | 10,0          |
| SEED_SERVICE_CODE                                                                                           |                 | N          | VARCHAR2      | 3             |
| A code which represents the type of service which is being requested to be performed.                       |                 |            |               |               |
| VEGETATION_CODE                                                                                             | VEGETATION_CODE | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                         |                 |            |               |               |
| EFFECTIVE_DATE                                                                                              |                 | N          | DATE          |               |
| The date on which the service time requirement takes effect.                                                |                 |            |               |               |
| EXPIRY_DATE                                                                                                 |                 | Y          | DATE          |               |
| The date on which the service time requirement expires.                                                     |                 |            |               |               |
| STANDARD_TIME_RQRD                                                                                          |                 | N          | NUMBER        | 5,0           |
| The amount of time required to perform a particular service. Its units are dependent on the time unit code. |                 |            |               |               |
| SERVICE_TIME_UNIT_CODE                                                                                      |                 | N          | VARCHAR2      | 3             |
| A code which represents the time unit of measure.                                                           |                 |            |               |               |
| REVISION_COUNT                                                                                              | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                                |                 |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one SEED SERVICE CODE

MUST BE is described by one and only one SERVICE TIME UNIT CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                 |         |   |
|---------------------------------|---------|---|
| I1\$ OPERATION_TIME_REQUIREMENT | Primary | N |
| SEED_SERVICE_CODE               |         |   |
| VEGETATION_CODE                 |         |   |
| EFFECTIVE_DATE                  |         |   |
| OPERATION_TIME_REQUIREMENT      | Primary | Y |
| OPERATION_TIME_REQT_SKEY        |         |   |

**Entity Name:** ORCHARD**Short Name:**

ORC

**Plural:** ORCHARD**Init. Volume:** 150**Avg. Volume:** 10**Max. Volume:** 200**Annual Growth Rate:****Description:**

A location where class A seed or class A cuttings are produced.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u>   | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|---------------|
| * ORCHARD ID                                                                                                                                                                                                                       |                 | N VARCHAR2               | 3             |
| A unique identifier which is assigned to a location where cuttings or A class seed is produced.                                                                                                                                    |                 |                          |               |
| ORCHARD LOT TYPE CODE                                                                                                                                                                                                              |                 | N VARCHAR2               | 1             |
| A code representing a type of orchard. The two values will be 'S' (Seed Lot) or 'C' (Cutting Lot).                                                                                                                                 |                 |                          |               |
| GENERATION NUMBER                                                                                                                                                                                                                  |                 | Y NUMBER                 | 3,2           |
| A number which represents the genetic quality of the seed produced by an orchard. Genetic gain increases as generation number increases.                                                                                           |                 |                          |               |
| Retrofitted from column GENERATION_NUMBER of table ORCHARD                                                                                                                                                                         |                 |                          |               |
| CLIENT NUMBER                                                                                                                                                                                                                      |                 | N VARCHAR2               | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |                 |                          |               |
| CLIENT LOCN CODE                                                                                                                                                                                                                   |                 | N VARCHAR2               | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |                 |                          |               |
| REVISION COUNT                                                                                                                                                                                                                     | REVISION_CNT    | N NUMBER                 | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                       |                 |                          |               |
| ORCHARD NAME                                                                                                                                                                                                                       |                 | Y VARCHAR2               | 30            |
| The name of a location where cuttings or A class seed is produced.                                                                                                                                                                 |                 |                          |               |
| ORCHARD STAGE CODE                                                                                                                                                                                                                 |                 | Y VARCHAR2               | 3             |
| A code which represents the current stage or status of an orchard.                                                                                                                                                                 |                 |                          |               |
| LICENSED IND                                                                                                                                                                                                                       |                 | Y VARCHAR2               | 1             |
| An indicator to show whether the orchard is licensed ('Y' yes) or not ('N' no).                                                                                                                                                    |                 |                          |               |
| LICENSED DATE                                                                                                                                                                                                                      |                 | Y DATE                   |               |
| The date (year, month and day) the orchard was licensed.                                                                                                                                                                           |                 |                          |               |
| LICENSE RENEWAL DATE                                                                                                                                                                                                               |                 | Y DATE                   |               |
| The date (year, month and day) the license for the orchard is to be renewed.                                                                                                                                                       |                 |                          |               |
| VEGETATION CODE                                                                                                                                                                                                                    | VEGETATION_CODE | Y VARCHAR2               | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                                |                 |                          |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                       |                 |                          |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE owned by one and only one CLIENT LOCATION

MAY BE has transactions stored in one or more ORCHARD COMMITMENTS TRANS

MUST BE is described by one and only one ORCHARD LOT TYPE CODE

MAY BE plans one or more ORCHARD PRODN GENETIC WORTH

MAY BE is described by one and only one ORCHARD STAGE CODE

MAY BE produces one or more PARENT TREE ORCHARDS

MAY BE produces A class seed for one or more SEEDLOT

MAY BE secondarily contributes parent trees one or more SEEDLOT

MAY BE cross referenced by one or more SPU\_ORCHARD\_LINK

|              |                  |             |     |
|--------------|------------------|-------------|-----|
| Entity Name: | ORCHARD (cont'd) | Short Name: | ORC |
|--------------|------------------|-------------|-----|

MAY BE has restrictions defined by one or more TRANSFER\_ORCHARD

MAY BE harvests one or more VEG LOT

MAY BE harvests one or more VEG\_LOT\_AUDIT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|            |         |   |
|------------|---------|---|
| ORCHARD_PK | Primary | Y |
| ORCHARD ID |         |   |

**Entity Name:** ORCHARD COMMITMENTS TRANS**Short Name:**

OCT

**Plural:** ORCHARD COMMITMENTS TRANS**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:****Attributes:**

| <u>Name</u>                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * ORCHARD_ID                                                                                                  |               | N          | VARCHAR2      | 3             |
| A unique identifier which is assigned to a location where Class A cuttings or seed is produced.               |               |            |               |               |
| * PRODUCTION_YEAR                                                                                             | YEARS         | N          | NUMBER        | 4,0           |
| The production year of the Actual/Planned orchard cone crop (July 1 to June 30).                              |               |            |               |               |
| * INT_ORCH_CLIENT_NUMBER                                                                                      |               | N          | VARCHAR2      | 8             |
| The orchard owner's internal (seed supply contract) client number - can be multiple internal orchard clients. |               |            |               |               |
| * INT_ORCH_CLIENT_LOCN_CD                                                                                     |               | N          | VARCHAR2      | 2             |
| The orchard owner's internal (seed supply contract) client location code - can be multiple internal clients.  |               |            |               |               |
| ORCH_CROP_RESERVED_COMMIT_PLN<br>D                                                                            |               | Y          | NUMBER        | 5,0           |
| The reserved portion of the orchard crop that is a planned (projected) commitment.                            |               |            |               |               |
| ORCH_CROP_RESERVED_COMMIT_TR<br>ANS_ACTL                                                                      |               | Y          | NUMBER        | 5,0           |
| The reserved portion of the orchard crop that is logged as acutal transactions from a planned commitment.     |               |            |               |               |
| ORCH_CROP_SURPLUS_UNCOMMIT_PL<br>ND                                                                           |               | Y          | NUMBER        | 5,0           |
| The surplus portion of the orchard crop that is a planned (projected) uncommittment (non-committed).          |               |            |               |               |
| ORCH_CROP_SURPLUS_UNCOMMIT_TR<br>ANS_ACTL                                                                     |               | Y          | NUMBER        | 5,0           |
| The surplus portion of the orchard crop that is logged as acutal transactions from a planned uncommittment.   |               |            |               |               |
| SPAR_FUND_SRCE_CODE                                                                                           |               | Y          | VARCHAR2      | 3             |
| Funding Source (SPAR) of internal orchard client.                                                             |               |            |               |               |
| ACTUAL_LAST_UPDATE                                                                                            |               | Y          | DATE          |               |
| Date the production actual field data is recorded.                                                            |               |            |               |               |
| PLANNED_LAST_UPDATE                                                                                           |               | Y          | DATE          |               |
| Date the orchard production planned (Species Plans) crop and genetic gain data is recorded.                   |               |            |               |               |
| SPU_ID                                                                                                        |               | Y          | NUMBER        | 10,0          |
| A unique identifier which is assigned to a Seed Planning Unit.                                                |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is a commitment against one and only one ORCHARD

MAY BE contains a code for one and only one SPAR FUND SRCE CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

OCT\_PK Primary Y

ORCHARD\_ID

PRODUCTION\_YEAR

**Entity Name:** ORCHARD COMMITMENTS TRANS (cont'd)*Short Name:*

OCT

*INT\_ORCH\_CLIENT\_NUMBER**INT\_ORCH\_CLIENT\_LOCN\_CD*

|                                           |                       |                     |                            |                         |
|-------------------------------------------|-----------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> ORCHARD LOT TYPE CODE |                       |                     | <b>Short Name:</b>         | OLTC                    |
| <b>Plural:</b>                            | ORCHARD LOT TYPE CODE |                     |                            |                         |
| <b>Init. Volume:</b>                      | 50                    | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> 250 |
|                                           |                       |                     | <b>Annual Growth Rate:</b> |                         |

**Description:**  
A list of valid Orchard Lot Types Codes.

| <b>Attributes:</b>                           |               |            |               |               |
|----------------------------------------------|---------------|------------|---------------|---------------|
| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
| * ORCHARD_LOT_TYPE_CODE                      |               | N          | VARCHAR2      | 1             |
| A code describing various Orchard Lot Types. |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more ORCHARD  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
ORCHARD\_LOT\_TYPE\_CODE\_PK      Primary   Y  
    ORCHARD\_LOT\_TYPE\_CODE

Init. Volume:                      Avg. Volume:                      Max. Volume:                      Annual Growth Rate:

|                    |         |   |
|--------------------|---------|---|
| OPGW_PK            | Primary | Y |
| ORCHARD_ID         |         |   |
| PRODUCTION_PLANNED |         |   |
| PRODUCTION_YEAR    |         |   |

|                                        |                    |                     |                            |                         |
|----------------------------------------|--------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> ORCHARD STAGE CODE |                    |                     | <i>Short Name:</i>         | OSC                     |
| <i>Plural:</i>                         | ORCHARD STAGE CODE |                     |                            |                         |
| <i>Init. Volume:</i>                   | 50                 | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                        |                    |                     | <i>Annual Growth Rate:</i> |                         |

*Description:*  
A list of valid Orchard Stage Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * ORCHARD_STAGE_CODE                         |               | N          | VARCHAR2      | 3             |
| A code describing various Orchard Stages.    |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more ORCHARD  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
ORCHARD\_STAGE\_CODE\_PK      *Primary*   Y  
    ORCHARD\_STAGE\_CODE

**Entity Name:** ORG CLIENT XREF*Short Name:*

OCX

*Plural:* ORG CLIENT XREF*Init. Volume:* 50*Avg. Volume:* 5*Max. Volume:* 70*Annual Growth Rate:***Description:**

Used to identify and cross reference ministry org units to clients.

**Attributes:**

| <u>Name</u>    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------|---------------|------------|---------------|---------------|
| REVISION_COUNT |               | N          | NUMBER        | 5,0           |

A counter used to ensure data integrity. This item should be incremented during each update.

\* = *Attributes in primary unique identifier.***Relationships:**Each Occurrence Of This Entity:

MUST BE associates org units to one and only one CLIENT LOCATION

\* MUST BE belongs to an one and only one ORG UNIT

\* = *Relationships in primary unique identifier.***Unique Identifiers:**

ORG\_CLIENT\_XREF\_PK                      Primary   Y

*MUST BE belongs to an one and only one ORG UNIT***Notes:**

2006-06-09 R.A.Robb

- Changed unique key

Short Name: OMU

*Init. Volume:* 500      *Avg. Volume:* 10      *Max. Volume:* 1000      *Annual Growth Rate:*

A list of valid Management Units and Types within a given Org Unit

| <u>Name</u>                                                                                                                                                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| ORG_MGMT_UNIT_NO                                                                                                                                                                                                        |               | N          | NUMBER        | 10,0          |
| Sequentially assigned number to identify an Org_Unit, Management_Unit_Type, and Management_Unit_ID combination.                                                                                                         |               |            |               |               |
| ORG_UNIT_NO                                                                                                                                                                                                             |               | N          | NUMBER        | 10,0          |
| Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes". |               |            |               |               |
| SPR_MGMT_UNIT_TYPE_CODE                                                                                                                                                                                                 |               | N          | VARCHAR2      | 1             |
| A subset of the administrative management unit as defined by the ministry for managing the forest land, eg. TSA. This subset applies for Seedling Requests.                                                             |               |            |               |               |
| MGMT_UNIT_ID                                                                                                                                                                                                            |               | Y          | VARCHAR2      | 4             |
| The number that is assigned to a specific administrative management unit.                                                                                                                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                            |               |            |               |               |

Each Occurrence Of This Entity:

MUST BE is managed by one and only one ORG UNIT

MAY BE is an element of one or more SPAR ORG MGMT

MUST BE is described by one and only one SPR\_MGMT\_UNIT\_TYPE\_CODE

\* = Relationships in primary unique identifier.

|                  |         |   |
|------------------|---------|---|
| ORG_MGMT_UNIT_PK | Primary | Y |
| ORG_MGMT_UNIT_NO |         |   |

**Entity Name:** ORG UNIT**Short Name:**

OU1

**Plural:** ORG UNIT**Init. Volume:** 1000**Avg. Volume:** 0**Max. Volume:** 2000**Annual Growth Rate:****Description:**

Records codes for ministry organisation units (offices), such as branch, region, or district office. Codes are currently defined to the office, section/program, and subsection level.

**Attributes:**

| <u>Name</u>        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------|---------------|------------|---------------|---------------|
| * ORG_UNIT_NO      |               | N          | NUMBER        | 10,0          |
| ORG_UNIT_CODE      |               | N          | VARCHAR2      | 6             |
| ORG_UNIT_NAME      |               | N          | VARCHAR2      | 100           |
| LOCATION_CODE      |               | N          | VARCHAR2      | 3             |
| AREA_CODE          |               | N          | VARCHAR2      | 3             |
| TELEPHONE_NO       |               | N          | VARCHAR2      | 7             |
| ORG_LEVEL_CODE     |               | N          | VARCHAR2      | 1             |
| OFFICE_NAME_CODE   |               | N          | VARCHAR2      | 2             |
| ROLLUP_REGION_NO   |               | N          | NUMBER        | 10,0          |
| ROLLUP_REGION_CODE |               | N          | VARCHAR2      | 6             |
| ROLLUP_DIST_NO     |               | N          | NUMBER        | 10,0          |
| ROLLUP_DIST_CODE   |               | N          | VARCHAR2      | 6             |
| EFFECTIVE_DATE     |               | N          | DATE          |               |
| EXPIRY_DATE        |               | N          | DATE          |               |
| UPDATE_TIMESTAMP   | AUDIT_DATE    | N          | DATE          |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE adds one or more CLNT\_RCVBL\_ACCT

MAY BE administers one or more CLNT\_RCVBL\_ACCT

MAY BE generates accounts receivables in one or more CLNT\_RCVBL\_ACCT

MAY BE updates one or more CLNT\_RCVBL\_ACCT

MAY BE issues one or more FOREST INVOICE

MAY BE is assigned an one and only one ORG CLIENT XREF

MAY BE manages one or more ORG MGMT UNIT

MAY BE administers one or more SEEDLOT

MAY BE administers one or more VEG LOT

MAY BE administers one or more VEG\_LOT\_AUDIT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|               |         |   |
|---------------|---------|---|
| I1\$_ORG_UNIT | Primary | N |
| ORG_UNIT_CODE |         |   |
| ORG_UNIT_NO   |         |   |
| I2\$_ORG_UNIT | Primary | N |
| ORG_UNIT_CODE |         |   |
| I3\$_ORG_UNIT | Primary | N |
| ORG_UNIT_NO   |         |   |
| ORG_UNIT_CODE |         |   |
| ORG_UNIT_NAME |         |   |
| LOCATION_CODE |         |   |
| TELEPHONE_NO  |         |   |

**Entity Name:** ORG UNIT (cont'd)*Short Name:*

OU1

*ORG\_LEVEL\_CODE**OFFICE\_NAME\_CODE*

ORG\_UNIT\_PK

*Primary Y**ORG\_UNIT\_NO*

**Entity Name:** PARENT TREE

Short Name:

PT

Plural: PARENT TREES

Init. Volume: 6000

Avg. Volume:

Max. Volume:

Annual Growth Rate: 5%

**Description:****Attributes:**

| <u>Name</u>                                                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * PARENT TREE ID                                                                                                  |               | N          | NUMBER        | 10            |
| A unique identifier for each Parent Tree.                                                                         |               |            |               |               |
| PARENT TREE NUMBER                                                                                                |               | N          | VARCHAR2      | 5             |
| The original registration number given to a Parent Tree in conjunction with a Species Code.                       |               |            |               |               |
| BC SOURCE IND                                                                                                     |               | Y          | VARCHAR2      | 1             |
| Indicates whether the selection originated from within or outside British Columbia.                               |               |            |               |               |
| SELECTION DATE                                                                                                    |               | Y          | DATE          |               |
| The year in which the Parent Tree was selected for use in the breeding program.                                   |               |            |               |               |
| COMMENT                                                                                                           |               | Y          | VARCHAR2      | 2000          |
| A free format text description of the selection of the Parent Tree and reasons for selection of that Parent Tree. |               |            |               |               |
| TESTED IND                                                                                                        |               | Y          | VARCHAR2      | 1             |
| Indicates whether the parent tree selection is tested or untested.                                                |               |            |               |               |
| BREEDING PROGRAM IND                                                                                              |               | Y          | VARCHAR2      | 1             |
| ACTIVE IND                                                                                                        |               | Y          | VARCHAR2      | 1             |
| Indicates whether the parent tree selection is active or inactive.                                                |               |            |               |               |
| LOCAL NUMBER                                                                                                      |               | Y          | VARCHAR2      | 20            |
| A number that has historically been used to identify a Parent Tree.                                               |               |            |               |               |
| ENTRY USERID                                                                                                      |               | N          | VARCHAR2      | 30            |
| The userid of the individual who entered the Parent Tree on the system.                                           |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                   |               | N          | DATE          |               |
| The time and date that the Parent Tree was entered on the system.                                                 |               |            |               |               |
| UPDATE USERID                                                                                                     |               | N          | VARCHAR2      | 30            |
| The userid of the individual who last updated the Parent Tree on the system.                                      |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                  |               | N          | DATE          |               |
| The time and date that the Parent Tree was last updated on the system.                                            |               |            |               |               |
| REVISION COUNT                                                                                                    |               | N          | NUMBER        | 5             |
| A counter used to ensure data integrity. This item should be incremented during each update.                      |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE female parent to one and only one BREEDING PROGRAM

MAY BE male parent to one and only one BREEDING PROGRAM

MAY BE selected by one and only one CLIENT LOCATION

MAY BE selected for one or more PARENT TREE GENETIC TRAITS

MAY BE produced by one or more PARENT TREE ORCHARDS

MUST BE described by one and only one PARENT TREE REG STATUS CODE

MAY BE may be used in one or more PARENT TREE SEED PLAN UNITS

MAY BE composes one or more SEEDLOT PARENT TREE

MAY BE contributes to one or more SEEDLOT PARENT TREE

MAY BE contributes to one or more SMP MIX

MAY BE contributes to one or more VEG LOT PARENT TREES

|                     |                      |                    |    |
|---------------------|----------------------|--------------------|----|
| <b>Entity Name:</b> | PARENT TREE (cont'd) | <i>Short Name:</i> | PT |
|---------------------|----------------------|--------------------|----|

MUST BE described by one and only one VEGETATION CODE  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                       |         |   |
|-------------------------------------------------------|---------|---|
| PT2                                                   | Primary | N |
| PARENT TREE NUMBER                                    |         |   |
| MUST BE described by one and only one VEGETATION CODE |         |   |
| PT                                                    | Primary | Y |
| PARENT TREE ID                                        |         |   |

Notes:

PARENT TREE SUBSYSTEM

Subtypes:

BREEDING PROGRAM  
NATURAL STAND

**Entity Name:** PARENT TREE GENETIC QUALITY**Short Name:**

PTGQ

**Plural:** PARENT TREE GENETIC QUALITIES**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:****Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * GENETIC QUALITY ID                                                                                                                                                                                                                                       |               | N NUMBER                 | 10            |
| ASSESSMENT AGE                                                                                                                                                                                                                                             |               | N NUMBER                 | 3             |
| The age in number of years of the assessment (commencing from year of sowing to year of measurement)                                                                                                                                                       |               |                          |               |
| ASSESSMENT YEAR                                                                                                                                                                                                                                            |               | N NUMBER                 | 4             |
| The year that the genetic quality was assessed.                                                                                                                                                                                                            |               |                          |               |
| GENETIC QUALITY VALUE                                                                                                                                                                                                                                      |               | N NUMBER                 | 4,1           |
| The genetic quality value based on the test assessment for a Parent Tree from a test no. and series.                                                                                                                                                       |               |                          |               |
| GENETIC WORTH CALC IND                                                                                                                                                                                                                                     |               | N VARCHAR2               | 1             |
| Indicates that the GQ value will be used in Genetic Worth calculations if the associated Parent Tree is used in Seedlot composition. Only one GQ Value can be designated as such per unique combination of Seed Plan Unit, Genetic Type and Genetic Trait. |               |                          |               |
| ENTRY TIMESTAMP                                                                                                                                                                                                                                            |               | Y DATE                   |               |
| ENTRY USERID                                                                                                                                                                                                                                               |               | Y VARCHAR2               | 30            |
| UPDATE TIMESTAMP                                                                                                                                                                                                                                           |               | Y DATE                   |               |
| UPDATE USERID                                                                                                                                                                                                                                              |               | Y VARCHAR2               | 30            |
| REVISION COUNT                                                                                                                                                                                                                                             |               | Y NUMBER                 | 5             |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE described by one and only one GENETIC TYPE CODE

MUST BE described by one and only one GENETIC WORTH CODE

MUST BE tested for use in primary zone defined one and only one PARENT TREE SEED PLAN UNIT

MUST BE tested in one and only one RESEARCH TEST SERIES

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

PTGQ

Primary Y

GENETIC QUALITY ID

**Notes:**

PARENT TREE SUBSYSTEM

|                                               |                            |              |                     |
|-----------------------------------------------|----------------------------|--------------|---------------------|
| <b>Entity Name:</b> PARENT TREE GENETIC TRAIT |                            | Short Name:  | PTGT                |
| Plural:                                       | PARENT TREE GENETIC TRAITS |              |                     |
| Init. Volume:                                 | Avg. Volume:               | Max. Volume: | Annual Growth Rate: |

Description:

Resolves PARENT TREE and GENETIC WORTH CODE

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

- Relationships:
- Each Occurrence Of This Entity:
- \* MUST BE selected for one and only one GENETIC WORTH CODE
  - \* MUST BE describes selection one and only one PARENT TREE
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                          |         |   |
|----------------------------------------------------------|---------|---|
| PTGT                                                     | Primary | Y |
| MUST BE describes selection one and only one PARENT TREE |         |   |
| MUST BE selected for one and only one GENETIC WORTH CODE |         |   |

Notes:

PARENT TREE SUBSYSTEM

|                                         |                      |                     |                            |        |
|-----------------------------------------|----------------------|---------------------|----------------------------|--------|
| <b>Entity Name:</b> PARENT TREE ORCHARD |                      |                     | <b>Short Name:</b>         | PTORCH |
| <b>Plural:</b>                          | PARENT TREE ORCHARDS |                     |                            |        |
| <b>Init. Volume:</b>                    | <b>Avg. Volume:</b>  | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |        |

*Description:*

Manages the association between Orchards and Parent Trees.

*Attributes:*

| <u>Name</u>                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| NUMBER OF RAMETS                                                             |               | Y          | NUMBER        | 3             |
| The number of Parent Tree ramets within an Orchard.                          |               |            |               |               |
| ENTRY USERID                                                                 |               | N          | VARCHAR2      | 30            |
| ENTRY TIMESTAMP                                                              |               | N          | DATE          |               |
| UPDATE USERID                                                                |               | N          | VARCHAR2      | 240           |
| The userid of the individual who last updated the Parent Tree on the system. |               |            |               |               |
| UPDATE TIMESTAMP                                                             |               | N          | DATE          |               |
| The time and date that the Parent Tree was last updated on the system.       |               |            |               |               |
| REVISION COUNT                                                               |               | N          | NUMBER        | 5             |
| * = Attributes in primary unique identifier.                                 |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

- \* MUST BE produced by one and only one ORCHARD
- \* MUST BE produces one and only one PARENT TREE

MAY BE composed of one or more VEG LOT PARENT TREES

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|     |         |   |
|-----|---------|---|
| PTO | Primary | Y |
|-----|---------|---|

MUST BE produces one and only one PARENT TREE

MUST BE produced by one and only one ORCHARD

*Notes:*

PARENT TREE SUBSYSTEM

|                                                 |                              |                     |                            |       |
|-------------------------------------------------|------------------------------|---------------------|----------------------------|-------|
| <b>Entity Name:</b> PARENT TREE REG STATUS CODE |                              |                     | <b>Short Name:</b>         | PTRSC |
| <b>Plural:</b>                                  | PARENT TREE REG STATUS CODES |                     |                            |       |
| <b>Init. Volume:</b>                            | <b>Avg. Volume:</b>          | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |       |

Description:

Describes the status of the Parent Tree registration

Attributes:

| <u>Name</u>                                                                                          | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * PARENT TREE REG STATUS CODE                                                                        |                     | N          | VARCHAR2      | 3             |
| The code that indicates the status of the Parent Tree registration                                   |                     |            |               |               |
| DESCRIPTION                                                                                          | DESCRIPTION         | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code.                                                  |                     |            |               |               |
| EFFECTIVE DATE                                                                                       | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| The associated values are available for use beginning on this date and time.                         |                     |            |               |               |
| EXPIRY DATE                                                                                          | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| The associated values are no longer available for use as of this date and time.                      |                     |            |               |               |
| UPDATE TIMESTAMP                                                                                     |                     | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                     |            |               |               |
| * = Attributes in primary unique identifier.                                                         |                     |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more PARENT TREES

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                             |         |   |
|-----------------------------|---------|---|
| PTRSC                       | Primary | Y |
| PARENT TREE REG STATUS CODE |         |   |

Notes:

PARENT TREE SUBSYSTEM

|                                                |                             |                     |                            |       |
|------------------------------------------------|-----------------------------|---------------------|----------------------------|-------|
| <b>Entity Name:</b> PARENT TREE SEED PLAN UNIT |                             |                     | <b>Short Name:</b>         | PTSPU |
| <b>Plural:</b>                                 | PARENT TREE SEED PLAN UNITS |                     |                            |       |
| <b>Init. Volume:</b>                           | <b>Avg. Volume:</b>         | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |       |

**Description:**  
Manages the association between Seed Plan Units and Parent Trees.

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

- Relationships:**  
Each Occurrence Of This Entity:
- \* MUST BE defines area of use for one and only one PARENT TREE  
MAY BE results record against primary one or more PARENT TREE GENETIC QUALITIES
  - \* MUST BE may be used in one and only one SEED PLAN UNIT  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|          |         |   |
|----------|---------|---|
| PTSPU_PK | Primary | Y |
|----------|---------|---|

MUST BE defines area of use for one and only one PARENT TREE  
MUST BE may be used in one and only one SEED PLAN UNIT

**Notes:**  
PARENT TREE SUBSYSTEM

|                                          |                      |                     |                            |                         |
|------------------------------------------|----------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> PLANTING SEASON CODE |                      |                     | <i>Short Name:</i>         | PSC                     |
| <i>Plural:</i>                           | PLANTING SEASON CODE |                     |                            |                         |
| <i>Init. Volume:</i>                     | 50                   | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                          |                      |                     | <i>Annual Growth Rate:</i> |                         |

Description:

A list of valid Activity Type Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * PLANTING_SEASON_CODE                       |               | N          | VARCHAR2      | 2             |
| A code describing various Planting Seasons.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains a code for one or more LATEST SOWING DATE
  - MAY BE contains a code for one or more SEASON RANGE
  - MAY BE contains a code for one or more SPAR REQUEST
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| PLANTING_SEASON_CODE_PK | Primary | Y |
| PLANTING_SEASON_CODE    |         |   |

|                                                    |                                |                     |                            |      |
|----------------------------------------------------|--------------------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> POLLEN CONTAMINATION MTHD CODE |                                |                     | <b>Short Name:</b>         | PCMC |
| <b>Plural:</b>                                     | POLLEN CONTAMINATION MTHD CODE |                     |                            |      |
| <b>Init. Volume:</b>                               | <b>Avg. Volume:</b>            | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |

Description:

Attributes:

| <u>Name</u>                                                                                                              | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * POLLEN CONTAMINATION MTHD CODE<br>Code that describes the pollen contamination method                                  |                     | N          | VARCHAR2      | 3             |
| DESCRIPTION<br>The description associated with an affiliated code.                                                       | DESCRIPTION         | N          | VARCHAR2      | 120           |
| EFFECTIVE DATE<br>The associated values are available for use beginning on this date and time.                           | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| EXPIRY DATE<br>The associated values are no longer available for use as of this date and time.                           | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| UPDATE TIMESTAMP<br>The Date and Time associated with adding, approving or updating the changes to an associated record. | AUDIT_TIMESTAMP     | N          | DATE          |               |
| * = Attributes in primary unique identifier.                                                                             |                     |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SEEDLOT

MAY BE contains a code for one or more SEEDLOT AUDIT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                |         |   |
|--------------------------------|---------|---|
| PCMC                           | Primary | Y |
| POLLEN CONTAMINATION MTHD CODE |         |   |

**Entity Name:** PROV FOREST USE

Short Name:

FF

Plural: PROV FOREST USE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

General header information to identify the type of forest land use managed by the Ministry of Forests (eg., timber tenures, grazing tenures, recreation files, forest service roads, etc.). This is the main access point for examining land use information. Recommend that this entity be renamed to FOREST TENURE or FOREST FILE in the future (TF - this needs more analysis to determine what is indentified in this entity - licence, permit, etc and if all rights identified belong here).

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * FOREST FILE ID                                                                                                                                                                                                                                                                                                                               |               | Y          | VARCHAR2      | 10            |
| File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.                                                                                                                                                                                                         |               |            |               |               |
| MGMT UNIT ID                                                                                                                                                                                                                                                                                                                                   |               | Y          | VARCHAR2      | 4             |
| The administrative management unit identifier defined by the ministry for managing the forest tenure, eg. 41 - Dawson Creek TSA.                                                                                                                                                                                                               |               |            |               |               |
| FILE STATUS DATE                                                                                                                                                                                                                                                                                                                               |               | Y          | DATE          |               |
| The date on which the current forest land use status was set.                                                                                                                                                                                                                                                                                  |               |            |               |               |
| DISTRICT ADMIN ZONE                                                                                                                                                                                                                                                                                                                            |               | Y          | VARCHAR2      | 4             |
| District Admin Zone is a free format field used internally by the districts to group files within a district for reporting purposes. Examples of use are setting the field to a geographic area or to a persons initials. Reports can be pulled off by District Admin Zone to aid work management.<br>This field is not used by all districts. |               |            |               |               |
| MARK DESIGNATE                                                                                                                                                                                                                                                                                                                                 |               | Y          | VARCHAR2      | 4             |
| System generated code used as a prefix for the Timber Mark                                                                                                                                                                                                                                                                                     |               |            |               |               |
| MAXIMUM VOLUME                                                                                                                                                                                                                                                                                                                                 |               | Y          | NUMBER        | 9             |
| Maximum allowable volume for the licence. Entered upon licence creation.                                                                                                                                                                                                                                                                       |               |            |               |               |
| SCHEDULE A AREA                                                                                                                                                                                                                                                                                                                                |               | Y          | NUMBER        | 11,4          |
| Private land area remaining under the licence.                                                                                                                                                                                                                                                                                                 |               |            |               |               |
| SCHEDULE B AREA                                                                                                                                                                                                                                                                                                                                |               | Y          | NUMBER        | 11,4          |
| Crown land area remaining under the licence.                                                                                                                                                                                                                                                                                                   |               |            |               |               |
| REVISION COUNT                                                                                                                                                                                                                                                                                                                                 |               | N          | NUMBER        | 5,0           |
| A count of the number of times an entry in the entity has been modified.<br>Used to validate if the current information displayed on a user's web browser is the most current.                                                                                                                                                                 |               |            |               |               |
| ENTRY USERID                                                                                                                                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 30            |
| The unique user id of the resource who initially added the entry.                                                                                                                                                                                                                                                                              |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                                                                                                                                                                                                                |               | N          | DATE          |               |
| Timestamp when the event information was entered.                                                                                                                                                                                                                                                                                              |               |            |               |               |
| UPDATE USERID                                                                                                                                                                                                                                                                                                                                  |               | N          | VARCHAR2      | 30            |
| The userid of the individual who last updated this information.                                                                                                                                                                                                                                                                                |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                                                                                                                                                                                                               |               | N          | DATE          |               |
| The date and time of the last update.                                                                                                                                                                                                                                                                                                          |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE timber removed by one or more HAULING AUTHORITY

\* = Relationships in primary unique identifier.

|              |                          |             |    |
|--------------|--------------------------|-------------|----|
| Entity Name: | PROV FOREST USE (cont'd) | Short Name: | FF |
|--------------|--------------------------|-------------|----|

Unique Identifiers:

FF

Primary Y

FOREST FILE ID

**Entity Name:** REGISTRATION STANDARD

Short Name:

RS3

Plural: REGISTRATION STANDARD

Init. Volume: 4

Avg. Volume: 5

Max. Volume: 100

Annual Growth Rate:

**Description:**

Defines the standards required for seedlot registration for crown land reforestration.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                         | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * REGISTRATION_STANDARD_SKEY                                                                                                                                                                                        |                 | N          | NUMBER        | 10,0          |
| VEGETATION_CODE                                                                                                                                                                                                     | VEGETATION_CODE | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                 |                 |            |               |               |
| GENETIC_CLASS_CODE                                                                                                                                                                                                  |                 | N          | VARCHAR2      | 1             |
| A code which represents the genetic quality of material (seed or cuttings). 'A' class represents genetically improved orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings. |                 |            |               |               |
| SEEDLOT_TEST_CODE                                                                                                                                                                                                   |                 | N          | VARCHAR2      | 3             |
| A code which represents the type of test that was performed against a seed lot.                                                                                                                                     |                 |            |               |               |
| EFFECTIVE_DATE                                                                                                                                                                                                      |                 | N          | DATE          |               |
| The effective date the registration standard is in effect.                                                                                                                                                          |                 |            |               |               |
| EXPIRY_DATE                                                                                                                                                                                                         |                 | Y          | DATE          |               |
| The date the registration standard expires.                                                                                                                                                                         |                 |            |               |               |
| MIN_STANDARD                                                                                                                                                                                                        |                 | N          | NUMBER        | 5,1           |
| The minimum standard                                                                                                                                                                                                |                 |            |               |               |
| MAX_STANDARD                                                                                                                                                                                                        |                 | N          | NUMBER        | 5,1           |
| The maximum standard                                                                                                                                                                                                |                 |            |               |               |
| STD_UNIT_MEASURE_CODE                                                                                                                                                                                               |                 | N          | VARCHAR2      | 3             |
| The standard unit of measurement for a registration standard                                                                                                                                                        |                 |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                      | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                        |                 |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one GENETIC CLASS CODE

MUST BE is described by one and only one SEEDLOT TEST CODE

MUST BE is described by one and only one UNIT\_OF\_MEASURE\_CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

I1\$\_REGISTRATION\_STANDARD Primary N

VEGETATION\_CODE

GENETIC\_CLASS\_CODE

SEEDLOT\_TEST\_CODE

EFFECTIVE\_DATE

REGISTRATION\_STANDARD\_PK Primary Y

REGISTRATION\_STANDARD\_SKEY

**Entity Name:** REQUEST ITEM

Short Name:

RI

Plural: REQUEST ITEM

Init. Volume: 50000

Avg. Volume: 30000

Max. Volume: 150000

Annual Growth Rate:

**Description:**

A particular item within a request for which services are being requested.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                 | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * ITEM_ID                                                                                                                                                                                   |                 | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).                                                                                              |                 |            |               |               |
| STANDARD_WORKPLAN_SKEY                                                                                                                                                                      |                 | Y          | NUMBER        | 10,0          |
| A surrogate key which uniquely identifies a standard workplan.                                                                                                                              |                 |            |               |               |
| VEGETATION_CODE                                                                                                                                                                             | VEGETATION_CODE | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                         |                 |            |               |               |
| SAMPLE_ID                                                                                                                                                                                   |                 | Y          | VARCHAR2      | 5             |
| The identifier of a sample if it is not a seedlot.                                                                                                                                          |                 |            |               |               |
| FAMILY_LOT_NUMBER                                                                                                                                                                           |                 | Y          | VARCHAR2      | 13            |
| The unique alphanumeric (key) assigned to a quantity of seed or cones of a particular species and quality from a given location collected at a given time.                                  |                 |            |               |               |
| RQST_SDLNGS_RSRVD                                                                                                                                                                           |                 | N          | NUMBER        | 6,1           |
| The number, in thousands, of seedlings that were requested from an owner's Reserve portion of a lot.                                                                                        |                 |            |               |               |
| RQST_SDLNGS_SRPLS                                                                                                                                                                           |                 | N          | NUMBER        | 6,1           |
| The number, in thousands, of seedlings that were requested from an owner's Surplus portion of a lot.                                                                                        |                 |            |               |               |
| CONE_IND                                                                                                                                                                                    |                 | Y          | VARCHAR2      | 1             |
| An indicator which represents whether a sample is for cone ('Y' yes) or not ('N' no).                                                                                                       |                 |            |               |               |
| NO_OF_CONTAINERS                                                                                                                                                                            |                 | Y          | NUMBER        | 6,2           |
| The number of containers (sacks of cones/bags of seed) that are part of the request item.                                                                                                   |                 |            |               |               |
| NO_OF_CONES                                                                                                                                                                                 |                 | Y          | NUMBER        | 5,0           |
| The number of cones that are part of the request item if it is a sample.                                                                                                                    |                 |            |               |               |
| CONE_VOLUME                                                                                                                                                                                 |                 | Y          | NUMBER        | 6,2           |
| The total volume of cones, in hectolitres, that are part of the request item.                                                                                                               |                 |            |               |               |
| SEED_QUANTITY                                                                                                                                                                               |                 | Y          | NUMBER        | 10,0          |
| The total volume of seed, in grams, that are part of the request item.                                                                                                                      |                 |            |               |               |
| SAMPLE_ELEVATION                                                                                                                                                                            |                 | Y          | NUMBER        | 5,0           |
| The representative elevation in meters where the sample originated.                                                                                                                         |                 |            |               |               |
| REQUIRED_BY_DATE                                                                                                                                                                            |                 | Y          | DATE          |               |
| The date (year, month and day) on which the requestor would like the services completed.                                                                                                    |                 |            |               |               |
| LATEST_ACTIONED_DATE                                                                                                                                                                        |                 | Y          | DATE          |               |
| The latest date (year, month and day) for which any changes can be applied to the requested item before it is scheduled to be actioned.                                                     |                 |            |               |               |
| RCMNDED_SOWING_DATE                                                                                                                                                                         |                 | Y          | DATE          |               |
| The system's recommended date in the given sowing year for which sowing should take place for a Seedling Request.                                                                           |                 |            |               |               |
| SPCFIED_SOWING_DATE                                                                                                                                                                         |                 | Y          | DATE          |               |
| The date in the given sowing year which is specified by the assigned nursery for which sowing should take place for a Seedling Request. This date will override the recommended sowing day. |                 |            |               |               |
| TENDER_NUMBER                                                                                                                                                                               |                 | Y          | VARCHAR2      | 7             |
| A number assigned by Silviculture Branch which indicates the tender on which the request                                                                                                    |                 |            |               |               |

| <b>Entity Name:</b>   | REQUEST ITEM (cont'd)                                                                                                                                           | Short Name: | RI |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----|
|                       | item has been assigned.                                                                                                                                         |             |    |
| TENDER_BID_GROUP      | Y VARCHAR2                                                                                                                                                      | 3           |    |
|                       | An identifier within a Tender Number which is assigned by Silviculture Branch which indicates the part of a Tender on which the request item has been assigned. |             |    |
|                       | 2006-10-31 R.A.Robb (Rls 3.2)<br>- modified maxlength from 2 to 3                                                                                               |             |    |
| TENDER_ISSUED_DATE    | Y DATE                                                                                                                                                          |             |    |
|                       | The date (year, month and day) the request item was assigned to the Tender.                                                                                     |             |    |
| ASSIGNED_PRICE        | Y NUMBER                                                                                                                                                        | 6,2         |    |
|                       | The assigned price assigned from the tendering process.                                                                                                         |             |    |
| NRSRY_OBLIGATN_IND    | Y VARCHAR2                                                                                                                                                      | 1           |    |
|                       | An indicator which identifies whether or not a nursery assignment has been finalized and obligated.                                                             |             |    |
| FACILITY_CODE         | Y VARCHAR2                                                                                                                                                      | 2           |    |
|                       | A code which represents the type of facility that the seedlings will be grown in.                                                                               |             |    |
| AUTHORIZATION_CODE    | Y VARCHAR2                                                                                                                                                      | 3           |    |
|                       | a code which represents the form by which authority for the request was received.                                                                               |             |    |
| SRV_BLNG_CREATE_TS    | Y DATE                                                                                                                                                          |             |    |
|                       | The time and date when service billing rows were created for the Request Item.                                                                                  |             |    |
| SAMPLE_LOC_DESC       | Y VARCHAR2                                                                                                                                                      | 30          |    |
|                       | A free format text description of the location where the sample originated.                                                                                     |             |    |
| INTERIM_STORGE_LOC    | Y VARCHAR2                                                                                                                                                      | 50          |    |
|                       | The location where the Request Item will be stored before it reaches the location where the services are to be performed.                                       |             |    |
| AUTHORIZED_BY_PRSN    | Y VARCHAR2                                                                                                                                                      | 30          |    |
|                       | The name of the person who authorized the request.                                                                                                              |             |    |
| TEST_APPROVED_USERID  | Y VARCHAR2                                                                                                                                                      | 30          |    |
|                       | The date that the Request Test Services were approved for processing by the Tree Seed Centre.                                                                   |             |    |
|                       | 2006-04-20 R.A.Robb (Rls 02_06_00)<br>- added for PT#29148                                                                                                      |             |    |
| TEST_APPROVED_DATE    | Y DATE                                                                                                                                                          |             |    |
|                       | The userid of the user who approved the Request Test Services for processing at the Tree Seed Centre.                                                           |             |    |
|                       | 2006-04-20 R.A.Robb (Rls 02_06_00)<br>- added for PT#29148                                                                                                      |             |    |
| TEST_UPDATE_USERID    | Y VARCHAR2                                                                                                                                                      | 30          |    |
|                       | The userid of the user who last updated the Request Test Services for the Request Item.                                                                         |             |    |
|                       | 2006-04-20 R.A.Robb (Rls 02_06_00)<br>- added for PT#29148                                                                                                      |             |    |
| TEST_UPDATE_TIMESTAMP | Y DATE                                                                                                                                                          |             |    |
|                       | The date and time that Request Test Services for the Request Item were last updated.                                                                            |             |    |
|                       | 2006-04-20 R.A.Robb (Rls 02_06_00)<br>- added for PT#29148                                                                                                      |             |    |
| TEST_COMMENT          | Y VARCHAR2                                                                                                                                                      | 2000        |    |
|                       | A general comment about the Request Test Services for the Request Item.                                                                                         |             |    |
|                       | 2006-04-20 R.A.Robb (Rls 02_06_00)<br>- added for PT#29148                                                                                                      |             |    |

\* = Attributes in primary unique identifier.

## Relationships:

**Entity Name:** REQUEST ITEM (cont'd)

Short Name:

RI

Each Occurrence Of This Entity:

MAY BE is described by one and only one AUTHORIZATION CODE

MAY BE is satisfied by one or more BILLING OBLIGATION

MAY BE has seed extracted at one and only one CLIENT LOCATION

MAY BE is received by one and only one CLIENT LOCATION

MAY BE is extracted into one or more CNS EXTRACTION LOG

MAY BE ships one or more EXPECTED RECEIPT CONTENT

MAY BE is described by one and only one FACILITY CODE

MAY BE is assigned one and only one NURSERY LOCATION

MAY BE has reported one or more REQUEST ITEM ACTIVITY

MAY BE to one or more REQUEST ITEM GENETIC WORTH

MAY BE has one or more REQUEST OVERRIDE

MAY BE is satisfied by one or more REQUEST SEEDLOT

MAY BE has one or more REQUEST SERVICE

MAY BE is satisfied by one or more REQUEST TEST SERVICE

MAY BE is satisfied by one or more REQUEST VEGLOT

MAY BE described by one and only one SEEDLOT QA TEST STATUS CODE

MAY BE is satisfied by one or more SEEDLOT TRANSACTION

MAY BE generates one or more SERVICE BILLING

MAY BE has information provided by one or more SHIPMENT ITEM

\* MUST BE is a breakdown of one and only one SPAR REQUEST

MAY BE has services defined by one and only one STANDARD\_WORKPLAN

MAY BE satisfies one or more VEG LOT TRANSACTION

\* = Relationships in primary unique identifier.

Unique Identifiers:

I2\$\_REQUEST\_ITEM                      Primary    N

TENDER\_NUMBER

TENDER\_BID\_GROUP

ITEM\_ID

REQUEST\_ITEM\_PK                      Primary    Y

MUST BE is a breakdown of one and only one SPAR REQUEST

ITEM\_ID

Notes:

2006-10-31 R.A.Robb (Rls 3.2)

- modified TENDER BID GROUP maxlength from 2 to 3

|                                           |                       |                     |                            |                     |        |
|-------------------------------------------|-----------------------|---------------------|----------------------------|---------------------|--------|
| <b>Entity Name:</b> REQUEST ITEM ACTIVITY |                       |                     |                            | <b>Short Name:</b>  | RIA    |
| <b>Plural:</b>                            | REQUEST ITEM ACTIVITY |                     |                            |                     |        |
| <b>Init. Volume:</b>                      | 150000                | <b>Avg. Volume:</b> | 100000                     | <b>Max. Volume:</b> | 500000 |
|                                           |                       |                     | <b>Annual Growth Rate:</b> |                     |        |

**Description:**  
The status of a significant activity performed again an item.

| <b>Attributes:</b>                                                                                    |               |            |               |               |
|-------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| <u>Name</u>                                                                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
| * REQUEST_SKEY                                                                                        |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                               |               |            |               |               |
| * ITEM_ID                                                                                             |               | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).        |               |            |               |               |
| * STANDARD_ACTIVITY_ID                                                                                |               | N          | VARCHAR2      | 3             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).        |               |            |               |               |
| * SEQUENCE_NO                                                                                         |               | N          | NUMBER        | 5,0           |
| An assigned value which is used to order the activities performed against an item in a certain order. |               |            |               |               |
| ACTUAL_BEGIN_TS                                                                                       |               | Y          | DATE          |               |
| A timestamp which identifies when the activity was actually started.                                  |               |            |               |               |
| PLANNED_END_DATE                                                                                      |               | Y          | DATE          |               |
| The date when the activity is scheduled to end.                                                       |               |            |               |               |
| ACTUAL_END_TS                                                                                         |               | Y          | DATE          |               |
| A timestamp which identifies when the activity was actually completed.                                |               |            |               |               |
| REVISION_COUNT                                                                                        | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                          |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is a status for one and only one REQUEST ITEM  
MUST BE has workstep defined by one and only one STANDARD\_ACTIVITY  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
REQUEST\_ITEM\_ACTIVITY\_PK      Primary   Y  
    REQUEST\_SKEY  
    ITEM\_ID  
    STANDARD\_ACTIVITY\_ID  
    SEQUENCE\_NO

|                                                |                            |                     |                            |      |
|------------------------------------------------|----------------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> REQUEST ITEM GENETIC WORTH |                            |                     | <b>Short Name:</b>         | RIGW |
| <b>Plural:</b>                                 | REQUEST ITEM GENETIC WORTH |                     |                            |      |
| <b>Init. Volume:</b>                           | <b>Avg. Volume:</b>        | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |

Description:

Attributes:

| <u>Name</u>        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------|---------------|------------|---------------|---------------|
| GENETIC WORTH RTNG |               | N          | NUMBER        | 5             |
| ENTRY USERID       |               | N          | VARCHAR2      | 30            |
| ENTRY TIMESTAMP    |               | N          | DATE          |               |
| UPDATE USERID      |               | N          | VARCHAR2      | 30            |
| UPDATE TIMESTAMP   |               | N          | DATE          |               |
| REVISION_COUNT     |               | N          | NUMBER        | 5             |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE from one and only one GENETIC WORTH CODE
- \* MUST BE from one and only one REQUEST ITEM
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                  |         |   |
|--------------------------------------------------|---------|---|
| RIGW                                             | Primary | Y |
| MUST BE from one and only one REQUEST ITEM       |         |   |
| MUST BE from one and only one GENETIC WORTH CODE |         |   |

|                                      |                  |                     |                            |                     |       |
|--------------------------------------|------------------|---------------------|----------------------------|---------------------|-------|
| <b>Entity Name:</b> REQUEST OVERRIDE |                  |                     |                            | <b>Short Name:</b>  | RO    |
| <b>Plural:</b>                       | REQUEST OVERRIDE |                     |                            |                     |       |
| <b>Init. Volume:</b>                 | 0                | <b>Avg. Volume:</b> | 10000                      | <b>Max. Volume:</b> | 50000 |
|                                      |                  |                     | <b>Annual Growth Rate:</b> |                     |       |

**Description:**  
An override of the Transfer Guidelines or Sowing Rules for a requested seed lot or cutting lot.

**Attributes:**

| <u>Name</u>                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                 |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                        |               |            |               |               |
| * ITEM_ID                                                                                      |               | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z). |               |            |               |               |
| * ENTRY_TIMESTAMP                                                                              | AUDIT_DATE    | N          | DATE          |               |
| The time and date an override was entered onto the system.                                     |               |            |               |               |
| * ENTRY_TIMESTAMP_MS                                                                           |               | N          | NUMBER        | 6,0           |
| The millisecond portion an override was entered onto the system.                               |               |            |               |               |
| ENTRY_USERID                                                                                   | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the request override.                                |               |            |               |               |
| EXCEPTION_CAUSE_CODE                                                                           |               | N          | VARCHAR2      | 3             |
| A code which identifies the cause of the exception for which the override was supplied.        |               |            |               |               |
| REASON_DESC                                                                                    |               | N          | VARCHAR2      | 60            |
| The reason given for the override.                                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                   |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is described by one and only one EXCEPTION CAUSE CODE  
MUST BE is applied for one and only one REQUEST ITEM  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
REQUEST\_OVERRIDE\_PK                      Primary    Y  
    REQUEST\_SKEY  
    ITEM\_ID  
    ENTRY\_TIMESTAMP  
    ENTRY\_TIMESTAMP\_MS

|                                      |                  |                     |                            |                        |
|--------------------------------------|------------------|---------------------|----------------------------|------------------------|
| <b>Entity Name:</b> REQUEST PREP DAY |                  |                     | <b>Short Name:</b>         | RPD                    |
| <b>Plural:</b>                       | REQUEST PREP DAY |                     |                            |                        |
| <b>Init. Volume:</b>                 | 12               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 12 |
|                                      |                  |                     | <b>Annual Growth Rate:</b> |                        |

*Description:*

A table used to look up the number of days needed to process a Seedling Request at Silviculture Branch and at the Tree Seed Centre based on the time of year.

*Attributes:*

| <u>Name</u>                                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * MONTH_OF_YEAR                                                                              |               | N          | VARCHAR2      | 2             |
| The number representation for the month in a year.                                           |               |            |               |               |
| BRANCH_PREP_DAYS                                                                             |               | N          | NUMBER        | 5,0           |
| The number of days in a given month that it takes Silviculture Branch to process a request.  |               |            |               |               |
| TSC_PREP_DAYS                                                                                |               | N          | NUMBER        | 5,0           |
| The number of days in a given month that it takes the Tree Seed Centre to process a request. |               |            |               |               |
| REVISION_COUNT                                                                               | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                 |               |            |               |               |

*Unique Identifiers:*

|                      |         |   |
|----------------------|---------|---|
| REQUEST_PREP_DAYS_PK | Primary | Y |
| MONTH_OF_YEAR        |         |   |

**Entity Name:** REQUEST SEEDLOT**Short Name:** RS**Plural:** REQUEST SEEDLOT**Init. Volume:** 50000**Avg. Volume:** 35000**Max. Volume:** 150000**Annual Growth Rate:****Description:**

A request for seed from or a transfer to a particular seed lot owned quantity. A seed sale or transfer will create both a 'from' and a 'to' record.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                                                                                                                                                     |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                                                                            |               |            |               |               |
| * ITEM_ID                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).                                                                                                                                     |               |            |               |               |
| * REQUEST_SEEDLOT_SKEY                                                                                                                                                                                                             |               | N          | NUMBER        | 10,0          |
| A sequentially assigned sequence number (surrogate key) to assist in uniquely identify an entry.                                                                                                                                   |               |            |               |               |
| SEEDLOT_NUMBER                                                                                                                                                                                                                     |               | Y          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                                        |               |            |               |               |
| CLIENT_NUMBER                                                                                                                                                                                                                      |               | Y          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| CLIENT_LOCN_CODE                                                                                                                                                                                                                   |               | Y          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| RQST_FROM_RESERVE                                                                                                                                                                                                                  |               | N          | NUMBER        | 10,0          |
| The actual amount requested from the balance of an owner's portion of reserved seed (grams).                                                                                                                                       |               |            |               |               |
| RQST_FROM_SURPLUS                                                                                                                                                                                                                  |               | N          | NUMBER        | 10,0          |
| The actual amount requested from the balance of an owner's portion of surplus seed (grams).                                                                                                                                        |               |            |               |               |
| RQST_TEST_RESERVE                                                                                                                                                                                                                  |               | N          | NUMBER        | 10,0          |
| The actual amount requested from the balance of an owner's portion of reserved seed (grams) for quality assurance testing within a seedling request.                                                                               |               |            |               |               |
| RQST_TEST_SURPLUS                                                                                                                                                                                                                  |               | N          | NUMBER        | 10,0          |
| The actual amount requested from the balance of an owner's portion of surplus seed (grams) for quality assurance testing within a seedling request.                                                                                |               |            |               |               |
| RQST_TO_RESERVE                                                                                                                                                                                                                    |               | N          | NUMBER        | 10,0          |
| The actual amount requested to be transferred to the balance of an owner's reserved portion of seed (grams).                                                                                                                       |               |            |               |               |
| RQST_TO_SURPLUS                                                                                                                                                                                                                    |               | N          | NUMBER        | 10,0          |
| The actual amount that was requested to be transferred to the balance of an owner's surplus portion of seed (grams).                                                                                                               |               |            |               |               |
| SEEDS_PER_CAVITY                                                                                                                                                                                                                   |               | Y          | NUMBER        | 3,1           |
| The number of seeds per cavity within a container that should be sown in order to produce a seedling.                                                                                                                              |               |            |               |               |
| SWNG_CRCTN_FACTOR                                                                                                                                                                                                                  |               | Y          | NUMBER        | 3,2           |
| An oversow factor which is used to calculate the number of cavities required to produce a given number of seedlings to account for nonproductive cavities.                                                                         |               |            |               |               |
| SEEDS_PER_BLOCK                                                                                                                                                                                                                    |               | Y          | NUMBER        | 5,0           |
| The number of seeds per block based on the container type and seeds per cavity, that are required in order to produce a given amount of seedlings based on the sowing rule to allow for spillage.                                  |               |            |               |               |

| <b>Entity Name:</b> REQUEST SEEDLOT (cont'd)                                                                                                                                                                                      |   |          | Short Name: | RS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|-------------|----|
| CAVITIES_PER_BLOCK                                                                                                                                                                                                                | Y | NUMBER   | 5,0         |    |
| The number of cavities per block based on the container type.                                                                                                                                                                     |   |          |             |    |
| GERMINATION_PCT                                                                                                                                                                                                                   | Y | NUMBER   | 5,0         |    |
| Germination of a seed in a laboratory test is the emergence and development from the seed embryo of those essential structures which are indicative of the ability to produce a normal plant under favourable nursery conditions. |   |          |             |    |
| PEAK_VALUE_GRM_PCT                                                                                                                                                                                                                | Y | NUMBER   | 5,0         |    |
| The peak germination percentage achieved in a certain number of days.                                                                                                                                                             |   |          |             |    |
| 2004-05-25 R.A.Robb                                                                                                                                                                                                               |   |          |             |    |
| - Added for PT#26641                                                                                                                                                                                                              |   |          |             |    |
| PEAK_VALUE_NO_DAYS                                                                                                                                                                                                                | Y | NUMBER   | 5,0         |    |
| The number of days to reach the peak value germination percentage.                                                                                                                                                                |   |          |             |    |
| 2004-05-25 R.A.Robb                                                                                                                                                                                                               |   |          |             |    |
| - Added for PT#26641                                                                                                                                                                                                              |   |          |             |    |
| VIABLE_SEEDS_METRE                                                                                                                                                                                                                | Y | NUMBER   | 5,0         |    |
| The number of viable seeds sown per metre of seed bed required to produce a given number of seedlings.                                                                                                                            |   |          |             |    |
| TREES_PER_METRE                                                                                                                                                                                                                   | Y | NUMBER   | 5,0         |    |
| The number of seedlings produced per metre of seed bed.                                                                                                                                                                           |   |          |             |    |
| COMMITMENT_IND                                                                                                                                                                                                                    | N | VARCHAR2 | 1           |    |
| An indicator used to define whether a request for seed is an outstanding commitment or not.                                                                                                                                       |   |          |             |    |
| SEEDLOT_TEST_CODE                                                                                                                                                                                                                 | Y | VARCHAR2 | 3           |    |
| A code which represents the type of test that was performed against a seed lot.                                                                                                                                                   |   |          |             |    |
| SOWING_METHOD_CODE                                                                                                                                                                                                                | Y | VARCHAR2 | 1           |    |
| A code which represents the type of sowing method/machine which is to be used.                                                                                                                                                    |   |          |             |    |
| * = Attributes in primary unique identifier.                                                                                                                                                                                      |   |          |             |    |

**Relationships:**Each Occurrence Of This Entity:

MAY BE is requested by one and only one CLIENT LOCATION

MUST BE is made for one and only one REQUEST ITEM

MUST BE makes adjustments for one and only one SEEDLOT

MAY BE is described by one and only one SEEDLOT TEST CODE

MAY BE is described by one and only one SOWING METHOD CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

I1\$ REQUEST\_SEEDLOT Primary N

REQUEST\_SKEY

ITEM\_ID

SEEDLOT\_NUMBER

CLIENT\_NUMBER

CLIENT\_LOCN\_CODE

REQUEST\_SEEDLOT\_PK Primary Y

REQUEST\_SKEY

ITEM\_ID

REQUEST\_SEEDLOT\_SKEY

**Notes:**

2004-05-25 R.A.Robb

- Added PEAK\_VALUE\_GRM\_PCT and PEAK\_VALUE\_NO\_DAYS for PT#26641

**Entity Name:** REQUEST SEQUENCE*Short Name:*

RS2

*Plural:* REQUEST SEQUENCE*Init. Volume:* 200*Avg. Volume:* 60*Max. Volume:* 500*Annual Growth Rate:***Description:**

A table used to identify the next request sequence number that will be used to identify a Spar request. For a Seedling Request it is assigned within the sowing year and org unit. For other requests they are assigned within Request Type and Request Year.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_TYPE_CODE                                                                                                                                                                                                     |               | N          | VARCHAR2      | 3             |
| A code which represents the type of request transaction.                                                                                                                                                                |               |            |               |               |
| * REQUEST_YEAR                                                                                                                                                                                                          |               | N          | NUMBER        | 5,0           |
| The year in which the requested services should be provided.                                                                                                                                                            |               |            |               |               |
| * SOWING_YEAR                                                                                                                                                                                                           |               | N          | NUMBER        | 5,0           |
| The year in which the seed is sown to produce seedlings.                                                                                                                                                                |               |            |               |               |
| * ORG_UNIT_NO                                                                                                                                                                                                           |               | N          | NUMBER        | 10,0          |
| Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes". |               |            |               |               |
| REQUEST_SEQUENCE                                                                                                                                                                                                        |               | N          | NUMBER        | 5,0           |
| A sequentially assigned identifier for the request. For a seedling request it is assigned within the sowing year and org unit. For other requests it is assigned within the Request Type and Request Year.              |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                          | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                            |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                            |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one REQUEST TYPE CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

REQUEST\_SEQUENCE\_PK      Primary   Y

REQUEST\_TYPE\_CODE

REQUEST\_YEAR

SOWING\_YEAR

ORG\_UNIT\_NO

|                                     |                 |                     |        |                            |        |
|-------------------------------------|-----------------|---------------------|--------|----------------------------|--------|
| <b>Entity Name:</b> REQUEST SERVICE |                 |                     |        | <b>Short Name:</b>         | RS1    |
| <b>Plural:</b>                      | REQUEST SERVICE |                     |        |                            |        |
| <b>Init. Volume:</b>                | 0               | <b>Avg. Volume:</b> | 120000 | <b>Max. Volume:</b>        | 500000 |
|                                     |                 |                     |        | <b>Annual Growth Rate:</b> |        |

**Description:**  
A requested service to be performed on a request item.

**Attributes:**

| <u>Name</u>                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                 |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                        |               |            |               |               |
| * ITEM_ID                                                                                      |               | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z). |               |            |               |               |
| * SEED_SERVICE_ID                                                                              |               | N          | VARCHAR2      | 3             |
| An identifier which represents the type of service which is being requested to be performed.   |               |            |               |               |
| SEQUENCE_NO                                                                                    |               | N          | NUMBER        | 5,0           |
| An assigned value which is used to order the services being requested in a certain order.      |               |            |               |               |
| * = Attributes in primary unique identifier.                                                   |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is for one and only one REQUEST ITEM  
MUST BE has service defined by one and only one SEED RELATED SERVICE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
REQUEST\_SERVICE\_PK                      Primary   Y  
    REQUEST\_SKEY  
    ITEM\_ID  
    SEED\_SERVICE\_ID

|                                          |                      |                     |                            |                     |        |
|------------------------------------------|----------------------|---------------------|----------------------------|---------------------|--------|
| <b>Entity Name:</b> REQUEST TEST SERVICE |                      |                     |                            | <b>Short Name:</b>  | RTS    |
| <b>Plural:</b>                           | REQUEST TEST SERVICE |                     |                            |                     |        |
| <b>Init. Volume:</b>                     | 0                    | <b>Avg. Volume:</b> | 2000                       | <b>Max. Volume:</b> | 100000 |
|                                          |                      |                     | <b>Annual Growth Rate:</b> |                     |        |

**Description:**  
A requested test to be performed on a request item in addition to the services provided by the standard workplan.

**Attributes:**

| <u>Name</u>                                                                                                                                                            | <u>Domain</u>     | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                                                                                         |                   | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                |                   |            |               |               |
| * ITEM_ID                                                                                                                                                              |                   | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).                                                                         |                   |            |               |               |
| * SEEDLOT_TEST_CODE                                                                                                                                                    | SEEDLOT_TEST_CODE | N          | VARCHAR2      | 3             |
| A code which represents the type of test that was performed against a seed lot.                                                                                        |                   |            |               |               |
| RETEST_DUE_DATE                                                                                                                                                        |                   | Y          | DATE          |               |
| The date that the Test became due for retesting as directed by the Tree Seed Centre's Retesting Policy.                                                                |                   |            |               |               |
| RETEST_CANCEL_IND                                                                                                                                                      |                   | Y          | VARCHAR2      | 1             |
| Used to indicate that the Seed Lot Test Code is no longer to be considered a candidate for retesting of the Seed Lot (RETEST_CANCEL_IND = 'Y').                        |                   |            |               |               |
| QTY_RESERVED                                                                                                                                                           |                   | N          | NUMBER        | 10,0          |
| The amount of seed in grams from an owner's portion of a seed lot that has been declared reserved. The reserved portion can only be requested by the seed lot's owner. |                   |            |               |               |
| QTY_SURPLUS                                                                                                                                                            |                   | N          | NUMBER        | 10,0          |
| The amount of seed in grams from an owner's portion of a seed lot that has been declared surplus. Surplus amounts may be requested by anyone.                          |                   |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                           |                   |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is provided for one and only one REQUEST ITEM  
MUST BE is described by one and only one SEEDLOT TEST CODE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
REQUEST\_TEST\_SERVICE\_PK      Primary   Y  
    REQUEST\_SKEY  
    ITEM\_ID  
    SEEDLOT\_TEST\_CODE

|                                       |                   |              |                     |                  |
|---------------------------------------|-------------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> REQUEST TYPE CODE |                   |              | Short Name:         | RTC              |
| Plural:                               | REQUEST TYPE CODE |              |                     |                  |
| Init. Volume:                         | 50                | Avg. Volume: | 5                   | Max. Volume: 250 |
|                                       |                   |              | Annual Growth Rate: |                  |

Description:

A list of valid Request Type Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_TYPE_CODE                          |               | N          | VARCHAR2      | 3             |
| A code describing various Request Types.     |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more BILLING ITEM

MAY BE contains a code for one or more REQUEST SEQUENCE

MAY BE contains a code for one or more SPAR REQUEST

MAY BE contains a code for one or more STANDARD\_SERVICE

MAY BE contains a code for one or more STANDARD\_WORKPLAN

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                      |         |   |
|----------------------|---------|---|
| REQUEST_TYPE_CODE_PK | Primary | Y |
| REQUEST_TYPE_CODE    |         |   |

**Entity Name:** REQUEST VEGLOT

Short Name:

RV

Plural: REQUEST VEGLOT

Init. Volume: 0

Avg. Volume: 1000

Max. Volume: 5000

Annual Growth Rate:

**Description:**

A request for cuttings from a particular lot.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * REQUEST_SKEY                                                                                                                                                                                                                     |               | N NUMBER                 | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                                                                            |               |                          |               |
| * ITEM_ID                                                                                                                                                                                                                          |               | N VARCHAR2               | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).                                                                                                                                     |               |                          |               |
| * VEG_LOT_ID                                                                                                                                                                                                                       |               | N VARCHAR2               | 5             |
| The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.                                                                                          |               |                          |               |
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N VARCHAR2               | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |                          |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N VARCHAR2               | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |                          |               |
| * CUTTING_PRDCTN_YEAR                                                                                                                                                                                                              | YEARS         | N NUMBER                 | 4,0           |
| The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.                                                                                                      |               |                          |               |
| * CTNG_AGE_CLASS_CODE                                                                                                                                                                                                              |               | N VARCHAR2               | 1             |
| A code which represents the age range for a group of cuttings from a particular cutting lot.                                                                                                                                       |               |                          |               |
| ROOTING_SUCCESS_FCTR                                                                                                                                                                                                               |               | N NUMBER                 | 5,0           |
| The percentage of total cuttings that are expected to produce acceptable rooted seedlings.                                                                                                                                         |               |                          |               |
| CTNG_FROM_RESERVE                                                                                                                                                                                                                  |               | N NUMBER                 | 7,1           |
| The actual amount requested from the balance of an owner's portion of reserved cuttings.                                                                                                                                           |               |                          |               |
| CTNG_FROM_SURPLUS                                                                                                                                                                                                                  |               | N NUMBER                 | 7,1           |
| The actual amount requested from the balance of an owner's portion of surplus cuttings.                                                                                                                                            |               |                          |               |
| COMMITMENT_IND                                                                                                                                                                                                                     |               | N VARCHAR2               | 1             |
| An indicator used to define whether a request for cuttings is an outstanding commitment or not.                                                                                                                                    |               |                          |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one CUTTING\_AGE\_CLASS\_CODE

MUST BE is made for one and only one REQUEST ITEM

MUST BE makes a commitment against one and only one VEG LOT OWNER QUANTITY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

REQUEST\_VEGLOT\_PK Primary Y

REQUEST\_SKEY

ITEM\_ID

VEG\_LOT\_ID

CLIENT\_NUMBER

CLIENT\_LOCN\_CODE

CUTTING\_PRDCTN\_YEAR

CTNG\_AGE\_CLASS\_CODE

|                                      |                     |                     |                            |       |
|--------------------------------------|---------------------|---------------------|----------------------------|-------|
| <b>Entity Name:</b> RESEARCH PROJECT |                     |                     | <b>Short Name:</b>         | RPROJ |
| <b>Plural:</b>                       | RESEARCH PROJECT    |                     |                            |       |
| <b>Init. Volume:</b>                 | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |       |

Description:

A project undertaken by the Research Branch at the Ministry of Forests. The definition of project in this context is quite liberal and can include such things as experiments, trials, inventory, classifications, product development and others.

Attributes:

| <u>Name</u>                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------|---------------|------------|---------------|---------------|
| * RESEARCH PROJECT ID       |               | N          | NUMBER        | 10            |
| RESEARCH PROJECT NAME       |               | N          | VARCHAR2      | 255           |
| PROJECT ROOT                |               | N          | VARCHAR2      | 100           |
| SUB EP                      |               | Y          | VARCHAR2      | 100           |
| RESEARCH PROJECT SHORT NAME |               | Y          | VARCHAR2      | 100           |
| PROJECT DESCRIPTION         |               | Y          | VARCHAR2      | 255           |
| ENTRY USERID                |               | N          | VARCHAR2      | 30            |
| ENTRY TIMESTAMP             |               | N          | DATE          |               |
| UPDATE USERID               |               | N          | VARCHAR2      | 30            |
| UPDATE TIMESTAMP            |               | N          | DATE          |               |
| REVISION COUNT              |               | N          | NUMBER        | 5             |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE conducts one or more RESEARCH TESTS

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                     |         |   |
|---------------------|---------|---|
| RPROJ               | Primary | Y |
| RESEARCH PROJECT ID |         |   |

Notes:

RESEARCH

**Entity Name:** RESEARCH TEST

Short Name:

RTEST

Plural: RESEARCH TESTS

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:****Attributes:**

| <u>Name</u>                                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * RESEARCH TEST ID                                                                                |               | N          | NUMBER        | 10            |
| LOCAL TEST NUMBER                                                                                 |               | N          | VARCHAR2      | 20            |
| The local identification number of the test (this should apply to Non-Ministry Client Tests also) |               |            |               |               |
| LOCAL TEST NAME                                                                                   |               | Y          | VARCHAR2      | 50            |
| The local identification name of the test (this should apply to Non-Ministry Client Tests also).  |               |            |               |               |
| TEST COMMENT                                                                                      |               | Y          | VARCHAR2      | 4000          |
| Any details related to the Research Test that cannot be described better another attribute.       |               |            |               |               |
| ENTRY USERID                                                                                      |               | Y          | VARCHAR2      | 30            |
| The userid of the individual who entered the Test on the system.                                  |               |            |               |               |
| ENTRY TIMESTAMP                                                                                   |               | Y          | DATE          |               |
| The time and date that the Parent Tree was entered on the system.                                 |               |            |               |               |
| UPDATE USERID                                                                                     |               | Y          | VARCHAR2      | 30            |
| The userid of the individual who last updated the Parent Tree on the system.                      |               |            |               |               |
| UPDATE TIMESTAMP                                                                                  |               | Y          | DATE          |               |
| The time and date that the Parent Tree was last updated on the system.                            |               |            |               |               |
| REVISION COUNT                                                                                    |               | Y          | NUMBER        | 5             |
| A counter used to ensure data integrity. This item should be incremented during each update.      |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE conducted under one and only one RESEARCH PROJECT

or MAY BE conducted by one and only one CLIENT LOCATION

MAY BE consists of one or more RESEARCH TEST SERIES

MAY BE described by one and only one RESEARCH TEST TYPE CODE

MUST BE species defined by one and only one VEGETATION CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

RTEST

Primary Y

RESEARCH TEST ID

**Notes:**

PARENT TREE SUBSYSTEM

|                                          |                      |                     |                            |      |
|------------------------------------------|----------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> RESEARCH TEST SERIES |                      |                     | <b>Short Name:</b>         | RSER |
| <b>Plural:</b>                           | RESEARCH TEST SERIES |                     |                            |      |
| <b>Init. Volume:</b>                     | <b>Avg. Volume:</b>  | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |

Description:

Attributes:

| <u>Name</u>                                                                                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * RESEARCH TEST SERIES NUMBER                                                                                                                                  |               | N          | VARCHAR2      | 1             |
| TEST PLANT YEAR                                                                                                                                                |               | Y          | NUMBER        | 4             |
| The year in which the test was planted.                                                                                                                        |               |            |               |               |
| RESEARCH TEST SERIES COMMENT                                                                                                                                   |               | Y          | VARCHAR2      | 4000          |
| Provides information about a Research Test Series that cannot be adequately described by another attribute. May describe the criteria for creating the Series. |               |            |               |               |
| ENTRY USERID                                                                                                                                                   |               | N          | VARCHAR2      | 30            |
| ENTRY TIMESTAMP                                                                                                                                                |               | N          | DATE          |               |
| UPDATE USERID                                                                                                                                                  |               | N          | VARCHAR2      | 30            |
| UPDATE TIMESTAMP                                                                                                                                               |               | N          | DATE          |               |
| REVISION COUNT                                                                                                                                                 |               | N          | NUMBER        | 5             |
| * = Attributes in primary unique identifier.                                                                                                                   |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

|                                                 |                                |                               |
|-------------------------------------------------|--------------------------------|-------------------------------|
| MAY BE                                          | tests one or more              | PARENT TREE GENETIC QUALITIES |
| * MUST BE                                       | is a trial of one and only one | RESEARCH TEST                 |
| * = Relationships in primary unique identifier. |                                |                               |

Unique Identifiers:

|                                                      |         |   |
|------------------------------------------------------|---------|---|
| RSER                                                 | Primary | Y |
| RESEARCH TEST SERIES NUMBER                          |         |   |
| MUST BE is a trial of one and only one RESEARCH TEST |         |   |

Notes:

PARENT TREE SUBSYSTEM

|                                             |                          |                     |                            |       |
|---------------------------------------------|--------------------------|---------------------|----------------------------|-------|
| <b>Entity Name:</b> RESEARCH TEST TYPE CODE |                          |                     | <b>Short Name:</b>         | RTTCD |
| <b>Plural:</b>                              | RESEARCH TEST TYPE CODES |                     |                            |       |
| <b>Init. Volume:</b>                        | <b>Avg. Volume:</b>      | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |       |

Description:

Initial values: Breeding, Genecology, Forest Health

Attributes:

| <u>Name</u>                                                                                                    | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * RESEARCH TEST TYPE CODE                                                                                      |                     | N          | VARCHAR2      | 3             |
| Initial values: PX-Polycross, DI-Diallel, FS-Full Sib, OP-Open Pollinated, PV-Provenance, WR-Weevil Resistance |                     |            |               |               |
| DESCRIPTION                                                                                                    | DESCRIPTION         | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code.                                                            |                     |            |               |               |
| EFFECTIVE DATE                                                                                                 | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| EXPIRY DATE                                                                                                    | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| The associated values are no longer available for use as of this date and time.                                |                     |            |               |               |
| UPDATE_TIMESTAMP                                                                                               | AUDIT_TIMESTAMP     | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.           |                     |            |               |               |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more RESEARCH TESTS

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| RTTCD                   | Primary | Y |
| RESEARCH TEST TYPE CODE |         |   |

Notes:

PARENT TREE SUBSYSTEM

|                                   |               |                     |                            |                         |
|-----------------------------------|---------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> RETEST POLICY |               |                     | <b>Short Name:</b>         | RP1                     |
| <b>Plural:</b>                    | RETEST POLICY |                     |                            |                         |
| <b>Init. Volume:</b>              | 20            | <b>Avg. Volume:</b> | 10                         | <b>Max. Volume:</b> 100 |
|                                   |               |                     | <b>Annual Growth Rate:</b> |                         |

Description:

Defines the program paramteres in creating seedlot retest requests. It includes the minimum number of trees that must exist in a seedlot before a retest will be created and the number of months in storage when the first set of retests should be created.

Attributes:

| <u>Name</u>                                                                                  | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * VEGETATION_CODE                                                                            | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                          |                 |            |               |               |
| MIN_NO_OF_TREES                                                                              |                 | N          | NUMBER        | 6,1           |
| The minimum number of trees needed to perform a retest.                                      |                 |            |               |               |
| NO_OF_MONTHS_STRGE                                                                           |                 | N          | NUMBER        | 5,0           |
| The minimum number of months in storage before TSC performs a retest.                        |                 |            |               |               |
| REVISION_COUNT                                                                               | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                 |                 |            |               |               |

Unique Identifiers:

|                  |         |   |
|------------------|---------|---|
| RETEST_POLICY_PK | Primary | Y |
| VEGETATION_CODE  |         |   |

|                      |                    |                     |                            |                     |     |
|----------------------|--------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | REVENUE CLASS CODE |                     |                            | <i>Short Name:</i>  | RCC |
| <i>Plural:</i>       | REVENUE CLASS CODE |                     |                            |                     |     |
| <i>Init. Volume:</i> | 50                 | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250 |
|                      |                    |                     | <i>Annual Growth Rate:</i> |                     |     |

Description:

A list of valid Revenue Class Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * REVENUE_CLASS_CODE                         |               | N          | VARCHAR2      | 3             |
| A code describing various Revenue Classes.   |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SERVICE BILLING

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| REVENUE_CLASS_CODE_PK | Primary | Y |
| REVENUE_CLASS_CODE    |         |   |

|                                  |              |                     |                            |                       |
|----------------------------------|--------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SEASON RANGE |              |                     | <i>Short Name:</i>         | SR                    |
| <i>Plural:</i>                   | SEASON RANGE |                     |                            |                       |
| <i>Init. Volume:</i>             | 4            | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 4 |
|                                  |              |                     | <i>Annual Growth Rate:</i> |                       |

Description:

A table which defines the date range and default date for a Silviculture season. The start and end dates may overlap.

Attributes:

| <u>Name</u>                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * PLANTING_SEASON_CODE                                                                             |               | N          | VARCHAR2      | 2             |
| A code which represents a time period within a year for which planting occurs.                     |               |            |               |               |
| START_DAY                                                                                          |               | N          | VARCHAR2      | 4             |
| The month and day when the season begins.                                                          |               |            |               |               |
| END_DAY                                                                                            |               | N          | VARCHAR2      | 4             |
| The month and day when the season ends.                                                            |               |            |               |               |
| REVISION_COUNT                                                                                     | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.       |               |            |               |               |
| DEFAULT_DAY                                                                                        |               | Y          | VARCHAR2      | 4             |
| The default month and day within a season when seedlings should be delivered to the planting site. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                       |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is described by one and only one PLANTING SEASON CODE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                      |         |   |
|----------------------|---------|---|
| SEASON_RANGE_PK      | Primary | Y |
| PLANTING_SEASON_CODE |         |   |

|                                          |                      |                     |                            |                         |
|------------------------------------------|----------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SEED COAST AREA CODE |                      |                     | <b>Short Name:</b>         | SCAC                    |
| <b>Plural:</b>                           | SEED COAST AREA CODE |                     |                            |                         |
| <b>Init. Volume:</b>                     | 50                   | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> 250 |
|                                          |                      |                     | <b>Annual Growth Rate:</b> |                         |

*Description:*

A list of valid Coast Area Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SEED COAST AREA CODE                       |               | N          | VARCHAR2      | 3             |
| A code describing variousCoast Areas.        |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SEEDLOT

MAY BE contains a code for one or more SPAR REQUEST

MAY BE contains a second code for one or more TRANSFER\_ORCHARD

MAY BE contains a code for one or more TRANSFER\_ORCHARD

MAY BE contains a code for one or more TRANSFER\_RESTRICTION

MAY BE contains a second code for one or more TRANSFER\_RESTRICTION

MAY BE defines Maritime areas for one or more VEG LOT

MAY BE has Maritime area one or more VEG\_LOT\_AUDIT

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                         |         |   |
|-------------------------|---------|---|
| SEED_COAST_AREA_CODE_PK | Primary | Y |
| SEED COAST AREA CODE    |         |   |

**Entity Name:** SEED PLAN UNIT

Short Name:

ST2

Plural: SPU\_TABLE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

A Seed Plan Unit represents an area for which orchards produce seed.

The identifier Seed Planning Unit (Seed\_plan\_unit\_id) is based on a unique combination of elevation\_band, seed\_plan\_zone, and vegetation\_code.

**Attributes:**

| <u>Name</u>                                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEED PLAN UNIT ID                                                                       |               | N          | NUMBER        | 10,0          |
| A unique identifier which is assigned to a Seed Planning Unit.                            |               |            |               |               |
| PRIMARY IND                                                                               |               | N          | VARCHAR2      | 1             |
| Indicates that there are tested parent trees with breeding values for the Seed Plan Unit. |               |            |               |               |
| ELEVATION MAX                                                                             |               | N          | NUMBER        | 5,0           |
| Maximum elevation (metres) for a specific elevation band for the Seed Planning Unit       |               |            |               |               |
| ELEVATION MIN                                                                             |               | N          | NUMBER        | 5,0           |
| Minimum elevation (metres) for a specific elevation band for the Seed Planning Unit       |               |            |               |               |
| CREATE DATE                                                                               |               | Y          | DATE          |               |
| The date that this SPU data is created.                                                   |               |            |               |               |
| LATITUDE DEGREES MIN                                                                      | LATITUDE      | Y          | NUMBER        | 2,0           |
| Minimum latitude (degrees) for a specific latitude band for the Seed Planning Unit.       |               |            |               |               |
| LATITUDE MINUTES MIN                                                                      | MINUTES       | Y          | NUMBER        | 2,0           |
| Minimum latitude (minutes) for a specific latitude band for the SPU.                      |               |            |               |               |
| LATITUDE DEGREES MAX                                                                      | LATITUDE      | Y          | NUMBER        | 2,0           |
| Maximum latitude (degrees) for a specific latitude band for the Seed Planning Unit.       |               |            |               |               |
| LATITUDE MINUTES MAX                                                                      | MINUTES       | Y          | NUMBER        | 2,0           |
| Maximum latitude (minutes) for a specific latitude band for the SPU.                      |               |            |               |               |
| PROGRAM RANK                                                                              |               | Y          | NUMBER        | 3,0           |
| Program Rank. A number indicating the priority rating (importance) of the SPU by the FGC  |               |            |               |               |
| TOTAL SEEDLING REQUIREMENTS                                                               |               | Y          | NUMBER        | 5,0           |
| An estimate of the seedling needs for the SPU (may be based on a 5 year average)          |               |            |               |               |
| UPDATE DATE                                                                               |               | Y          | DATE          |               |
| The date this Seed Planning Unit data was updated.                                        |               |            |               |               |
| REVISION COUNT                                                                            |               | N          | NUMBER        | 5             |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is banded by one and only one ELEVATION BAND

MAY BE is banded by one and only one LATITUDE BAND

MAY BE defines area of use for one or more PARENT TREE SEED PLAN UNITS

MAY BE boundaries defined by one and only one SEED PLAN UNIT GEOMETRY

MUST BE is described by one and only one SEED PLAN ZONE CODE

MAY BE defines primary parent tree area of use one or more SEEDLOT

MAY BE tested area of use for one or more SEEDLOT PARENT TREE GEN QLTY

MAY BE cross referenced by one or more SPU\_ORCHARD\_LINK

MAY BE defines one or more TESTED PT AREA OF USE

MAY BE included in one or more TESTED PT AREA OF USE SPU

MAY BE parent tree source for one or more VEG LOT

**Entity Name:** SEED PLAN UNIT (cont'd)*Short Name:*

ST2

MAY BE parent tree source for one or more VEG\_LOT\_AUDIT

MAY BE tested area of use for one or more VEG LOT PARENT TREE GEN QLTY

\* = *Relationships in primary unique identifier.***Unique Identifiers:**

SPU\_TABLE\_PK

*Primary* Y*SEED PLAN UNIT ID*

|                                             |                         |                     |                            |
|---------------------------------------------|-------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> SEED PLAN UNIT GEOMETRY |                         | <b>Short Name:</b>  | SPUGEOM                    |
| <b>Plural:</b>                              | SEED PLAN UNIT GEOMETRY |                     |                            |
| <b>Init. Volume:</b>                        | <b>Avg. Volume:</b>     | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Defines the spatial boundary for a Seed Planning Unit.

Attributes:

| <u>Name</u>      | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------|---------------|------------|---------------|---------------|
| GEOMETRY         |               | N          | IMAGE         |               |
| ENTRY USERID     |               | N          | VARCHAR2      | 30            |
| ENTRY TIMESTAMP  |               | N          | DATE          |               |
| UPDATE USERID    |               | N          | VARCHAR2      | 30            |
| UPDATE TIMESTAMP |               | N          | DATE          |               |
| REVISION COUNT   |               | N          | NUMBER        | 5,0           |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE feature type described by one and only one FEATURE CLASS

MUST BE defines boundaries for one and only one SEED PLAN UNIT

\* = Relationships in primary unique identifier.

|                                    |                |              |                     |
|------------------------------------|----------------|--------------|---------------------|
| <b>Entity Name:</b> SEED PLAN ZONE |                | Short Name:  | SPZS                |
| Plural:                            | SEED PLAN ZONE |              |                     |
| Init. Volume:                      | Avg. Volume:   | Max. Volume: | Annual Growth Rate: |

Description:

Seed Planning Zone delineates the spatial area within which a seedlot or vegetative lot can be transferred from its source when used for reforestation.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SEED PLAN ZONE ID                          |               | N          | NUMBER        | 10            |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MUST BE plants lots of type one and only one GENETIC CLASS CODE
- MUST BE described by one and only one SEED PLAN ZONE CODE
- MAY BE boundary defined by one and only one SEED PLAN ZONE GEOMETRY
- MAY BE planted in one and only one VEGETATION CODE
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                   |         |   |
|-------------------|---------|---|
| SPZS              | Primary | Y |
| SEED PLAN ZONE ID |         |   |

|                                         |                     |                     |                            |                         |
|-----------------------------------------|---------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SEED PLAN ZONE CODE |                     |                     | <b>Short Name:</b>         | SPZC                    |
| <b>Plural:</b>                          | SEED PLAN ZONE CODE |                     |                            |                         |
| <b>Init. Volume:</b>                    | 50                  | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> 250 |
|                                         |                     |                     | <b>Annual Growth Rate:</b> |                         |

Description:

A list of valid Seed Planning Zone Codes.

Attributes:

| <u>Name</u>                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------|---------------|------------|---------------|---------------|
| * SEED PLAN ZONE CODE                          |               | N          | VARCHAR2      | 3             |
| A code describing various Seed Planning Zones. |               |            |               |               |
| DESCRIPTION                                    | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.         |               |            |               |               |
| EFFECTIVE DATE                                 | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.      |               |            |               |               |
| EXPIRY DATE                                    | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                  |               |            |               |               |
| UPDATE TIMESTAMP                               |               | N          | DATE          |               |
| The date and time of the last update.          |               |            |               |               |
| * = Attributes in primary unique identifier.   |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE describes origin of one or more NATURAL STANDS
  - MAY BE contains a code for one or more SPU\_TABLE
  - MAY BE describes one or more SEED PLAN ZONE
  - MAY BE contains a collection zone for one or more SEEDLOT
  - MAY BE contains a collection zone for one or more SEEDLOT AUDIT
  - MAY BE contains a code for one or more SEEDLOT PLAN ZONE
  - MAY BE is described by one or more SEEDLOT\_PLAN\_ZONE\_AUDITS
  - MAY BE contains a code for one or more SPAR REQUEST
  - MAY BE defines all zones one or more SPECIES GENETIC SPZ XREF
  - MAY BE contains code for one or more SUPERIOR PROVENANCE PLAN ZONE
  - MAY BE defines area of use for one or more TESTED PT AREA OF USE SPZ
  - MAY BE contains a code for one or more TRANSFER\_ACROSS\_ZONE
  - MAY BE contains a second code for one or more TRANSFER\_ACROSS\_ZONE
  - MAY BE contains a code for one or more TRANSFER\_LIMIT
  - MAY BE contains a code for one or more TRANSFER\_ORCHARD
  - MAY BE contains a code for one or more TRANSFER\_SPZ\_RESTRICTION
  - MAY BE contains a second code for one or more TRANSFER\_SPZ\_RESTRICTION
  - MAY BE collection area described by one or more VEG LOT
  - MAY BE collection area described by one or more VEG\_LOT\_AUDIT
  - MAY BE is described by one or more VEG LOT PLAN ZONE
  - MAY BE describes one or more VEG\_LOT\_PLAN\_ZONE\_AUDITS
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                        |         |   |
|------------------------|---------|---|
| SEED_PLAN_ZONE_CODE_PK | Primary | Y |
| SEED PLAN ZONE CODE    |         |   |

|                                             |                         |                     |                            |
|---------------------------------------------|-------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> SEED PLAN ZONE GEOMETRY |                         | <b>Short Name:</b>  | SPZGEOM                    |
| <b>Plural:</b>                              | SEED PLAN ZONE GEOMETRY |                     |                            |
| <b>Init. Volume:</b>                        | <b>Avg. Volume:</b>     | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Delineates the spatial area within which a seedlot or vegetative lot can be transferred from its source when used for reforestation.

Attributes:

| <u>Name</u>                                                                                          | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| GEOMETRY                                                                                             |                 | N          | IMAGE         |               |
| Spatial information describing the Seed Planning Zone's polygon within the province                  |                 |            |               |               |
| ENTRY USERID                                                                                         | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.        |                 |            |               |               |
| ENTRY TIMESTAMP                                                                                      | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                 |            |               |               |
| UPDATE USERID                                                                                        | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.        |                 |            |               |               |
| UPDATE TIMESTAMP                                                                                     | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                 |            |               |               |
| REVISION COUNT                                                                                       | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.              |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                         |                 |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE feature type described by one and only one FEATURE CLASS

\* MUST BE defines boundary of one and only one SEED PLAN ZONE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                             |         |   |
|-------------------------------------------------------------|---------|---|
| SPZGEOM                                                     | Primary | Y |
| MUST BE defines boundary of one and only one SEED PLAN ZONE |         |   |

**Entity Name:** SEED PRICE

Short Name:

SP

Plural: SEED PRICE

Init. Volume: 20

Avg. Volume: 10

Max. Volume: 500

Annual Growth Rate:

**Description:**

Used as a price schedule for seed sales. If % germination of a seed lot falls below the range given in the table then the next highest range is used and an adjusting formula is used to reduce the cost based on the germination % for the lot being sold.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                             | <u>Domain</u>      | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|---------------|---------------|
| * SEED_PRICE_SKEY                                                                                                                                                                                       |                    | N          | NUMBER        | 10            |
| VEGETATION_CODE                                                                                                                                                                                         | VEGETATION_CODE    | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                     |                    |            |               |               |
| GENETIC_CLASS_CODE                                                                                                                                                                                      | GENETIC_CLASS_CODE | N          | VARCHAR2      | 1             |
| A code which represents the genetic quality of material (seed or cuttings). 'A' class represents superior orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings. |                    |            |               |               |
| GENETIC_WORTH_CODE                                                                                                                                                                                      |                    | Y          | VARCHAR2      | 1             |
| A code which represents the genetic quality of material (seed or cuttings). 'A' class represents superior orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings. |                    |            |               |               |
| GENETIC_WORTH_RTNG                                                                                                                                                                                      |                    | Y          | NUMBER        | 5,0           |
| The rating for a subclassification of genetic quality for 'A' class seed lots.                                                                                                                          |                    |            |               |               |
| MIN_GRMNTN_PCT                                                                                                                                                                                          |                    | N          | NUMBER        | 5,0           |
| The minimum germination percentage (the percentage of seeds that germinate and can produce seedlings) for the seed price.                                                                               |                    |            |               |               |
| MAX_GRMNTN_PCT                                                                                                                                                                                          |                    | N          | NUMBER        | 5,0           |
| The maximum germination percentage (the percentage of seeds that germinate and can produce seedlings) for the seed price.                                                                               |                    |            |               |               |
| PRICE_PER_KG                                                                                                                                                                                            |                    | N          | NUMBER        | 6,2           |
| The seed price per kilogram.                                                                                                                                                                            |                    |            |               |               |
| REVISION_COUNT                                                                                                                                                                                          | REVISION_CNT       | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                            |                    |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                            |                    |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one GENETIC CLASS CODE

MUST BE is described by one and only one GENETIC WORTH CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                    |         |   |
|--------------------|---------|---|
| SEED_PRICE_UK      | Primary | N |
| VEGETATION_CODE    |         |   |
| GENETIC_CLASS_CODE |         |   |
| GENETIC_WORTH_CODE |         |   |
| GENETIC_WORTH_RTNG |         |   |
| MIN_GRMNTN_PCT     |         |   |
| SEED_PRICE_PK      | Primary | Y |
| SEED_PRICE_SKEY    |         |   |

**Entity Name:** SEED RELATED SERVICE

Short Name:

SRS

Plural: SEED RELATED SERVICE

Init. Volume: 20

Avg. Volume: 5

Max. Volume: 50

Annual Growth Rate:

**Description:**

A seed related good or service provided to clients during the normal course of business.

**Attributes:**

| <u>Name</u>                                                                                                       | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * SEED_SERVICE_ID                                                                                                 |               | N VARCHAR2               | 3             |
| An identifier which represents the type of service which is being requested to be performed.                      |               |                          |               |
| SERVICE_BILLING_METHOD_CODE                                                                                       |               | Y VARCHAR2               | 3             |
| A code which represents the method of proportioning the cost, if any, of a service that may be billed to clients. |               |                          |               |
| BILL_CLIENT_IND                                                                                                   |               | N VARCHAR2               | 1             |
| An indicator used in billing which defined whether or not a service should be billed to a Ministry client.        |               |                          |               |
| REVISION_COUNT                                                                                                    | REVISION_CNT  | N NUMBER                 | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                      |               |                          |               |
| SERVICE_DESC                                                                                                      |               | Y VARCHAR2               | 50            |
| The description of a seed related good or service.                                                                |               |                          |               |
| * = Attributes in primary unique identifier.                                                                      |               |                          |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE defines the type of service for one or more REQUEST SERVICE

MAY BE is described by one and only one SERVICE BILLING METHOD CODE

MAY BE defines the type of services for one or more STANDARD\_SERVICE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SEED\_RELATED\_SERVICE\_PK      Primary   Y

SEED\_SERVICE\_ID

|                      |                   |                     |                            |                     |     |
|----------------------|-------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | SEED SERVICE CODE |                     |                            | <i>Short Name:</i>  | SSC |
| <i>Plural:</i>       | SEED SERVICE CODE |                     |                            |                     |     |
| <i>Init. Volume:</i> | 50                | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250 |
|                      |                   |                     | <i>Annual Growth Rate:</i> |                     |     |

**Description:**  
A list of valid Seed Service Codes.

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SEED_SERVICE_CODE                          |               | N          | VARCHAR2      | 3             |
| A code describing various Seed Services.     |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more OPERATION TIME REQUIREMENT  
MAY BE contains a code for one or more WORKPLAN\_SERVICE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
SEED\_SERVICE\_CODE\_PK      Primary   Y  
    SEED\_SERVICE\_CODE

**Entity Name:** SEED TEST FREQUENCY**Short Name:**

STF

**Plural:** SEED TEST FREQUENCY**Init. Volume:** 20**Avg. Volume:** 10**Max. Volume:** 500**Annual Growth Rate:****Description:**

Identifies the frequency of a seed related service that is performed on a regular basis as defined by TSC policy. An example would be a QA test performed every two years against a seedlot.

**Attributes:**

| <u>Name</u>                                                                                  | <u>Domain</u>     | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|-------------------|------------|---------------|---------------|
| * MAX_SEED_TEST_FREQ_SKEY                                                                    |                   | N          | NUMBER        | 10            |
| SEEDLOT_TEST_CODE                                                                            | SEEDLOT_TEST_CODE | N          | VARCHAR2      | 3             |
| A code which represents the type of test that was performed against a seed lot.              |                   |            |               |               |
| VEGETATION_CODE                                                                              |                   | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                          |                   |            |               |               |
| MIN_GERMINATION_PCT                                                                          |                   | N          | NUMBER        | 5,0           |
| The minimum germination percentage needed to retest seed.                                    |                   |            |               |               |
| MAX_GERMINATION_PCT                                                                          |                   | N          | NUMBER        | 5,0           |
| The maximum germination percentage needed to retest seed.                                    |                   |            |               |               |
| FREQUENCY                                                                                    |                   | N          | NUMBER        | 5,0           |
| The frequency (expressed in time units) with which seed is to be retested.                   |                   |            |               |               |
| SERVICE_TIME_UNIT_CODE                                                                       |                   | N          | VARCHAR2      | 3             |
| The time units associated with the frequency in which seed is to be tested.                  |                   |            |               |               |
| REVISION_COUNT                                                                               | REVISION_CNT      | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |                   |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one SEEDLOT TEST CODE

MUST BE is described by one and only one SERVICE TIME UNIT CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                         |         |   |
|-------------------------|---------|---|
| SEED_TEST_FREQUENCY_UK  | Primary | N |
| SEEDLOT_TEST_CODE       |         |   |
| VEGETATION_CODE         |         |   |
| MIN_GERMINATION_PCT     |         |   |
| SEED_TEST_FREQUENCY_PK  | Primary | Y |
| MAX_SEED_TEST_FREQ_SKEY |         |   |

|                                             |                         |                     |                            |                         |
|---------------------------------------------|-------------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SEEDLING CONTAINER CODE |                         |                     | <i>Short Name:</i>         | SCC                     |
| <i>Plural:</i>                              | SEEDLING CONTAINER CODE |                     |                            |                         |
| <i>Init. Volume:</i>                        | 50                      | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                             |                         |                     | <i>Annual Growth Rate:</i> |                         |

*Description:*  
A list of valid Container Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLING_CONTAINER_CODE                    |               | N          | VARCHAR2      | 4             |
| A code describing various Container Codes.   |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more CAVITIES BLOCK  
MAY BE contains a code for one or more LATEST SOWING DATE  
MAY BE contains a code for one or more SEEDS BLOCK  
MAY BE contains a code for one or more SPAR REQUEST  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
SEEDLING\_CONTAINER\_CODE\_PK    Primary    Y  
SEEDLING\_CONTAINER\_CODE

|                      |                         |                     |                            |                     |      |
|----------------------|-------------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | SEEDLING STOCK AGE CODE |                     |                            | <i>Short Name:</i>  | SSAC |
| <i>Plural:</i>       | SEEDLING STOCK AGE CODE |                     |                            |                     |      |
| <i>Init. Volume:</i> | 50                      | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250  |
|                      |                         |                     | <i>Annual Growth Rate:</i> |                     |      |

*Description:*  
A list of valid Stock Age Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLING_STOCK_AGE_CODE                    |               | N          | VARCHAR2      | 6             |
| A code describing various Stock Age.         |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE contains a code for one or more LATEST SOWING DATE  
MAY BE contains a code for one or more SPAR REQUEST  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*

SEEDLING\_STOCK\_AGE\_CODE\_PK    Primary   Y  
    SEEDLING\_STOCK\_AGE\_CODE

|                                              |                          |                     |                            |                         |
|----------------------------------------------|--------------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SEEDLING STOCK TYPE CODE |                          |                     | <i>Short Name:</i>         | SSC1                    |
| <i>Plural:</i>                               | SEEDLING STOCK TYPE CODE |                     |                            |                         |
| <i>Init. Volume:</i>                         | 50                       | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                              |                          |                     | <i>Annual Growth Rate:</i> |                         |

**Description:**  
A list of valid Stock Type Codes.

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLING_STOCK_TYPE_CODE                   |               | N          | VARCHAR2      | 3             |
| A code describing various Stock Types.       |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more LATEST SOWING DATE  
MAY BE contains a code for one or more SPAR REQUEST  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
SEEDLING\_STOCK\_TYPE\_CODE\_Primary Y  
SEEDLING\_STOCK\_TYPE\_CODE

**Entity Name:** SEEDLOT**Short Name:**

SEE

**Plural:** SEEDLOT**Init. Volume:** 7000**Avg. Volume:** 300**Max. Volume:** 10000**Annual Growth Rate:****Description:**

A quantity of seed of a particular species and quality from a given location collected at a given time. Collected elevation and UTM Reference refer to weighted average values when applied to Orchard Seed.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                             | <u>Domain</u>   | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                                                                                                        |                 | N VARCHAR2               | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                             |                 |                          |               |
| SEEDLOT_STATUS_CODE                                                                                                                                                                                                     |                 | N VARCHAR2               | 3             |
| A code which represents the current status of a lot.                                                                                                                                                                    |                 |                          |               |
| VEGETATION_CODE                                                                                                                                                                                                         | VEGETATION_CODE | Y VARCHAR2               | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                     |                 |                          |               |
| GENETIC_CLASS_CODE                                                                                                                                                                                                      |                 | Y VARCHAR2               | 1             |
| A code which represents the genetic quality of material (seed or cuttings). 'A' class represents superior orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings.                 |                 |                          |               |
| COLLECTION_SOURCE_CODE                                                                                                                                                                                                  |                 | Y VARCHAR2               | 2             |
| A code which identifies the collection source for seed. The first character is the GENETIC_CLASS_CODE.                                                                                                                  |                 |                          |               |
| SUPERIOR_PRVNC_IND                                                                                                                                                                                                      |                 | Y VARCHAR2               | 1             |
| An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N' - No).                                                                                                      |                 |                          |               |
| ORG_UNIT_NO                                                                                                                                                                                                             |                 | Y NUMBER                 | 10,0          |
| Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes". |                 |                          |               |
| REGISTERED_SEED_IND                                                                                                                                                                                                     |                 | Y VARCHAR2               | 1             |
| An indicator which represents whether a seed lot is registered for crown land reforestation use ('Y' yes) or not ('N' no).                                                                                              |                 |                          |               |
| TO_BE_REGISTRD_IND                                                                                                                                                                                                      |                 | Y VARCHAR2               | 1             |
| An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).                                                                               |                 |                          |               |
| REGISTERED_DATE                                                                                                                                                                                                         |                 | Y DATE                   |               |
| The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.                                                                                                                |                 |                          |               |
| FS721A_SIGNED_IND                                                                                                                                                                                                       |                 | Y VARCHAR2               | 1             |
| An indicator which represents whether the FS721A form was signed ('Y' yes) or not ('N' no).                                                                                                                             |                 |                          |               |
| BC_SOURCE_IND                                                                                                                                                                                                           |                 | Y VARCHAR2               | 1             |
| Indicates whether the source of the seedlot is within British Columbia                                                                                                                                                  |                 |                          |               |
| NAD_DATUM_CODE                                                                                                                                                                                                          |                 | Y VARCHAR2               | 2             |
| A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.                                                                                                                             |                 |                          |               |
| UTM_ZONE                                                                                                                                                                                                                |                 | Y NUMBER                 | 5,0           |
| The Universal Transverse Mercator location reference for the location (planting site for Request or origin for lot). This is the zone reference.                                                                        |                 |                          |               |
| UTM_EASTING                                                                                                                                                                                                             |                 | Y NUMBER                 | 10,0          |
| The Universal Transverse Mercator location reference for the planting site. This is the Easting reference (metres east of the Central Meridian of the zone).                                                            |                 |                          |               |

| <b>Entity Name:</b> SEEDLOT (cont'd)                                                                                                                                     |           |          | <i>Short Name:</i> | SEE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|--------------------|-----|
| UTM_NORTHING                                                                                                                                                             | Y         | NUMBER   | 10,0               |     |
| The Universal Transverse Mercator location reference for the planting site. This is the Northing reference (metres north of the Equator).                                |           |          |                    |     |
| LONGITUDE_DEGREES                                                                                                                                                        | LONGITUDE | Y        | NUMBER             | 3,0 |
| The longitude (degrees portion) for the intended use of the Seed Lot.                                                                                                    |           |          |                    |     |
| LONGITUDE_MINUTES                                                                                                                                                        | MINUTES   | Y        | NUMBER             | 2,0 |
| The longitude (minutes portion) for the intended use of the Seed Lot.                                                                                                    |           |          |                    |     |
| LONGITUDE_SECONDS                                                                                                                                                        | SECONDS   | Y        | NUMBER             | 2,0 |
| The longitude (seconds portion) for the intended use of the Seed Lot.                                                                                                    |           |          |                    |     |
| LONGITUDE_DEG_MIN                                                                                                                                                        | LONGITUDE | Y        | NUMBER             | 3,0 |
| LONGITUDE_MIN_MIN                                                                                                                                                        | MINUTES   | Y        | NUMBER             | 2,0 |
| LONGITUDE_SEC_MIN                                                                                                                                                        | SECONDS   | Y        | NUMBER             | 2,0 |
| LONGITUDE_DEG_MAX                                                                                                                                                        | LONGITUDE | Y        | NUMBER             | 3,0 |
| LONGITUDE_MIN_MAX                                                                                                                                                        | MINUTES   | Y        | NUMBER             | 2,0 |
| LONGITUDE_SEC_MAX                                                                                                                                                        | SECONDS   | Y        | NUMBER             | 2,0 |
| LATITUDE_DEGREES                                                                                                                                                         | LATITUDE  | Y        | NUMBER             | 2,0 |
| The latitude (degrees portion) for the intended use of the Seed Lot.                                                                                                     |           |          |                    |     |
| LATITUDE_MINUTES                                                                                                                                                         | MINUTES   | Y        | NUMBER             | 2,0 |
| The latitude (minutes portion) for the intended use of the Seed Lot.                                                                                                     |           |          |                    |     |
| LATITUDE_SECONDS                                                                                                                                                         | SECONDS   | Y        | NUMBER             | 2,0 |
| The latitude (seconds portion) for the intended use of the Seed Lot.                                                                                                     |           |          |                    |     |
| LATITUDE_DEG_MIN                                                                                                                                                         | LATITUDE  | Y        | NUMBER             | 2,0 |
| The minimum latitude (degrees portion) for the seedlot.                                                                                                                  |           |          |                    |     |
| LATITUDE_MIN_MIN                                                                                                                                                         | MINUTES   | Y        | NUMBER             | 2,0 |
| The minimum latitude (minutes portion) for the seedlot.                                                                                                                  |           |          |                    |     |
| LATITUDE_SEC_MIN                                                                                                                                                         | SECONDS   | Y        | NUMBER             | 2,0 |
| The minimum latitude (seconds portion) for the seedlot.                                                                                                                  |           |          |                    |     |
| LATITUDE_DEG_MAX                                                                                                                                                         | LATITUDE  | Y        | NUMBER             | 2,0 |
| The maximum latitude (degrees portion) for the seedlot.                                                                                                                  |           |          |                    |     |
| LATITUDE_MIN_MAX                                                                                                                                                         | MINUTES   | Y        | NUMBER             | 2,0 |
| The maximum latitude (minutes portion) for the seedlot.                                                                                                                  |           |          |                    |     |
| LATITUDE_SEC_MAX                                                                                                                                                         | SECONDS   | Y        | NUMBER             | 2,0 |
| The maximum latitude (seconds portion) for the seedlot.                                                                                                                  |           |          |                    |     |
| SEED_COAST_AREA_CODE                                                                                                                                                     | Y         | VARCHAR2 | 3                  |     |
| A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.                                                                    |           |          |                    |     |
| ELEVATION                                                                                                                                                                | Y         | NUMBER   | 5,0                |     |
| The representative elevation in meters where the seed lot originated. For orchard seed lots it is a weighted average of the contributing parent trees source elevations. |           |          |                    |     |
| ELEVATION_MIN                                                                                                                                                            | Y         | NUMBER   | 5,0                |     |
| The minimum elevation in meters where the seed lot originated.                                                                                                           |           |          |                    |     |
| ELEVATION_MAX                                                                                                                                                            | Y         | NUMBER   | 5,0                |     |
| The maximum elevation in meters where the seed lot originated.                                                                                                           |           |          |                    |     |
| COLLECTION_LOCN_DESC                                                                                                                                                     | Y         | VARCHAR2 | 30                 |     |
| A free format text description of the location where the seed lot originated.                                                                                            |           |          |                    |     |
| COLLECTION_CLI_NUMBER                                                                                                                                                    | Y         | VARCHAR2 | 8                  |     |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                              |           |          |                    |     |
| COLLECTION_CLI_LOCN_CD                                                                                                                                                   | Y         | VARCHAR2 | 2                  |     |
| A code to uniquely identify, within each client, the addresses of different divisions or                                                                                 |           |          |                    |     |

| <b>Entity Name:</b> SEEDLOT (cont'd)                                                                                                                                     |            | Short Name: | SEE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|-----|
| locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.                                |            |             |     |
| COLLECTION_START_DATE                                                                                                                                                    | Y DATE     |             |     |
| The actual start date (year, month, and day) that the cones (source for seed lots) were collected.                                                                       |            |             |     |
| COLLECTION_END_DATE                                                                                                                                                      | Y DATE     |             |     |
| The actual end date (year, month, and day) that the cones (source for seed lots) were collected.                                                                         |            |             |     |
| CONE_COLLECTION_METHOD_CODE                                                                                                                                              | Y VARCHAR2 |             | 3   |
| A code representing the method in which the cones were collected.                                                                                                        |            |             |     |
| CONE_COLLECTION_METHOD2_CODE                                                                                                                                             | Y VARCHAR2 |             | 3   |
| A code representing the method in which the cones were collected.                                                                                                        |            |             |     |
| COLLECTION_LAT_DEG LATITUDE                                                                                                                                              | Y NUMBER   |             | 2,0 |
| The latitude (degrees portion) for the origin of the exotic seed lot.                                                                                                    |            |             |     |
| COLLECTION_LAT_MIN MINUTES                                                                                                                                               | Y NUMBER   |             | 2,0 |
| The latitude (minutes portion) for the origin of the exotic seed lot.                                                                                                    |            |             |     |
| COLLECTION_LAT_SEC SECONDS                                                                                                                                               | Y NUMBER   |             | 2,0 |
| The latitude (seconds portion) for the origin of the exotic seed lot.                                                                                                    |            |             |     |
| <i>2005-03-14 R.A.Robb (PT#26063)</i>                                                                                                                                    |            |             |     |
| <i>- Added for conformance with Chief Forester's Standards</i>                                                                                                           |            |             |     |
| COLLECTION_LATITUDE_CODE                                                                                                                                                 | Y VARCHAR2 |             | 2   |
| A code which specifies whether the exotic origin latitude is north ('N') or south ('S').                                                                                 |            |             |     |
| COLLECTION_LONG_DEG LONGITUDE                                                                                                                                            | Y NUMBER   |             | 3,0 |
| The longitude (degrees portion) for the origin of the exotic Seed Lot.                                                                                                   |            |             |     |
| COLLECTION_LONG_MIN MINUTES                                                                                                                                              | Y NUMBER   |             | 2,0 |
| The longitude (minutes portion) for the origin of the exotic Seed Lot.                                                                                                   |            |             |     |
| COLLECTION_LONG_SEC SECONDS                                                                                                                                              | Y NUMBER   |             | 2,0 |
| The longitude (seconds portion) for the origin of the exotic Seed Lot.                                                                                                   |            |             |     |
| <i>2005-03-14 R.A.Robb (PT#26063)</i>                                                                                                                                    |            |             |     |
| <i>- Added for conformance with Chief Forester's Standards</i>                                                                                                           |            |             |     |
| COLLECTION_LONGITUDE_CODE                                                                                                                                                | Y VARCHAR2 |             | 2   |
| A code which specifies whether the exotic origin longitude is east ('E') or west ('W').                                                                                  |            |             |     |
| COLLECTION_ELEVATION                                                                                                                                                     | Y NUMBER   |             | 5,0 |
| The representative elevation in meters where the seed lot originated. For orchard seed lots it is a weighted average of the contributing parent trees source elevations. |            |             |     |
| COLLECTION_ELEVATION_MIN                                                                                                                                                 | Y NUMBER   |             | 5,0 |
| The minimum elevation in meters where the exotic seed lot originated.                                                                                                    |            |             |     |
| COLLECTION_ELEVATION_MAX                                                                                                                                                 | Y NUMBER   |             | 5,0 |
| The maximum elevation in meters where the exotic seed lot originated.                                                                                                    |            |             |     |
| COLLECTION_AREA_RADIUS                                                                                                                                                   | Y NUMBER   |             | 5,1 |
| Radius of the seedlot collection area.                                                                                                                                   |            |             |     |
| COLLECTION_SEED_PLAN_ZONE_IND                                                                                                                                            | Y VARCHAR2 |             | 1   |
| Indicates whether the seedlot collection took place in one seed planning zone.                                                                                           |            |             |     |
| COLLECTION_BGC_IND                                                                                                                                                       | Y VARCHAR2 |             | 1   |
| Indicates whether the seedlot collection took place in one biogeoclimatic zone.                                                                                          |            |             |     |
| NO_OF_CONTAINERS                                                                                                                                                         | Y NUMBER   |             | 6,2 |
| The number of containers (sacks of cones) that were collected.                                                                                                           |            |             |     |
| CLCTN_VOLUME                                                                                                                                                             | Y NUMBER   |             | 6,2 |
| The volume in hl (hectolitres) of the cones in the collection as reported on the cone collection form.                                                                   |            |             |     |

| <b>Entity Name:</b>                                                                                                                                                                                                                | <b>SEEDLOT (cont'd)</b> | <b>Short Name:</b> | <b>SEE</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|------------|
| VOL_PER_CONTAINER                                                                                                                                                                                                                  | Y NUMBER                | 6,2                |            |
| The volume of cones, in hectolitres, that were collected per container (as reported on the cone collection form).                                                                                                                  |                         |                    |            |
| NMBR_TREES_FROM_CODE                                                                                                                                                                                                               | Y VARCHAR2              | 1                  |            |
| A code which represents the number of trees that the seed lot was collected from.                                                                                                                                                  |                         |                    |            |
| EFFECTIVE_POP_SIZE                                                                                                                                                                                                                 | Y NUMBER                | 5,1                |            |
| The calculated number of parents contributing to the seed lot.                                                                                                                                                                     |                         |                    |            |
| ORIGINAL_SEED_QTY                                                                                                                                                                                                                  | Y NUMBER                | 10,0               |            |
| The original balance of seed in grams for the seed lot.                                                                                                                                                                            |                         |                    |            |
| INTERM_STRG_ST_DATE                                                                                                                                                                                                                | Y DATE                  |                    |            |
| The actual start date (year, month, and day) when the cone was stored during interim storage.                                                                                                                                      |                         |                    |            |
| INTERM_STRG_END_DATE                                                                                                                                                                                                               | Y DATE                  |                    |            |
| The actual end date (year, month, and day) when the cone was stored during interim storage.                                                                                                                                        |                         |                    |            |
| INTERM_FACILITY_CODE                                                                                                                                                                                                               | Y VARCHAR2              | 3                  |            |
| A code which represents the type of facility where the seed was stored during interim storage.                                                                                                                                     |                         |                    |            |
| INTERM_STRG_LOCN                                                                                                                                                                                                                   | Y VARCHAR2              | 55                 |            |
| The location where the tree seed was stored during interim storage.                                                                                                                                                                |                         |                    |            |
| INTERM_STRG_CMT                                                                                                                                                                                                                    | Y VARCHAR2              | 125                |            |
| A free format text field used to enter general comments for interim storage.                                                                                                                                                       |                         |                    |            |
| EXTRACTION_ST_DATE                                                                                                                                                                                                                 | Y DATE                  |                    |            |
| The actual start date (year, month, and day) when the seed was extracted from the cones.                                                                                                                                           |                         |                    |            |
| EXTRACTION_END_DATE                                                                                                                                                                                                                | Y DATE                  |                    |            |
| The actual end date (year, month, and day) when the seed was extracted from the cones.                                                                                                                                             |                         |                    |            |
| EXTRACTION_VOLUME                                                                                                                                                                                                                  | Y NUMBER                | 6,2                |            |
| The volume in hl (hectolitres) of cones processed at the extractory.                                                                                                                                                               |                         |                    |            |
| EXTRCT_CLI_NUMBER                                                                                                                                                                                                                  | Y VARCHAR2              | 8                  |            |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |                         |                    |            |
| EXTRCT_CLI_LOCN_CD                                                                                                                                                                                                                 | Y VARCHAR2              | 2                  |            |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |                         |                    |            |
| EXTRACTION_COMMENT                                                                                                                                                                                                                 | Y VARCHAR2              | 125                |            |
| A free format text field used to enter general comments about extraction.                                                                                                                                                          |                         |                    |            |
| STORED_CLI_NUMBER                                                                                                                                                                                                                  | Y VARCHAR2              | 8                  |            |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |                         |                    |            |
| STORED_CLI_LOCN_CD                                                                                                                                                                                                                 | Y VARCHAR2              | 2                  |            |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |                         |                    |            |
| LNGTERM_STRG_ST_DATE                                                                                                                                                                                                               | Y DATE                  |                    |            |
| The actual start date (year, month and day) when the cone was stored during long-term storage at the Tree Seed Centre.                                                                                                             |                         |                    |            |
| HISTORICAL_TSR_DATE                                                                                                                                                                                                                | Y DATE                  |                    |            |
| The date (year, month and day) when the seed lot was added to the old Tree Seed Registry system. This date was carried forward to SPAR.                                                                                            |                         |                    |            |
| OWNERSHIP_COMMENT                                                                                                                                                                                                                  | Y VARCHAR2              | 4000               |            |
| A free format text field used to enter general comments for the tree seed ownership.                                                                                                                                               |                         |                    |            |
| CONE_SEED_DESC                                                                                                                                                                                                                     | Y VARCHAR2              | 250                |            |

| Entity Name:                 | SEEDLOT (cont'd)                                                                                                                                                                                                                                                                                 | Short Name: | SEE |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|
|                              | A free format text description about the cone/seed condition.                                                                                                                                                                                                                                    |             |     |
| SEEDLOT_COMMENT              | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 2000        |     |
|                              | A free format text field used to enter general comments for a seedlot.                                                                                                                                                                                                                           |             |     |
| TEMPORARY_STORAGE_START_DATE | Y DATE                                                                                                                                                                                                                                                                                           |             |     |
|                              | Commencement date of temporary seedlot storage                                                                                                                                                                                                                                                   |             |     |
| TEMPORARY_STORAGE_END_DATE   | Y DATE                                                                                                                                                                                                                                                                                           |             |     |
|                              | End date of seedlot temporary storage                                                                                                                                                                                                                                                            |             |     |
| COLLECTION_STANDARD_MET_IND  | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 1           |     |
|                              | Indicates whether the seedlot meets the superior provenance standards in appendix 5 of the chief forester's standards for seed use.                                                                                                                                                              |             |     |
| APPLICANT_EMAIL_ADDRESS      | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 100         |     |
|                              | Email address of client applying to register the seedlot                                                                                                                                                                                                                                         |             |     |
| BIOTECH PROCESSES IND        | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 1           |     |
|                              | Indicates if biotechnological processes been used to produce this lot.                                                                                                                                                                                                                           |             |     |
| POLLEN CONTAMINATION IND     | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 1           |     |
|                              | Indicates if pollen contamination was present in the seed orchard                                                                                                                                                                                                                                |             |     |
| POLLEN CONTAMINATION PCT     | Y NUMBER                                                                                                                                                                                                                                                                                         | 3           |     |
|                              | The proportion of contaminant pollen present in the seed orchard.                                                                                                                                                                                                                                |             |     |
| CONTROLLED CROSS IND         | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 1           |     |
|                              | Indicates whether the lot was produced through controlled crosses.                                                                                                                                                                                                                               |             |     |
| ORCHARD COMMENT              | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 2000        |     |
|                              | Comments on cone or seed condition, collection origin, source, etc.                                                                                                                                                                                                                              |             |     |
| TOTAL PARENT TREES           | Y NUMBER                                                                                                                                                                                                                                                                                         | 5           |     |
|                              | Total number of parent trees.                                                                                                                                                                                                                                                                    |             |     |
| SMP PARENTS OUTSIDE          | Y NUMBER                                                                                                                                                                                                                                                                                         | 5           |     |
| SMP MEAN BV GROWTH           | Y NUMBER                                                                                                                                                                                                                                                                                         | 4,1         |     |
| SMP SUCCESS PCT              | Y NUMBER                                                                                                                                                                                                                                                                                         | 3           |     |
| CONTAMINANT POLLEN BV        | Y NUMBER                                                                                                                                                                                                                                                                                         | 4,1         |     |
| ORCHARD CONTAMINATION PCT    | Y NUMBER                                                                                                                                                                                                                                                                                         | 3           |     |
| COANCESTRY                   | Y NUMBER                                                                                                                                                                                                                                                                                         | 20,10       |     |
|                              | This value was taken from the SeedlotCertificationTemplate.xls (2005 version with Coancestry - sheet reference 'PiPj Cij'!P1) as used by the Tree Seed Centre to calculate Genetic Worth, Effective Population Size and Collection Geography prior to this functionality being included in SPAR. |             |     |
|                              | This value is used in calculating Effective Population Size when coancestry is considered. It represents:                                                                                                                                                                                        |             |     |
|                              | COANCESTRY = SUM( (Male Proportional Contribution * Female Proportional Contribution) * (Coancestry Value) )                                                                                                                                                                                     |             |     |
|                              | "Coancestry Value" is a number assigned by the breeder to Parent Tree combinations where Coancestry was involved. This value is not stored in SPAR. It is merely a means to arrive at the COANCESTRY value.                                                                                      |             |     |
|                              | Note that the following items are calculated in SPAR for purposes of calculating Genetic Worth and Effective Population Size but are not stored:                                                                                                                                                 |             |     |
|                              | - Male Proportional Contribution                                                                                                                                                                                                                                                                 |             |     |
|                              | - Female Proportional Contribution                                                                                                                                                                                                                                                               |             |     |
|                              | 2006-01-12 R.A.Robb (PT#28861)                                                                                                                                                                                                                                                                   |             |     |
|                              | - added for calculation of Effective Population Size (with coancestry considered)                                                                                                                                                                                                                |             |     |
| BGC_ZONE_CODE                | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 4           |     |
| BGC_SUBZONE_CODE             | Y VARCHAR2                                                                                                                                                                                                                                                                                       | 3           |     |

| <b>Entity Name:</b> SEEDLOT (cont'd)                                                                                                                                                                                                                  |              |   | Short Name: | SEE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|-------------|-----|
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |              |   |             |     |
| VARIANT                                                                                                                                                                                                                                               |              | Y | VARCHAR2    | 1   |
| A division of biogeoclimatic information. A unit of site classification defined as all land areas capable of producing vegetation belonging to the same plant association at climax, within a subzone or variant. A division of the site association. |              |   |             |     |
| ENTRY USERID                                                                                                                                                                                                                                          | AUDIT_USERID | N | VARCHAR2    | 30  |
| The userid of the individual that entered the Seed Lot.                                                                                                                                                                                               |              |   |             |     |
| ENTRY TIMESTAMP                                                                                                                                                                                                                                       | AUDIT_DATE   | N | DATE        |     |
| The time and date a Seed Lot was entered onto the system.                                                                                                                                                                                             |              |   |             |     |
| UPDATE USERID                                                                                                                                                                                                                                         | AUDIT_USERID | N | VARCHAR2    | 30  |
| The userid of the individual that changed the Seed Lot.                                                                                                                                                                                               |              |   |             |     |
| UPDATE TIMESTAMP                                                                                                                                                                                                                                      | AUDIT_DATE   | N | DATE        |     |
| The time and date a Seed Lot was last updated on the system.                                                                                                                                                                                          |              |   |             |     |
| APPROVED USERID                                                                                                                                                                                                                                       | AUDIT_USERID | Y | VARCHAR2    | 30  |
| The userid of the individual that approved the Seed Lot's information.                                                                                                                                                                                |              |   |             |     |
| APPROVED TIMESTAMP                                                                                                                                                                                                                                    | AUDIT_DATE   | Y | DATE        |     |
| The time and date a Seed Lot's information was approved.                                                                                                                                                                                              |              |   |             |     |
| DECLARED USERID                                                                                                                                                                                                                                       |              | Y | VARCHAR2    | 30  |
| The userid of the individual that declares the following:                                                                                                                                                                                             |              |   |             |     |
| - that the information is true and correct                                                                                                                                                                                                            |              |   |             |     |
| - that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application                                                                                                                                              |              |   |             |     |
| DECLARED TIMESTAMP                                                                                                                                                                                                                                    |              | Y | DATE        |     |
| The date and time that the following were declared by the declarer:                                                                                                                                                                                   |              |   |             |     |
| - that the information is true and correct                                                                                                                                                                                                            |              |   |             |     |
| - that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application                                                                                                                                              |              |   |             |     |
| REVISION COUNT                                                                                                                                                                                                                                        | REVISION_CNT | N | NUMBER      | 5,0 |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                          |              |   |             |     |

\* = Attributes in primary unique identifier.

## Relationships:

### Each Occurrence Of This Entity:

MUST BE describes bec version one and only one BEC VERSION CONTROL

MAY BE interim storage by one and only one CLIENT LOCATION

MAY BE is stored by one and only one CLIENT LOCATION

MAY BE registration applied for by one and only one CLIENT LOCATION

MAY BE is extracted into one or more CNS EXTRACTION LOG

MUST BE is described by one and only one COLLECTION LATITUDE CODE

MUST BE is described by one and only one COLLECTION LONGITUDE CODE

MAY BE is described by one and only one COLLECTION SOURCE CODE

MAY BE is described by one and only one CONE COLLECTION METHOD CODE

MAY BE is shipped as one or more EXPECTED RECEIPT CONTENT

MAY BE female parent tree contribution described by one and only one GAMETIC MTHD CODE

MAY BE male parent tree contribution described by one and only one GAMETIC MTHD CODE

MAY BE is described by one and only one GENETIC CLASS CODE

MAY BE is described by one and only one INTERM FACILITY CODE

MAY BE is described by one and only one NAD DATUM CODE

MAY BE is described by one and only one NMBR TREES FROM CODE

MAY BE has A class seed produced by one and only one ORCHARD

|                                      |                    |     |
|--------------------------------------|--------------------|-----|
| <b>Entity Name:</b> SEEDLOT (cont'd) | <b>Short Name:</b> | SEE |
|--------------------------------------|--------------------|-----|

MAY BE made up of parent trees contributed from one and only one ORCHARD  
 MAY BE is administered by one and only one ORG UNIT  
 MAY BE is described by one and only one POLLEN CONTAMINATION MTHD CODE  
 MAY BE is adjusted by one or more REQUEST SEEDLOT  
 MAY BE is described by one and only one SEED COAST AREA CODE  
 MAY BE primary parent tree area of use defined by one and only one SEED PLAN UNIT  
 MAY BE collected from one and only one SEED PLAN ZONE CODE  
 MAY BE describes one or more SEEDLOT CHARACTERISTIC  
 MAY BE defines collection area one and only one SEEDLOT COLLECTION GEOMETRY  
 MAY BE is rated by one or more SEEDLOT GENETIC WORTH  
 MAY BE source location defined by one and only one SEEDLOT GEOMETRY  
 MAY BE relates a child to one or more SEEDLOT HERITAGE  
 MAY BE relates a parent to one or more SEEDLOT HERITAGE  
 MAY BE is applied from one or more SEEDLOT OVERRIDE  
 MAY BE owns a quantity of one or more SEEDLOT OWNER QUANTITY  
 MAY BE is composed of one or more SEEDLOT PARENT TREE  
 MAY BE has stock counts recorded on one or more SEEDLOT PHYSICAL BALANCE  
 MAY BE is suitable for one or more SEEDLOT PLAN ZONE  
 MAY BE is described by one and only one SEEDLOT SOURCE CODE  
 MUST BE is described by one and only one SEEDLOT STATUS CODE  
 MAY BE is tested by one or more SEEDLOT TEST  
 MUST BE contributes to one or more SMP MIX  
 MAY BE describes natural stand one and only one SUPERIOR PROVENANCE  
 MAY BE parent of one or more VEG LOT HERITAGE  
 MAY BE has species one and only one VEGETATION CODE  
 \* = Relationships in primary unique identifier.

### Unique Identifiers:

|                |         |   |
|----------------|---------|---|
| SEEDLOT_PK     | Primary | Y |
| SEEDLOT_NUMBER |         |   |

### Notes:

2005-03-14 R.A.Robb (PT#26063)  
 - added COLLECTION\_LAT\_SEC and COLLECTION\_LONG\_SEC to comply with Chief Forester's Standards

2006-01-12 R.A.Robb (PT#28861)  
 - added COANCESTRY attribute for calculation of Effective Population Size (with coancestry considered)

**Entity Name:** SEEDLOT AUDIT**Short Name:**

SAUD

**Plural:** SEEDLOT AUDIT**Init. Volume:** 12000**Avg. Volume:** 4800**Max. Volume:****Annual Growth Rate:** 40%**Description:**

Audits modifications to SEEDLOT.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                             | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * SEEDLOT AUDIT ID                                                                                                                                                                                                      |                 | N          | NUMBER        | 10            |
| A unique sequence to identify an audited Seedlot instance.                                                                                                                                                              |                 |            |               |               |
| AUDIT_DATE                                                                                                                                                                                                              |                 | N          | DATE          |               |
| The date and time the audit record was created.                                                                                                                                                                         |                 |            |               |               |
| SEEDLOT_NUMBER                                                                                                                                                                                                          |                 | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                             |                 |            |               |               |
| SEEDLOT_STATUS_CODE                                                                                                                                                                                                     |                 | N          | VARCHAR2      | 3             |
| A code which represents the current status of a lot.                                                                                                                                                                    |                 |            |               |               |
| VEGETATION_CODE                                                                                                                                                                                                         | VEGETATION_CODE | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                     |                 |            |               |               |
| GENETIC_CLASS_CODE                                                                                                                                                                                                      |                 | Y          | VARCHAR2      | 1             |
| A code which represents the genetic quality of material (seed or cuttings). 'A' class represents superior orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings.                 |                 |            |               |               |
| COLLECTION_SOURCE_CODE                                                                                                                                                                                                  |                 | Y          | VARCHAR2      | 2             |
| A code which identifies the collection source for seed. The first character is the GENETIC_CLASS_CODE.                                                                                                                  |                 |            |               |               |
| SUPERIOR_PRVNC_IND                                                                                                                                                                                                      |                 | Y          | VARCHAR2      | 1             |
| An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N' - No).                                                                                                      |                 |            |               |               |
| ORG_UNIT_NO                                                                                                                                                                                                             |                 | Y          | NUMBER        | 10,0          |
| Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes". |                 |            |               |               |
| REGISTERED_SEED_IND                                                                                                                                                                                                     |                 | Y          | VARCHAR2      | 1             |
| An indicator which represents whether a seed lot is registered for crown land reforestation use ('Y' yes) or not ('N' no).                                                                                              |                 |            |               |               |
| TO_BE_REGISTRD_IND                                                                                                                                                                                                      |                 | Y          | VARCHAR2      | 1             |
| An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).                                                                               |                 |            |               |               |
| REGISTERED_DATE                                                                                                                                                                                                         |                 | Y          | DATE          |               |
| The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.                                                                                                                |                 |            |               |               |
| FS721A_SIGNED_IND                                                                                                                                                                                                       |                 | Y          | VARCHAR2      | 1             |
| An indicator which represents whether the FS721A form was signed ('Y' yes) or not ('N' no).                                                                                                                             |                 |            |               |               |
| BC_SOURCE_IND                                                                                                                                                                                                           |                 | Y          | VARCHAR2      | 1             |
| Indicates whether the source of the seedlot is within British Columbia                                                                                                                                                  |                 |            |               |               |
| NAD_DATUM_CODE                                                                                                                                                                                                          |                 | Y          | VARCHAR2      | 2             |
| A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.                                                                                                                             |                 |            |               |               |
| UTM_ZONE                                                                                                                                                                                                                |                 | Y          | NUMBER        | 5,0           |
| The Universal Transverse Mercator location reference for the location (planting site for                                                                                                                                |                 |            |               |               |

| <b>Entity Name:</b> SEEDLOT AUDIT (cont'd)                                                                                                                               |                    | Short Name: | SAUD |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|------|
| Request or origin for lot). This is the zone reference.                                                                                                                  |                    |             |      |
| UTM_EASTING                                                                                                                                                              | Y NUMBER           | 10,0        |      |
| The Universal Transverse Mercator location reference for the planting site. This is the Easting reference (metres east of the Central Meridian of the zone).             |                    |             |      |
| UTM_NORTHING                                                                                                                                                             | Y NUMBER           | 10,0        |      |
| The Universal Transverse Mercator location reference for the planting site. This is the Northing reference (metres north of the Equator).                                |                    |             |      |
| LONGITUDE_DEGREES                                                                                                                                                        | LONGITUDE Y NUMBER | 3,0         |      |
| The longitude (degrees portion) for the intended use of the Seed Lot.                                                                                                    |                    |             |      |
| LONGITUDE_MINUTES                                                                                                                                                        | MINUTES Y NUMBER   | 2,0         |      |
| The longitude (minutes portion) for the intended use of the Seed Lot.                                                                                                    |                    |             |      |
| LONGITUDE_SECONDS                                                                                                                                                        | SECONDS Y NUMBER   | 2,0         |      |
| The longitude (seconds portion) for the intended use of the Seed Lot.                                                                                                    |                    |             |      |
| LONGITUDE_DEG_MIN                                                                                                                                                        | LONGITUDE Y NUMBER | 3,0         |      |
| LONGITUDE_MIN_MIN                                                                                                                                                        | MINUTES Y NUMBER   | 2,0         |      |
| LONGITUDE_SEC_MIN                                                                                                                                                        | SECONDS Y NUMBER   | 2,0         |      |
| LONGITUDE_DEG_MAX                                                                                                                                                        | LONGITUDE Y NUMBER | 3,0         |      |
| LONGITUDE_MIN_MAX                                                                                                                                                        | MINUTES Y NUMBER   | 2,0         |      |
| LONGITUDE_SEC_MAX                                                                                                                                                        | SECONDS Y NUMBER   | 2,0         |      |
| LATITUDE_DEGREES                                                                                                                                                         | LATITUDE Y NUMBER  | 2,0         |      |
| The latitude (degrees portion) for the intended use of the Seed Lot.                                                                                                     |                    |             |      |
| LATITUDE_MINUTES                                                                                                                                                         | MINUTES Y NUMBER   | 2,0         |      |
| The latitude (minutes portion) for the intended use of the Seed Lot.                                                                                                     |                    |             |      |
| LATITUDE_SECONDS                                                                                                                                                         | SECONDS Y NUMBER   | 2,0         |      |
| The latitude (seconds portion) for the intended use of the Seed Lot.                                                                                                     |                    |             |      |
| LATITUDE_DEG_MIN                                                                                                                                                         | LATITUDE Y NUMBER  | 2,0         |      |
| The minimum latitude (degrees portion) for the seedlot.                                                                                                                  |                    |             |      |
| LATITUDE_MIN_MIN                                                                                                                                                         | MINUTES Y NUMBER   | 2,0         |      |
| The minimum latitude (minutes portion) for the seedlot.                                                                                                                  |                    |             |      |
| LATITUDE_SEC_MIN                                                                                                                                                         | SECONDS Y NUMBER   | 2,0         |      |
| LATITUDE_DEG_MAX                                                                                                                                                         | LATITUDE Y NUMBER  | 2,0         |      |
| The maximum latitude (degrees portion) for the seedlot.                                                                                                                  |                    |             |      |
| LATITUDE_MIN_MAX                                                                                                                                                         | MINUTES Y NUMBER   | 2,0         |      |
| The maximum latitude (minutes portion) for the seedlot.                                                                                                                  |                    |             |      |
| LATITUDE_SEC_MAX                                                                                                                                                         | SECONDS Y NUMBER   | 2,0         |      |
| SEED_COAST_AREA_CODE                                                                                                                                                     | Y VARCHAR2         | 3           |      |
| A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.                                                                    |                    |             |      |
| ELEVATION                                                                                                                                                                | Y NUMBER           | 5,0         |      |
| The representative elevation in meters where the seed lot originated. For orchard seed lots it is a weighted average of the contributing parent trees source elevations. |                    |             |      |
| ELEVATION_MIN                                                                                                                                                            | Y NUMBER           | 5,0         |      |
| The minimum elevation in meters where the seed lot originated.                                                                                                           |                    |             |      |
| ELEVATION_MAX                                                                                                                                                            | Y NUMBER           | 5,0         |      |
| The maximum elevation in meters where the seed lot originated.                                                                                                           |                    |             |      |
| SEED_PLAN_UNIT_ID                                                                                                                                                        | Y NUMBER           | 10          |      |
| ORCHARD_ID                                                                                                                                                               | Y VARCHAR2         | 3           |      |
| A unique identifier which is assigned to a location where cuttings or A class seed is produced.                                                                          |                    |             |      |

| <b>Entity Name:</b> SEEDLOT AUDIT (cont'd)                                                                                                                                                                                         |            |          | <b>Short Name:</b> | SAUD |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|--------------------|------|
| SECONDARY_ORCHARD_ID                                                                                                                                                                                                               | Y VARCHAR2 | 3        |                    |      |
| A unique identifier which is assigned to a location where cuttings or A class seed is produced.                                                                                                                                    |            |          |                    |      |
| COLLECTION_LOCN_DESC                                                                                                                                                                                                               | Y VARCHAR2 | 30       |                    |      |
| A free format text description of the location where the seed lot originated.                                                                                                                                                      |            |          |                    |      |
| COLLECTION_CLI_NUMBER                                                                                                                                                                                                              | Y VARCHAR2 | 8        |                    |      |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |            |          |                    |      |
| COLLECTION_CLI_LOCN_CD                                                                                                                                                                                                             | Y VARCHAR2 | 2        |                    |      |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |            |          |                    |      |
| COLLECTION_START_DATE                                                                                                                                                                                                              | Y DATE     |          |                    |      |
| The actual start date (year, month, and day) that the cones (source for seed lots) were collected.                                                                                                                                 |            |          |                    |      |
| COLLECTION_END_DATE                                                                                                                                                                                                                | Y DATE     |          |                    |      |
| The actual end date (year, month, and day) that the cones (source for seed lots) were collected.                                                                                                                                   |            |          |                    |      |
| CONE_COLLECTION_METHOD_CODE                                                                                                                                                                                                        | Y VARCHAR2 | 3        |                    |      |
| A code representing the method in which the cones were collected.                                                                                                                                                                  |            |          |                    |      |
| CONE_COLLECTION_METHOD_CODE_2                                                                                                                                                                                                      | Y VARCHAR2 | 3        |                    |      |
| A code representing the method in which the cones were collected.                                                                                                                                                                  |            |          |                    |      |
| COLLECTION_LAT_DEG                                                                                                                                                                                                                 | LATITUDE   | Y NUMBER | 2,0                |      |
| The latitude (degrees portion) for the origin of the exotic seed lot.                                                                                                                                                              |            |          |                    |      |
| COLLECTION_LAT_MIN                                                                                                                                                                                                                 | MINUTES    | Y NUMBER | 2,0                |      |
| The latitude (minutes portion) for the origin of the exotic seed lot.                                                                                                                                                              |            |          |                    |      |
| COLLECTION_LAT_SEC                                                                                                                                                                                                                 | SECONDS    | Y NUMBER | 2,0                |      |
| The latitude (seconds portion) for the origin of the exotic seed lot.                                                                                                                                                              |            |          |                    |      |
| <i>2005-03-14 R.A.Robb (PT#26063)</i>                                                                                                                                                                                              |            |          |                    |      |
| <i>- Added for conformance with Chief Forester's Standards</i>                                                                                                                                                                     |            |          |                    |      |
| COLLECTION_LATITUDE_CODE                                                                                                                                                                                                           | Y VARCHAR2 | 2        |                    |      |
| A code which specifies whether the exotic origin latitude is north ('N') or south ('S').                                                                                                                                           |            |          |                    |      |
| COLLECTION_LONG_DEG                                                                                                                                                                                                                | LONGITUDE  | Y NUMBER | 3,0                |      |
| The longitude (degrees portion) for the origin of the exotic Seed Lot.                                                                                                                                                             |            |          |                    |      |
| COLLECTION_LONG_MIN                                                                                                                                                                                                                | MINUTES    | Y NUMBER | 2,0                |      |
| The longitude (minutes portion) for the origin of the exotic Seed Lot.                                                                                                                                                             |            |          |                    |      |
| COLLECTION_LONG_SEC                                                                                                                                                                                                                | SECONDS    | Y NUMBER | 2,0                |      |
| The longitude (seconds portion) for the origin of the exotic Seed Lot.                                                                                                                                                             |            |          |                    |      |
| <i>2005-03-14 R.A.Robb (PT#26063)</i>                                                                                                                                                                                              |            |          |                    |      |
| <i>- Added for conformance with Chief Forester's Standards</i>                                                                                                                                                                     |            |          |                    |      |
| COLLECTION_LONGITUDE_CODE                                                                                                                                                                                                          | Y VARCHAR2 | 2        |                    |      |
| A code which specifies whether the exotic origin longitude is east ('E') or west ('W').                                                                                                                                            |            |          |                    |      |
| COLLECTION_ELEVATION                                                                                                                                                                                                               | Y NUMBER   | 5,0      |                    |      |
| The representative elevation in meters where the seed lot originated. For orchard seed lots it is a weighted average of the contributing parent trees source elevations.                                                           |            |          |                    |      |
| COLLECTION_ELEVATION_MIN                                                                                                                                                                                                           | Y NUMBER   | 5,0      |                    |      |
| The minimum elevation in meters where the exotic seed lot originated.                                                                                                                                                              |            |          |                    |      |
| COLLECTION_ELEVATION_MAX                                                                                                                                                                                                           | Y NUMBER   | 5,0      |                    |      |
| The maximum elevation in meters where the exotic seed lot originated.                                                                                                                                                              |            |          |                    |      |
| COLLECTION_AREA_RADIUS                                                                                                                                                                                                             | Y NUMBER   | 5,1      |                    |      |
| Radius of the seedlot collection area.                                                                                                                                                                                             |            |          |                    |      |

| <b>Entity Name:</b> SEEDLOT AUDIT (cont'd)                                                                                                                                                                                         |            | Short Name: | SAUD |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------|
| COLLECTION_SEED_PLAN_ZONE_IND                                                                                                                                                                                                      | Y VARCHAR2 | 1           |      |
| Indicates whether the seedlot collection took place in one seed planning zone.                                                                                                                                                     |            |             |      |
| COLLECTION_BGC_IND                                                                                                                                                                                                                 | Y VARCHAR2 | 1           |      |
| Indicates whether the seedlot collection took place in one biogeoclimatic zone.                                                                                                                                                    |            |             |      |
| NO_OF_CONTAINERS                                                                                                                                                                                                                   | Y NUMBER   | 6,2         |      |
| The number of containers (sacks of cones) that were collected.                                                                                                                                                                     |            |             |      |
| CLCTN_VOLUME                                                                                                                                                                                                                       | Y NUMBER   | 6,2         |      |
| The volume in hl (hectolitres) of the cones in the collection as reported on the cone collection form.                                                                                                                             |            |             |      |
| VOL_PER_CONTAINER                                                                                                                                                                                                                  | Y NUMBER   | 6,2         |      |
| The volume of cones, in hectolitres, that were collected per container (as reported on the cone collection form).                                                                                                                  |            |             |      |
| NMBR_TREES_FROM_CODE                                                                                                                                                                                                               | Y VARCHAR2 | 1           |      |
| A code which represents the number of trees that the seed lot was collected from.                                                                                                                                                  |            |             |      |
| EFFECTIVE_POP_SIZE                                                                                                                                                                                                                 | Y NUMBER   | 5,1         |      |
| The calculated number of parents contributing to the seed lot.                                                                                                                                                                     |            |             |      |
| ORIGINAL_SEED_QTY                                                                                                                                                                                                                  | Y NUMBER   | 10,0        |      |
| The original balance of seed in grams for the seed lot.                                                                                                                                                                            |            |             |      |
| INTERM_STRG_ST_DATE                                                                                                                                                                                                                | Y DATE     |             |      |
| The actual start date (year, month, and day) when the cone was stored during interim storage.                                                                                                                                      |            |             |      |
| INTERM_STRG_END_DATE                                                                                                                                                                                                               | Y DATE     |             |      |
| The actual end date (year, month, and day) when the cone was stored during interim storage.                                                                                                                                        |            |             |      |
| INTERM_FACILITY_CODE                                                                                                                                                                                                               | Y VARCHAR2 | 3           |      |
| A code which represents the type of facility where the seed was stored during interim storage.                                                                                                                                     |            |             |      |
| INTERM_STRG_LOCN                                                                                                                                                                                                                   | Y VARCHAR2 | 55          |      |
| The location where the tree seed was stored during interim storage.                                                                                                                                                                |            |             |      |
| INTERM_STRG_CMT                                                                                                                                                                                                                    | Y VARCHAR2 | 125         |      |
| A free format text field used to enter general comments for interim storage.                                                                                                                                                       |            |             |      |
| EXTRACTION_ST_DATE                                                                                                                                                                                                                 | Y DATE     |             |      |
| The actual start date (year, month, and day) when the seed was extracted from the cones.                                                                                                                                           |            |             |      |
| EXTRACTION_END_DATE                                                                                                                                                                                                                | Y DATE     |             |      |
| The actual end date (year, month, and day) when the seed was extracted from the cones.                                                                                                                                             |            |             |      |
| EXTRACTION_VOLUME                                                                                                                                                                                                                  | Y NUMBER   | 6,2         |      |
| The volume in hl (hectolitres) of cones processed at the extractory.                                                                                                                                                               |            |             |      |
| EXTRCT_CLI_NUMBER                                                                                                                                                                                                                  | Y VARCHAR2 | 8           |      |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |            |             |      |
| EXTRCT_CLI_LOCN_CD                                                                                                                                                                                                                 | Y VARCHAR2 | 2           |      |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |            |             |      |
| EXTRACTION_COMMENT                                                                                                                                                                                                                 | Y VARCHAR2 | 125         |      |
| A free format text field used to enter general comments about extraction.                                                                                                                                                          |            |             |      |
| STORED_CLI_NUMBER                                                                                                                                                                                                                  | Y VARCHAR2 | 8           |      |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |            |             |      |
| STORED_CLI_LOCN_CD                                                                                                                                                                                                                 | Y VARCHAR2 | 2           |      |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting                                               |            |             |      |

| <b>Entity Name:</b> SEEDLOT AUDIT (cont'd)                                                                                                                                                                                                                                                       |            | Short Name: | SAUD |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------|
| with '00' for the client's permanent address.                                                                                                                                                                                                                                                    |            |             |      |
| LNGTERM_STRG_ST_DATE                                                                                                                                                                                                                                                                             | Y DATE     |             |      |
| The actual start date (year, month and day) when the cone was stored during long-term storage at the Tree Seed Centre.                                                                                                                                                                           |            |             |      |
| HISTORICAL_TSR_DATE                                                                                                                                                                                                                                                                              | Y DATE     |             |      |
| The date (year, month and day) when the seed lot was added to the old Tree Seed Registry system. This date was carried forward to SPAR.                                                                                                                                                          |            |             |      |
| OWNERSHIP_COMMENT                                                                                                                                                                                                                                                                                | Y VARCHAR2 | 4000        |      |
| A free format text field used to enter general comments for the tree seed ownership.                                                                                                                                                                                                             |            |             |      |
| CONE_SEED_DESC                                                                                                                                                                                                                                                                                   | Y VARCHAR2 | 250         |      |
| A free format text description about the cone/seed condition.                                                                                                                                                                                                                                    |            |             |      |
| SEEDLOT_COMMENT                                                                                                                                                                                                                                                                                  | Y VARCHAR2 | 2000        |      |
| A free format text field used to enter general comments for a seedlot.                                                                                                                                                                                                                           |            |             |      |
| TEMPORARY_STORAGE_START_DATE                                                                                                                                                                                                                                                                     | Y DATE     |             |      |
| Commencement date of temporary seedlot storage                                                                                                                                                                                                                                                   |            |             |      |
| TEMPORARY_STORAGE_END_DATE                                                                                                                                                                                                                                                                       | Y DATE     |             |      |
| End date of seedlot temporary storage                                                                                                                                                                                                                                                            |            |             |      |
| COLLECTION_STANDARD_MET_IND                                                                                                                                                                                                                                                                      | Y VARCHAR2 | 1           |      |
| Indicates whether the seedlot meets the superior provenance standards in appendix 5 of the chief forester's standards for seed use.                                                                                                                                                              |            |             |      |
| APPLICANT_EMAIL_ADDRESS                                                                                                                                                                                                                                                                          | Y VARCHAR2 | 100         |      |
| Email address of client applying to register the seedlot                                                                                                                                                                                                                                         |            |             |      |
| APPLICANT_CLIENT_NUMBER                                                                                                                                                                                                                                                                          | Y VARCHAR2 | 8           |      |
| Client number of the seedlot registration applicant                                                                                                                                                                                                                                              |            |             |      |
| APPLICANT_CLIENT_LOCN                                                                                                                                                                                                                                                                            | Y VARCHAR2 | 2           |      |
| The client location code of the seedlot registration applicant                                                                                                                                                                                                                                   |            |             |      |
| BIOTECH_PROCESSES_IND                                                                                                                                                                                                                                                                            | Y VARCHAR2 | 1           |      |
| Indicates if biotechnological processes been used to produce this lot.                                                                                                                                                                                                                           |            |             |      |
| POLLEN_CONTAMINATION_IND                                                                                                                                                                                                                                                                         | Y VARCHAR2 | 1           |      |
| Indicates if pollen contamination was present in the seed orchard                                                                                                                                                                                                                                |            |             |      |
| POLLEN_CONTAMINATION_PCT                                                                                                                                                                                                                                                                         | Y NUMBER   | 3           |      |
| The proportion of contaminant pollen present in the seed orchard.                                                                                                                                                                                                                                |            |             |      |
| CONTROLLED_CROSS_IND                                                                                                                                                                                                                                                                             | Y VARCHAR2 | 1           |      |
| Indicates whether the lot was produced through controlled crosses.                                                                                                                                                                                                                               |            |             |      |
| ORCHARD_COMMENT                                                                                                                                                                                                                                                                                  | Y VARCHAR2 | 2000        |      |
| Comments on cone or seed condition, collection origin, source, etc.                                                                                                                                                                                                                              |            |             |      |
| TOTAL_PARENT_TREES                                                                                                                                                                                                                                                                               | Y NUMBER   | 5           |      |
| Total number of parent trees.                                                                                                                                                                                                                                                                    |            |             |      |
| SMP_PARENTS_OUTSIDE                                                                                                                                                                                                                                                                              | Y NUMBER   | 5           |      |
| SMP_MEAN_BV_GROWTH                                                                                                                                                                                                                                                                               | Y NUMBER   | 4,1         |      |
| SMP_SUCCESS_PCT                                                                                                                                                                                                                                                                                  | Y NUMBER   | 3           |      |
| CONTAMINANT_POLLEN_BV                                                                                                                                                                                                                                                                            | Y NUMBER   | 4,1         |      |
| ORCHARD_CONTAMINATION_PCT                                                                                                                                                                                                                                                                        | Y NUMBER   | 3           |      |
| COANCESTRY                                                                                                                                                                                                                                                                                       | Y NUMBER   | 20,10       |      |
| This value was taken from the SeedlotCertificationTemplate.xls (2005 version with Coancestry - sheet reference 'PiPj Cij'!P1) as used by the Tree Seed Centre to calculate Genetic Worth, Effective Population Size and Collection Geography prior to this functionality being included in SPAR. |            |             |      |
| This value is used in calculating Effective Population Size when coancestry is considered.                                                                                                                                                                                                       |            |             |      |

**Entity Name:** SEEDLOT AUDIT (cont'd)

Short Name:

SAUD

It represents:

COANCESTRY = SUM( (Male Proportional Contribution \* Female Proportional Contribution) \* (Coancestry Value) )

"Coancestry Value" is a number assigned by the breeder to Parent Tree combinations where Coancestry was involved. This value is not stored in SPAR. It is merely a means to arrive at the COANCESTRY value.

Note that the following items are calculated in SPAR for purposes of calculating Genetic Worth and Effective Population Size but are not stored:

- Male Proportional Contribution
- Female Proportional Contribution

2006-01-12 R.A.Robb (PT#28861)

- added for calculation of Effective Population Size (with coancestry considered)

|                                                                                                                                                                                                                                                       |              |   |          |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|----------|-----|
| PROVENANCE ID                                                                                                                                                                                                                                         |              | Y | NUMBER   | 5   |
| Superior provenance surrogate key.                                                                                                                                                                                                                    |              |   |          |     |
| SEED STORE CLIENT NUMBER                                                                                                                                                                                                                              |              | Y | VARCHAR2 | 8   |
| client number of the facility for seed storage                                                                                                                                                                                                        |              |   |          |     |
| SEED STORE CLIENT LOCN                                                                                                                                                                                                                                |              | Y | VARCHAR2 | 2   |
| client location code of the facility for seed storage                                                                                                                                                                                                 |              |   |          |     |
| BGC_ZONE_CODE                                                                                                                                                                                                                                         |              | Y | VARCHAR2 | 4   |
| BGC_SUBZONE_CODE                                                                                                                                                                                                                                      |              | Y | VARCHAR2 | 3   |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |              |   |          |     |
| VARIANT                                                                                                                                                                                                                                               |              | Y | VARCHAR2 | 1   |
| A division of biogeoclimatic information. A unit of site classification defined as all land areas capable of producing vegetation belonging to the same plant association at climax, within a subzone or variant. A division of the site association. |              |   |          |     |
| BEC VERSION ID                                                                                                                                                                                                                                        |              | Y | NUMBER   | 10  |
| ENTRY_USERID                                                                                                                                                                                                                                          | AUDIT_USERID | N | VARCHAR2 | 30  |
| The userid of the individual that entered the Seed Lot.                                                                                                                                                                                               |              |   |          |     |
| ENTRY_TIMESTAMP                                                                                                                                                                                                                                       | AUDIT_DATE   | N | DATE     |     |
| The time and date a Seed Lot was entered onto the system.                                                                                                                                                                                             |              |   |          |     |
| UPDATE_USERID                                                                                                                                                                                                                                         | AUDIT_USERID | N | VARCHAR2 | 30  |
| The userid of the individual that changed the Seed Lot.                                                                                                                                                                                               |              |   |          |     |
| UPDATE_TIMESTAMP                                                                                                                                                                                                                                      | AUDIT_DATE   | N | DATE     |     |
| The time and date a Seed Lot was last updated on the system.                                                                                                                                                                                          |              |   |          |     |
| APPROVED_USERID                                                                                                                                                                                                                                       | AUDIT_USERID | Y | VARCHAR2 | 30  |
| The userid of the individual that approved the Seed Lot's information.                                                                                                                                                                                |              |   |          |     |
| APPROVED_TIMESTAMP                                                                                                                                                                                                                                    | AUDIT_DATE   | Y | DATE     |     |
| The time and date a Seed Lot's information was approved.                                                                                                                                                                                              |              |   |          |     |
| DECLARED_USERID                                                                                                                                                                                                                                       |              | Y | VARCHAR2 | 30  |
| The userid of the individual that declares the following:                                                                                                                                                                                             |              |   |          |     |
| - that the information is true and correct                                                                                                                                                                                                            |              |   |          |     |
| - that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application                                                                                                                                              |              |   |          |     |
| DECLARED_TIMESTAMP                                                                                                                                                                                                                                    |              | Y | DATE     |     |
| The date and time that the following were declared by the declarer:                                                                                                                                                                                   |              |   |          |     |
| - that the information is true and correct                                                                                                                                                                                                            |              |   |          |     |
| - that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application                                                                                                                                              |              |   |          |     |
| REVISION_COUNT                                                                                                                                                                                                                                        | REVISION_CNT | N | NUMBER   | 5,0 |
| A counter used to ensure data integrity. This item should be incremented during each                                                                                                                                                                  |              |   |          |     |

**Entity Name:** SEEDLOT AUDIT (cont'd)*Short Name:*

SAUD

update.

\* = *Attributes in primary unique identifier.***Relationships:***Each Occurrence Of This Entity:*

MAY BE is described by one and only one BGC ZONE CODE

MUST BE is described by one and only one COLLECTION LATITUDE CODE

MUST BE is described by one and only one COLLECTION LONGITUDE CODE

MAY BE is described by one and only one COLLECTION SOURCE CODE

MAY BE is described by one and only one CONE COLLECTION METHOD CODE

MAY BE describes female parent tree contribution for one and only one GAMETIC MTHD CODE

MAY BE describes male parent tree contribution for one and only one GAMETIC MTHD CODE

MAY BE is described by one and only one GENETIC CLASS CODE

MAY BE is described by one and only one INTERM FACILITY CODE

MAY BE is described by one and only one NAD DATUM CODE

MAY BE is described by one and only one NMBR TREES FROM CODE

MAY BE is described by one and only one POLLEN CONTAMINATION MTHD CODE

MAY BE is described by one and only one SEED COAST AREA CODE

MAY BE collected from one and only one SEED PLAN ZONE CODE

MAY BE is described by one and only one SEEDLOT SOURCE CODE

MUST BE is described by one and only one SEEDLOT STATUS CODE

MUST BE audit reason described by one and only one SPAR AUDIT CODE

\* = *Relationships in primary unique identifier.***Unique Identifiers:**SEEDLOT\_PK *Primary Y**SEEDLOT AUDIT ID***Notes:**

2005-02-14 R.A.Robb

- Added

2005-03-14 R.A.Robb (PT#26063)

- added COLLECTION\_LAT\_SEC and COLLECTION\_LONG\_SEC to comply with Chief Forester's Standards

2006-01-12 R.A.Robb (PT#28861)

- added COANCESTRY attribute for calculation of Effective Population Size (with coancestry considered)

|                                            |                        |                     |                            |                     |       |
|--------------------------------------------|------------------------|---------------------|----------------------------|---------------------|-------|
| <b>Entity Name:</b> SEEDLOT CHARACTERISTIC |                        |                     |                            | <b>Short Name:</b>  | SC1   |
| <b>Plural:</b>                             | SEEDLOT CHARACTERISTIC |                     |                            |                     |       |
| <b>Init. Volume:</b>                       | 7000                   | <b>Avg. Volume:</b> | 3500                       | <b>Max. Volume:</b> | 21000 |
|                                            |                        |                     | <b>Annual Growth Rate:</b> |                     |       |

Description:

Text which describes the general characteristics of the sees lot. It may include past performance comments or information about the seed lot from testing.

Attributes:

| <u>Name</u>                                                                                                                                                                                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                                                                                                                             |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                                                  |               |            |               |               |
| * LINE_ID                                                                                                                                                                                                                                    |               | N          | NUMBER        | 5,0           |
| The identifier for a line of text which describes the general characteristics of the seed lot.                                                                                                                                               |               |            |               |               |
| LOT_CHARACTERISTIC                                                                                                                                                                                                                           |               | Y          | VARCHAR2      | 75            |
| A line of text which describes the general characteristics of the seed lot. It may include past collection, processing, and/or nursery culture performance comments or information about the seed lot from standard lab or bioassay testing. |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                               | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                 |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is described by one and only one SEEDLOT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                           |         |   |
|---------------------------|---------|---|
| SEEDLOT_CHARACTERISTIC_PK | Primary | Y |
| SEEDLOT_NUMBER            |         |   |
| LINE_ID                   |         |   |

**Entity Name:** SEEDLOT COLLECTION GEOMETRY**Short Name:** SCAGEOM**Plural:** SEEDLOT COLLECTION GEOMETRY**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Captures the area (polygon) in the Province where a Seedlot from a Natural Stand (i.e. Genetic Class = 'B') was collected. The polygon is drawn by the user through the seedmap area collection tool.

**Attributes:**

| <u>Name</u>                                                                                                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| GEOMETRY                                                                                                                                                                |               | N          | IMAGE         |               |
| Spatial information describing the Seedlot's collection area (polygon) within the province.<br>For lots collection from Natural Stands (i.e. genetic class = 'B') only. |               |            |               |               |
| FEATURE AREA                                                                                                                                                            |               | N          | NUMBER        | 14,4          |
| Spatial feature area in hectares.                                                                                                                                       |               |            |               |               |
| FEATURE PERIMETER                                                                                                                                                       |               | N          | NUMBER        | 14,4          |
| Spatial perimeter length in kilometer.                                                                                                                                  |               |            |               |               |
| OBSERVATION DATE                                                                                                                                                        |               | Y          | DATE          |               |
| The date that the collection area was observed.                                                                                                                         |               |            |               |               |
| ENTRY USERID                                                                                                                                                            |               | N          | VARCHAR2      | 30            |
| The userId associated with adding, approving or updating the changes to an associated record.                                                                           |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                                         |               | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                                    |               |            |               |               |
| UPDATE USERID                                                                                                                                                           |               | N          | VARCHAR2      | 30            |
| The userId associated with adding, approving or updating the changes to an associated record.                                                                           |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                                        |               | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                                    |               |            |               |               |
| REVISION COUNT                                                                                                                                                          |               | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.                                                                                 |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE feature type described one and only one FEATURE CLASS

\* MUST BE collection area defined one and only one SEEDLOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SCAGEOM Primary Y

MUST BE collection area defined one and only one SEEDLOT

**Entity Name:** SEEDLOT GENETIC WORTH

Short Name:

SGW

Plural: SEEDLOT GENETIC WORTH

Init. Volume: 250

Avg. Volume: 100

Max. Volume: 700

Annual Growth Rate:

**Description:**

A subclassification of genetic quality for 'A' class seed lots.

**Attributes:**

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                            |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time. |               |            |               |               |
| * GENETIC_WORTH_CODE                                                                                                                        |               | N          | VARCHAR2      | 1             |
| A code which represents a subclassification of genetic quality for 'A' class seed lots.                                                     |               |            |               |               |
| GENETIC_WORTH_RTNG                                                                                                                          |               | N          | NUMBER        | 5,0           |
| The rating for a subclassification of genetic quality for 'A' class seed lots.                                                              |               |            |               |               |
| ENTRY_USERID                                                                                                                                | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the Seed Lot Genetic Worth.                                                                       |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                              |               |            |               |               |
| - Added to enable auditing                                                                                                                  |               |            |               |               |
| ENTRY_TIMESTAMP                                                                                                                             | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Seed Lot Genetic Worth was entered onto the system.                                                                     |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                              |               |            |               |               |
| - Added to enable auditing                                                                                                                  |               |            |               |               |
| UPDATE_USERID                                                                                                                               | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the Seed Lot Genetic Worth.                                                                       |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                              |               |            |               |               |
| - Added to enable auditing                                                                                                                  |               |            |               |               |
| UPDATE_TIMESTAMP                                                                                                                            | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Seed Lot Genetic Worth was last updated on the system.                                                                  |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                              |               |            |               |               |
| - Added to enable auditing                                                                                                                  |               |            |               |               |
| REVISION_COUNT                                                                                                                              | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one GENETIC WORTH CODE

MUST BE rates one and only one SEEDLOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                            |         |   |
|----------------------------|---------|---|
| I1\$_SEEDLOT_GENETIC_WORTH | Primary | N |
| GENETIC_WORTH_CODE         |         |   |
| SEEDLOT_NUMBER             |         |   |
| GENETIC_WORTH_PK           | Primary | Y |
| SEEDLOT_NUMBER             |         |   |
| GENETIC_WORTH_CODE         |         |   |

**Notes:**

2005-02-14 R.A.Robb (PT#25601)

-Added ENTRY USERID, ENTRY TIMESTAMP, UPDATE USERID, UPDATE TIMESTAMP in conjunction with adding

|                     |                                |                    |     |
|---------------------|--------------------------------|--------------------|-----|
| <b>Entity Name:</b> | SEEDLOT GENETIC WORTH (cont'd) | <i>Short Name:</i> | SGW |
|---------------------|--------------------------------|--------------------|-----|

SEEDLOT GENETIC WORTH AUDIT entity

**Entity Name:** SEEDLOT GENETIC WORTH AUDIT**Short Name:** SGWA**Plural:** SEEDLOT GENETIC WORTH AUDITS**Init. Volume:** 250**Avg. Volume:** 100**Max. Volume:** 700**Annual Growth Rate:****Description:**

Audits modifications to SEEDLOT GENETIC WORTH.

**Attributes:**

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT GENETIC WORTH AUDIT ID                                                                                                            |               | N          | NUMBER        | 10            |
| A sequence used to identify a unique instance of a Seed Lot Genetic Worth Audit.                                                            |               |            |               |               |
| AUDIT_DATE                                                                                                                                  |               | N          | DATE          |               |
| The date and time the audit record was created.                                                                                             |               |            |               |               |
| SEEDLOT NUMBER                                                                                                                              |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time. |               |            |               |               |
| GENETIC WORTH CODE                                                                                                                          |               | N          | VARCHAR2      | 1             |
| A code which represents a subclassification of genetic quality for 'A' class seed lots.                                                     |               |            |               |               |
| GENETIC WORTH RTNG                                                                                                                          |               | N          | NUMBER        | 5,0           |
| The rating for a subclassification of genetic quality for 'A' class seed lots.                                                              |               |            |               |               |
| ENTRY USERID                                                                                                                                | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the Seed Lot Genetic Worth.                                                                       |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                             | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Seed Lot Genetic Worth was entered onto the system.                                                                     |               |            |               |               |
| UPDATE USERID                                                                                                                               | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the Seed Lot Genetic Worth.                                                                       |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                            | AUDIT_DATE    | N          | DATE          |               |
| The time and date the Seed Lot Genetic Worth was last updated on the system.                                                                |               |            |               |               |
| REVISION COUNT                                                                                                                              | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one GENETIC WORTH CODE

MUST BE audit reason described by one and only one SPAR AUDIT CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

GENETIC\_WORTH\_PK Primary Y

SEEDLOT GENETIC WORTH AUDIT ID

**Notes:**

2005-02-14 R.A.Robb

-Added ENTRY USERID, ENTRY TIMESTAMP, UPDATE USERID, UPDATE TIMESTAMP in conjunction with adding SEEDLOT GENETIC WORTH AUDIT entity

**Entity Name:** SEEDLOT GEOMETRY**Short Name:** SLGEOM**Plural:** SEEDLOT GEOMETRY**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Captures the location (point) in the Province where a Seedlot from a Natural Stand (i.e. Genetic Class = 'B') was collected. The point is generated from the Seedlot's collection latitude and longitude, to the second.

**Attributes:**

| <u>Name</u>                                                                                                                                               | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| GEOMETRY                                                                                                                                                  |                 | N          | IMAGE         |               |
| Spatial information describing the Seedlot's source (point) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only. |                 |            |               |               |
| ENTRY USERID                                                                                                                                              | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.                                                             |                 |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                           | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                      |                 |            |               |               |
| UPDATE USERID                                                                                                                                             | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.                                                             |                 |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                          | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                      |                 |            |               |               |
| REVISION COUNT                                                                                                                                            | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.                                                                   |                 |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE described by one and only one CORP CAPTURE METHOD

MAY BE described by one and only one DATA SOURCE CODE

MUST BE feature type described by one and only one FEATURE CLASS

\* MUST BE defines source location for one and only one SEEDLOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SLGEOM Primary Y

MUST BE defines source location for one and only one SEEDLOT

|                                      |  |                         |  |                            |  |
|--------------------------------------|--|-------------------------|--|----------------------------|--|
| <b>Entity Name:</b> SEEDLOT HERITAGE |  |                         |  | <i>Short Name:</i> SH      |  |
| <i>Plural:</i> SEEDLOT HERITAGE      |  |                         |  |                            |  |
| <i>Init. Volume:</i> 2000            |  | <i>Avg. Volume:</i> 100 |  | <i>Max. Volume:</i> 2500   |  |
|                                      |  |                         |  | <i>Annual Growth Rate:</i> |  |

**Description:**

The parental relationships between seed lots. A seed lot may be derived from one or more 'parent' seed lots either because the parent lot was split or because several parent lots were combined. A seed lot may also have 'child' lots by the same processes.

**Attributes:**

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * PARENT_SEEDLOT_NO                                                                                                                         |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time. |               |            |               |               |
| * CHILD_SEEDLOT_NO                                                                                                                          |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time. |               |            |               |               |
| REVISION_COUNT                                                                                                                              | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                |               |            |               |               |
| REFERENCE_ID_DESC                                                                                                                           |               | Y          | VARCHAR2      | 30            |
| A reference identifier assigned to a transaction that affects the heritage of a seedlot.                                                    |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MUST BE is a child defined by one and only one SEEDLOT

MUST BE is a parent defined by one and only one SEEDLOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                     |         |   |
|---------------------|---------|---|
| SEEDLOT_HERITAGE_PK | Primary | Y |
| PARENT_SEEDLOT_NO   |         |   |
| CHILD_SEEDLOT_NO    |         |   |

|                                      |                  |                     |                            |                         |
|--------------------------------------|------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SEEDLOT OVERRIDE |                  |                     | <i>Short Name:</i>         | SO1                     |
| <i>Plural:</i>                       | SEEDLOT OVERRIDE |                     |                            |                         |
| <i>Init. Volume:</i>                 | 0                | <i>Avg. Volume:</i> | 50                         | <i>Max. Volume:</i> 250 |
|                                      |                  |                     | <i>Annual Growth Rate:</i> |                         |

Description:

An override reason for cancellation of a seedlot or the change in seedlot registration if policy is not met.

Attributes:

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                            |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time. |               |            |               |               |
| * ENTRY_TIMESTAMP                                                                                                                           | AUDIT_DATE    | N          | DATE          |               |
| The date the override was applied.                                                                                                          |               |            |               |               |
| * ENTRY_TIMESTAMP_MS                                                                                                                        |               | N          | NUMBER        | 10,0          |
| The millisecond portion the override was applied.                                                                                           |               |            |               |               |
| ENTRY_USERID                                                                                                                                | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid associated with applying the override.                                                                                           |               |            |               |               |
| EXCEPTION_CAUSE_CODE                                                                                                                        |               | N          | VARCHAR2      | 3             |
| A code which identifies the cause of the exception for which the override was supplied.                                                     |               |            |               |               |
| OVERRIDE_DESC                                                                                                                               |               | Y          | VARCHAR2      | 180           |
| The reason given for the override.                                                                                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is described by one and only one EXCEPTION CAUSE CODE

MUST BE is applied for one and only one SEEDLOT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                     |         |   |
|---------------------|---------|---|
| SEEDLOT_OVERRIDE_PK | Primary | Y |
| SEEDLOT_NUMBER      |         |   |
| ENTRY_TIMESTAMP     |         |   |
| ENTRY_TIMESTAMP_MS  |         |   |

**Entity Name:** SEEDLOT OWNER QUANTITY**Short Name:**

SOQ

**Plural:** SEEDLOT OWNER QUANTITY**Init. Volume:** 10000**Avg. Volume:** 1000**Max. Volume:** 15000**Annual Growth Rate:****Description:**

A seed lot may be owned by more than one owner. Each owner owns a specific quantity of seed which may be reserved for the use of that owner and/or surplus and available for use by others.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                                                                                                                   |               | N VARCHAR2               | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                                        |               |                          |               |
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N VARCHAR2               | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |                          |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N VARCHAR2               | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |                          |               |
| ORIGINAL_PCT_OWNED                                                                                                                                                                                                                 |               | N NUMBER                 | 4,1           |
| The original percentage of seed that was owned by a client.                                                                                                                                                                        |               |                          |               |
| ORIGINAL_PCT_RSRVD                                                                                                                                                                                                                 |               | N NUMBER                 | 4,1           |
| The original percentage of seed from an owner's portion of a seed lot that has been declared surplus.                                                                                                                              |               |                          |               |
| ORIGINAL_PCT_SRPLS                                                                                                                                                                                                                 |               | N NUMBER                 | 4,1           |
| The original percentage of seed from an owner's portion of a seed lot that has been declared surplus.                                                                                                                              |               |                          |               |
| QTY_RESERVED                                                                                                                                                                                                                       |               | N NUMBER                 | 10,0          |
| The amount of seed in grams from an owner's portion of a seed lot that has been declared reserved. The reserved portion can only be requested by the seed lot's owner.                                                             |               |                          |               |
| QTY_RSRVD_CMTD_PLN                                                                                                                                                                                                                 |               | N NUMBER                 | 10,0          |
| The amount of reserved seed in grams from an owner's portion of a seed lot that has been committed on a Request that is Planned.                                                                                                   |               |                          |               |
| QTY_RSRVD_CMTD_APR                                                                                                                                                                                                                 |               | N NUMBER                 | 10,0          |
| The amount of reserved seed in grams from an owner's portion of a seed lot that has been committed on a Request that is Approved.                                                                                                  |               |                          |               |
| QTY_SURPLUS                                                                                                                                                                                                                        |               | N NUMBER                 | 10,0          |
| The amount of seed in grams from an owner's portion of a seed lot that has been declared surplus. Surplus amounts may be requested by anyone.                                                                                      |               |                          |               |
| QTY_SRPLS_CMTD_PLN                                                                                                                                                                                                                 |               | N NUMBER                 | 10,0          |
| The amount of surplus seed in grams from an owner's portion of a seed lot that has been committed on a Request that is Planned.                                                                                                    |               |                          |               |
| QTY_SRPLS_CMTD_APR                                                                                                                                                                                                                 |               | N NUMBER                 | 10,0          |
| The amount of surplus seed in grams from an owner's portion of a seed lot that has been committed on a Request that is Approved.                                                                                                   |               |                          |               |
| AUTHORIZATION_CODE                                                                                                                                                                                                                 |               | Y VARCHAR2               | 3             |
| A code which represents the form by which authority for the Cone and Seed Processing request of the seedlot was received.                                                                                                          |               |                          |               |
| METHOD_OF_PAYMENT_CODE                                                                                                                                                                                                             |               | Y VARCHAR2               | 3             |
| A code which represents the method of payment for services where payment is required.                                                                                                                                              |               |                          |               |
| SPAR_FUND_SRCE_CODE                                                                                                                                                                                                                |               | Y VARCHAR2               | 3             |
| A code which represents the source funds for payment of the request.                                                                                                                                                               |               |                          |               |
| REVISION_COUNT                                                                                                                                                                                                                     | REVISION_CNT  | N NUMBER                 | 5,0           |

|              |                                 |             |     |
|--------------|---------------------------------|-------------|-----|
| Entity Name: | SEEDLOT OWNER QUANTITY (cont'd) | Short Name: | SOQ |
|--------------|---------------------------------|-------------|-----|

A counter used to ensure data integrity. This item should be incremented during each update.

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE is described by one and only one AUTHORIZATION CODE
- MUST BE is owned by one and only one CLIENT LOCATION
- MAY BE is described by one and only one METHOD OF PAYMENT CODE
- MUST BE is owned by one and only one SEEDLOT
- MAY BE is referred by one or more SEEDLOT TRANSACTION
- MAY BE is described by one and only one SPAR FUND SRCE CODE

\* = Relationships in primary unique identifier.

Unique Identifiers:

- I1\$\_SEEDLOT\_OWNER\_QUANTITY    Primary   N
  - CLIENT\_NUMBER
  - CLIENT\_LOCN\_CODE
  - SEEDLOT\_NUMBER
- SEEDLOT\_OWNER\_QUANTITY\_PK    Primary   Y
  - SEEDLOT\_NUMBER
  - CLIENT\_NUMBER
  - CLIENT\_LOCN\_CODE

**Entity Name:** SEEDLOT PARENT TREE

Short Name:

SPT

Plural: SEEDLOT PARENT TREE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Manages the association between Seedlots and Parent Trees.

**Attributes:**

| <u>Name</u>                                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| CONE COUNT                                                                                              |               | N          | NUMBER        | 20,10         |
| Number of cones used for the seedlot                                                                    |               |            |               |               |
| POLLEN COUNT                                                                                            |               | N          | NUMBER        | 20,10         |
| Amount of pollen used for the seedlot                                                                   |               |            |               |               |
| SMP SUCCESS PCT                                                                                         |               | Y          | NUMBER        | 3             |
| The supplementary mass pollination success on parent (%)                                                |               |            |               |               |
| SMP MIX BV GROWTH                                                                                       |               | Y          | NUMBER        | 4,1           |
| Breeding value for the Growth trait of supplementary mass pollination mix used on parent                |               |            |               |               |
| 2006-08-22 R.A.Robb (Rls 3.1)                                                                           |               |            |               |               |
| - renamed from SMP MIX BV to SMP MIX BV G                                                               |               |            |               |               |
| SMP MIX BV RESISTANCE                                                                                   |               | Y          | NUMBER        | 4,1           |
| Breeding value for the Pest Resistance trait of supplementary mass pollination mix used on parent       |               |            |               |               |
| 2006-08-22 R.A.Robb (Rls 3.1)                                                                           |               |            |               |               |
| - added                                                                                                 |               |            |               |               |
| SMP MIX BV DENSITY                                                                                      |               | Y          | NUMBER        | 4,1           |
| Breeding value for the Density trait of supplementary mass pollination mix used on parent               |               |            |               |               |
| 2006-11-20 R.A.Robb (Rls 3.2)                                                                           |               |            |               |               |
| - added                                                                                                 |               |            |               |               |
| SMP MIX BV MAJOR GENE                                                                                   |               | Y          | NUMBER        | 4,1           |
| Breeding value for the Major Gene Resistance trait of supplementary mass pollination mix used on parent |               |            |               |               |
| 2006-11-20 R.A.Robb (Rls 3.2)                                                                           |               |            |               |               |
| - added                                                                                                 |               |            |               |               |
| SMP MIX LATITUDE DEGREES                                                                                |               | Y          | NUMBER        | 2             |
| Mean degrees latitude of supplementary mass pollination mix used on parent                              |               |            |               |               |
| SMP MIX LATITUDE MINUTES                                                                                |               | Y          | NUMBER        | 2             |
| Mean minutes latitude of supplementary mass pollination mix used on parent                              |               |            |               |               |
| SMP MIX LONGITUDE DEGREES                                                                               |               | Y          | NUMBER        | 3             |
| Mean degrees longitude of supplementary mass pollination mix used on parent                             |               |            |               |               |
| SMP MIX LONGITUDE MINUTES                                                                               |               | Y          | NUMBER        | 2             |
| Mean minutes longitude of supplementary mass pollination mix used on parent                             |               |            |               |               |
| SMP MIX ELEVATION                                                                                       |               | Y          | NUMBER        | 5             |
| Mean elevation of supplementary mass pollination mix used on parent                                     |               |            |               |               |
| NON ORCHARD POLLEN CONTAM PCT                                                                           |               | Y          | NUMBER        | 3             |
| Non-orchard pollen contamination (%)                                                                    |               |            |               |               |
| TOTAL GENETIC WORTH CONTRIB                                                                             |               | N          | NUMBER        |               |
| Total Parent (seed) genetic worth contribution to seedlot                                               |               |            |               |               |
| REVISION COUNT                                                                                          |               | N          | NUMBER        | 5             |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

|                     |                              |                    |     |
|---------------------|------------------------------|--------------------|-----|
| <b>Entity Name:</b> | SEEDLOT PARENT TREE (cont'd) | <i>Short Name:</i> | SPT |
|---------------------|------------------------------|--------------------|-----|

- \* MUST BE composed of one and only one PARENT TREE
  - \* MUST BE is composed of one and only one PARENT TREE
  - \* MUST BE contributes to one and only one SEEDLOT
- MAY BE contribution defined by one or more SEEDLOT PARENT TREE GEN QLTY
- \* = *Relationships in primary unique identifier.*

Unique Identifiers:

|                                                            |         |   |
|------------------------------------------------------------|---------|---|
| SPT                                                        | Primary | Y |
| <i>MUST BE contributes to one and only one SEEDLOT</i>     |         |   |
| <i>MUST BE composed of one and only one PARENT TREE</i>    |         |   |
| <i>MUST BE is composed of one and only one PARENT TREE</i> |         |   |

Notes:

- PARENT TREE SUBSYSTEM
- 2006-08-22 R.A.Robb (Rls 3.1)
- renamed SMP MIX BV to SMP MIX BV GROWTH
  - added SMP MIX BV RESISTANCE
- 2006-11-20 R.A.Robb (Rls 3.2)
- added SMP MIX BV DENSITY and SMP MIX BV MAJOR GENE

**Entity Name:** SEEDLOT PARENT TREE GEN QLTY**Short Name:**

SPTGQ

**Plural:** SEEDLOT PARENT TREE GEN QLTY**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:****Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| GENETIC QUALITY VALUE                                                                                                                                                                                                                                                                              |               | N          | NUMBER        | 4,1           |
| ESTIMATED IND                                                                                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 1             |
| Indicates whether or not the test result was estimated. A Genetic Quality value of 2.0 is estimated for Untested Parent Trees (i.e. Parent Trees without an Area of Use) or for Tested Parent Trees (i.e. Parent Trees with an Area of Use) without a Genetic Quality value for the desired Trait. |               |            |               |               |
| UNTESTED IND                                                                                                                                                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| Indicates whether or not the test result was estimated for an untested Parent Tree.                                                                                                                                                                                                                |               |            |               |               |
| REVISION COUNT                                                                                                                                                                                                                                                                                     |               | N          | NUMBER        | 5             |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

- \* MUST BE test result is of type one and only one GENETIC TYPE CODE
- \* MUST BE from one and only one GENETIC WORTH CODE
- MAY BE tested in one and only one SEED PLAN UNIT
- \* MUST BE registered test results for one and only one SEEDLOT PARENT TREE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SPTGQ

Primary Y

MUST BE registered test results for one and only one SEEDLOT PARENT TREE

MUST BE test result is of type one and only one GENETIC TYPE CODE

MUST BE from one and only one GENETIC WORTH CODE

**Notes:**

2005-09-15 R.A.Robb

- changed relationship to SEED PLAN UNI to optional to allow for untested parent trees with no area of use as per Chief Forester's Standards

**Entity Name:** SEEDLOT PHYSICAL BALANCE

Short Name:

SP1

Plural: SEEDLOT PHYSICAL BALANCE

Init. Volume: 0

Avg. Volume: 10000

Max. Volume: 50000

Annual Growth Rate:

**Description:**

A physical quantity of seed for an entire seedlot, to document opening seedlot balances, or the result of a physical stock count.  
Copy Managed from TSC Local System.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                                                                                                                              |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                                                   |               |            |               |               |
| * COUNT_DATE                                                                                                                                                                                                                                  |               | N          | DATE          |               |
| The date (year, month and day) the quantity of seed was determined.                                                                                                                                                                           |               |            |               |               |
| * COUNT_HOUR                                                                                                                                                                                                                                  |               | N          | NUMBER        | 5,0           |
| The hour of the day the quantity of seed was determined.                                                                                                                                                                                      |               |            |               |               |
| * COUNT_MINUTES                                                                                                                                                                                                                               |               | N          | NUMBER        | 5,0           |
| The minutes of the hour the quantity of seed was determined on a particular day.                                                                                                                                                              |               |            |               |               |
| QTY_SEED                                                                                                                                                                                                                                      |               | N          | NUMBER        | 10,0          |
| The actual quantity of seed, in grams, counted for a seedlot.                                                                                                                                                                                 |               |            |               |               |
| QTY_OUTAGE                                                                                                                                                                                                                                    |               | N          | NUMBER        | 10,0          |
| The difference (in grams) between the stock count balance and SPAR's physical balance at the time of the stock count.                                                                                                                         |               |            |               |               |
| OPENING_BAL_IND                                                                                                                                                                                                                               |               | N          | VARCHAR2      | 1             |
| An indicator which identifies whether or not the quantity of seed represents the opening balance ('Y' yes) or not ('N' no).                                                                                                                   |               |            |               |               |
| ALLOCATED_IND                                                                                                                                                                                                                                 |               | Y          | VARCHAR2      | 1             |
| An indicator which identifies whether or not the balance of seed has been allocated ('Y' yes) or not ('N' no) among the owners of the seedlot according to ownership percentages.                                                             |               |            |               |               |
| UPDATE_IND                                                                                                                                                                                                                                    |               | Y          | VARCHAR2      | 1             |
| An indicator which identifies whether or not seed lot quantities have been updated ('Y' yes) or not ('N' no) on SPAR. A blank indicates that a decision has not been made as to whether an adjustment to the owner's quantities will be made. |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                                | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                  |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                  |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is recorded for one and only one SEEDLOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SEEDLOT\_PHYSICAL\_BALANCE\_PI Primary Y

SEEDLOT\_NUMBER

COUNT\_DATE

COUNT\_HOUR

COUNT\_MINUTES

**Entity Name:** SEEDLOT PLAN ZONE

Short Name:

SPZ

Plural: SEEDLOT PLAN ZONE

Init. Volume: 7500

Avg. Volume: 400

Max. Volume: 12000

Annual Growth Rate:

**Description:**

An approved seed planning zone for which a given seed lot can be used.

**Attributes:**

| <u>Name</u>  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------|---------------|------------|---------------|---------------|
| PRIMARY_IND  |               | Y          | VARCHAR2      | 1             |
| ENTRY_USERID | AUDIT_USERID  | N          | VARCHAR2      | 30            |

The userid of the individual that entered the Seed Lot Plan Zone.

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|                 |            |   |      |  |
|-----------------|------------|---|------|--|
| ENTRY_TIMESTAMP | AUDIT_DATE | N | DATE |  |
|-----------------|------------|---|------|--|

The time and date a Seed Lot Plan Zone was entered onto the system.

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|                |              |   |        |     |
|----------------|--------------|---|--------|-----|
| REVISION_COUNT | REVISION_CNT | N | NUMBER | 5,0 |
|----------------|--------------|---|--------|-----|

A counter used to ensure data integrity. This item should be incremented during each update.

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

\* MUST BE is described by one and only one SEED PLAN ZONE CODE

\* MUST BE is a reference for one and only one SEEDLOT

MAY BE contains a second code for one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                      |         |   |
|----------------------|---------|---|
| SEEDLOT_PLAN_ZONE_PK | Primary | Y |
|----------------------|---------|---|

MUST BE is a reference for one and only one SEEDLOT

MUST BE is described by one and only one SEED PLAN ZONE CODE

**Notes:**

2005-02-14 R.A.Robb (PT#25601)

-Added ENTRY\_USERID, ENTRY\_TIMESTAMP in conjunction with adding SEEDLOT PLAN ZONE AUDIT entity

**Entity Name:** SEEDLOT PLAN ZONE AUDIT

Short Name:

SPZA

Plural: SEEDLOT\_PLAN\_ZONE\_AUDITS

Init. Volume: 7500

Avg. Volume: 400

Max. Volume: 12000

Annual Growth Rate:

**Description:**

Audits modifications to SEEDLOT PLAN ZONE.

**Attributes:**

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT PLAN ZONE AUDIT ID                                                                                                                |               | N          | NUMBER        | 10            |
| A sequence used to identify a Seed Lot Plan Zone Audit.                                                                                     |               |            |               |               |
| AUDIT_DATE                                                                                                                                  |               | N          | DATE          |               |
| The date and time the audit record was created.                                                                                             |               |            |               |               |
| SEEDLOT_NUMBER                                                                                                                              |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time. |               |            |               |               |
| PRIMARY_IND                                                                                                                                 |               | Y          | VARCHAR2      | 1             |
| ENTRY USERID                                                                                                                                | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the Seed Lot Plan Zone.                                                                           |               |            |               |               |
| 2005-02-14 R.A.Robb                                                                                                                         |               |            |               |               |
| - Added along with new entity SEEDLOT PLAN ZONE AUDIT to enable auditing of user who created the record.                                    |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                             | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Seed Lot Plan Zone was entered onto the system.                                                                         |               |            |               |               |
| 2005-02-14 R.A.Robb                                                                                                                         |               |            |               |               |
| - Added along with new entity SEEDLOT PLAN ZONE AUDIT to enable auditing of user who created the record.                                    |               |            |               |               |
| REVISION_COUNT                                                                                                                              | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

- \* MUST BE contains a code for one and only one SEED PLAN ZONE CODE
- MUST BE is described by one and only one SEED PLAN ZONE CODE
- MUST BE audit reason described by one and only one SPAR AUDIT CODE
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

SEEDLOT\_PLAN\_ZONE\_AUDIT\_PK Primary Y

SEEDLOT PLAN ZONE AUDIT ID

MUST BE contains a code for one and only one SEED PLAN ZONE CODE

**Notes:**

2005-02-14 R.A.Robb

-Added

|                                                 |                             |                     |                            |         |
|-------------------------------------------------|-----------------------------|---------------------|----------------------------|---------|
| <b>Entity Name:</b> SEEDLOT QA TEST STATUS CODE |                             |                     | <b>Short Name:</b>         | SQATSCD |
| <b>Plural:</b>                                  | SEEDLOT QA TEST STATUS CODE |                     |                            |         |
| <b>Init. Volume:</b>                            | <b>Avg. Volume:</b>         | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |         |

Description:

Describes the status of Request Test Services for a Request Item.

Attributes:

| <u>Name</u>                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT QA TEST STATUS CODE                                                                        |               | N          | VARCHAR2      | 3             |
| Describes the status of Request Test Services for a Request Item.                                    |               |            |               |               |
| DESCRIPTION                                                                                          |               | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code.                                                  |               |            |               |               |
| EFFECTIVE DATE                                                                                       |               | N          | DATE          |               |
| The associated values are available for use beginning on this date and time.                         |               |            |               |               |
| EXPIRY DATE                                                                                          |               | N          | DATE          |               |
| The associated values are no longer available for use as of this date and time.                      |               |            |               |               |
| UPDATE TIMESTAMP                                                                                     |               | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                         |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more REQUEST ITEM

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                             |         |   |
|-----------------------------|---------|---|
| SQATSCD                     | Primary | Y |
| SEEDLOT QA TEST STATUS CODE |         |   |

Notes:

2005-03-26 R.A.Robb (Rls 02\_06\_00)  
- added for PT#29148

|                                         |                     |                     |                            |                       |
|-----------------------------------------|---------------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SEEDLOT SOURCE CODE |                     |                     | <i>Short Name:</i>         | SSCD                  |
| <i>Plural:</i>                          | SEEDLOT SOURCE CODE |                     |                            |                       |
| <i>Init. Volume:</i>                    | 5                   | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 5 |
|                                         |                     |                     | <i>Annual Growth Rate:</i> |                       |

Description:

A list of valid Lot Source Codes.

Attributes:

| <u>Name</u>                                         | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------|---------------------|------------|---------------|---------------|
| * SEEDLOT SOURCE CODE                               |                     | N          | VARCHAR2      | 3             |
| Initial values: ?                                   |                     |            |               |               |
| DESCRIPTION                                         | DESCRIPTION         | N          | VARCHAR2      | 120           |
| The description associated with an affiliated code. |                     |            |               |               |
| EFFECTIVE DATE                                      | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| EXPIRY DATE                                         | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| UPDATE TIMESTAMP                                    | AUDIT_TIMESTAMP     | N          | DATE          |               |
| * = Attributes in primary unique identifier.        |                     |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SEEDLOT  
MAY BE contains a code for one or more SEEDLOT AUDIT  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                     |         |   |
|---------------------|---------|---|
| SSCD                | Primary | Y |
| SEEDLOT SOURCE CODE |         |   |

Notes:

2004-06-01 R.A.Robb (Rel 2.1)  
- Added

|                                         |                     |                     |                            |                         |
|-----------------------------------------|---------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SEEDLOT STATUS CODE |                     |                     | <i>Short Name:</i>         | SSC3                    |
| <i>Plural:</i>                          | SEEDLOT STATUS CODE |                     |                            |                         |
| <i>Init. Volume:</i>                    | 50                  | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                         |                     |                     | <i>Annual Growth Rate:</i> |                         |

*Description:*  
A list of valid Seedlot based Status Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT_STATUS_CODE                        |               | N          | VARCHAR2      | 3             |
| A code describing various Seedlot Statuses.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more SEEDLOT  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
SEEDLOT\_STATUS\_CODE\_PK      Primary   Y  
    SEEDLOT\_STATUS\_CODE

**Entity Name:** SEEDLOT TEST**Short Name:** ST**Plural:** SEEDLOT TEST**Init. Volume:** 50000**Avg. Volume:** 10000**Max. Volume:** 100000**Annual Growth Rate:****Description:**

Seed Lots are tested periodically. Several tests may be performed at or around the same time. For Germination tests, the type of test indicates the type of preparation done on the seed. Preparation methods are ranked in terms of the germination results.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                       | <u>Domain</u>     | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|---------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                                                                                                                  |                   | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                                       |                   |            |               |               |
| * TEST_DATE                                                                                                                                                                                                                       |                   | N          | DATE          |               |
| The actual date (year, month, and day) that the test was completed.                                                                                                                                                               |                   |            |               |               |
| * SEEDLOT_TEST_CODE                                                                                                                                                                                                               | SEEDLOT_TEST_CODE | N          | VARCHAR2      | 3             |
| A code which represents the type of test that was performed against a seed lot.                                                                                                                                                   |                   |            |               |               |
| TEST_CLASS_CODE                                                                                                                                                                                                                   |                   | Y          | VARCHAR2      | 1             |
| A classifying value which represents the type of test that was performed against a seed lot. The two values are 'G' (germination) or 'O' (other).                                                                                 |                   |            |               |               |
| PREFERRED_PREP_RNK                                                                                                                                                                                                                |                   | Y          | VARCHAR2      | 1             |
| A value that represents the preferred method of seed preparation. It is a ranking in ascending order by most to least preferred IE. 'A' is the best method followed by 'B' etc.                                                   |                   |            |               |               |
| GERMINATION_PCT                                                                                                                                                                                                                   |                   | N          | NUMBER        | 5,0           |
| Germination of a seed in a laboratory test is the emergence and development from the seed embryo of those essential structures which are indicative of the ability to produce a normal plant under favourable nursery conditions. |                   |            |               |               |
| OTHER_TEST_RESULT                                                                                                                                                                                                                 |                   | N          | NUMBER        | 6,1           |
| The result of a test against a seed lot. The units and type of result are determined by the test type (result is usually a percentage).                                                                                           |                   |            |               |               |
| CURRENT_TEST_IND                                                                                                                                                                                                                  |                   | N          | VARCHAR2      | 1             |
| An indicator which represents whether a particular test type is the most current for it's kind.                                                                                                                                   |                   |            |               |               |
| MOISTURE_PCT                                                                                                                                                                                                                      |                   | N          | NUMBER        | 4,1           |
| The moisture content of a sample is the loss in weight when it is dried in accordance with seed testing rules. It is expressed as a percentage of the weight of the original sample.                                              |                   |            |               |               |
| PURITY_PCT                                                                                                                                                                                                                        |                   | N          | NUMBER        | 4,1           |
| The percentage of a seedlot's weight which is comprised of pure seed.                                                                                                                                                             |                   |            |               |               |
| PEAK_VALUE_GRM_PCT                                                                                                                                                                                                                |                   | N          | NUMBER        | 5,0           |
| The peak germination percentage achieved in a certain number of days.                                                                                                                                                             |                   |            |               |               |
| PEAK_VALUE_NO_DAYS                                                                                                                                                                                                                |                   | N          | NUMBER        | 5,0           |
| The number of days to reach the peak value germination percentage.                                                                                                                                                                |                   |            |               |               |
| SEEDS_PER_GRAM                                                                                                                                                                                                                    |                   | N          | NUMBER        | 5,0           |
| The number of seeds counted per gram of pure seed.                                                                                                                                                                                |                   |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                    | REVISION_CNT      | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                      |                   |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:****Each Occurrence Of This Entity:**

MUST BE periodically tests one and only one SEEDLOT

MUST BE is described by one and only one SEEDLOT TEST CODE

MAY BE is described by one and only one TEST\_CLASS\_CODE

**Entity Name:** SEEDLOT TEST (cont'd)

Short Name:

ST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

I1\$\_SEEDLOT\_TEST Primary N

SEEDLOT\_NUMBER

CURRENT\_TEST\_IND

TEST\_DATE

TEST\_CLASS\_CODE

PREFERRED\_PREP\_RNK

SEEDLOT\_TEST\_CODE

SEEDLOT\_TEST\_PK Primary Y

SEEDLOT\_NUMBER

TEST\_DATE

SEEDLOT\_TEST\_CODE

|                      |                   |                     |                            |                     |     |
|----------------------|-------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | SEEDLOT TEST CODE |                     |                            | <b>Short Name:</b>  | STC |
| <b>Plural:</b>       | SEEDLOT TEST CODE |                     |                            |                     |     |
| <b>Init. Volume:</b> | 50                | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250 |
|                      |                   |                     | <b>Annual Growth Rate:</b> |                     |     |

**Description:**  
A list of valid Seedlot Test Codes.

| Attributes:                                  |               |            |               |               |
|----------------------------------------------|---------------|------------|---------------|---------------|
| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
| * SEEDLOT_TEST_CODE                          |               | N          | VARCHAR2      | 3             |
| A code describing various Seedlot Tests.     |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more CNS EXTRACTION LOG  
MAY BE contains a code for one or more REGISTRATION STANDARD  
MAY BE contains a code for one or more REQUEST SEEDLOT  
MAY BE contains a code for one or more REQUEST TEST SERVICE  
MAY BE contains a code for one or more SEED TEST FREQUENCY  
MAY BE contains a code for one or more SEEDLOT TEST  
MAY BE contains a code for one or more TEST\_GRAM  
MAY BE contains a code for one or more WORKPLAN\_TEST\_TYPE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
SEEDLOT\_TEST\_CODE\_PK                      Primary    Y  
SEEDLOT\_TEST\_CODE

**Entity Name:** SEEDLOT TRANSACTION

Short Name:

ST1

Plural: SEEDLOT TRANSACTION

Init. Volume: 35000

Avg. Volume: 25000

Max. Volume: 100000

Annual Growth Rate:

**Description:**

A list of all transactions affecting the owned quantity of seed on hand.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLOT_NUMBER                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 5             |
| The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.                                                                                        |               |            |               |               |
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| * ENTRY_TIMESTAMP                                                                                                                                                                                                                  | AUDIT_DATE    | N          | DATE          |               |
| A system generated date and time that records when the adjustment took place.                                                                                                                                                      |               |            |               |               |
| * ENTRY_TIMESTAMP_MS                                                                                                                                                                                                               |               | N          | NUMBER        | 6,0           |
| The millisecond portion of the Entry Timestamp.                                                                                                                                                                                    |               |            |               |               |
| ENTRY_USERID                                                                                                                                                                                                                       | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The system user identification of the individual that made the adjustment.                                                                                                                                                         |               |            |               |               |
| SEEDLOT_TRANSACTION_CODE                                                                                                                                                                                                           |               | N          | VARCHAR2      | 3             |
| A code which represents the reason for the transaction against a seed lot's balance of seed.                                                                                                                                       |               |            |               |               |
| CHANGE_IN_RESERVE                                                                                                                                                                                                                  |               | N          | NUMBER        | 10,0          |
| The actual amount that was added to or subtracted from the balance of an owner's portion of surplus seed (grams).                                                                                                                  |               |            |               |               |
| CHANGE_IN_SURPLUS                                                                                                                                                                                                                  |               | N          | NUMBER        | 10,0          |
| The actual amount that was added to or subtracted from the balance of an owner's portion of surplus seed (grams).                                                                                                                  |               |            |               |               |
| USEDDBY_CLIENT_NUMBER                                                                                                                                                                                                              |               | Y          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| USEDDBY_CLIENT_LOCN_CODE                                                                                                                                                                                                           |               | Y          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| REQUEST_SKEY                                                                                                                                                                                                                       |               | Y          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                                                                            |               |            |               |               |
| ITEM_ID                                                                                                                                                                                                                            |               | Y          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).                                                                                                                                     |               |            |               |               |
| REFERENCE_DESC                                                                                                                                                                                                                     |               | Y          | VARCHAR2      | 50            |
| A description of the key assigned to a transaction that affects the quantity of seed on hand only for an owner's portion of a seed lot.                                                                                            |               |            |               |               |
| TRNSCTN_COMMENT                                                                                                                                                                                                                    |               | Y          | VARCHAR2      | 150           |
| General free format text about the seed lot transaction.                                                                                                                                                                           |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE is used by one and only one CLIENT LOCATION

MAY BE satisfies one and only one REQUEST ITEM

**Entity Name:** SEEDLOT TRANSACTION (cont'd)*Short Name:*

ST1

MUST BE is an audit of transactions for one and only one SEEDLOT OWNER QUANTITY

MUST BE is described by one and only one SEEDLOT TRANSACTION CODE

\* = *Relationships in primary unique identifier.***Unique Identifiers:**SEEDLOT\_TRANSACTION\_PK      *Primary*   Y*SEEDLOT\_NUMBER**CLIENT\_NUMBER**CLIENT\_LOCN\_CODE**ENTRY\_TIMESTAMP**ENTRY\_TIMESTAMP\_MS*

|                      |                          |                     |                            |                     |      |
|----------------------|--------------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | SEEDLOT TRANSACTION CODE |                     |                            | <b>Short Name:</b>  | STC1 |
| <b>Plural:</b>       | SEEDLOT TRANSACTION CODE |                     |                            |                     |      |
| <b>Init. Volume:</b> | 50                       | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250  |
|                      |                          |                     | <b>Annual Growth Rate:</b> |                     |      |

**Description:**  
A list of valid Seedlot Transaction Codes.

| Attributes:                                     |               |            |               |               |
|-------------------------------------------------|---------------|------------|---------------|---------------|
| <u>Name</u>                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
| * SEEDLOT_TRANSACTION_CODE                      |               | N          | VARCHAR2      | 3             |
| A code describing various Seedlot Transactions. |               |            |               |               |
| DESCRIPTION                                     | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.          |               |            |               |               |
| EFFECTIVE_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.       |               |            |               |               |
| EXPIRY_DATE                                     | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                   |               |            |               |               |
| UPDATE_TIMESTAMP                                |               | N          | DATE          |               |
| The date and time of the last update.           |               |            |               |               |
| * = Attributes in primary unique identifier.    |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more SEEDLOT TRANSACTION  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
SEEDLOT\_TRANSACTION\_CODE\_P    Primary    Y  
SEEDLOT\_TRANSACTION\_CODE

|                                 |             |                     |                            |                         |
|---------------------------------|-------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SEEDS BLOCK |             |                     | <b>Short Name:</b>         | SB                      |
| <b>Plural:</b>                  | SEEDS BLOCK |                     |                            |                         |
| <b>Init. Volume:</b>            | 50          | <b>Avg. Volume:</b> | 10                         | <b>Max. Volume:</b> 100 |
|                                 |             |                     | <b>Annual Growth Rate:</b> |                         |

**Description:**

A table to derive the sowing rule Seeds per Block given the Container Type code and the Seeds per Cavity taking into account a spillage factor.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SEEDLING_CONTAINER_CODE                                                                                                                                                                                                                            |               | N          | VARCHAR2      | 4             |
| A code representing the type of container in which seedlings will be grown (if container stock). The first character represents the approximate diameter, the next two characters represent the approximate depth, and a one character density code. |               |            |               |               |
| * SEEDS_PER_CAVITY                                                                                                                                                                                                                                   |               | N          | NUMBER        | 3,1           |
| The number of seeds per cavity within a container that should be sown in order to produce a seedling based on the sowing rule.                                                                                                                       |               |            |               |               |
| SEEDS_PER_BLOCK                                                                                                                                                                                                                                      |               | N          | NUMBER        | 5,0           |
| The number of seeds per block based on the container type and seeds per cavity, that are required in order to produce a given amount of seedlings based on the sowing rule to allow for spillage.                                                    |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                                       | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                         |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                         |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MUST BE is described by one and only one SEEDLING\_CONTAINER\_CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                         |         |   |
|-------------------------|---------|---|
| SEEDS_BLOCK_PK          | Primary | Y |
| SEEDLING_CONTAINER_CODE |         |   |
| SEEDS_PER_CAVITY        |         |   |

**Entity Name:** SERVICE BILLING

Short Name:

SB1

Plural: SERVICE BILLING

Init. Volume: 0

Avg. Volume: 20000

Max. Volume: 100000

Annual Growth Rate:

**Description:**

Information associated with a single client's billable portion of a requested service.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SERVICE_BILLING_SKEY                                                                                                                                                                                                             |               | N          | NUMBER        | 10,0          |
| The maximum billing surrogate key value used by the system to identify a Service Billing.                                                                                                                                          |               |            |               |               |
| CLIENT_NUMBER                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| CLIENT_LOCN_CODE                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| BILLING_ITEM_ID                                                                                                                                                                                                                    |               | Y          | VARCHAR2      | 3             |
| The identifier which represents an item defined for billing purposes which represents a charge for performing a group of standard activities.                                                                                      |               |            |               |               |
| COMPLETE_DATE                                                                                                                                                                                                                      |               | Y          | DATE          |               |
| The date on which a Request Item or manually billed Service Item was completed.                                                                                                                                                    |               |            |               |               |
| REQUEST_SKEY                                                                                                                                                                                                                       |               | Y          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                                                                            |               |            |               |               |
| ITEM_ID                                                                                                                                                                                                                            |               | Y          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).                                                                                                                                     |               |            |               |               |
| REVENUE_CLASS_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 3             |
| This is a code used to determine the type of revenue for an item on an invoice. It is used to post revenue to the GL, and can be matched to an Account Control Key mask in order to determine a specific GL account.               |               |            |               |               |
| DEBIT_CREDIT_CODE                                                                                                                                                                                                                  |               | N          | VARCHAR2      | 2             |
| A two character code to indicate if the amount is a debit or a credit.                                                                                                                                                             |               |            |               |               |
| BILLING_AMOUNT                                                                                                                                                                                                                     |               | N          | NUMBER        | 7,2           |
| The amount associated with the client's service billing.                                                                                                                                                                           |               |            |               |               |
| ADJUST_DB_CR_CODE                                                                                                                                                                                                                  |               | Y          | VARCHAR2      | 2             |
| A two character code to indicate if the adjustment amount is a debit or credit.                                                                                                                                                    |               |            |               |               |
| ADJUSTMENT_AMOUNT                                                                                                                                                                                                                  |               | N          | NUMBER        | 7,2           |
| The amount adjusted on a client's service billing.                                                                                                                                                                                 |               |            |               |               |
| SERVICE_BILLING_STATUS_CODE                                                                                                                                                                                                        |               | N          | VARCHAR2      | 3             |
| A code which represents the current status of a service billing.                                                                                                                                                                   |               |            |               |               |
| NO_OF_UNITS                                                                                                                                                                                                                        |               | N          | NUMBER        | 7,2           |
| The number of units pertaining to a line item on an invoice.                                                                                                                                                                       |               |            |               |               |
| UNIT_PRICE                                                                                                                                                                                                                         |               | N          | NUMBER        | 7,2           |
| The unit price portion, based upon the number of units for a particular billing item.                                                                                                                                              |               |            |               |               |
| FIXED_PRICE_AMOUNT                                                                                                                                                                                                                 |               | N          | NUMBER        | 7,2           |
| The fixed price portion for a particular billing item.                                                                                                                                                                             |               |            |               |               |
| DISCOUNT_AMOUNT                                                                                                                                                                                                                    |               | N          | NUMBER        | 7,2           |
| The discount amount for a particular billing item.                                                                                                                                                                                 |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                     | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                       |               |            |               |               |
| UPDATE_TIMESTAMP                                                                                                                                                                                                                   | AUDIT_DATE    | N          | DATE          |               |

**Entity Name:** SERVICE BILLING (cont'd)

Short Name:

SB1

The time and date a Service Billing was last updated on the system.

BILLING\_ADJUSTMENT\_CMT Y VARCHAR2 50

A free format text field used to enter general comments for a service billing adjustment.

BILLING\_ITEM\_DESC Y VARCHAR2 30

Any item that appears on a service billing must have a description defining the item. That description is recorded here.

\* = Attributes in primary unique identifier.

**Relationships:****Each Occurrence Of This Entity:**

MAY BE is created based on one and only one BILLING ITEM

MUST BE bills one and only one CLIENT LOCATION

MAY BE is described by a second one and only one DEBIT CREDIT CODE

MUST BE is described by one and only one DEBIT CREDIT CODE

MAY BE is included on one or more INVOICE ITEM

MAY BE is for one and only one REQUEST ITEM

MUST BE is described by one and only one REVENUE CLASS CODE

MUST BE is described by one and only one SERVICE BILLING STATUS CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SERVICE\_BILLING\_PK Primary Y

SERVICE\_BILLING\_SKEY

|                      |                             |                            |      |
|----------------------|-----------------------------|----------------------------|------|
| <b>Entity Name:</b>  | SERVICE BILLING METHOD CODE | <i>Short Name:</i>         | SBMC |
| <i>Plural:</i>       | SERVICE BILLING METHOD CODE |                            |      |
| <i>Init. Volume:</i> | 50                          | <i>Avg. Volume:</i>        | 5    |
|                      |                             | <i>Max. Volume:</i>        | 250  |
|                      |                             | <i>Annual Growth Rate:</i> |      |

Description:

A list of valid Billing Method Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SERVICE_BILLING_METHOD_CODE                |               | N          | VARCHAR2      | 3             |
| A code describing various Billing Methods.   |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more BILLING ITEM

MAY BE contains a code for one or more SEED RELATED SERVICE

\* = Relationships in primary unique identifier.

Unique Identifiers:

SERVICE\_BILLING\_METHOD\_CODI    Primary    Y

    SERVICE\_BILLING\_METHOD\_CODE

|                      |                             |                            |      |
|----------------------|-----------------------------|----------------------------|------|
| <b>Entity Name:</b>  | SERVICE BILLING STATUS CODE | <b>Short Name:</b>         | SBSC |
| <b>Plural:</b>       | SERVICE BILLING STATUS CODE |                            |      |
| <b>Init. Volume:</b> | 50                          | <b>Avg. Volume:</b>        | 5    |
|                      |                             | <b>Max. Volume:</b>        | 250  |
|                      |                             | <b>Annual Growth Rate:</b> |      |

**Description:**  
A list of valid Service Billing Status Codes.

**Attributes:**

| <u>Name</u>                                         | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------|---------------|------------|---------------|---------------|
| * SERVICE_BILLING_STATUS_CODE                       |               | N          | VARCHAR2      | 3             |
| A code describing various Service Billing Statuses. |               |            |               |               |
| DESCRIPTION                                         | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.              |               |            |               |               |
| EFFECTIVE_DATE                                      | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.           |               |            |               |               |
| EXPIRY_DATE                                         | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                       |               |            |               |               |
| UPDATE_TIMESTAMP                                    |               | N          | DATE          |               |
| The date and time of the last update.               |               |            |               |               |
| * = Attributes in primary unique identifier.        |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more SERVICE BILLING  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
SERVICE\_BILLING\_STATUS\_CODE Primary Y  
SERVICE\_BILLING\_STATUS\_CODE

|                      |                        |                            |      |
|----------------------|------------------------|----------------------------|------|
| <b>Entity Name:</b>  | SERVICE TIME UNIT CODE | <i>Short Name:</i>         | STUC |
| <i>Plural:</i>       | SERVICE TIME UNIT CODE |                            |      |
| <i>Init. Volume:</i> | 50                     | <i>Avg. Volume:</i>        | 5    |
|                      |                        | <i>Max. Volume:</i>        | 250  |
|                      |                        | <i>Annual Growth Rate:</i> |      |

Description:

A list of valid Service Time Unit Codes.

Attributes:

| <u>Name</u>                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------|---------------|------------|---------------|---------------|
| * SERVICE_TIME_UNIT_CODE                      |               | N          | VARCHAR2      | 3             |
| A code describing various Service Time Units. |               |            |               |               |
| DESCRIPTION                                   | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.        |               |            |               |               |
| EFFECTIVE_DATE                                | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.     |               |            |               |               |
| EXPIRY_DATE                                   | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                 |               |            |               |               |
| UPDATE_TIMESTAMP                              |               | N          | DATE          |               |
| The date and time of the last update.         |               |            |               |               |
| * = Attributes in primary unique identifier.  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more OPERATION TIME REQUIREMENT

MAY BE contains a code for one or more SEED TEST FREQUENCY

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                           |         |   |
|---------------------------|---------|---|
| SERVICE_TIME_UNIT_CODE_PK | Primary | Y |
| SERVICE_TIME_UNIT_CODE    |         |   |

|                              |          |                     |                            |                          |
|------------------------------|----------|---------------------|----------------------------|--------------------------|
| <b>Entity Name:</b> SHIPMENT |          |                     | <b>Short Name:</b>         | SHI                      |
| <b>Plural:</b>               | SHIPMENT |                     |                            |                          |
| <b>Init. Volume:</b>         | 0        | <b>Avg. Volume:</b> | 200                        | <b>Max. Volume:</b> 1000 |
|                              |          |                     | <b>Annual Growth Rate:</b> |                          |

Description:

Information about the shipment of seed or materials from the Tree Seed Centre. This is a copy managed table from the CONSEP Local Client/Server system with only those attributes required for TSC Invoicing.

Attributes:

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TSC_WAYBILL_NO                                                                                                                            |               | N          | NUMBER        | 10,0          |
| The waybill number assigned to a shipment by the Tree Seed Centre.                                                                          |               |            |               |               |
| STANDARD_ACTIVITY_ID                                                                                                                        |               | N          | VARCHAR2      | 3             |
| An identifier for a workstep performed to deliver a service.                                                                                |               |            |               |               |
| PREPAID_IND                                                                                                                                 |               | Y          | VARCHAR2      | 1             |
| An Indicator to show whether shipments will be Prepaid by the Client ('Y' yes) or to be paid by the Tree Seed Centre ('N' no) and Invoiced. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains one or more SHIPMENT ITEM

MUST BE identifies one and only one STANDARD\_ACTIVITY

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                |         |   |
|----------------|---------|---|
| SHIPMENT_PK    | Primary | Y |
| TSC_WAYBILL_NO |         |   |

**Entity Name:** SHIPMENT ITEM**Short Name:** SI**Plural:** SHIPMENT ITEM**Init. Volume:** 0**Avg. Volume:** 10000**Max. Volume:** 50000**Annual Growth Rate:****Description:**

Information about an item within a Shipment from the Tree Seed Centre. This is a copy managed table from the CONSEP local Client/Server system with only those attributes required for TSC Invoicing.

**Attributes:**

| <u>Name</u>                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SHIPMENT_ITEM_SKEY                                                                           |               | N          | NUMBER        | 10,0          |
| A surrogate key used to uniquely identify the shipment item.                                   |               |            |               |               |
| TSC_WAYBILL_NO                                                                                 |               | N          | NUMBER        | 10,0          |
| The waybill number assigned to a shipment by the Tree Seed Centre.                             |               |            |               |               |
| REQUEST_SKEY                                                                                   |               | Y          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                        |               |            |               |               |
| ITEM_ID                                                                                        |               | N          | VARCHAR2      | 1             |
| A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z). |               |            |               |               |
| BULK_ID                                                                                        |               | Y          | VARCHAR2      | 2             |
| Defines which items within a shipment are physically bulked together.                          |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE provides info for one and only one REQUEST ITEM

MUST BE belongs to one and only one SHIPMENT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SHIPMENT\_ITEM\_PK                      Primary   Y

SHIPMENT\_ITEM\_SKEY

|                      |                      |                            |       |
|----------------------|----------------------|----------------------------|-------|
| <b>Entity Name:</b>  | SHIPPING INSTRUCTION | <b>Short Name:</b>         | SI1   |
| <b>Plural:</b>       | SHIPPING INSTRUCTION |                            |       |
| <b>Init. Volume:</b> | 0                    | <b>Avg. Volume:</b>        | 5000  |
|                      |                      | <b>Max. Volume:</b>        | 25000 |
|                      |                      | <b>Annual Growth Rate:</b> |       |

Description:

A line of text that provides shipping details for a request item.

Attributes:

| <u>Name</u>                                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                        |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.               |               |            |               |               |
| * LINE_ID                                                             |               | N          | NUMBER        | 5,0           |
| A surrogate key to uniquely identify a line of shipping instructions. |               |            |               |               |
| SHIPPING_INSTRUCTION                                                  |               | Y          | VARCHAR2      | 78            |
| One line of text of shipping instruction.                             |               |            |               |               |
| * = Attributes in primary unique identifier.                          |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is for one and only one SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| SHIPPING_INSTRUCTION_PK | Primary | Y |
| REQUEST_SKEY            |         |   |
| LINE_ID                 |         |   |

**Entity Name:** SILV ADMIN ZONE*Short Name:*

SAZ

*Plural:* SILV ADMIN ZONE*Init. Volume:* 100*Avg. Volume:* 10*Max. Volume:* 200*Annual Growth Rate:***Description:**

Contains the organizational unit specific admin zones used for identifying areas of land along some similar feature. This table is district maintained.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                             | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * ORG_UNIT_NO                                                                                                                                                                                                           |               | N NUMBER                 | 10,0          |
| Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes". |               |                          |               |
| * DIST_ADMIN_ZONE                                                                                                                                                                                                       |               | N VARCHAR2               | 2             |
| A zonal code, district specific in meaning.                                                                                                                                                                             |               |                          |               |
| REVISION_COUNT                                                                                                                                                                                                          |               | N NUMBER                 | 5,0           |
| Internal counter used by the system to avoid conflicting updates to the record.                                                                                                                                         |               |                          |               |
| ADMIN_ZONE_DESC                                                                                                                                                                                                         |               | N VARCHAR2               | 50            |
| A zonal description, district specific in meaning.                                                                                                                                                                      |               |                          |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                            |               |                          |               |

**Unique Identifiers:**

|                    |         |   |
|--------------------|---------|---|
| SILV_ADMIN_ZONE_PK | Primary | Y |
| ORG_UNIT_NO        |         |   |
| DIST_ADMIN_ZONE    |         |   |

**Entity Name:** SMP MIX**Short Name:** SMPM**Plural:** SMP MIX**Init. Volume:**      **Avg. Volume:**      **Max. Volume:**      **Annual Growth Rate:****Description:**

Defines a Parent Tree's contribution, in terms of the amount of material contributed, to the Supplemental Mass Pollination of individual Parent Trees which contribute to the lot.

**Attributes:**

| <u>Name</u>        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------|---------------|------------|---------------|---------------|
| AMOUNT OF MATERIAL |               | N          | NUMBER        | 6             |

The amount of parent tree material used for calculating the proportion of mix. Usually a volume recorded in mL.

|                |  |   |        |   |
|----------------|--|---|--------|---|
| REVISION COUNT |  | N | NUMBER | 5 |
|----------------|--|---|--------|---|

A counter used to ensure data integrity. This item should be incremented during each update.

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

\* MUST BE is composed of one and only one PARENT TREE

\* MAY BE is composed of one and only one SEEDLOT

MAY BE contribution defined by one or more SMP MIX GEN QLTY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|      |         |   |
|------|---------|---|
| SMPM | Primary | Y |
|------|---------|---|

MUST BE is composed of one and only one PARENT TREE

MAY BE is composed of one and only one SEEDLOT

**Notes:**

2006-08-22 R.A.Robb (Rls 3.1)

- added

**Entity Name:** SMP MIX GEN QLTY**Short Name:** SMGQ**Plural:** SMP MIX GEN QLTY**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Defines a Parent Tree's contribution, in terms of genetic quality values, to the Supplemental Mass Pollination of individual Parent Trees which contribute to the lot.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| ESTIMATED_IND                                                                                                                                                                                                                                                                                      |               | N CHAR                   | 1             |
| Indicates whether or not the test result was estimated. A Genetic Quality value of 2.0 is estimated for Untested Parent Trees (i.e. Parent Trees without an Area of Use) or for Tested Parent Trees (i.e. Parent Trees with an Area of Use) without a Genetic Quality value for the desired Trait. |               |                          |               |
| GENETIC QUALITY VALUE                                                                                                                                                                                                                                                                              |               | N NUMBER                 | 4,1           |
| The genetic quality value based on the test assessment for a Parent Tree from a test no. and series.                                                                                                                                                                                               |               |                          |               |
| REVISION COUNT                                                                                                                                                                                                                                                                                     |               | N NUMBER                 | 5             |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                                                                       |               |                          |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

- \* MUST BE defines test type for one and only one GENETIC TYPE CODE
- \* MUST BE described by one and only one GENETIC WORTH CODE
- \* MUST BE registered results for one and only one SMP MIX

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SMGQ Primary Y

MUST BE registered results for one and only one SMP MIX

MUST BE defines test type for one and only one GENETIC TYPE CODE

MUST BE described by one and only one GENETIC WORTH CODE

**Notes:**

2006-08-22 R.A.Robb (Rls 3.1)

- added

**Entity Name:** SOWING METHOD**Short Name:** SM**Plural:** SOWING METHOD**Init. Volume:** 100**Avg. Volume:** 10**Max. Volume:** 200**Annual Growth Rate:****Description:**

A table which defines the appropriate sowing method based on the minimum germination percentage and species.

**Attributes:**

| <u>Name</u>                                                                                                                                | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * VEGETATION_CODE                                                                                                                          |               | N VARCHAR2               | 8             |
| A code which represents a species of tree or brush.                                                                                        |               |                          |               |
| * MIN_GRMNTN_PCT                                                                                                                           |               | N NUMBER                 | 5,0           |
| The minimum germination percentage (the percentage of seeds that germinate and can produce seedlings) used to determine the sowing method. |               |                          |               |
| MAX_GRMNTN_PCT                                                                                                                             |               | N NUMBER                 | 5,0           |
| The maximum germination percentage (the percentage of seeds that germinate and can produce seedlings) used to determine the sowing method. |               |                          |               |
| SOWING_METHOD_CODE                                                                                                                         |               | N VARCHAR2               | 1             |
| A code which represents the type of sowing method/machine which is to be used.                                                             |               |                          |               |
| REVISION_COUNT                                                                                                                             | REVISION_CNT  | N NUMBER                 | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                               |               |                          |               |
| * = Attributes in primary unique identifier.                                                                                               |               |                          |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one SOWING METHOD CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                  |         |   |
|------------------|---------|---|
| SOWING_METHOD_PK | Primary | Y |
| VEGETATION_CODE  |         |   |
| MIN_GRMNTN_PCT   |         |   |

|                      |                    |                            |     |
|----------------------|--------------------|----------------------------|-----|
| <b>Entity Name:</b>  | SOWING METHOD CODE | <i>Short Name:</i>         | SMC |
| <i>Plural:</i>       | SOWING METHOD CODE |                            |     |
| <i>Init. Volume:</i> | 50                 | <i>Avg. Volume:</i>        | 5   |
|                      |                    | <i>Max. Volume:</i>        | 250 |
|                      |                    | <i>Annual Growth Rate:</i> |     |

*Description:*  
A list of valid Sowing Method Codes.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SOWING_METHOD_CODE                         |               | N          | VARCHAR2      | 1             |
| A code describing various Sowing Methods.    |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more BAREROOT RULE  
MAY BE contains a code for one or more REQUEST SEEDLOT  
MAY BE contains a code for one or more SOWING METHOD  
\* = Relationships in primary unique identifier.

*Unique Identifiers:*  
SOWING\_METHOD\_CODE\_PK      Primary   Y  
SOWING\_METHOD\_CODE

**Entity Name:** SOWING RULE FACTOR

Short Name:

SRF

Plural: SOWING RULE FACTOR

Init. Volume: 600

Avg. Volume: 20

Max. Volume: 700

Annual Growth Rate:

**Description:**

A table to derive the sowing rule Seeds per Cavity and Correction Factor given the seed genetic class (A or B) and the germination percent ranges with the low (minimum) end of the range as the key. Sowing Rule Factors are by Nursery, (Not Given = '').

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SOWING_RULE_FACTOR_SKEY                                                                                                                                                                                                                     |               | N          | NUMBER        | 10,0          |
| MIN_GRMNTN_PCT                                                                                                                                                                                                                                |               | N          | NUMBER        | 5,0           |
| The minimum germination percentage (the percentage of seeds that germinate and can produce seedlings) for the sowing rule that determines Seeds Per Cavity and Sowing Correction Factor. The range is determined by the low end of the range. |               |            |               |               |
| MAX_GRMNTN_PCT                                                                                                                                                                                                                                |               | N          | NUMBER        | 5,0           |
| The maximum germination percentage (the percentage of seeds that germinate and can produce seedlings) for the sowing rule that determines Seeds Per Cavity and Sowing Correction Factor. Maximum is only provided to decrease access time.    |               |            |               |               |
| SEEDS_PER_CAVITY                                                                                                                                                                                                                              |               | N          | NUMBER        | 3,1           |
| The number of seeds per cavity within a container that should be sown in order to produce a seedling based on the sowing rule.                                                                                                                |               |            |               |               |
| SWNG_CRCTN_FACTOR                                                                                                                                                                                                                             |               | N          | NUMBER        | 3,2           |
| An oversow factor which is used to calculate the number of cavities required to produce a given number of seedlings based on the sowing rule to account for nonproductive cavities.                                                           |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                                | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                  |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE is applied at the nursery by one and only one CLIENT LOCATION

MUST BE is described by one and only one GENETIC CLASS CODE

MAY BE is for one and only one VEGETATION CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

I1\$\_SOWING\_RULE\_FACTOR      Primary    N

MAY BE is applied at the nursery by one and only one CLIENT LOCATION

MUST BE is described by one and only one GENETIC CLASS CODE

MAY BE is for one and only one VEGETATION CODE

MIN\_GRMNTN\_PCT

SOWING\_RULE\_FACTOR\_PK      Primary    Y

SOWING\_RULE\_FACTOR\_SKEY

|                                |   |                            |        |                     |         |
|--------------------------------|---|----------------------------|--------|---------------------|---------|
| <b>Entity Name:</b> SPAR AUDIT |   |                            |        | <i>Short Name:</i>  | SA      |
| <i>Plural:</i>                 |   | SPAR AUDIT                 |        |                     |         |
| <i>Init. Volume:</i>           | 0 | <i>Avg. Volume:</i>        | 500000 | <i>Max. Volume:</i> | 2000000 |
|                                |   | <i>Annual Growth Rate:</i> |        |                     |         |

Description:

A table used to audit changes made to a Spar Request. It will store the previous version of each row in the Spar\_Request, Request\_Item, Request\_Seedlot, Request\_Ctnglot, Rqst\_Override, Shpng\_Instrctn, Request\_Service, and Billing\_Oblgtn tables.

Attributes:

| <u>Name</u>                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SPAR_AUDIT_SKEY                                                             |               | N          | NUMBER        | 10            |
| REQUEST_SKEY                                                                  |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                       |               |            |               |               |
| TABLE_NAME                                                                    |               | N          | VARCHAR2      | 15            |
| The physical name of the table being audited.                                 |               |            |               |               |
| COLUMN_NAME                                                                   |               | N          | VARCHAR2      | 30            |
| The column name of the table being audited.                                   |               |            |               |               |
| ENTRY_TIMESTAMP                                                               | AUDIT_DATE    | N          | DATE          |               |
| The time and date a request was last updated on the system.                   |               |            |               |               |
| ENTRY_TIMESTAMP_MS                                                            |               | N          | NUMBER        | 6             |
| The millisecond portion of the time a request was last updated on the system. |               |            |               |               |
| ENTRY_USERID                                                                  | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the request.                        |               |            |               |               |
| ROW_CONTENTS                                                                  |               | Y          | VARCHAR2      | 250           |
| A copy of the entire row from the table being audited for the Request.        |               |            |               |               |
| * = Attributes in primary unique identifier.                                  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE audits the requests found in one and only one SPAR REQUEST  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| SPAR_AUDIT_UK      | Primary | N |
| REQUEST_SKEY       |         |   |
| TABLE_NAME         |         |   |
| ENTRY_TIMESTAMP    |         |   |
| ENTRY_TIMESTAMP_MS |         |   |
| COLUMN_NAME        |         |   |
| SPAR_AUDIT_PK      | Primary | Y |
| SPAR_AUDIT_SKEY    |         |   |

Short Name: SAUDC

*Init. Volume:*                      *Avg. Volume:*                      *Max. Volume:*                      *Annual Growth Rate:*

Describes the action (create, update, delete) that caused the Seedlot information to be audited.

*Attributes:*

| <u>Name</u>       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------|---------------|------------|---------------|---------------|
| * SPAR AUDIT CODE |               | N          | VARCHAR2      | 1             |
| DESCRIPTION       |               | N          | VARCHAR2      | 120           |
| EFFECTIVE DATE    |               | N          | DATE          |               |
| EXPIRY DATE       |               | N          | DATE          |               |
| UPDATE TIMESTAMP  |               | N          | DATE          |               |

\* = Attributes in primary unique identifier.

*Relationships:*

Each Occurrence Of This Entity:

MAY BE describes one or more SEEDLOT AUDIT

MAY BE described by one or more SEEDLOT GENETIC WORTH AUDITS

MAY BE describes one or more SEEDLOT\_PLAN\_ZONE\_AUDITS

MAY BE describes one or more VEG\_LOT\_AUDIT

MAY BE describes one or more VEG LOT GENETIC WORTH AUDITS

MAY BE describes one or more VEG\_LOT\_PLAN\_ZONE\_AUDITS

\* = Relationships in primary unique identifier.

### Unique Identifiers:

SAUDC Primary Y

SPAR AUDIT CODE

*Notes:*

2005-02-14 R.A.Robb

- Added

|                                        |                    |                     |                            |                     |       |
|----------------------------------------|--------------------|---------------------|----------------------------|---------------------|-------|
| <b>Entity Name:</b> SPAR CUTBLOCK LINK |                    |                     |                            | <b>Short Name:</b>  | SCL   |
| <b>Plural:</b>                         | SPAR CUTBLOCK LINK |                     |                            |                     |       |
| <b>Init. Volume:</b>                   | 1000               | <b>Avg. Volume:</b> | 3000                       | <b>Max. Volume:</b> | 30000 |
|                                        |                    |                     | <b>Annual Growth Rate:</b> |                     |       |

**Description:**

An association between a seedling request and its cut block information (used when the request is for a particular license).

**Attributes:**

| <u>Name</u>                                                                                                                            | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                                                         |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                |               |            |               |               |
| * FOREST_FILE_ID                                                                                                                       |               | N          | VARCHAR2      | 10            |
| File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number. |               |            |               |               |
| * CUTTING_PERMIT_ID                                                                                                                    |               | N          | VARCHAR2      | 3             |
| Identifier for a cutting permit associated with a quota type tenure.                                                                   |               |            |               |               |
| * CUT_BLOCK_ID                                                                                                                         |               | N          | VARCHAR2      | 10            |
| Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).                                     |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                           |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MUST BE is managed for one and only one SPAR REQUEST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                       |         |   |
|-----------------------|---------|---|
| SPAR_CUTBLOCK_LINK_PK | Primary | Y |
| REQUEST_SKEY          |         |   |
| FOREST_FILE_ID        |         |   |
| CUTTING_PERMIT_ID     |         |   |
| CUT_BLOCK_ID          |         |   |

|                      |                     |                     |                            |                     |      |
|----------------------|---------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | SPAR FUND SRCE CODE |                     |                            | <b>Short Name:</b>  | SFSC |
| <b>Plural:</b>       | SPAR FUND SRCE CODE |                     |                            |                     |      |
| <b>Init. Volume:</b> | 50                  | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250  |
|                      |                     |                     | <b>Annual Growth Rate:</b> |                     |      |

Description:

A list of valid SPAR based Funding Source Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SPAR_FUND_SRCE_CODE                        |               | N          | VARCHAR2      | 3             |
| A code describing various Funding Sources.   |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE is described by one or more ORCHARD COMMITMENTS TRANS

MAY BE contains a code for one or more SEEDLOT OWNER QUANTITY

MAY BE contains a code for one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                        |         |   |
|------------------------|---------|---|
| SPAR_FUND_SRCE_CODE_PK | Primary | Y |
| SPAR_FUND_SRCE_CODE    |         |   |

|                                   |               |                     |                            |                     |       |
|-----------------------------------|---------------|---------------------|----------------------------|---------------------|-------|
| <b>Entity Name:</b> SPAR ORG MGMT |               |                     |                            | <b>Short Name:</b>  | SOM   |
| <b>Plural:</b>                    | SPAR ORG MGMT |                     |                            |                     |       |
| <b>Init. Volume:</b>              | 0             | <b>Avg. Volume:</b> | 1500                       | <b>Max. Volume:</b> | 15000 |
|                                   |               |                     | <b>Annual Growth Rate:</b> |                     |       |

**Description:**  
An association between a Seedling Request and Management Unit information at the Org Unit level

**Attributes:**

| <u>Name</u>                                                                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                                  |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                         |               |            |               |               |
| * ORG_MGMT_UNIT_NO                                                                                              |               | N          | NUMBER        | 10,0          |
| Sequentially assigned number to identify an Org_Unit, Management_Unit_Type, and Management_Unit_ID combination. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                    |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is an element of one and only one ORG MGMT UNIT  
MUST BE manages one and only one SPAR REQUEST  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
SPAR\_ORG\_MGMT\_PK                      Primary    Y  
    REQUEST\_SKEY  
    ORG\_MGMT\_UNIT\_NO

**Entity Name:** SPAR REQUEST**Short Name:** SR1**Plural:** SPAR REQUEST**Init. Volume:** 50000**Avg. Volume:** 15000**Max. Volume:** 100000**Annual Growth Rate:****Description:**

A request for services to be provided. There are many types of requests (e.g. Seedling Requests, Seed Withdrawals, Tests and Evaluations, etc.). A request may be for several Items. Each Item may have several Services.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_SKEY                                                                                                                                                                                                                     |               | N          | NUMBER        | 10,0          |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                                                                            |               |            |               |               |
| REQUEST_TYPE_CODE                                                                                                                                                                                                                  |               | N          | VARCHAR2      | 3             |
| A code which represents the type of request transaction.                                                                                                                                                                           |               |            |               |               |
| SOWING_YEAR                                                                                                                                                                                                                        |               | N          | NUMBER        | 5,0           |
| The year in which the seed is sown to produce seedlings.                                                                                                                                                                           |               |            |               |               |
| REQUEST_YEAR                                                                                                                                                                                                                       |               | N          | NUMBER        | 5,0           |
| The year in which the requested services should be provided.                                                                                                                                                                       |               |            |               |               |
| ORG_UNIT_NO                                                                                                                                                                                                                        |               | N          | NUMBER        | 10,0          |
| Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".            |               |            |               |               |
| REQUEST_SEQUENCE                                                                                                                                                                                                                   |               | N          | NUMBER        | 5,0           |
| A sequentially assigned identifier for the request. For a seedling request it is assigned within the Sowing Year and Org Unit. For other requests it is assigned within the Request Type and Request Year.                         |               |            |               |               |
| SPR_REQUEST_STATUS_CODE                                                                                                                                                                                                            |               | N          | VARCHAR2      | 3             |
| A code which represents the current status of a request.                                                                                                                                                                           |               |            |               |               |
| RQST_CLI_NUMBER                                                                                                                                                                                                                    |               | Y          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| RQST_CLI_LOCN_CD                                                                                                                                                                                                                   |               | Y          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| DIST_ADMIN_ZONE                                                                                                                                                                                                                    |               | Y          | VARCHAR2      | 2             |
| A zonal code, district specific in meaning.                                                                                                                                                                                        |               |            |               |               |
| INTENDED_USE_CODE                                                                                                                                                                                                                  |               | Y          | VARCHAR2      | 3             |
| A code which represents the intended use of seedlings on a Seedling Request.                                                                                                                                                       |               |            |               |               |
| METHOD_OF_PAYMENT_CODE                                                                                                                                                                                                             |               | Y          | VARCHAR2      | 3             |
| A code which represents the method of payment for services where payment is required.                                                                                                                                              |               |            |               |               |
| REQUIRED_BY_DATE                                                                                                                                                                                                                   |               | Y          | DATE          |               |
| The date (year, month and day) on which the requestor would like the services completed.                                                                                                                                           |               |            |               |               |
| PRIORITY_DATE                                                                                                                                                                                                                      |               | Y          | DATE          |               |
| The date (year, month and day) on which the request became a priority.                                                                                                                                                             |               |            |               |               |
| AUTHORIZATION_CODE                                                                                                                                                                                                                 |               | Y          | VARCHAR2      | 3             |
| A code which represents the form by which authority for the request was received.                                                                                                                                                  |               |            |               |               |
| SRVC_CLI_NUMBER                                                                                                                                                                                                                    |               | Y          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| SRVC_CLI_LOCN_CD                                                                                                                                                                                                                   |               | Y          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| VEGETATION_CODE                                                                                                                                                                                                                    |               | Y          | VARCHAR2      | 8             |

| <b>Entity Name:</b> SPAR REQUEST (cont'd)                                                                                                                                                                                                            |                    | Short Name: | SR1 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|-----|
| A code which represents a species of tree or brush.                                                                                                                                                                                                  |                    |             |     |
| GENETIC_A_SPZ_CODE                                                                                                                                                                                                                                   | Y VARCHAR2         | 3           |     |
| A code which represents the geographic area of the planned planting site for genetic A class seedling requests.                                                                                                                                      |                    |             |     |
| GENETIC_B_SPZ_CODE                                                                                                                                                                                                                                   | Y VARCHAR2         | 3           |     |
| A code which represents the geographic area of the planned planting site for genetic B class seedling requests.                                                                                                                                      |                    |             |     |
| ELEVATION_SITE_MIN                                                                                                                                                                                                                                   | Y NUMBER           | 5,0         |     |
| ELEVATION_SITE_MAX                                                                                                                                                                                                                                   | Y NUMBER           | 5,0         |     |
| NAD_DATUM_CODE                                                                                                                                                                                                                                       | Y VARCHAR2         | 2           |     |
| A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.                                                                                                                                                          |                    |             |     |
| UTM_ZONE                                                                                                                                                                                                                                             | Y NUMBER           | 5,0         |     |
| The Universal Transverse Mercator location reference. This is the Zone reference of the planned planting site.                                                                                                                                       |                    |             |     |
| UTM_EASTING                                                                                                                                                                                                                                          | Y NUMBER           | 10,0        |     |
| The Universal Transverse Mercator location reference. This is the Easting reference (metres east of the Central Meridian of the zone) of the planned planting site.                                                                                  |                    |             |     |
| UTM_NORTHING                                                                                                                                                                                                                                         | Y NUMBER           | 10,0        |     |
| The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator) of the planned planting site.                                                                                                     |                    |             |     |
| LATITUDE_DEGREES                                                                                                                                                                                                                                     | LATITUDE N NUMBER  | 2,0         |     |
| The latitude (degrees portion) of the planned planting site.                                                                                                                                                                                         |                    |             |     |
| LATITUDE_MINUTES                                                                                                                                                                                                                                     | MINUTES N NUMBER   | 2,0         |     |
| The latitude (minutes portion) of the planned planting site.                                                                                                                                                                                         |                    |             |     |
| LONGITUDE_DEGREES                                                                                                                                                                                                                                    | LONGITUDE N NUMBER | 3,0         |     |
| The longitude (degrees portion) of the planned planting site.                                                                                                                                                                                        |                    |             |     |
| LONGITUDE_MINUTES                                                                                                                                                                                                                                    | MINUTES N NUMBER   | 2,0         |     |
| The longitude (minutes portion) of the planned planting site.                                                                                                                                                                                        |                    |             |     |
| SEED_COAST_AREA_CODE                                                                                                                                                                                                                                 | Y VARCHAR2         | 3           |     |
| A code representing the geographic area for the planned planning site if it is in the Maritime Seed Planning Zone.                                                                                                                                   |                    |             |     |
| MAPSHEET GRID                                                                                                                                                                                                                                        | Y CHAR             |             |     |
| MAPSHEET LETTER                                                                                                                                                                                                                                      | Y CHAR             |             |     |
| MAPSHEET SQUARE                                                                                                                                                                                                                                      | Y CHAR             |             |     |
| MAPSHEET QUAD                                                                                                                                                                                                                                        | Y CHAR             |             |     |
| MAPSHEET SUB QUAD                                                                                                                                                                                                                                    | Y CHAR             |             |     |
| OPENING NUMBER                                                                                                                                                                                                                                       | Y CHAR             |             |     |
| SEEDLING_STOCK_TYPE_CODE                                                                                                                                                                                                                             | Y VARCHAR2         | 3           |     |
| A code which represents the type of stock which is to be grown at the nursery.                                                                                                                                                                       |                    |             |     |
| SEEDLING_CONTAINER_CODE                                                                                                                                                                                                                              | Y VARCHAR2         | 4           |     |
| A code representing the type of container in which seedlings will be grown (if container stock). The first character represents the approximate diameter, the next two characters represent the approximate depth, and a one character density code. |                    |             |     |
| SEEDLING_STOCK_AGE_CODE                                                                                                                                                                                                                              | Y VARCHAR2         | 6           |     |
| A code which represents the age of the stock being requested to be grown. It has three parts (two characters each) each representing the number of years in a given growing medium. e.g. 151510 represents 1.5 + 1.5 + 1.0 years (4.0 years).        |                    |             |     |
| PLANTING_YEAR                                                                                                                                                                                                                                        | Y NUMBER           | 5,0         |     |
| The year in which the seedlings will be planted at the planting site.                                                                                                                                                                                |                    |             |     |

| <b>Entity Name:</b> SPAR REQUEST (cont'd)                                                                                                                                                                                          |              | Short Name: | SR1 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-----|
| PLANTING_DAY                                                                                                                                                                                                                       | Y VARCHAR2   | 4           |     |
| The month and day within the planting year and season for which the requesting agency would like the seedlings delivered to the planting site. Normally it is provided for hot-lifted stock for summer or fall planting.           |              |             |     |
| PLANTING_SEASON_CODE                                                                                                                                                                                                               | Y VARCHAR2   | 2           |     |
| A code which represents a time period within a year for which planting occurs.                                                                                                                                                     |              |             |     |
| QTY_SEEDLINGS_RQST                                                                                                                                                                                                                 | N NUMBER     | 6,1         |     |
| The total number, in thousands, of seedlings which are being requested.                                                                                                                                                            |              |             |     |
| LOT_CLI_NUMBER                                                                                                                                                                                                                     | Y VARCHAR2   | 8           |     |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |              |             |     |
| LOT_CLI_LOCN_CD                                                                                                                                                                                                                    | Y VARCHAR2   | 2           |     |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |              |             |     |
| LOT_CROWN_PRIVATE_IND                                                                                                                                                                                                              | Y VARCHAR2   | 1           |     |
| CROWN_LAND_IND                                                                                                                                                                                                                     | Y VARCHAR2   | 1           |     |
| An indicator which represents whether the planting site is located on Crown land.                                                                                                                                                  |              |             |     |
| SPR_TENURE_CODE                                                                                                                                                                                                                    | Y VARCHAR2   | 3           |     |
| A code which represents the type of licence agreement that applies to the planting site.                                                                                                                                           |              |             |     |
| SPAR_FUND_SRCE_CODE                                                                                                                                                                                                                | Y VARCHAR2   | 3           |     |
| A code which represents the source funds for payment of the request.                                                                                                                                                               |              |             |     |
| NURSRY_CLI_NUMBER                                                                                                                                                                                                                  | Y VARCHAR2   | 8           |     |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |              |             |     |
| NURSRY_CLI_LOCN_CD                                                                                                                                                                                                                 | Y VARCHAR2   | 2           |     |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |              |             |     |
| INTENDED_USE_LOCN                                                                                                                                                                                                                  | Y VARCHAR2   | 30          |     |
| A free format text field used to identify the planting site.                                                                                                                                                                       |              |             |     |
| AUTHORIZED_BY_PRSN                                                                                                                                                                                                                 | Y VARCHAR2   | 30          |     |
| The name of the person who authorized the request.                                                                                                                                                                                 |              |             |     |
| CLIENT_REFERENCE                                                                                                                                                                                                                   | Y VARCHAR2   | 25          |     |
| A free format text field used to identify the client's reference for the request.                                                                                                                                                  |              |             |     |
| <i>2007-08-10 R.A.Robb (Rls 4.0)</i>                                                                                                                                                                                               |              |             |     |
| <i>- This column is no longer used for Seedling Requests. Any existing reference information was converted into REQUEST_COMMENT.</i>                                                                                               |              |             |     |
| BGC_ZONE_CODE                                                                                                                                                                                                                      | Y CHAR       | 4           |     |
| Defines the intended Biogeoclimatic Zone for a Seedling Request.                                                                                                                                                                   |              |             |     |
| BGC_SUBZONE_CODE                                                                                                                                                                                                                   | Y VARCHAR2   | 3           |     |
| Defines the intended Biogeoclimatic Subzone for a Seedling Request.                                                                                                                                                                |              |             |     |
| VARIANT                                                                                                                                                                                                                            | Y CHAR       | 1           |     |
| Defines the intended Biogeoclimatic Variant for a Seedling Request.                                                                                                                                                                |              |             |     |
| RQST_CHANGED_IND                                                                                                                                                                                                                   | N VARCHAR2   | 1           |     |
| An indicator used to identify that a request has been added or changed so that it can be reported. It is reset when reported.                                                                                                      |              |             |     |
| BATCH_JOB_ID                                                                                                                                                                                                                       | Y VARCHAR2   | 8           |     |
| The name of the batch job that changed the request.                                                                                                                                                                                |              |             |     |
| BATCH_UPDATE_TS                                                                                                                                                                                                                    | AUDIT_DATE   | Y DATE      |     |
| The time and date a request was updated by a batch job.                                                                                                                                                                            |              |             |     |
| APPROVED_USERID                                                                                                                                                                                                                    | AUDIT_USERID | Y VARCHAR2  | 30  |

| <b>Entity Name:</b> SPAR REQUEST (cont'd)                                                    |              | Short Name: | SR1  |
|----------------------------------------------------------------------------------------------|--------------|-------------|------|
| The userid of the individual that approved the request.                                      |              |             |      |
| APPROVED_TIMESTAMP                                                                           | AUDIT_DATE   | Y DATE      |      |
| The time and date a request was approved.                                                    |              |             |      |
| REQUEST_COMMENT                                                                              |              | Y VARCHAR2  | 2000 |
| A free format text field used to enter general comments for a request.                       |              |             |      |
| 2007-08-10 R.A.Robb (Rls 4.0)                                                                |              |             |      |
| - Increased maxlength from 250 to 2000                                                       |              |             |      |
| ENTRY_USERID                                                                                 | AUDIT_USERID | N VARCHAR2  | 30   |
| The userid of the individual that entered the request.                                       |              |             |      |
| ENTRY_TIMESTAMP                                                                              | AUDIT_DATE   | N DATE      |      |
| The time and date a request was entered onto the system.                                     |              |             |      |
| UPDATE_USERID                                                                                | AUDIT_USERID | N VARCHAR2  | 30   |
| The userid of the individual that changed the request.                                       |              |             |      |
| UPDATE_TIMESTAMP                                                                             | AUDIT_DATE   | N DATE      |      |
| The time and date a request was last updated on the system.                                  |              |             |      |
| REVISION_COUNT                                                                               |              | N NUMBER    | 5,0  |
| A counter used to ensure data integrity. This item should be incremented during each update. |              |             |      |
| * = Attributes in primary unique identifier.                                                 |              |             |      |

**Relationships:**Each Occurrence Of This Entity:

MAY BE is described by one and only one AUTHORIZATION CODE  
 MAY BE has a BGC zone of one and only one BEC CODE TABLE  
 MAY BE is described by one and only one INTENDED USE CODE  
 MAY BE is described by one and only one LOT OWNERSHIP CODE  
 MAY BE is described by one and only one METHOD OF PAYMENT CODE  
 MAY BE is described by one and only one NAD DATUM CODE  
 MAY BE requests one and only one NURSERY LOCATION  
 MAY BE planted on one and only one OPENING  
 MAY BE is described by one and only one PLANTING SEASON CODE  
 MAY BE is comprised of one or more REQUEST ITEM  
 MUST BE is described by one and only one REQUEST TYPE CODE  
 MAY BE is described by one and only one SEED COAST AREA CODE  
 MAY BE is described by one and only one SEED PLAN ZONE CODE  
 MAY BE is described by one and only one SEEDLING CONTAINER CODE  
 MAY BE is described by one and only one SEEDLING STOCK AGE CODE  
 MAY BE is described by one and only one SEEDLING STOCK TYPE CODE  
 MAY BE is described by a second code of one and only one SEEDLOT PLAN ZONE  
 MAY BE described by one or more SHIPPING INSTRUCTION  
 MAY BE is audited by one or more SPAR AUDIT  
 MAY BE is managed by one or more SPAR CUTBLOCK LINK  
 MAY BE is described by one and only one SPAR FUND SRCE CODE  
 MAY BE is managed by one or more SPAR ORG MGMT  
 MAY BE is described one and only one SPAR REQUEST REGULATION CODE  
 MUST BE is described by one and only one SPR\_REQUEST\_STATUS\_CODE  
 MAY BE is described by one and only one SPR\_TENURE\_CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

I1\$\_SPAR\_REQUEST                      Primary    N

**Entity Name:** SPAR REQUEST (cont'd)*Short Name:*

SR1

*REQUEST\_TYPE\_CODE**SOWING\_YEAR**REQUEST\_YEAR**ORG\_UNIT\_NO**REQUEST\_SEQUENCE*

SPAR\_REQUEST\_PK

*Primary Y**REQUEST\_SKEY***Notes:**

2005-05-19 R.A.Robb

- Removed the following attributes -- they are replaced by relationship to OPENING.

MAPSHEET\_GRID

MAPSHEET\_LETTER

MAPSHEET\_SQUARE

MAPSHEET\_QUAD

MAPSHEET\_SUB\_QUAD

OPENING\_NUMBER

2007-08-10 R.A.Robb (Rls 4.0)

- Increased maxlength of REQUEST COMMENT from 250 to 2000

|                                                  |                              |                     |                            |       |
|--------------------------------------------------|------------------------------|---------------------|----------------------------|-------|
| <b>Entity Name:</b> SPAR REQUEST REGULATION CODE |                              |                     | <b>Short Name:</b>         | SRRCD |
| <b>Plural:</b>                                   | SPAR REQUEST REGULATION CODE |                     |                            |       |
| <b>Init. Volume:</b>                             | <b>Avg. Volume:</b>          | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |       |

Description:

Attributes:

| <u>Name</u>                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------|---------------|------------|---------------|---------------|
| * SPAR REQUEST REGULATION CODE |               | N          | VARCHAR2      | 4             |
| DESCRIPTION                    |               | N          | VARCHAR2      | 120           |
| EFFECTIVE DATE                 |               | N          | DATE          |               |
| EXPIRY DATE                    |               | N          | DATE          |               |
| UPDATE TIMESTAMP               |               | N          | DATE          |               |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                              |         |   |
|------------------------------|---------|---|
| SRRCD                        | Primary | Y |
| SPAR REQUEST REGULATION CODE |         |   |

|                                     |                 |                     |                            |                       |
|-------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SPAR YEAR LIMIT |                 |                     | <b>Short Name:</b>         | SYL                   |
| <b>Plural:</b>                      | SPAR YEAR LIMIT |                     |                            |                       |
| <b>Init. Volume:</b>                | 1               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 1 |
|                                     |                 |                     | <b>Annual Growth Rate:</b> |                       |

Description:

A table used to identify what the maximum number of years into the future that will be allowed for Seedling Requests and Other Requests. This is a one row table.

Attributes:

| <u>Name</u>                                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * DUMMY ACCESS KEY                                                                                                                   |               | N          | VARCHAR2      | 1             |
| A system required column to allow the use of a where clause, avoiding trivial compiler warnings, without forcing a table scan.       |               |            |               |               |
| SOWING YEAR LIMIT                                                                                                                    |               | N          | NUMBER        | 5,0           |
| The number of years into the future from the current sowing year for which seedling requests will be allowed.                        |               |            |               |               |
| REQUEST YEAR LIMIT                                                                                                                   |               | N          | NUMBER        | 5,0           |
| The number of years into the future from the current year for which other requests will be allowed. Other requests are non-seedling. |               |            |               |               |
| REVISION COUNT                                                                                                                       | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                         |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                         |               |            |               |               |

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| SPAR_YEAR_LIMIT_PK | Primary | Y |
| DUMMY ACCESS KEY   |         |   |

|                                              |                          |                     |    |                            |      |
|----------------------------------------------|--------------------------|---------------------|----|----------------------------|------|
| <b>Entity Name:</b> SPECIES GENETIC SPZ XREF |                          |                     |    | <b>Short Name:</b>         | SGSX |
| <b>Plural:</b>                               | SPECIES GENETIC SPZ XREF |                     |    |                            |      |
| <b>Init. Volume:</b>                         | 1750                     | <b>Avg. Volume:</b> | 50 | <b>Max. Volume:</b>        | 3000 |
|                                              |                          |                     |    | <b>Annual Growth Rate:</b> |      |

**Description:**

A table containing a valid list of vegetation or tree species of a given genetic class that occurs within a seed planning zone.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                             | <u>Domain</u>      | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|---------------|---------------|
| * VEGETATION_CODE                                                                                                                                                                                       | VEGETATION_CODE    | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                     |                    |            |               |               |
| * GENETIC_CLASS_CODE                                                                                                                                                                                    | GENETIC_CLASS_CODE | N          | VARCHAR2      | 1             |
| A code which represents the genetic quality of material (seed or cuttings). 'A' class represents superior orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings. |                    |            |               |               |
| * SEED_PLAN_ZONE_CODE                                                                                                                                                                                   |                    | N          | VARCHAR2      | 3             |
| A code which represents an approved geographic area for which the seed or cuttings are to be planted.                                                                                                   |                    |            |               |               |
| REVISION_COUNT                                                                                                                                                                                          | REVISION_CNT       | N          | NUMBER        | 5,0           |
| Internal counter used by the system to avoid conflicting updates to the record.                                                                                                                         |                    |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                            |                    |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MUST BE is described by one and only one GENETIC CLASS CODE

MUST BE classifies A and B zones one and only one SEED PLAN ZONE CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SPECIES\_GENETIC\_SPZ\_XREF\_PK     Primary   Y

VEGETATION\_CODE

GENETIC\_CLASS\_CODE

SEED\_PLAN\_ZONE\_CODE

|                                                 |                             |              |                     |                  |
|-------------------------------------------------|-----------------------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> SPECIES_AVERAGE_GERMINATION |                             |              | Short Name:         | SAG              |
| Plural:                                         | SPECIES_AVERAGE_GERMINATION |              |                     |                  |
| Init. Volume:                                   | 50                          | Avg. Volume: | 10                  | Max. Volume: 100 |
|                                                 |                             |              | Annual Growth Rate: |                  |

Description:

A table used to provide the average germination of a Species.

Attributes:

| <u>Name</u>                                                                                                                                                                                                                       | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * VEGETATION_CODE                                                                                                                                                                                                                 | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                               |                 |            |               |               |
| GERMINATION_PCT                                                                                                                                                                                                                   |                 | N          | NUMBER        | 5,0           |
| Germination of a seed in a laboratory test is the emergence and development from the seed embryo of those essential structures which are indicative of the ability to produce a normal plant under favourable nursery conditions. |                 |            |               |               |
| SEEDS_PER_GRAM                                                                                                                                                                                                                    |                 | N          | NUMBER        | 5,0           |
| The number of seeds counted per gram of pure seed.                                                                                                                                                                                |                 |            |               |               |
| KG_YIELD_HL                                                                                                                                                                                                                       |                 | Y          | NUMBER        | 7,3           |
| The kilogram yield of clean seed per hectolitre of cones extracted.                                                                                                                                                               |                 |            |               |               |
| GERMINATION_VALUE                                                                                                                                                                                                                 |                 | Y          | NUMBER        | 10,0          |
| The germination value assigned to a seedlot, calculated as: peak germination value * mean daily germination value (expressed as percent over time).                                                                               |                 |            |               |               |
| PEAK_VALUE_GRM_PCT                                                                                                                                                                                                                |                 | Y          | NUMBER        | 10,0          |
| The peak germination percentage achieved in a certain number of days.                                                                                                                                                             |                 |            |               |               |
| PEAK_VALUE_NO_DAYS                                                                                                                                                                                                                |                 | Y          | NUMBER        | 10,0          |
| The number of days required to reach the peak value germination percentage.                                                                                                                                                       |                 |            |               |               |
| BILLING_GERMINATION_PCT                                                                                                                                                                                                           |                 | N          | NUMBER        | 5,0           |
| The germination percentage achieved in a certain number of days the client is to be billed for.                                                                                                                                   |                 |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                    | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                      |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                      |                 |            |               |               |

Unique Identifiers:

|                             |         |   |
|-----------------------------|---------|---|
| SPECIES_AVERAGE_GERMINATION | Primary | Y |
| VEGETATION_CODE             |         |   |

**Entity Name:** SPR15\_TEMP\_TABLE**Short Name:**

SPR15

**Plural:** SPR15\_TEMP\_TABLE**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

An Oracle temporary table used for the Request Approval Search to contain resultant filtered data.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| APPROVE_IND                                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 1             |
| A boolean indicator to indicate if a request has been approved or not.                                                                                                                                                                               |               |            |               |               |
| REQUEST_ID                                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 12            |
| A logical business key to uniquely identify each Spar Request.                                                                                                                                                                                       |               |            |               |               |
| REQUEST_SKEY                                                                                                                                                                                                                                         |               | N          | NUMBER        | 10            |
| A surrogate key to uniquely identify each Spar Request.                                                                                                                                                                                              |               |            |               |               |
| REQUEST_STATUS                                                                                                                                                                                                                                       |               | N          | VARCHAR2      | 3             |
| A code which represents the current status of a request.                                                                                                                                                                                             |               |            |               |               |
| RQST_CLIENT_NUMBER                                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                                          |               |            |               |               |
| RQST_CLIENT_LOCN_CODE                                                                                                                                                                                                                                |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.                   |               |            |               |               |
| ADMIN_ZONE                                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 2             |
| A zonal code, district specific in meaning.                                                                                                                                                                                                          |               |            |               |               |
| INTENDED_USE                                                                                                                                                                                                                                         |               | N          | VARCHAR2      | 3             |
| A code which represents the intended use of seedlings on a Seedling Request.                                                                                                                                                                         |               |            |               |               |
| GRAMS_REQUESTED                                                                                                                                                                                                                                      |               | N          | NUMBER        | 13,1          |
| The amount of seed requested in grams.                                                                                                                                                                                                               |               |            |               |               |
| SEEDLINGS_REQUESTED                                                                                                                                                                                                                                  |               | N          | NUMBER        | 13,1          |
| The amount of seedlings requested.                                                                                                                                                                                                                   |               |            |               |               |
| VEGETATION_CODE                                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                                                  |               |            |               |               |
| STOCK_TYPE                                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 3             |
| A code which represents the type of stock which is to be grown at the nursery.                                                                                                                                                                       |               |            |               |               |
| STOCK_AGE                                                                                                                                                                                                                                            |               | N          | VARCHAR2      | 6             |
| A code which represents the age of the stock being requested to be grown. It has three parts (two characters each) each representing the number of years in a given growing medium. e.g. 151510 represents 1.5 + 1.5 + 1.0 years (4.0 years).        |               |            |               |               |
| CONTAINER_TYPE                                                                                                                                                                                                                                       |               | N          | VARCHAR2      | 4             |
| A code representing the type of container in which seedlings will be grown (if container stock). The first character represents the approximate diameter, the next two characters represent the approximate depth, and a one character density code. |               |            |               |               |
| LOT_TYPE                                                                                                                                                                                                                                             |               | N          | VARCHAR2      | 1             |
| An indicator used to determine if a Seedlot or a Vegetative Lot is associated with the request.                                                                                                                                                      |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                                       |               | N          | NUMBER        | 10            |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                                         |               |            |               |               |

\* = Attributes in primary unique identifier.

**Entity Name:** SPR90\_LOT\_SEARCH\_RESULT**Short Name:** SPR90**Plural:** SPR90\_LOT\_SEARCH\_RESULT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

An Oracle temporary table used for the Lot Search to contain resultant filtered data.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| LOT_ID                                                                                                                                                                                                                             |               | N          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings or seedlots of a particular species with the same genetic class and suitability factors.                                                                              |               |            |               |               |
| CLIENT_NUMBER                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| CLIENT_LOCN_CODE                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| SPZ                                                                                                                                                                                                                                |               | N          | VARCHAR2      | 4             |
| A code which represents an approved geograhic area for which seed or cutting lots may be used.                                                                                                                                     |               |            |               |               |
| An asterisk is appended to the end to indicate multiple codes associated with a seed or cutting lots.                                                                                                                              |               |            |               |               |
| GENETIC_CLASS_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 1             |
| A code which represents a subclassification of genetic quality for 'A' class seed or cutting lots.                                                                                                                                 |               |            |               |               |
| GENETIC_WORTH                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 6             |
| The rating for a subclassification of genetic quality for 'A' class seed or cutting lots.                                                                                                                                          |               |            |               |               |
| GERM_ROOT_PCT                                                                                                                                                                                                                      |               | N          | NUMBER        | 5             |
| The germination percentage of a given seed lot or the rooting success factor of a cutting lot.                                                                                                                                     |               |            |               |               |
| CROWN_PRIVATE                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 7             |
| An indicator used to indicate whether the seed or cuttings are privately held or owned by the ministry.                                                                                                                            |               |            |               |               |
| AGENCY                                                                                                                                                                                                                             |               | N          | VARCHAR2      | 8             |
| The client acronym of the associated client number.                                                                                                                                                                                |               |            |               |               |
| ELEVATION                                                                                                                                                                                                                          |               | N          | NUMBER        | 5             |
| The mean elevation associated with the seed or cutting lot.                                                                                                                                                                        |               |            |               |               |
| LATITUDE_DEGREES                                                                                                                                                                                                                   |               | N          | NUMBER        | 5             |
| The mean latitude (in degrees) associated with the seed or cutting lot.                                                                                                                                                            |               |            |               |               |
| LATITUDE_MINUTES                                                                                                                                                                                                                   |               | N          | NUMBER        | 5             |
| The mean latitude (in minutes) associated with the seed or cutting lot.                                                                                                                                                            |               |            |               |               |
| LONGITUDE_DEGREES                                                                                                                                                                                                                  |               | N          | NUMBER        | 5             |
| The mean longitude (in degrees) associated with the seed or cutting lot.                                                                                                                                                           |               |            |               |               |
| LONGITUDE_MINUTES                                                                                                                                                                                                                  |               | N          | NUMBER        | 5             |
| The mean longitude (in minutes) associated with the seed or cutting lot.                                                                                                                                                           |               |            |               |               |
| ORCHARD_LOCATION                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 30            |
| The location in which the lot was collected or produced.                                                                                                                                                                           |               |            |               |               |
| COLL_PROD_YEAR                                                                                                                                                                                                                     |               | N          | VARCHAR2      | 4             |
| The year in which the lot was collected or produced.                                                                                                                                                                               |               |            |               |               |
| AGE_CLASS                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 1             |
| A code which represents the age range for a group of cuttings from a particular cutting lot.                                                                                                                                       |               |            |               |               |
| POTENTIAL_TREES                                                                                                                                                                                                                    |               | N          | NUMBER        | 11            |

|              |                                  |             |       |
|--------------|----------------------------------|-------------|-------|
| Entity Name: | SPR90_LOT_SEARCH_RESULT (cont'd) | Short Name: | SPR90 |
|--------------|----------------------------------|-------------|-------|

|                                                               |   |        |    |
|---------------------------------------------------------------|---|--------|----|
| The quantity of seed or cuttings available for the given lot. |   |        |    |
| QUANTITY                                                      | N | NUMBER | 11 |
| The quantity of seed or cuttings available for the given lot. |   |        |    |
| * = Attributes in primary unique identifier.                  |   |        |    |

**Entity Name:** SPR92\_TEMP\_TABLE**Short Name:** SPR92**Plural:** SPR92\_TEMP\_TABLE**Init. Volume:** Avg. Volume:**Max. Volume:****Annual Growth Rate:****Description:**

An Oracle temporary table used for the Request Key Search to contain resultant filtered data.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| ENTRY_TIMESTAMP                                                                                                                                                                                                                                      |               | N          | DATE          |               |
| The time and date a request was entered onto the system.                                                                                                                                                                                             |               |            |               |               |
| REQUEST_ID                                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 12            |
| A logical business key to uniquely identify each Spar Request.                                                                                                                                                                                       |               |            |               |               |
| REQUEST_STATUS                                                                                                                                                                                                                                       |               | N          | VARCHAR2      | 3             |
| A code which represents the current status of a request.                                                                                                                                                                                             |               |            |               |               |
| CLIENT_NUMBER                                                                                                                                                                                                                                        |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                                          |               |            |               |               |
| CLIENT_LOCN_CODE                                                                                                                                                                                                                                     |               | N          | VARCHAR2      | 2             |
| DISPLAY_CLIENT_NUMBER                                                                                                                                                                                                                                |               | N          | VARCHAR2      | 8             |
| A client acronym associated with the sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                       |               |            |               |               |
| LOT_NUMBER                                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings or seedlots of a particular species with the same genetic class and suitability factors.                                                                                                |               |            |               |               |
| VEGETATION_CODE                                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                                                                  |               |            |               |               |
| STOCK_TYPE                                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 3             |
| A code which represents the type of stock which is to be grown at the nursery.                                                                                                                                                                       |               |            |               |               |
| CONTAINER_TYPE                                                                                                                                                                                                                                       |               | N          | VARCHAR2      | 4             |
| A code representing the type of container in which seedlings will be grown (if container stock). The first character represents the approximate diameter, the next two characters represent the approximate depth, and a one character density code. |               |            |               |               |
| STOCK_AGE                                                                                                                                                                                                                                            |               | N          | VARCHAR2      | 6             |
| A code which represents the age of the stock being requested to be grown. It has three parts (two characters each) each representing the number of years in a given growing medium. e.g. 151510 represents 1.5 + 1.5 + 1.0 years (4.0 years).        |               |            |               |               |
| OVERRIDE_REASON                                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 4             |
| The latest Override Reason that is associated with the given Request.                                                                                                                                                                                |               |            |               |               |
| SEEDLINGS_REQUESTED                                                                                                                                                                                                                                  |               | N          | NUMBER        | 7,1           |
| The amount of seedlings requested.                                                                                                                                                                                                                   |               |            |               |               |
| QUANTITY_REQUESTED                                                                                                                                                                                                                                   |               | N          | NUMBER        | 7,1           |
| The amount of seedlings requested in grams.                                                                                                                                                                                                          |               |            |               |               |

\* = Attributes in primary unique identifier.

**Entity Name:** SPR96\_SUITABLE\_LOT\_RESULT**Short Name:** SPR96\_1**Plural:** SPR96 SUITABLE LOT RESULTS\_1**Init. Volume:** 0**Avg. Volume:****Max. Volume:** 0**Annual Growth Rate:****Description:**

An Oracle temporary table used for theTransfer Guideline routine to contain resultant filtered data.

**Attributes:**

| <u>Name</u>                                                                                                                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| GCW_DISPLAY                                                                                                                                           |               | Y          | VARCHAR2      | 7             |
| Most important Genetic Worth for the Lot.                                                                                                             |               |            |               |               |
| GENETIC_WORTH_CODE                                                                                                                                    |               | Y          | VARCHAR2      | 1             |
| A code which represents a subclassification of genetic quality for 'A' class seed lots.                                                               |               |            |               |               |
| GENETIC_WORTH_RTNG                                                                                                                                    |               | Y          | NUMBER        | 5,0           |
| The rating for a subclassification of genetic quality for 'A' class seed lots.                                                                        |               |            |               |               |
| GENETIC_CLASS_CODE                                                                                                                                    |               | Y          | VARCHAR2      | 1             |
| A code which represents a subclassification of genetic quality for 'A' class seed or cutting lots.                                                    |               |            |               |               |
| SUPERIOR_PRVNC_IND                                                                                                                                    |               | Y          | VARCHAR2      | 1             |
| An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N' - No).                                    |               |            |               |               |
| LOT_NUMBER                                                                                                                                            |               | Y          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings or seedlots of a particular species with the same genetic class and suitability factors. |               |            |               |               |
| CUTTING_PRDCTN_YEAR                                                                                                                                   |               | Y          | NUMBER        | 5,0           |
| The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.                         |               |            |               |               |
| LOT_TYPE                                                                                                                                              |               | Y          | VARCHAR2      | 1             |
| The type of lot that passed the Transfer Guideline Exceptions.                                                                                        |               |            |               |               |
| REGISTERED_SEED_IND                                                                                                                                   |               | Y          | VARCHAR2      | 1             |
| Indicates whether the Seed is Registered or not.                                                                                                      |               |            |               |               |
| ROOTING_SUCCESS_FCTR                                                                                                                                  |               | Y          | NUMBER        | 5,0           |
| The percentage of total cuttings that are expected to produce acceptable rooted seedlings.                                                            |               |            |               |               |
| VEGETATION_CODE                                                                                                                                       |               | Y          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                   |               |            |               |               |
| ELEVATION                                                                                                                                             |               | Y          | NUMBER        | 5,0           |
| The representative elevation in meters where the seed or cutting lot parent trees originated.                                                         |               |            |               |               |
| ELEVATION_MIN                                                                                                                                         |               | Y          | NUMBER        | 5,0           |
| The minimum elevation in meters where the seed or cutting lot parent trees originated.                                                                |               |            |               |               |
| ELEVATION_MAX                                                                                                                                         |               | Y          | NUMBER        | 5,0           |
| The maximum elevation in meters where the seed or cutting lot parent trees originated.                                                                |               |            |               |               |
| LONGITUDE_DEGREES                                                                                                                                     |               | Y          | NUMBER        | 3,0           |
| The logitude (degrees portion) for the Seed or Cutting Lot.                                                                                           |               |            |               |               |
| LONGITUDE_MINUTES                                                                                                                                     |               | Y          | NUMBER        | 2,0           |
| The longitude (minutes portion) for the Seed or Cutting Lot.                                                                                          |               |            |               |               |
| LONGITUDE_DEG_MIN                                                                                                                                     | LONGITUDE     | Y          | NUMBER        | 3,0           |
| Retrofitted from column LONGITUDE_DEG_MIN of table SPR96_SUITABLE_LOT_RESULT                                                                          |               |            |               |               |
| LONGITUDE_MIN_MIN                                                                                                                                     | MINUTES       | Y          | NUMBER        | 2,0           |
| Retrofitted from column LONGITUDE_MIN_MIN of table SPR96_SUITABLE_LOT_RESULT                                                                          |               |            |               |               |
| LONGITUDE_DEG_MAX                                                                                                                                     | LONGITUDE     | Y          | NUMBER        | 3,0           |

| <b>Entity Name:</b> SPR96_SUITABLE_LOT_RESULT (cont'd)                                                                                                                                                                                                |         | Short Name: | SPR96_1 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|---------|
| Retrofitted from column LONGITUDE_DEG_MAX of table SPR96_SUITABLE_LOT_RESULT                                                                                                                                                                          |         |             |         |
| LONGITUDE_MIN_MAX                                                                                                                                                                                                                                     | MINUTES | Y NUMBER    | 2,0     |
| Retrofitted from column LONGITUDE_MIN_MAX of table SPR96_SUITABLE_LOT_RESULT                                                                                                                                                                          |         |             |         |
| LATITUDE_DEGREES                                                                                                                                                                                                                                      |         | Y NUMBER    | 2,0     |
| The latitude (degrees portion) for the Seed or Cutting Lot.                                                                                                                                                                                           |         |             |         |
| LATITUDE_MINUTES                                                                                                                                                                                                                                      |         | Y NUMBER    | 2,0     |
| The latitude (minutes portion) for the Seed or Cutting Lot.                                                                                                                                                                                           |         |             |         |
| LATITUDE_DEG_MIN                                                                                                                                                                                                                                      |         | Y NUMBER    | 2,0     |
| The minimum latitude (degrees portion) for the Seed or Cutting Lot.                                                                                                                                                                                   |         |             |         |
| LATITUDE_MIN_MIN                                                                                                                                                                                                                                      |         | Y NUMBER    | 2,0     |
| The minimum latitude (minutes portion) for the Seed or Cutting Lot.                                                                                                                                                                                   |         |             |         |
| LATITUDE_DEG_MAX                                                                                                                                                                                                                                      |         | Y NUMBER    | 2,0     |
| The maximum latitude (degrees portion) for the Seed or Cutting Lot.                                                                                                                                                                                   |         |             |         |
| LATITUDE_MIN_MAX                                                                                                                                                                                                                                      |         | Y NUMBER    | 2,0     |
| The maximum latitude (minutes portion) for the Seed or Cutting Lot.                                                                                                                                                                                   |         |             |         |
| BGC_ZONE_CD                                                                                                                                                                                                                                           |         | Y VARCHAR2  | 4       |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |         |             |         |
| BGC_SUBZONE_CD                                                                                                                                                                                                                                        |         | Y VARCHAR2  | 3       |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |         |             |         |
| VARIANT                                                                                                                                                                                                                                               |         | Y VARCHAR2  | 1       |
| A division of biogeoclimatic information. A unit of site classification defined as all land areas capable of producing vegetation belonging to the same plant association at climax, within a subzone or variant. A division of the site association. |         |             |         |
| SEED_COAST_AREA_CODE                                                                                                                                                                                                                                  |         | Y VARCHAR2  | 3       |
| A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.                                                                                                                                                 |         |             |         |
| ORCHARD_ID                                                                                                                                                                                                                                            |         | Y VARCHAR2  | 3       |
| A unique identifier which is assigned to a location where cuttings or A class seed is produced.                                                                                                                                                       |         |             |         |
| COLLECTION_LOCN_DESC                                                                                                                                                                                                                                  |         | Y VARCHAR2  | 60      |
| Describes the Location from which the Cone was collected.                                                                                                                                                                                             |         |             |         |
| SEED_PLAN_ZONE_CODE                                                                                                                                                                                                                                   |         | Y VARCHAR2  | 3       |
| A code which represents an approved geograhic area for which seed or cutting lots may be used.                                                                                                                                                        |         |             |         |
| SPZ_DISPLAY                                                                                                                                                                                                                                           |         | Y VARCHAR2  | 4       |
| Seed Planning Zone display field.                                                                                                                                                                                                                     |         |             |         |
| SPZ_LIST                                                                                                                                                                                                                                              |         | Y VARCHAR2  | 40      |
| List of Seed Planning Zones for the lot.                                                                                                                                                                                                              |         |             |         |
| AVAIL_QTY                                                                                                                                                                                                                                             |         | Y NUMBER    | 10      |
| Total available quantity, reserved and surplus.                                                                                                                                                                                                       |         |             |         |
| AVAIL_SEEDLINGS                                                                                                                                                                                                                                       |         | Y NUMBER    | 9,1     |
| Total available Seedlings, reserved and surplus.                                                                                                                                                                                                      |         |             |         |
| LIMITS_APPLIED_IND                                                                                                                                                                                                                                    |         | Y VARCHAR2  | 1       |
| An indication as to whether limits were applied to the Transfer Guideline exceptions.                                                                                                                                                                 |         |             |         |
| EXCEPTION_IND                                                                                                                                                                                                                                         |         | Y VARCHAR2  | 1       |
| An indicator that an exception has been generated.                                                                                                                                                                                                    |         |             |         |

| <b>Entity Name:</b> SPR96_SUITABLE_LOT_RESULT (cont'd)                                                        |           |            | <i>Short Name:</i> | SPR96_1 |
|---------------------------------------------------------------------------------------------------------------|-----------|------------|--------------------|---------|
| TE1                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE2                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE3                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE4                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE5                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE6                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE7                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE8                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE9                                                                                                           |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| TE10                                                                                                          |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.   |           |            |                    |         |
| WARNING_IND                                                                                                   |           | Y VARCHAR2 |                    | 1       |
| An indicator that a warning has been generated.                                                               |           |            |                    |         |
| WARN1                                                                                                         |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception warning number. This is used as a lookup against the Transfer_Exception_Table. |           |            |                    |         |
| WARN2                                                                                                         |           | Y NUMBER   |                    | 3       |
| A Transfer Guideline Exception warning number. This is used as a lookup against the Transfer_Exception_Table. |           |            |                    |         |
| LIMIT_NORTH_LATDEG                                                                                            | LATITUDE  | Y NUMBER   |                    | 2,0     |
| Transfer limit north latitude, degrees.                                                                       |           |            |                    |         |
| LIMIT_NORTH_LATMNT                                                                                            | MINUTES   | Y NUMBER   |                    | 2,0     |
| Transfer limit north latitude, minutes.                                                                       |           |            |                    |         |
| LIMIT_SOUTH_LATDEG                                                                                            | LATITUDE  | Y NUMBER   |                    | 2,0     |
| Transfer limit south latitude, degrees.                                                                       |           |            |                    |         |
| LIMIT_SOUTH_LATMNT                                                                                            | MINUTES   | Y NUMBER   |                    | 2,0     |
| Transfer limit south latitude, minutes.                                                                       |           |            |                    |         |
| LIMIT_EAST_LONGDEG                                                                                            | LONGITUDE | Y NUMBER   |                    | 3,0     |
| Transfer limit east longitude, degrees.                                                                       |           |            |                    |         |
| LIMIT_EAST_LONGMNT                                                                                            | MINUTES   | Y NUMBER   |                    | 2,0     |
| Transfer limit east longitude, minutes.                                                                       |           |            |                    |         |
| LIMIT_WEST_LONGDEG                                                                                            | LONGITUDE | Y NUMBER   |                    | 3,0     |

| <b>Entity Name:</b> SPR96_SUITABLE_LOT_RESULT (cont'd)                                                                                                                                            |         | Short Name: | SPR96_1 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|---------|
| Transfer limit west longitude, degrees.                                                                                                                                                           |         |             |         |
| LIMIT_WEST_LONGMNT                                                                                                                                                                                | MINUTES | Y NUMBER    | 2,0     |
| Transfer limit west longitude, minutes.                                                                                                                                                           |         |             |         |
| LIMIT_UP_ELEVATN                                                                                                                                                                                  |         | Y NUMBER    | 5       |
| Transfer Limit up elevation.                                                                                                                                                                      |         |             |         |
| LIMIT_DOWN_ELEVATN                                                                                                                                                                                |         | Y NUMBER    | 5       |
| Transfer Limit down elevation.                                                                                                                                                                    |         |             |         |
| TRANSFER_RCMNDTN_DESC                                                                                                                                                                             |         | Y VARCHAR2  | 240     |
| Transfer Guideline recommendation.                                                                                                                                                                |         |             |         |
| SEEDS_PER_CAVITY                                                                                                                                                                                  |         | Y NUMBER    | 3,1     |
| The number of seeds per cavity within a container that should be sown in order to produce a seedling.                                                                                             |         |             |         |
| SWNG_CRCTN_FACTOR                                                                                                                                                                                 |         | Y NUMBER    | 3,2     |
| An oversow factor which is used to calculate the number of cavities required to produce a given number of seedlings to account for nonproductive cavities.                                        |         |             |         |
| SEEDS_PER_BLOCK                                                                                                                                                                                   |         | Y NUMBER    | 5       |
| The number of seeds per block based on the container type and seeds per cavity, that are required in order to produce a given amount of seedlings based on the sowing rule to allow for spillage. |         |             |         |
| CAVITIES_PER_BLOCK                                                                                                                                                                                |         | Y NUMBER    | 5       |
| The number of cavities per block based on the container type.                                                                                                                                     |         |             |         |
| VIALE_SEEDS_METRE                                                                                                                                                                                 |         | Y NUMBER    | 5       |
| The number of viable seeds sown per metre of seed bed required to produce a given number of seedlings.                                                                                            |         |             |         |
| TREES_PER_METRE                                                                                                                                                                                   |         | Y NUMBER    | 5       |
| The number of seedlings produced per metre of seed bed.                                                                                                                                           |         |             |         |
| SEEDLOT_TEST_CODE                                                                                                                                                                                 |         | Y VARCHAR2  | 3       |
| A code describing various Seedlot Tests.                                                                                                                                                          |         |             |         |
| SOWING_METHOD_CODE                                                                                                                                                                                |         | Y VARCHAR2  | 1       |
| A code describing various Sowing Methods.                                                                                                                                                         |         |             |         |
| PREFERRED_PREP_RNK                                                                                                                                                                                |         | Y VARCHAR2  | 1       |
| Germination Test Ranking.                                                                                                                                                                         |         |             |         |
| TREES_PER_GRAM                                                                                                                                                                                    |         | Y NUMBER    | 11,4    |
| Trees per gram.                                                                                                                                                                                   |         |             |         |
| * = Attributes in primary unique identifier.                                                                                                                                                      |         |             |         |

|                                             |                         |                     |                            |                         |
|---------------------------------------------|-------------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SPR_MGMT_UNIT_TYPE_CODE |                         |                     | <b>Short Name:</b>         | SMUTC                   |
| <b>Plural:</b>                              | SPR_MGMT_UNIT_TYPE_CODE |                     |                            |                         |
| <b>Init. Volume:</b>                        | 50                      | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> 250 |
|                                             |                         |                     | <b>Annual Growth Rate:</b> |                         |

Description:

A list of valid Management Unit Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SPR_MGMT_UNIT_TYPE_CODE                    |               | N          | VARCHAR2      | 1             |
| A code describing various Management Units.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more ORG MGMT UNIT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                            |         |   |
|----------------------------|---------|---|
| SPR_MGMT_UNIT_TYPE_CODE_PK | Primary | Y |
| SPR_MGMT_UNIT_TYPE_CODE    |         |   |

|                                             |                         |                     |                            |                         |
|---------------------------------------------|-------------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> SPR_REQUEST_STATUS_CODE |                         |                     | <i>Short Name:</i>         | SRSC                    |
| <i>Plural:</i>                              | SPR_REQUEST_STATUS_CODE |                     |                            |                         |
| <i>Init. Volume:</i>                        | 50                      | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> 250 |
|                                             |                         |                     | <i>Annual Growth Rate:</i> |                         |

Description:

A list of valid SPAR based Request Status Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SPR_REQUEST_STATUS_CODE                    |               | N          | VARCHAR2      | 3             |
| A code describing various Request Statuses.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more CNS EXTRACTION LOG

MAY BE contains a code for one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                            |         |   |
|----------------------------|---------|---|
| SPR_REQUEST_STATUS_CODE_PK | Primary | Y |
| SPR_REQUEST_STATUS_CODE    |         |   |

|                                     |                 |              |                     |                  |
|-------------------------------------|-----------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> SPR_TENURE_CODE |                 |              | Short Name:         | STC2             |
| Plural:                             | SPR_TENURE_CODE |              |                     |                  |
| Init. Volume:                       | 50              | Avg. Volume: | 5                   | Max. Volume: 250 |
|                                     |                 |              | Annual Growth Rate: |                  |

Description:

A list of valid Tenure Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * SPR_TENURE_CODE                            |               | N          | VARCHAR2      | 3             |
| A code describing various Tenure Codes.      |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more SPAR REQUEST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| SPR_TENURE_CODE_PK | Primary | Y |
| SPR_TENURE_CODE    |         |   |

|                                      |                  |              |                     |
|--------------------------------------|------------------|--------------|---------------------|
| <b>Entity Name:</b> SPU_ORCHARD_LINK |                  | Short Name:  | SOX                 |
| Plural:                              | SPU_ORCHARD_LINK |              |                     |
| Init. Volume:                        | Avg. Volume:     | Max. Volume: | Annual Growth Rate: |

**Description:**  
Maintains a list of Seed planning units and what Orchard they are related to.

**Attributes:**

| <u>Name</u>                                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| REVISION_COUNT                                                                               |               | Y          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                 |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:

- \* MUST BE cross referenced for one and only one ORCHARD
- \* MUST BE cross referenced for one and only one SEED PLAN UNIT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                     |         |   |
|---------------------|---------|---|
| SPU_ORCHARD_XREF_PK | Primary | Y |
|---------------------|---------|---|

MUST BE cross referenced for one and only one ORCHARD

MUST BE cross referenced for one and only one SEED PLAN UNIT

|                                       |                   |                     |    |                            |     |
|---------------------------------------|-------------------|---------------------|----|----------------------------|-----|
| <b>Entity Name:</b> STANDARD_ACTIVITY |                   |                     |    | <b>Short Name:</b>         | SA1 |
| <b>Plural:</b>                        | STANDARD_ACTIVITY |                     |    |                            |     |
| <b>Init. Volume:</b>                  | 20                | <b>Avg. Volume:</b> | 10 | <b>Max. Volume:</b>        | 100 |
|                                       |                   |                     |    | <b>Annual Growth Rate:</b> |     |

**Description:**  
A workstep performed to deliver a service.

**Attributes:**

| <u>Name</u>                                                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STANDARD_ACTIVITY_ID                                                                                   |               | N          | VARCHAR2      | 3             |
| An identifier for a workstep performed to deliver a service.                                             |               |            |               |               |
| ACTIVITY_TYPE_CODE                                                                                       |               | N          | VARCHAR2      | 3             |
| A code which identifies the type of workstep performed to deliver a service.                             |               |            |               |               |
| SIGNIFICNT_STS_IND                                                                                       |               | Y          | VARCHAR2      | 1             |
| An indicator used to define whether a standard activity should be reported up to the SPAR system or not. |               |            |               |               |
| REVISION_COUNT                                                                                           | REVISION_CNT  | Y          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.             |               |            |               |               |
| ACTIVITY_DESC                                                                                            |               | Y          | VARCHAR2      | 30            |
| The description for a workstep performed to deliver a service.                                           |               |            |               |               |
| * = Attributes in primary unique identifier.                                                             |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MUST BE is described by one and only one ACTIVITY TYPE CODE  
MAY BE comprises one or more BILLING ITEM ACTIVITY  
MAY BE defines worksteps for one or more REQUEST ITEM ACTIVITY  
MAY BE identified by one or more SHIPMENT  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
STANDARD\_ACTIVITY\_PK      Primary   Y  
STANDARD\_ACTIVITY\_ID

**Entity Name:** STANDARD\_SERVICE**Short Name:** SS1**Plural:** STANDARD\_SERVICE**Init. Volume:** 100**Avg. Volume:** 10**Max. Volume:** 250**Annual Growth Rate:****Description:**

A table which represents the valid services that can be requested for a given request type.

**Attributes:**

| <u>Name</u>                                                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REQUEST_TYPE_CODE                                                                                          |               | N          | VARCHAR2      | 3             |
| A code which represents the type of request transaction.                                                     |               |            |               |               |
| * SEED_SERVICE_ID                                                                                            |               | N          | VARCHAR2      | 3             |
| An identifier which represents the type of service which is being requested to be performed.                 |               |            |               |               |
| SEQUENCE_NUMBER                                                                                              |               | N          | NUMBER        | 5,0           |
| An assigned value which is used to order the services which may be requested for an item in a certain order. |               |            |               |               |
| DEFAULT_SERVICE_IND                                                                                          |               | N          | VARCHAR2      | 1             |
| An indicator used to define whether a standard service is the default for a particular request type or not.  |               |            |               |               |
| REQUIRED_SERVICE_IND                                                                                         |               | N          | VARCHAR2      | 1             |
| An indicator used to define whether a standard service is required for a particular type or not.             |               |            |               |               |
| REVISION_COUNT                                                                                               | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                 |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one REQUEST TYPE CODE

MUST BE has services defined by one and only one SEED RELATED SERVICE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

STANDARD\_SERVICE\_PK                      Primary   Y

REQUEST\_TYPE\_CODE

SEED\_SERVICE\_ID

**Entity Name:** STANDARD\_WORKPLAN

Short Name:

SW

Plural: STANDARD\_WORKPLAN

Init. Volume: 50

Avg. Volume: 10

Max. Volume: 100

Annual Growth Rate:

**Description:**

A defined sequence of activities required to deliver a Tree Seed Centre service.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STANDARD_WORKPLAN_SKEY                                                                                                                                                                                              |               | N          | NUMBER        | 10,0          |
| A surrogate key which uniquely identifies a standard workplan.                                                                                                                                                        |               |            |               |               |
| EFFECTIVE_DATE                                                                                                                                                                                                        |               | N          | DATE          |               |
| The date on which the workplan takes effect.                                                                                                                                                                          |               |            |               |               |
| EXPIRY_DATE                                                                                                                                                                                                           |               | N          | DATE          |               |
| The date on which the workplan expires.                                                                                                                                                                               |               |            |               |               |
| REQUEST_TYPE_CODE                                                                                                                                                                                                     |               | N          | VARCHAR2      | 3             |
| A code which represents the type of request transaction.                                                                                                                                                              |               |            |               |               |
| DEFAULT_PLAN_IND                                                                                                                                                                                                      |               | Y          | VARCHAR2      | 1             |
| An indicator used to define whether a standard workplan is the default for a particular request type or not. Defines the default where all other suitability criteria (i.e. Species, Test Type, Nursery) is the same. |               |            |               |               |
| MIN_VOL_CONES                                                                                                                                                                                                         |               | N          | NUMBER        | 6,2           |
| The minimum volume (in hectolitres) of the cones needed for the workplan.                                                                                                                                             |               |            |               |               |
| MAX_VOL_CONES                                                                                                                                                                                                         |               | N          | NUMBER        | 6,2           |
| The maximum volume (in hectolitres) of the cones needed for the workplan.                                                                                                                                             |               |            |               |               |
| MIN_QTY_SEED                                                                                                                                                                                                          |               | N          | NUMBER        | 10,0          |
| The minimum quantity of seed in grams needed for the workplan.                                                                                                                                                        |               |            |               |               |
| MAX_QTY_SEED                                                                                                                                                                                                          |               | N          | NUMBER        | 10,0          |
| The maximum quantity of seed in grams allowed for the workplan.                                                                                                                                                       |               |            |               |               |
| SCHED_LEADTIME_DAYS                                                                                                                                                                                                   |               | N          | NUMBER        | 5,0           |
| The lead time (in days) scheduled for the workplan.                                                                                                                                                                   |               |            |               |               |
| STANDARD_WORKPLAN_NAME                                                                                                                                                                                                |               | Y          | VARCHAR2      | 20            |
| An identifier which represents the workplan which is being requested to be performed.                                                                                                                                 |               |            |               |               |
| STANDARD_WORKPLAN_DESC                                                                                                                                                                                                |               | Y          | VARCHAR2      | 50            |
| The description for a standard workplan.                                                                                                                                                                              |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE is extracted into one or more CNS EXTRACTION LOG

MAY BE is suitable for one or more REQUEST ITEM

MUST BE is described by one and only one REQUEST TYPE CODE

MAY BE is used for one or more WORKPLAN\_NURSERY

MAY BE is defined for one or more WORKPLAN\_SERVICE

MAY BE is used for one or more WORKPLAN\_SPECIES

MAY BE is used for one or more WORKPLAN\_TEST\_TYPE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

STANDARD\_WORKPLAN\_PK Primary Y

STANDARD\_WORKPLAN\_SKEY

|                      |                      |                     |                            |                     |      |
|----------------------|----------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | STATEMENT_CYCLE_CODE |                     |                            | <i>Short Name:</i>  | SCC1 |
| <i>Plural:</i>       | STATEMENT_CYCLE_CODE |                     |                            |                     |      |
| <i>Init. Volume:</i> | 50                   | <i>Avg. Volume:</i> | 5                          | <i>Max. Volume:</i> | 250  |
|                      |                      |                     | <i>Annual Growth Rate:</i> |                     |      |

**Description:**  
A list of valid Statement Cycle Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * STATEMENT_CYCLE_CODE                       |               | N          | VARCHAR2      | 1             |
| A code describing various Statement Cycles.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more CLNT\_RCVBL\_ACCT  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
STATEMENT\_CYCLE\_CODE\_PK      Primary   Y  
STATEMENT\_CYCLE\_CODE

**Entity Name:** SUPERIOR PROVENANCE

Short Name:

SUPR

Plural: SUPERIOR PROVENANCE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:****Attributes:**

| <u>Name</u>                                                   | <u>Domain</u>       | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------|---------------------|------------|---------------|---------------|
| * PROVENANCE ID                                               |                     | N          | NUMBER        | 5             |
| Superior provenance surrogate key.                            |                     |            |               |               |
| PROVENANCE DESCRIPTION                                        |                     | N          | VARCHAR2      | 120           |
| Description of superior provenance                            |                     |            |               |               |
| COLLECTION ELEVATION MIN                                      |                     | N          | NUMBER        | 5,0           |
| The minimum elevation criteria for the collection in meters . |                     |            |               |               |
| COLLECTION ELEVATION MAX                                      |                     | N          | NUMBER        | 5,0           |
| The maximum elevation criteria for the collection in meters . |                     |            |               |               |
| COLLECTION LATITUDE DEGREES                                   |                     | Y          | NUMBER        | 2             |
| COLLECTION LATITUDE MINUTES                                   |                     | Y          | NUMBER        | 2             |
| COLLECTION LONGITUDE DEGREES                                  |                     | Y          | NUMBER        | 3             |
| COLLECTION LONGITUDE MINUTES                                  |                     | Y          | NUMBER        | 2             |
| ADDITIONAL CRITERIA                                           |                     | Y          | VARCHAR2      | 500           |
| GENETIC WORTH RATING                                          |                     | Y          | NUMBER        | 2             |
| LIMIT UP ELEVATION                                            |                     | Y          | NUMBER        | 5             |
| LIMIT DOWN ELEVATION                                          |                     | Y          | NUMBER        | 5             |
| LIMIT ELEVATION MIN                                           |                     | Y          | NUMBER        | 5             |
| LIMIT ELEVATION MAX                                           |                     | Y          | NUMBER        | 5             |
| LIMIT LATITUDE MIN DEGREES                                    |                     | Y          | NUMBER        | 2             |
| LIMIT LATITUDE MIN MINUTES                                    |                     | Y          | NUMBER        | 2             |
| LIMIT LATITUDE MAX DEGREES                                    |                     | Y          | NUMBER        | 2             |
| LIMIT LATITUDE MAX MINUTES                                    |                     | Y          | NUMBER        | 2             |
| EFFECTIVE DATE                                                | EFFECTIVE_TIMESTAMP | N          | DATE          |               |
| EXPIRY DATE                                                   | EXPIRY_TIMESTAMP    | N          | DATE          |               |
| UPDATE TIMESTAMP                                              | AUDIT_TIMESTAMP     | N          | DATE          |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MAY BE is described by one and only one GENETIC WORTH CODE

MAY BE defines superior provenance for natural stand one or more SEEDLOT

MAY BE boundary defined by one and only one SUPERIOR PROVENANCE GEOMETRY

MAY BE allowed in one or more SUPERIOR PROVENANCE PLAN ZONE

MAY BE collection area described by one or more VEG LOT

MAY BE collection area described by one or more VEG\_LOT\_AUDIT

MUST BE from one and only one VEGETATION CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SUPR

Primary Y

PROVENANCE ID

|                                                  |                              |                     |                            |
|--------------------------------------------------|------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> SUPERIOR PROVENANCE GEOMETRY |                              | <b>Short Name:</b>  | SPGEOM                     |
| <b>Plural:</b>                                   | SUPERIOR PROVENANCE GEOMETRY |                     |                            |
| <b>Init. Volume:</b>                             | <b>Avg. Volume:</b>          | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Defines zones of Superior Provenance within the Province.  
Note: boundaries have not been formally defined as of creation of this entity (2006-08-06). It is being created in anticipation of formal boundaries.

Attributes:

| <u>Name</u>                                                                                          | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| GEOMETRY                                                                                             |                 | N          | IMAGE         |               |
| Spatial information describing the Provenance's polygon within the province.                         |                 |            |               |               |
| ENTRY USERID                                                                                         | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.        |                 |            |               |               |
| ENTRY TIMESTAMP                                                                                      | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                 |            |               |               |
| UPDATE USERID                                                                                        | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.        |                 |            |               |               |
| UPDATE TIMESTAMP                                                                                     | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record. |                 |            |               |               |
| REVISION COUNT                                                                                       | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.              |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                         |                 |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE feature type described by one and only one FEATURE CLASS

\* MUST BE defines boundary of one and only one SUPERIOR PROVENANCE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                  |         |   |
|------------------------------------------------------------------|---------|---|
| SPGEOM                                                           | Primary | Y |
| MUST BE defines boundary of one and only one SUPERIOR PROVENANCE |         |   |

|                      |                               |                     |                            |                    |      |
|----------------------|-------------------------------|---------------------|----------------------------|--------------------|------|
| <b>Entity Name:</b>  | SUPERIOR PROVENANCE PLAN ZONE |                     |                            | <b>Short Name:</b> | SPPZ |
| <b>Plural:</b>       | SUPERIOR PROVENANCE PLAN ZONE |                     |                            |                    |      |
| <b>Init. Volume:</b> | <b>Avg. Volume:</b>           | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |                    |      |

Description:

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE is described by one and only one SEED PLAN ZONE CODE
- \* MUST BE contains zones for one and only one SUPERIOR PROVENANCE
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                 |         |   |
|-----------------------------------------------------------------|---------|---|
| SPPZ                                                            | Primary | Y |
| MUST BE is described by one and only one SEED PLAN ZONE CODE    |         |   |
| MUST BE contains zones for one and only one SUPERIOR PROVENANCE |         |   |

|                                    |              |              |                     |                  |
|------------------------------------|--------------|--------------|---------------------|------------------|
| <b>Entity Name:</b> TAX RATE TABLE |              |              | Short Name:         | TRT              |
| Plural:                            | TAX_RATE_TBL |              |                     |                  |
| Init. Volume:                      | 2            | Avg. Volume: | 0                   | Max. Volume: 100 |
|                                    |              |              | Annual Growth Rate: |                  |

*Description:*

Identifies current and historical rates of taxation used for calculatingGST, PST, etc.

*Attributes:*

| <u>Name</u>                                                      | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TAX_RATE_CD                                                    |               | N          | VARCHAR2      | 3             |
| The type of taxation the rates are applicable for.               |               |            |               |               |
| * EFFECTIVE_DATE                                                 |               | N          | DATE          |               |
| The range of time the tax rate is applicable for the given code. |               |            |               |               |
| * EXPIRY_DATE                                                    |               | N          | DATE          |               |
| The range of time the tax rate is applicable for the given code. |               |            |               |               |
| TAX_RATE_PCT                                                     |               | N          | NUMBER        | 5,2           |
| The rate of taxation for the given code in the given timeframe.  |               |            |               |               |
| * = Attributes in primary unique identifier.                     |               |            |               |               |

*Unique Identifiers:*

|                 |         |   |
|-----------------|---------|---|
| TAX_RATE_TBL_PK | Primary | Y |
| TAX_RATE_CD     |         |   |
| EFFECTIVE_DATE  |         |   |
| EXPIRY_DATE     |         |   |

|                                           |                       |                     |                            |
|-------------------------------------------|-----------------------|---------------------|----------------------------|
| <b>Entity Name:</b> TESTED PT AREA OF USE |                       | <b>Short Name:</b>  | TPAOU                      |
| <b>Plural:</b>                            | TESTED PT AREA OF USE |                     |                            |
| <b>Init. Volume:</b>                      | <b>Avg. Volume:</b>   | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Defines the region for a Tested Parent Tree Area of Use.

Attributes:

| <u>Name</u>                                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TESTED PT AREA OF USE ID                                                      |               | N          | NUMBER        | 10            |
| Sequential number used to uniquely identify the Tested Parent Tree Area of Use. |               |            |               |               |
| * = Attributes in primary unique identifier.                                    |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MUST BE defined for one and only one SEED PLAN UNIT
- MAY BE planting elev/lat range defined by one or more TESTED PT AREA OF USE SPU
- MAY BE planting zones defined by one or more TESTED PT AREA OF USE SPZ
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| TPTAOU PK                | Primary | Y |
| TESTED PT AREA OF USE ID |         |   |

|                                               |                           |                     |                              |
|-----------------------------------------------|---------------------------|---------------------|------------------------------|
| <b>Entity Name:</b> TESTED PT AREA OF USE SPU |                           |                     | <b>Short Name:</b> TPTAOUSPU |
| <b>Plural:</b>                                | TESTED PT AREA OF USE SPU |                     |                              |
| <b>Init. Volume:</b>                          | 10                        | <b>Avg. Volume:</b> | 5                            |
|                                               |                           | <b>Max. Volume:</b> | 200                          |
|                                               |                           |                     | <b>Annual Growth Rate:</b>   |

**Description:**

Defines Areas of Use (Seed Plan Units) for Seedlots originating from Tested Parent Trees and is used to derive the elevation and latitude range where Seedlots may be planted. This entity is based on the following documents:

Tested Parent Tree - Areas of Use by Seed Planning Unit / INTERIOR  
Version 1.1  
Effective Date: April 1, 2005

and

Tested Parent Tree - Areas of Use by Seed Planning Unit / Coastal  
Version 1.1  
Effective Date: April 1, 2005

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

- Relationships:**
- Each Occurrence Of This Entity:
- \* MUST BE includes one and only one SEED PLAN UNIT
  - \* MUST BE defines planting elev/lat range for one and only one TESTED PT AREA OF USE
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

|             |         |   |
|-------------|---------|---|
| TPAOUSPU PK | Primary | Y |
|-------------|---------|---|

MUST BE includes one and only one SEED PLAN UNIT

MUST BE defines planting elev/lat range for one and only one TESTED PT AREA OF USE

**Notes:**

2005-10-24 R.A.Robb 02\_04\_00

- First version of "TESTED PT AREA OF USE" entities was reworked to better handle multiple SPU's per Area of Use.

|                                               |  |                        |  |                              |  |
|-----------------------------------------------|--|------------------------|--|------------------------------|--|
| <b>Entity Name:</b> TESTED PT AREA OF USE SPZ |  |                        |  | <b>Short Name:</b> TPTAOUSPZ |  |
| <b>Plural:</b> TESTED PT AREA OF USE SPZ      |  |                        |  |                              |  |
| <b>Init. Volume:</b> 200                      |  | <b>Avg. Volume:</b> 40 |  | <b>Max. Volume:</b> 400      |  |
|                                               |  |                        |  | <b>Annual Growth Rate:</b>   |  |

Description:

Defines Areas of Use (Seed Plan Zones) for Seedlots originating from Tested Parent Trees. This entity is based on the following documents:

Tested Parent Tree - Areas of Use by Seed Planning Unit / INTERIOR  
Version 1.1  
Effective Date: April 1, 2005

and

Tested Parent Tree - Areas of Use by Seed Planning Unit / Coastal  
Version 1.1  
Effective Date: April 1, 2005

Attributes:

| <u>Name</u>                                                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| PRIMARY IND                                                                                                             |               | N          | VARCHAR2      | 1             |
| Denotes whether or not the Area of Use (Seed Planning Zone) is the Primary Intended Area of Use for the Seed Plan Unit. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                            |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE area of use defined by one and only one SEED PLAN ZONE CODE
- \* MUST BE defines planting zones for one and only one TESTED PT AREA OF USE
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                           |         |   |
|---------------------------------------------------------------------------|---------|---|
| TPAOUSPZ PK                                                               | Primary | Y |
| MUST BE area of use defined by one and only one SEED PLAN ZONE CODE       |         |   |
| MUST BE defines planting zones for one and only one TESTED PT AREA OF USE |         |   |

Notes:

- 2005-10-24 R.A.Robb 02\_04\_00
- First version of "TESTED PT AREA OF USE" entities was reworked to better handle multiple SPU's per Area of Use.

|                      |                 |                            |      |
|----------------------|-----------------|----------------------------|------|
| <b>Entity Name:</b>  | TEST_CLASS_CODE | <b>Short Name:</b>         | TCC1 |
| <b>Plural:</b>       | TEST_CLASS_CODE |                            |      |
| <b>Init. Volume:</b> | 50              | <b>Avg. Volume:</b>        | 5    |
|                      |                 | <b>Max. Volume:</b>        | 250  |
|                      |                 | <b>Annual Growth Rate:</b> |      |

**Description:**  
A list of valid Test Class Codes.

| <b>Attributes:</b>                           |               |                          |               |
|----------------------------------------------|---------------|--------------------------|---------------|
| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
| * TEST_CLASS_CODE                            |               | N VARCHAR2               | 3             |
| A code describing various Test Classes.      |               |                          |               |
| DESCRIPTION                                  | DESCRIPTION   | N VARCHAR2               | 120           |
| A description for the affiliated code.       |               |                          |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N DATE                   |               |
| The effective date the code is in effect.    |               |                          |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N DATE                   |               |
| The date the code expires on.                |               |                          |               |
| UPDATE_TIMESTAMP                             |               | N DATE                   |               |
| The date and time of the last update.        |               |                          |               |
| * = Attributes in primary unique identifier. |               |                          |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more SEEDLOT TEST  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
TEST\_CLASS\_CODE\_PK                      Primary    Y  
TEST\_CLASS\_CODE

**Entity Name:** TEST\_GRAM**Short Name:** TG**Plural:** TEST\_GRAM**Init. Volume:** 100**Avg. Volume:** 20**Max. Volume:** 500**Annual Growth Rate:****Description:**

Identifies the amount of seed to be committed as part of a Request for Seed based on the types of tests being performed.

**Attributes:**

| <u>Name</u>                                                                                  | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * SEEDLOT_TEST_CODE                                                                          |                 | N          | VARCHAR2      | 3             |
| A code which represents the type of test that was performed against a seed lot.              |                 |            |               |               |
| * VEGETATION_CODE                                                                            | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                          |                 |            |               |               |
| GRAMS_REQUIRED                                                                               |                 | N          | NUMBER        | 10,0          |
| The amount of grams required for the type of test being performed.                           |                 |            |               |               |
| REVISION_COUNT                                                                               | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |                 |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one SEEDLOT TEST CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

TEST\_GRAM\_PK                      Primary   Y

SEEDLOT\_TEST\_CODE

VEGETATION\_CODE

**Entity Name:** TRANSFER\_ACROSS\_ZONE**Short Name:**

TAZ

**Plural:** TRANSFER\_ACROSS\_ZONE**Init. Volume:** 10**Avg. Volume:** 5**Max. Volume:** 30**Annual Growth Rate:****Description:**

A table used to define the allowable seed lot transfers across Seed Planning Zones and the limits associated with the transfer.

**Attributes:**

| <u>Name</u>                                                                                  | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * TRANSFER_ACROSS_ZONE_SKEY                                                                  |                 | N          | NUMBER        | 10,0          |
| A surrogate key to make each record uniquely defined.                                        |                 |            |               |               |
| VEGETATION_CODE                                                                              | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                          |                 |            |               |               |
| SITE_PLAN_ZONE_CODE                                                                          |                 | N          | VARCHAR2      | 3             |
| A code which represents an approved geographic area for which the planting site is located.  |                 |            |               |               |
| SEED_PLAN_ZONE_CODE                                                                          |                 | Y          | VARCHAR2      | 3             |
| A code which represents an approved geographic area for which seed lots may be used.         |                 |            |               |               |
| LIMIT_NORTH_LATDEG                                                                           | LATITUDE        | N          | NUMBER        | 2,0           |
| The recommended maximum northern transfer (latitude degrees) from source.                    |                 |            |               |               |
| LIMIT_NORTH_LATMNT                                                                           | MINUTES         | N          | NUMBER        | 2,0           |
| The recommended maximum northern transfer (latitude minutes) from source.                    |                 |            |               |               |
| LIMIT_SOUTH_LATDEG                                                                           | LATITUDE        | N          | NUMBER        | 2,0           |
| The recommended maximum southern transfer (latitude degrees) from source.                    |                 |            |               |               |
| LIMIT_SOUTH_LATMNT                                                                           | MINUTES         | N          | NUMBER        | 2,0           |
| The recommended maximum southern transfer (latitude minutes) from source.                    |                 |            |               |               |
| LIMIT_EAST_LONGDEG                                                                           | LONGITUDE       | N          | NUMBER        | 3,0           |
| The recommended maximum eastern transfer (longitude degrees) from source.                    |                 |            |               |               |
| LIMIT_EAST_LONGMNT                                                                           | MINUTES         | N          | NUMBER        | 2,0           |
| The recommended maximum eastern transfer (longitude minutes) from source.                    |                 |            |               |               |
| LIMIT_WEST_LONGDEG                                                                           | LONGITUDE       | N          | NUMBER        | 3,0           |
| The recommended maximum western transfer (longitude degrees) from source.                    |                 |            |               |               |
| LIMIT_WEST_LONGMNT                                                                           | MINUTES         | N          | NUMBER        | 2,0           |
| The recommended maximum western transfer (longitude minutes) from source.                    |                 |            |               |               |
| LIMIT_UP_ELEVATN                                                                             |                 | N          | NUMBER        | 5,0           |
| The recommended maximum upwards transfer (elevation) from source in metres.                  |                 |            |               |               |
| LIMIT_DOWN_ELEVATN                                                                           |                 | N          | NUMBER        | 5,0           |
| The recommended maximum downward transfer (elevation) from source in metres.                 |                 |            |               |               |
| Retrofitted from column LIMIT_DOWN_ELEVATN of table XFER_ACROSS_ZN                           |                 |            |               |               |
| REQD_LOT_LAT_MIN                                                                             | LATITUDE        | N          | NUMBER        | 2,0           |
| The required minimum latitude for the lot in degrees.                                        |                 |            |               |               |
| REQD_LOT_LAT_MAX                                                                             | LATITUDE        | N          | NUMBER        | 2,0           |
| The required maximum latitude for the lot in degrees.                                        |                 |            |               |               |
| REVISION_COUNT                                                                               | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |                 |            |               |               |
| TRANSFER_RCMNDTN_DESC                                                                        |                 | Y          | VARCHAR2      | 60            |
| The recommendation that is associated with a particular transfer guideline.                  |                 |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:****Each Occurrence Of This Entity:**

MAY BE is described by a second code by one and only one SEED PLAN ZONE CODE

|                     |                               |             |     |
|---------------------|-------------------------------|-------------|-----|
| <b>Entity Name:</b> | TRANSFER_ACROSS_ZONE (cont'd) | Short Name: | TAZ |
|---------------------|-------------------------------|-------------|-----|

MUST BE is described by one and only one SEED PLAN ZONE CODE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                           |         |   |
|---------------------------|---------|---|
| I1\$_TRANSFER_ACROSS_ZONE | Primary | N |
| VEGETATION_CODE           |         |   |
| SITE_PLAN_ZONE_CODE       |         |   |
| SEED_PLAN_ZONE_CODE       |         |   |
| I2\$_TRANSFER_ACROSS_ZONE | Primary | N |
| VEGETATION_CODE           |         |   |
| SEED_PLAN_ZONE_CODE       |         |   |
| SITE_PLAN_ZONE_CODE       |         |   |
| TRANSFER_ACROSS_ZONE_PK   | Primary | Y |
| TRANSFER_ACROSS_ZONE_SKEY |         |   |

|                      |                          |                     |                            |                     |     |
|----------------------|--------------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | TRANSFER_EXCEPTION_TABLE |                     |                            | <i>Short Name:</i>  | TET |
| <i>Plural:</i>       | TRANSFER_EXCEPTION_TABLE |                     |                            |                     |     |
| <i>Init. Volume:</i> | 20                       | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> | 50  |
|                      |                          |                     | <i>Annual Growth Rate:</i> |                     |     |

*Description:*

A table used to define the transfer guideline exception descriptions and reference them by an index.

*Attributes:*

| <u>Name</u>                                            | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------|---------------|------------|---------------|---------------|
| * TRANSFER_EXCEPTION_ID                                |               | N          | NUMBER        | 3             |
| A surrogate key to make each record uniquely defined.  |               |            |               |               |
| DESCRIPTION                                            |               | N          | VARCHAR2      | 120           |
| A description of a transfer guideline exception error. |               |            |               |               |
| * = Attributes in primary unique identifier.           |               |            |               |               |

*Unique Identifiers:*

|                             |         |   |
|-----------------------------|---------|---|
| TRANSFER_EXCEPTION_TABLE_PK | Primary | Y |
| TRANSFER_EXCEPTION_ID       |         |   |

**Entity Name:** TRANSFER\_LIMIT

Short Name:

TL

Plural: TRANSFER\_LIMIT

Init. Volume: 200

Avg. Volume: 50

Max. Volume: 400

Annual Growth Rate:

**Description:**

A table used to define the recommended maximum transfer from source within a Seed Planning Zone.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TRANSFER LIMIT SKEY                                                                                                                                                                                                             |               | N          | NUMBER        | 10,0          |
| A surrogate key to make each record uniquely defined.                                                                                                                                                                             |               |            |               |               |
| SUPERIOR PRVNC IND                                                                                                                                                                                                                |               | Y          | VARCHAR2      | 1             |
| An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N'). If the Genetic Class Code is 'A', the superior provenance indicator is always 'N', otherwise, it can be 'Y' or 'N'. |               |            |               |               |
| SITE MIN LATDEG                                                                                                                                                                                                                   | LATITUDE      | N          | NUMBER        | 2,0           |
| The transfer limit minimum latitude for the planting site for which this guideline applies (in degrees).                                                                                                                          |               |            |               |               |
| SITE MAX LATDEG                                                                                                                                                                                                                   | LATITUDE      | Y          | NUMBER        | 2,0           |
| The transfer limit maximum latitude for the planting site for which this guideline applies (in degrees).                                                                                                                          |               |            |               |               |
| LIMIT NORTH LATDEG                                                                                                                                                                                                                | LATITUDE      | Y          | NUMBER        | 2,0           |
| The recommended maximum northern transfer (latitude degrees) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT NORTH LATMNT                                                                                                                                                                                                                | MINUTES       | Y          | NUMBER        | 2,0           |
| The recommended maximum northern transfer (latitude minutes) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT SOUTH LATDEG                                                                                                                                                                                                                | LATITUDE      | Y          | NUMBER        | 2,0           |
| The recommended maximum southern transfer (latitude degrees) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT SOUTH LATMNT                                                                                                                                                                                                                | MINUTES       | Y          | NUMBER        | 2,0           |
| The recommended maximum southern transfer (latitude minutes) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT EAST LONGDEG                                                                                                                                                                                                                | LONGITUDE     | Y          | NUMBER        | 3,0           |
| The recommended maximum eastern transfer (longitude degrees) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT_EAST_LONGMNT                                                                                                                                                                                                                | MINUTES       | Y          | NUMBER        | 2,0           |
| The recommended maximum eastern transfer (longitude minutes) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT_WEST_LONGDEG                                                                                                                                                                                                                | LONGITUDE     | Y          | NUMBER        | 3,0           |
| The recommended maximum western transfer (longitude degrees) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT_WEST_LONGMNT                                                                                                                                                                                                                | MINUTES       | Y          | NUMBER        | 2,0           |
| The recommended maximum western transfer (longitude minutes) from source.                                                                                                                                                         |               |            |               |               |
| LIMIT_UP_ELEVATN                                                                                                                                                                                                                  |               | Y          | NUMBER        | 5,0           |
| The recommended maximum upwards transfer (elevation) from source in metres.                                                                                                                                                       |               |            |               |               |
| LIMIT_DOWN_ELEVATN                                                                                                                                                                                                                |               | Y          | NUMBER        | 5,0           |
| The recommended maximum downward transfer (elevation) from source in metres.                                                                                                                                                      |               |            |               |               |
| TRANSFER_RCMNDTN_DESC                                                                                                                                                                                                             |               | Y          | VARCHAR2      | 60            |
| The recommendation that is associated with a particular transfer guideline.                                                                                                                                                       |               |            |               |               |
| MAX COLLECTION ELEVATION RANGE                                                                                                                                                                                                    |               | Y          | NUMBER        | 4             |
| Maximum range between lowest and highest elevation of collection area (metres).                                                                                                                                                   |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                    | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                      |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

|                     |                         |             |    |
|---------------------|-------------------------|-------------|----|
| <b>Entity Name:</b> | TRANSFER_LIMIT (cont'd) | Short Name: | TL |
|---------------------|-------------------------|-------------|----|

MUST BE is described by one and only one COAST INTERIOR CODE  
MUST BE is described by one and only one GENETIC CLASS CODE  
MAY BE is described by one and only one SEED PLAN ZONE CODE  
MAY BE is described by one and only one VEGETATION CODE  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                              |         |   |
|--------------------------------------------------------------|---------|---|
| I1\$_TRANSFER_LIMIT                                          | Primary | N |
| MAY BE is described by one and only one VEGETATION CODE      |         |   |
| MUST BE is described by one and only one GENETIC CLASS CODE  |         |   |
| SUPERIOR PRVNC IND                                           |         |   |
| MUST BE is described by one and only one COAST INTERIOR CODE |         |   |
| MAY BE is described by one and only one SEED PLAN ZONE CODE  |         |   |
| SITE MIN LATDEG                                              |         |   |
| TRANSFER_LIMIT_PK                                            | Primary | Y |
| TRANSFER LIMIT SKEY                                          |         |   |

**Entity Name:** TRANSFER\_ORCHARD**Short Name:** TO1**Plural:** TRANSFER\_ORCHARD**Init. Volume:** 10**Avg. Volume:** 5**Max. Volume:** 30**Annual Growth Rate:****Description:**

A table used to apply additional constraints for some orchard seed lots.

Retrofitted from table XFER\_ORCHARD

**Attributes:**

| <u>Name</u>                                                                                                | <u>Domain</u>   | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|---------------|
| * ORCHARD_ID                                                                                               |                 | N VARCHAR2               | 3             |
| A unique identifier which is assigned to a location where cuttings or A class seed is produced.            |                 |                          |               |
| * VEGETATION_CODE                                                                                          | VEGETATION_CODE | N VARCHAR2               | 8             |
| A code which represents a species of tree or brush.                                                        |                 |                          |               |
| SITE_COAST_AREA_CODE                                                                                       |                 | Y VARCHAR2               | 3             |
| A code representing the geographic area for the planting site if it is in the Maritime Seed Planning Zone. |                 |                          |               |
| SITE_MAX_LATDEG                                                                                            | LATITUDE        | N NUMBER                 | 2,0           |
| The transfer limit maximum latitude for the planting site in degrees.                                      |                 |                          |               |
| SEED_COAST_AREA_CODE                                                                                       |                 | Y VARCHAR2               | 3             |
| A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.      |                 |                          |               |
| SEED_PLAN_ZONE_CODE                                                                                        |                 | Y VARCHAR2               | 3             |
| A code which represents an approved geographic area for which seed lots may be used.                       |                 |                          |               |
| REQD_LOT_LAT_MIN                                                                                           | MINUTES         | N NUMBER                 | 2,0           |
| The required minimum latitude for the lot in degrees.                                                      |                 |                          |               |
| REVISION_COUNT                                                                                             | REVISION_CNT    | N NUMBER                 | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.               |                 |                          |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is a guideline restriction for one and only one ORCHARD

MAY BE is described by a second occurrence of one and only one SEED COAST AREA CODE

MAY BE is described by one and only one SEED COAST AREA CODE

MAY BE is described by one and only one SEED PLAN ZONE CODE

MAY BE has required choice of one or more TRANSFER\_ORCHARD\_BEC

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

TRANSFER\_ORCHARD\_PK Primary Y

ORCHARD\_ID

VEGETATION\_CODE

|                                          |                      |                     |                            |                        |
|------------------------------------------|----------------------|---------------------|----------------------------|------------------------|
| <b>Entity Name:</b> TRANSFER_ORCHARD_BEC |                      |                     | <b>Short Name:</b>         | TOB                    |
| <b>Plural:</b>                           | TRANSFER_ORCHARD_BEC |                     |                            |                        |
| <b>Init. Volume:</b>                     | 20                   | <b>Avg. Volume:</b> | 10                         | <b>Max. Volume:</b> 60 |
|                                          |                      |                     | <b>Annual Growth Rate:</b> |                        |

Description:

A table used to define the required BGC units for some 'A' class orchard seed lots. This table is used in conjunction with the Xfer\_Orchard table.

Attributes:

| <u>Name</u>                                                                                     | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * TRANSFER_ORCHARD_BEC_SKEY                                                                     |                 | N          | NUMBER        | 10,0          |
| ORCHARD_ID                                                                                      |                 | N          | VARCHAR2      | 3             |
| A unique identifier which is assigned to a location where cuttings or A class seed is produced. |                 |            |               |               |
| VEGETATION_CODE                                                                                 | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                             |                 |            |               |               |
| BGC_ZONE_CODE                                                                                   |                 | Y          | VARCHAR2      | 4             |
| Defines the Biogeoclimatic Zone for a Transfer Orchard.                                         |                 |            |               |               |
| BGC_SUBZONE_CODE                                                                                |                 | Y          | VARCHAR2      | 3             |
| Defines the Biogeoclimatic Subzone for a Transfer Orchard.                                      |                 |            |               |               |
| VARIANT                                                                                         |                 | Y          | VARCHAR2      | 1             |
| Defines the Biogeoclimatic Variant for a Transfer Orchard.                                      |                 |            |               |               |
| REVISION_COUNT                                                                                  | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.    |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                    |                 |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is valid for one and only one TRANSFER\_ORCHARD

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                           |         |   |
|---------------------------|---------|---|
| I1\$_TRANSFER_ORCHARD_BEC | Primary | N |
| ORCHARD_ID                |         |   |
| VEGETATION_CODE           |         |   |
| BGC_ZONE_CODE             |         |   |
| BGC_SUBZONE_CODE          |         |   |
| VARIANT                   |         |   |
| TRANSFER_ORCHARD_BEC_PK   | Primary | Y |
| TRANSFER_ORCHARD_BEC_SKEY |         |   |

|                      |                      |                     |                            |                     |     |
|----------------------|----------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | TRANSFER_RESTRICTION |                     |                            | <b>Short Name:</b>  | TR  |
| <b>Plural:</b>       | TRANSFER_RESTRICTION |                     |                            |                     |     |
| <b>Init. Volume:</b> | 50                   | <b>Avg. Volume:</b> | 10                         | <b>Max. Volume:</b> | 100 |
|                      |                      |                     | <b>Annual Growth Rate:</b> |                     |     |

Description:

A table used to apply additional restrictions on seed lot movement from Queen Charlotte Islands and/or Vancouver Island to mainland or vice versa. Some movements should be avoided for some species unless made within the same BGC variant.

Attributes:

| <u>Name</u>                                                                                                | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * VEGETATION_CODE                                                                                          | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                        |                 |            |               |               |
| * SEED_COAST_AREA_CODE                                                                                     |                 | N          | VARCHAR2      | 3             |
| A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.      |                 |            |               |               |
| * SITE_COAST_AREA_CODE                                                                                     |                 | N          | VARCHAR2      | 3             |
| A code representing the geographic area for the planting site if it is in the Maritime Seed Planning Zone. |                 |            |               |               |
| REVISION_COUNT                                                                                             | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.               |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                               |                 |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is described a second occurrence of one and only one SEED COAST AREA CODE

MUST BE is described by one and only one SEED COAST AREA CODE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| TRANSFER_RESTRICTION_PK | Primary | Y |
| VEGETATION_CODE         |         |   |
| SEED_COAST_AREA_CODE    |         |   |
| SITE_COAST_AREA_CODE    |         |   |

|                                              |                          |                     |                            |                         |
|----------------------------------------------|--------------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> TRANSFER_SPZ_RESTRICTION |                          |                     | <b>Short Name:</b>         | TSR                     |
| <b>Plural:</b>                               | TRANSFER_SPZ_RESTRICTION |                     |                            |                         |
| <b>Init. Volume:</b>                         | 10                       | <b>Avg. Volume:</b> | 1                          | <b>Max. Volume:</b> 100 |
|                                              |                          |                     | <b>Annual Growth Rate:</b> |                         |

Description:

A table used to apply additional restrictions on seed lot movement between seed planning zones.

Attributes:

| <u>Name</u>                                                                                                                                                                                             | <u>Domain</u>      | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|---------------|---------------|
| * VEGETATION_CODE                                                                                                                                                                                       | VEGETATION_CODE    | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush.                                                                                                                                                     |                    |            |               |               |
| * GENETIC_CLASS_CODE                                                                                                                                                                                    | GENETIC_CLASS_CODE | N          | VARCHAR2      | 1             |
| A code which represents the genetic quality of material (seed or cuttings). 'A' class represents superior orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings. |                    |            |               |               |
| * COAST_INTERIOR_CODE                                                                                                                                                                                   |                    | N          | VARCHAR2      | 1             |
| A code representing the general location of the seed planning zone. Values are 'C' (Coastal) or 'I' (Interior).                                                                                         |                    |            |               |               |
| * SITE_PLAN_ZONE_CODE                                                                                                                                                                                   |                    | N          | VARCHAR2      | 3             |
| A code which represents an approved geographic area for which the planting site is located.                                                                                                             |                    |            |               |               |
| * SEED_PLAN_ZONE_CODE                                                                                                                                                                                   |                    | N          | VARCHAR2      | 3             |
| A code which represents an approved geographic area for which the seed or cuttings are to be planted.                                                                                                   |                    |            |               |               |
| REVISION_COUNT                                                                                                                                                                                          | REVISION_CNT       | N          | NUMBER        | 5,0           |
| Internal counter used by the system to avoid conflicting updates to the record.                                                                                                                         |                    |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                            |                    |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MUST BE is described by one and only one COAST INTERIOR CODE
  - MUST BE is described by one and only one GENETIC CLASS CODE
  - MUST BE is described by one and only one SEED PLAN ZONE CODE
  - MUST BE is described secondly by one and only one SEED PLAN ZONE CODE
- \* = Relationships in primary unique identifier.

Unique Identifiers:

- TRANSFER\_SPZ\_RESTRICTION\_PK    Primary    Y
  - VEGETATION\_CODE
  - GENETIC\_CLASS\_CODE
  - COAST\_INTERIOR\_CODE
  - SITE\_PLAN\_ZONE\_CODE
  - SEED\_PLAN\_ZONE\_CODE

TCCTX

*Annual Growth Rate:*

*MUST BE identifies contacts for one and only one TSC\_CLIENT\_CONTACT*

**Entity Name:** TSC INVOICE**Short Name:** TI1**Plural:** TSC INVOICE**Init. Volume:** 0**Avg. Volume:** 1000**Max. Volume:** 5000**Annual Growth Rate:****Description:**

A group of billed items which will appear on an invoice, directed to a client location, used to bill clients for the provision of requested services.

**Attributes:**

| <u>Name</u>                                                                         | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * INVOICE NUMBER                                                                    |               | N          | VARCHAR2      | 7             |
| The invoice number notifying a client of a billing assessment made by the ministry. |               |            |               |               |
| INVOICE AMOUNT                                                                      |               | N          | NUMBER        | 9,2           |
| The amount due on the invoice.                                                      |               |            |               |               |
| PST AMOUNT                                                                          |               | N          | NUMBER        | 9,2           |
| The PST portion of the invoice.                                                     |               |            |               |               |
| GST AMOUNT                                                                          |               | N          | NUMBER        | 9,2           |
| The GST portion of the invoice.                                                     |               |            |               |               |
| HST AMOUNT                                                                          |               | N          | NUMBER        | 9,2           |
| The Harmonized Sales Tax (HST) portion of the invoice.                              |               |            |               |               |
| GST EXEMPT IND                                                                      |               | N          | VARCHAR2      | 1             |
| Indicator to determine if the current invoice is GST exempt.                        |               |            |               |               |
| HST EXEMPT IND                                                                      |               | N          | VARCHAR2      | 1             |
| Indicator to determine if the current invoice is HST exempt.                        |               |            |               |               |
| INVOICE DATE                                                                        |               | N          | DATE          |               |
| The date the invoice was generated.                                                 |               |            |               |               |
| PRINTED DATE                                                                        |               | Y          | DATE          |               |
| The date the invoice was printed.                                                   |               |            |               |               |
| FIN SRVC UPDT DATE                                                                  |               | Y          | DATE          |               |
| The date the financial services system was updated.                                 |               |            |               |               |
| INVOICE COMMENT                                                                     |               | Y          | VARCHAR2      | 2000          |
| A comment associated with the invoice.                                              |               |            |               |               |
| 2005-10-18 R.A.Robb (PT#27819)                                                      |               |            |               |               |
| - increased maxlength to 2000                                                       |               |            |               |               |
| ENTRY USERID                                                                        | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the invoice.                              |               |            |               |               |
| ENTRY TIMESTAMP                                                                     | AUDIT_DATE    | N          | DATE          |               |
| The time and date an invoice was entered onto the system.                           |               |            |               |               |
| UPDATE USERID                                                                       | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the invoice.                              |               |            |               |               |
| UPDATE TIMESTAMP                                                                    | AUDIT_DATE    | N          | DATE          |               |
| The time and date an invoice was last updated on the system.                        |               |            |               |               |
| REVISION COUNT                                                                      | REVISION_CNT  | N          | NUMBER        | 5,0           |
| Internal counter used by the system to avoid conflicting updates to the record.     |               |            |               |               |
| * = Attributes in primary unique identifier.                                        |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is invoiced to one and only one CLIENT LOCATION

MAY BE is comprised of one or more INVOICE ITEM

MAY BE is described by one and only one INVOICE RELATION TYPE CODE

MAY BE cancels one or more TSC INVOICE

**Entity Name:** TSC INVOICE (cont'd)*Short Name:*

TI1

MAY BE is cancelled by one and only one TSC INVOICE

MAY BE is related to one and only one TSC INVOICE

MAY BE is replaced by one and only one TSC INVOICE

MAY BE relates back to one or more TSC INVOICE

MAY BE replaces one or more TSC INVOICE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**TSC\_INVOICE\_PK *Primary* Y

INVOICE NUMBER

**Notes:**

2005-10-18 R.A.Robb (PT#27819)

- increased maxlength of INVOICE\_COMMENT to 2000

**Entity Name:** TSC\_CLIENT\_CONTACT*Short Name:*

TCC

*Plural:* TSC\_CLIENT\_CONTACT*Init. Volume:* 100*Avg. Volume:* 200*Max. Volume:* 2000*Annual Growth Rate:***Description:**

A client representative who conducts business with the Tree Seed Centre from a client location.

**Attributes:**

| <u>Name</u>                                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TSC CLIENT CONTACT SKEY                                                                    |               | N          | NUMBER        | 10            |
| CONTACT NAME                                                                                 |               | N          | VARCHAR2      | 40            |
| The name of the client contact.                                                              |               |            |               |               |
| TSC CLIENT STATUS CODE                                                                       |               | N          | VARCHAR2      | 3             |
| A status of the client determining if they are active or inactive.                           |               |            |               |               |
| CONTACT CLI NUMBER                                                                           |               | Y          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                  |               |            |               |               |
| CONTACT CLI LOC CD                                                                           |               | Y          | VARCHAR2      | 2             |
| The client location code of the Tree Seed Centre client.                                     |               |            |               |               |
| PRI CONTACT IND                                                                              |               | Y          | VARCHAR2      | 1             |
| CONTACT USERID                                                                               | AUDIT_USERID  | Y          | VARCHAR2      | 30            |
| The userid associated with the contact.                                                      |               |            |               |               |
| PHONE 1                                                                                      |               | Y          | VARCHAR2      | 10            |
| The primary phone number of the contact.                                                     |               |            |               |               |
| PHONE 1 EXT                                                                                  |               | Y          | VARCHAR2      | 5             |
| PHONE 2                                                                                      |               | Y          | VARCHAR2      | 10            |
| An alternate phone number of the contact.                                                    |               |            |               |               |
| PHONE 2 EXT                                                                                  |               | Y          | VARCHAR2      | 5             |
| FAX NUMBER                                                                                   |               | Y          | VARCHAR2      | 10            |
| The fax number of the contact.                                                               |               |            |               |               |
| EMAIL ADDRESS                                                                                |               | Y          | VARCHAR2      | 100           |
| The e-mail address associated with the client contact.                                       |               |            |               |               |
| CONTACT TITLE                                                                                |               | Y          | VARCHAR2      | 40            |
| The job title for the contact                                                                |               |            |               |               |
| CONTACT COMMENT                                                                              |               | Y          | VARCHAR2      | 254           |
| General comments pertaining about the contact.                                               |               |            |               |               |
| MAIL ADDR TYPE CODE                                                                          |               | Y          | VARCHAR2      | 1             |
| The address type of the contact.                                                             |               |            |               |               |
| ENTRY TIMESTAMP                                                                              | AUDIT_DATE    | N          | DATE          |               |
| The time and date a request was entered onto the system.                                     |               |            |               |               |
| ENTRY USERID                                                                                 | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the request.                                       |               |            |               |               |
| UPDATE TIMESTAMP                                                                             | AUDIT_DATE    | N          | DATE          |               |
| The time and date a request was updated in the system.                                       |               |            |               |               |
| UPDATE USERID                                                                                | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the request.                                       |               |            |               |               |
| REVISION COUNT                                                                               | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

|                     |                             |                    |     |
|---------------------|-----------------------------|--------------------|-----|
| <b>Entity Name:</b> | TSC_CLIENT_CONTACT (cont'd) | <b>Short Name:</b> | TCC |
|---------------------|-----------------------------|--------------------|-----|

MAY BE is a contact at one and only one CLIENT LOCATION  
MUST BE is a TSC contact for one and only one CLIENT LOCATION  
MAY BE is described by one and only one MAIL ADDR TYPE CODE  
MAY BE is identified by one or more TSC CLIENT CONTACT TYPE XREF  
MUST BE is associated with one and only one TSC\_CLIENT\_INFORMATION  
MUST BE is described by one and only one TSC\_CLIENT\_STATUS\_CODE  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                    |         |   |
|--------------------------------------------------------------------|---------|---|
| TSC_CLIENT_CONTACT_UK                                              | Primary | N |
| MUST BE is associated with one and only one TSC_CLIENT_INFORMATION |         |   |
| CONTACT NAME                                                       |         |   |
| TSC_CLIENT_CONTACT_PK                                              | Primary | Y |
| TSC CLIENT CONTACT SKEY                                            |         |   |

**Entity Name:** TSC\_CLIENT\_INFORMATION*Short Name:*

TCI

*Plural:* TSC\_CLIENT\_INFORMATION*Init. Volume:* 500*Avg. Volume:* 100*Max. Volume:* 1000*Annual Growth Rate:***Description:**

Describes a Client Location for which the Tree Seed Centre has dealings. It also includes billing, shipping and carrier information.

**Attributes:**

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CLIENT_NUMBER                                                                                                                             |               | N          | VARCHAR2      | 8             |
| The client number of a client who has dealings with the Tree Seed Centre.                                                                   |               |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                          |               | N          | VARCHAR2      | 2             |
| The client location code of the Tree Seed Centre client.                                                                                    |               |            |               |               |
| BILL_TO_CITY                                                                                                                                |               | Y          | VARCHAR2      | 30            |
| Town or city name of the client's billing address.                                                                                          |               |            |               |               |
| BILL_PROVINCE                                                                                                                               |               | Y          | VARCHAR2      | 5             |
| Province or state of the client's billing address.                                                                                          |               |            |               |               |
| BILL_COUNTRY                                                                                                                                |               | Y          | VARCHAR2      | 6             |
| The country of the client's billing address.                                                                                                |               |            |               |               |
| BILL_POSTAL_CODE                                                                                                                            |               | Y          | VARCHAR2      | 10            |
| Code used by Canadian Federal Government Postal System; may also contain an American zip code or another country's postal code.             |               |            |               |               |
| SHIP_TO_CITY                                                                                                                                |               | Y          | VARCHAR2      | 30            |
| Code used by Canadian Federal Government Postal System; may also contain an American zip code or another country's postal code.             |               |            |               |               |
| SHIP_PROVINCE                                                                                                                               |               | Y          | VARCHAR2      | 5             |
| Province or state of the client's shipping address.                                                                                         |               |            |               |               |
| SHIP_COUNTRY                                                                                                                                |               | Y          | VARCHAR2      | 6             |
| The country of the client's shipping address.                                                                                               |               |            |               |               |
| SHIP_POSTAL_CODE                                                                                                                            |               | Y          | VARCHAR2      | 10            |
| Code used by Canadian Federal Government Postal System; may also contain an American zip code or another country's postal code.             |               |            |               |               |
| PRI_CARRIER_NAME                                                                                                                            |               | Y          | VARCHAR2      | 25            |
| The name of the primary agency when the Tree Seed Centre contracts shipping on the client's behalf.                                         |               |            |               |               |
| PRI_CARRIER_ACCT                                                                                                                            |               | Y          | VARCHAR2      | 15            |
| The account number for the primary carrier of the Tree Seed Centre.                                                                         |               |            |               |               |
| PRI_PREPAID_IND                                                                                                                             |               | Y          | VARCHAR2      | 1             |
| An indicator to show whether shipments will be prepaid by the Client ('Y' yes) or to be paid by the Tree Seed Centre and invoiced ('N' no). |               |            |               |               |
| SEC_CARRIER_NAME                                                                                                                            |               | Y          | VARCHAR2      | 25            |
| The name of the secondary agency when the Tree Seed Centre contracts shipping on the client's behalf.                                       |               |            |               |               |
| SEC_CARRIER_ACCT                                                                                                                            |               | Y          | VARCHAR2      | 15            |
| The account number for the secondary carrier of the Tree Seed Centre.                                                                       |               |            |               |               |
| SEC_PREPAID_IND                                                                                                                             |               | Y          | VARCHAR2      | 1             |
| An indicator to show whether shipments will be prepaid by the client ('Y' yes) or to be paid by the Tree Seed Centre and invoiced ('N' no). |               |            |               |               |
| ENTRY_TIMESTAMP                                                                                                                             | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Tree Seed Centre client was entered onto the system.                                                                    |               |            |               |               |
| ENTRY_USERID                                                                                                                                | AUDIT_USERID  | N          | VARCHAR2      | 30            |

| <b>Entity Name:</b> TSC_CLIENT_INFORMATION (cont'd)                                          |              |   | Short Name: | TCI  |
|----------------------------------------------------------------------------------------------|--------------|---|-------------|------|
| The userid of the individual that entered the Tree Seed Centre client.                       |              |   |             |      |
| UPDATE_TIMESTAMP                                                                             | AUDIT_DATE   | N | DATE        |      |
| The time and date a Tree Seed Centre client was last updated on the system.                  |              |   |             |      |
| UPDATE_USERID                                                                                | AUDIT_USERID | N | VARCHAR2    | 30   |
| The userid of the individual that changed the Tree Seed Centre client.                       |              |   |             |      |
| REVISION_COUNT                                                                               | REVISION_CNT | N | NUMBER      | 5,0  |
| A counter used to ensure data integrity. This item should be incremented during each update. |              |   |             |      |
| TSC_CLIENT_ALIAS                                                                             |              | Y | VARCHAR2    | 40   |
| An alternative name by which the client is referred to.                                      |              |   |             |      |
| BILL_ADDRESS_1                                                                               |              | Y | VARCHAR2    | 40   |
| The first line of the client's billing address.                                              |              |   |             |      |
| BILL_ADDRESS_2                                                                               |              | Y | VARCHAR2    | 40   |
| The second line of the client's billing address.                                             |              |   |             |      |
| BILL_ADDRESS_3                                                                               |              | Y | VARCHAR2    | 40   |
| The third line of the client's billing address.                                              |              |   |             |      |
| SHIP_ADDRESS_1                                                                               |              | Y | VARCHAR2    | 40   |
| The first line of the client's shipping address.                                             |              |   |             |      |
| SHIP_ADDRESS_2                                                                               |              | Y | VARCHAR2    | 40   |
| The second line of the client's shipping address.                                            |              |   |             |      |
| SHIP_ADDRESS_3                                                                               |              | Y | VARCHAR2    | 40   |
| The third line of the client's shipping address.                                             |              |   |             |      |
| TSC_CLIENT_COMMENT                                                                           |              | Y | VARCHAR2    | 2000 |
| A free format text field used to enter general comments for a Tree Seed Centre client.       |              |   |             |      |
| 2006-08-21 R.A.Robb (Rls 3.1)                                                                |              |   |             |      |
| - modified maxlength from 75 to 2000                                                         |              |   |             |      |
| * = Attributes in primary unique identifier.                                                 |              |   |             |      |

**Relationships:**Each Occurrence Of This Entity:

MAY BE is located at one and only one CLIENT\_LOCATION

MAY BE may be contacted at one or more TSC\_CLIENT\_CONTACT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

TSC\_CLIENT\_INFORMATION\_PK      Primary    Y

CLIENT\_NUMBER

CLIENT\_LOCN\_CODE

**Notes:**

2006-08-21 R.A.Robb (Rls 3.1)

- modified TSC\_CLIENT\_COMMENT maxlength from 75 to 2000

|                      |                        |                            |       |
|----------------------|------------------------|----------------------------|-------|
| <b>Entity Name:</b>  | TSC_CLIENT_STATUS_CODE | <b>Short Name:</b>         | TCSC1 |
| <b>Plural:</b>       | TSC_CLIENT_STATUS_CODE |                            |       |
| <b>Init. Volume:</b> | 50                     | <b>Avg. Volume:</b>        | 5     |
|                      |                        | <b>Max. Volume:</b>        | 250   |
|                      |                        | <b>Annual Growth Rate:</b> |       |

**Description:**  
A list of valid Client Status Codes.

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * TSC_CLIENT_STATUS_CODE                     |               | N          | VARCHAR2      | 3             |
| A code describing various Client Statuses.   |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE contains a code for one or more TSC\_CLIENT\_CONTACT  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
CLIENT\_STATUS\_CODE\_PK      Primary   Y  
TSC\_CLIENT\_STATUS\_CODE

|                      |                      |                            |      |
|----------------------|----------------------|----------------------------|------|
| <b>Entity Name:</b>  | TSC_CLIENT_TYPE_CODE | <b>Short Name:</b>         | TCTC |
| <b>Plural:</b>       | TSC_CLIENT_TYPE_CODE |                            |      |
| <b>Init. Volume:</b> | 50                   | <b>Avg. Volume:</b>        | 5    |
|                      |                      | <b>Max. Volume:</b>        | 250  |
|                      |                      | <b>Annual Growth Rate:</b> |      |

Description:

A list of valid TSC Client Type Codes.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * TSC CLIENT TYPE CODE                       |               | N          | VARCHAR2      | 3             |
| A code describing various TSC Client Types.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more TSC CLIENT CONTACT TYPE XREF

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| TSC_CLIENT_TYPE_CODE_PK | Primary | Y |
| TSC CLIENT TYPE CODE    |         |   |

|                      |                      |                     |                            |                     |     |
|----------------------|----------------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | UNIT_OF_MEASURE_CODE |                     |                            | <b>Short Name:</b>  | UMC |
| <b>Plural:</b>       | UNIT_OF_MEASURE_CODE |                     |                            |                     |     |
| <b>Init. Volume:</b> | 50                   | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250 |
|                      |                      |                     | <b>Annual Growth Rate:</b> |                     |     |

Description:

A list of valid Unit of Measurement Codes.

Attributes:

| <u>Name</u>                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------|---------------|------------|---------------|---------------|
| * UNIT_OF_MEASURE_CODE                          |               | N          | VARCHAR2      | 3             |
| A code describing various Unit of Measurements. |               |            |               |               |
| DESCRIPTION                                     | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.          |               |            |               |               |
| EFFECTIVE_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.       |               |            |               |               |
| EXPIRY_DATE                                     | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                   |               |            |               |               |
| UPDATE_TIMESTAMP                                |               | N          | DATE          |               |
| The date and time of the last update.           |               |            |               |               |
| * = Attributes in primary unique identifier.    |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains a code for one or more BILLING ITEM PRICE

MAY BE contains a code for one or more REGISTRATION STANDARD

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| UNIT_OF_MEASURE_CODE_PK | Primary | Y |
| UNIT_OF_MEASURE_CODE    |         |   |

**Entity Name:** VEG LOT**Short Name:** VL**Plural:** VEG LOT**Init. Volume:** 500**Avg. Volume:** 100**Max. Volume:** 1000**Annual Growth Rate:****Description:**

A source of cuttings of a particular species with the same genetic class and suitability factors.

**Attributes:**

| <u>Name</u>                                                                                                                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * VEG LOT ID                                                                                                                                                             |               | N          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.                                |               |            |               |               |
| BC SOURCE IND                                                                                                                                                            |               | Y          | VARCHAR2      | 1             |
| Indicates whether the source of the seedlot is within British Columbia                                                                                                   |               |            |               |               |
| APPLICANT EMAIL ADDRESS                                                                                                                                                  |               | Y          | VARCHAR2      | 100           |
| Email address of client applying to register the seedlot                                                                                                                 |               |            |               |               |
| SUPERIOR PRVNC IND                                                                                                                                                       |               | Y          | VARCHAR2      | 1             |
| An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N').                                                            |               |            |               |               |
| REGISTERD CTNG IND                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| An indicator which represents whether a cutting lot is registered for Crown land reforestation use ('Y' yes) or not ('N' no).                                            |               |            |               |               |
| TO BE REGISTRD IND                                                                                                                                                       |               | Y          | VARCHAR2      | 1             |
| An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).                                |               |            |               |               |
| REGISTERED DATE                                                                                                                                                          |               | Y          | DATE          |               |
| The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.                                                                 |               |            |               |               |
| ORCHARD COMMENT                                                                                                                                                          |               | Y          | VARCHAR2      | 2000          |
| Comments made by or about the collection Orchard.                                                                                                                        |               |            |               |               |
| COLLECTION ELEVATION                                                                                                                                                     |               | Y          | NUMBER        | 5,0           |
| The representative elevation in meters where the seed lot originated. For orchard seed lots it is a weighted average of the contributing parent trees source elevations. |               |            |               |               |
| COLLECTION ELEVATION MIN                                                                                                                                                 |               | Y          | NUMBER        | 5,0           |
| The minimum elevation in meters where the exotic seed lot originated.                                                                                                    |               |            |               |               |
| COLLECTION ELEVATION MAX                                                                                                                                                 |               | Y          | NUMBER        | 5,0           |
| The maximum elevation in meters where the exotic seed lot originated.                                                                                                    |               |            |               |               |
| UTM_EASTING                                                                                                                                                              |               | Y          | NUMBER        | 10,0          |
| The Universal Transverse Mercator location reference. This is the Easting reference (metres east of the Central Meridian of the zone).                                   |               |            |               |               |
| UTM_ZONE                                                                                                                                                                 |               | Y          | NUMBER        | 5,0           |
| The Universal Transverse Mercator location reference known as the Zone reference.                                                                                        |               |            |               |               |
| UTM_NORTHING                                                                                                                                                             |               | Y          | NUMBER        | 10,0          |
| The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator).                                                      |               |            |               |               |
| COLLECTION LAT DEG                                                                                                                                                       | LATITUDE      | Y          | NUMBER        | 2,0           |
| The latitude (degrees portion) for the origin of the exotic seed lot.                                                                                                    |               |            |               |               |
| COLLECTION LAT MIN                                                                                                                                                       | MINUTES       | Y          | NUMBER        | 2,0           |
| The latitude (minutes portion) for the origin of the exotic seed lot.                                                                                                    |               |            |               |               |
| COLLECTION LAT SEC                                                                                                                                                       | SECONDS       | Y          | NUMBER        | 2,0           |
| The latitude (seconds portion) for the origin of the exotic seed lot.                                                                                                    |               |            |               |               |

| <b>Entity Name:</b> VEG LOT (cont'd)                                                                                                                                                                                                                  |           | Short Name: | VL   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|------|
| <i>- Added for conformance with Chief Forester's Standards</i>                                                                                                                                                                                        |           |             |      |
| COLLECTION LONG DEG                                                                                                                                                                                                                                   | LONGITUDE | Y NUMBER    | 3,0  |
| The longitude (degrees portion) for the origin of the exotic Seed Lot.                                                                                                                                                                                |           |             |      |
| COLLECTION LONG MIN                                                                                                                                                                                                                                   | MINUTES   | Y NUMBER    | 2,0  |
| The longitude (minutes portion) for the origin of the exotic Seed Lot.                                                                                                                                                                                |           |             |      |
| COLLECTION LONG SEC                                                                                                                                                                                                                                   | SECONDS   | Y NUMBER    | 2,0  |
| The longitude (seconds portion) for the origin of the exotic Seed Lot.                                                                                                                                                                                |           |             |      |
| <i>2005-03-14 R.A.Robb (PT#26063)</i>                                                                                                                                                                                                                 |           |             |      |
| <i>- Added for conformance with Chief Forester's Standards</i>                                                                                                                                                                                        |           |             |      |
| COLLECTION LOCN DESC                                                                                                                                                                                                                                  |           | Y VARCHAR2  | 30   |
| A free-form text description of the location where the cutting lot originated.                                                                                                                                                                        |           |             |      |
| COLLECTION AREA RADIUS                                                                                                                                                                                                                                |           | Y NUMBER    | 5,1  |
| Radius of the seedlot collection area.                                                                                                                                                                                                                |           |             |      |
| COLLECTION STANDARD MET IND                                                                                                                                                                                                                           |           | Y VARCHAR2  | 1    |
| Indicates acknowledgment of compliance or non-compliance with veg lot collection standards prescribed in the Chief Forester's Standards.                                                                                                              |           |             |      |
| COLLECTION SEED PLAN ZONE IND                                                                                                                                                                                                                         |           | Y VARCHAR2  | 1    |
| Indicates whether the seedlot collection took place in one seed planning zone.                                                                                                                                                                        |           |             |      |
| COLLECTION BGC IND                                                                                                                                                                                                                                    |           | Y VARCHAR2  | 1    |
| Indicates whether the seedlot collection took place in one biogeoclimatic zone.                                                                                                                                                                       |           |             |      |
| BGC ZONE CODE                                                                                                                                                                                                                                         |           | Y VARCHAR2  | 4    |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |           |             |      |
| BGC SUBZONE CODE                                                                                                                                                                                                                                      |           | Y VARCHAR2  | 3    |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |           |             |      |
| VARIANT                                                                                                                                                                                                                                               |           | Y VARCHAR2  | 1    |
| A division of biogeoclimatic information. A unit of site classification defined as all land areas capable of producing vegetation belonging to the same plant association at climax, within a subzone or variant. A division of the site association. |           |             |      |
| UTM ZONE                                                                                                                                                                                                                                              |           | Y NUMBER    | 5,0  |
| The Universal Transverse Mercator location reference known as the Zone reference.                                                                                                                                                                     |           |             |      |
| <i>2005-03-22 R.A.Robb</i>                                                                                                                                                                                                                            |           |             |      |
| <i>- Made optional to reflect what is in physical database</i>                                                                                                                                                                                        |           |             |      |
| UTM EASTING                                                                                                                                                                                                                                           |           | Y NUMBER    | 10,0 |
| The Universal Transverse Mercator location reference. This is the Easting reference (metres east of the Central Meridian of the zone).                                                                                                                |           |             |      |
| <i>2005-03-22 R.A.Robb</i>                                                                                                                                                                                                                            |           |             |      |
| <i>- Made optional to reflect what is in physical database</i>                                                                                                                                                                                        |           |             |      |
| UTM NORTHING                                                                                                                                                                                                                                          |           | Y NUMBER    | 10,0 |
| The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator).                                                                                                                                   |           |             |      |
| <i>2005-03-22 R.A.Robb</i>                                                                                                                                                                                                                            |           |             |      |
| <i>- Made optional to reflect what is in physical database</i>                                                                                                                                                                                        |           |             |      |
| ELEVATION                                                                                                                                                                                                                                             |           | Y NUMBER    | 5,0  |
| The representative elevation in meters where the cutting lot parent trees originated.                                                                                                                                                                 |           |             |      |
| ELEVATION MIN                                                                                                                                                                                                                                         |           | Y NUMBER    | 5,0  |
| The minimum elevation in meters where the cutting lot parent trees originated.                                                                                                                                                                        |           |             |      |
| ELEVATION MAX                                                                                                                                                                                                                                         |           | Y NUMBER    | 5,0  |
| The maximum elevation in meters where the cutting lot parent trees originated.                                                                                                                                                                        |           |             |      |
| LATITUDE DEGREES                                                                                                                                                                                                                                      | LATITUDE  | Y NUMBER    | 2,0  |

| <b>Entity Name:</b> VEG LOT (cont'd)                                                                     |              | Short Name: | VL  |
|----------------------------------------------------------------------------------------------------------|--------------|-------------|-----|
| The latitude (degrees portion) for the Cutting Lot.                                                      |              |             |     |
| LATITUDE MINUTES                                                                                         | MINUTES      | Y NUMBER    | 2,0 |
| The latitude (minutes portion) for the Cutting Lot.                                                      |              |             |     |
| LATITUDE SECONDS                                                                                         | SECONDS      | Y NUMBER    | 2,0 |
| The latitude (seconds portion) for the Cutting Lot.                                                      |              |             |     |
| 2005-03-14 R.A.Robb (PT#26063)                                                                           |              |             |     |
| - Added for conformance with Chief Forester's Standards                                                  |              |             |     |
| LATITUDE DEG MIN                                                                                         | LATITUDE     | Y NUMBER    | 2,0 |
| The minimum latitude (degrees portion) for the cutting lot.                                              |              |             |     |
| LATITUDE MIN MIN                                                                                         | MINUTES      | Y NUMBER    | 2,0 |
| The minimum latitude (minutes portion) for the cutting lot.                                              |              |             |     |
| LATITUDE SEC MIN                                                                                         | SECONDS      | Y NUMBER    | 2,0 |
| The minimum latitude (seconds portion) for the seedlot.                                                  |              |             |     |
| LATITUDE DEG MAX                                                                                         | LATITUDE     | Y NUMBER    | 2,0 |
| The maximum latitude (degrees portion) for the cutting lot.                                              |              |             |     |
| LATITUDE MIN MAX                                                                                         | MINUTES      | Y NUMBER    | 2,0 |
| The maximum latitude (minutes portion) for the cutting lot.                                              |              |             |     |
| LATITUDE SEC MAX                                                                                         | SECONDS      | Y NUMBER    | 2,0 |
| The maximum latitude (seconds portion) for the seedlot.                                                  |              |             |     |
| LONGITUDE DEGREES                                                                                        | LONGITUDE    | Y NUMBER    | 3,0 |
| The logitude (degrees portion) for the Cutting Lot.                                                      |              |             |     |
| LONGITUDE MINUTES                                                                                        | MINUTES      | Y NUMBER    | 2,0 |
| The longitude (minutes portion) for the Cutting Lot.                                                     |              |             |     |
| LONGITUDE SECONDS                                                                                        | SECONDS      | Y NUMBER    | 2,0 |
| The longitude (seconds portion) for the Cutting Lot.                                                     |              |             |     |
| 2005-03-14 R.A.Robb (PT#26063)                                                                           |              |             |     |
| - Added for conformance with Chief Forester's Standards                                                  |              |             |     |
| LONGITUDE DEG MIN                                                                                        | LONGITUDE    | Y NUMBER    | 3,0 |
| LONGITUDE MIN MIN                                                                                        | MINUTES      | Y NUMBER    | 2,0 |
| LONGITUDE SEC MIN                                                                                        | SECONDS      | Y NUMBER    | 2,0 |
| LONGITUDE DEG MAX                                                                                        | LONGITUDE    | Y NUMBER    | 3,0 |
| LONGITUDE MIN MAX                                                                                        | MINUTES      | Y NUMBER    | 2,0 |
| LONGITUDE SEC MAX                                                                                        | SECONDS      | Y NUMBER    | 2,0 |
| EFFECTIVE POP SIZE                                                                                       |              | Y NUMBER    | 5,1 |
| The calculated number of parents contributing to the seed lot.                                           |              |             |     |
| BIOTECH PROCESSES IND                                                                                    |              | Y VARCHAR2  | 1   |
| Indicates if biotechnological processes been used to produce this lot.                                   |              |             |     |
| TOTAL PARENT TREES                                                                                       |              | Y NUMBER    | 5   |
| Total number of parent trees.                                                                            |              |             |     |
| APPROVED USERID                                                                                          | AUDIT_USERID | Y VARCHAR2  | 30  |
| The userid of the individual that approved the Seed Lot's information.                                   |              |             |     |
| APPROVED TIMESTAMP                                                                                       |              | Y DATE      |     |
| The time and date a Veg Lot's information was approved.                                                  |              |             |     |
| DECLARED USERID                                                                                          |              | Y VARCHAR2  | 30  |
| The userid of the individual that declares the following:                                                |              |             |     |
| - that the information is true and correct                                                               |              |             |     |
| - that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application |              |             |     |
| DECLARED TIMESTAMP                                                                                       |              | Y DATE      |     |

| Entity Name: | Short Name: | VL |
|--------------|-------------|----|
|--------------|-------------|----|

The date and time that the following were declared by the declarer:

- that the information is true and correct
- that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application

|                 |   |          |      |
|-----------------|---|----------|------|
| VEG LOT COMMENT | Y | VARCHAR2 | 2000 |
|-----------------|---|----------|------|

A free format text field used to enter general comments for a veg lot.

|              |   |          |    |
|--------------|---|----------|----|
| ENTRY USERID | N | VARCHAR2 | 30 |
|--------------|---|----------|----|

The userid of the individual that entered the Veg Lot..

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|                 |            |   |      |
|-----------------|------------|---|------|
| ENTRY TIMESTAMP | AUDIT_DATE | N | DATE |
|-----------------|------------|---|------|

The time and date a Veg Lot was entered onto the system.

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|               |   |          |    |
|---------------|---|----------|----|
| UPDATE USERID | N | VARCHAR2 | 30 |
|---------------|---|----------|----|

The userid of the individual that changed the Veg Lot.

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|                  |            |   |      |
|------------------|------------|---|------|
| UPDATE TIMESTAMP | AUDIT_DATE | N | DATE |
|------------------|------------|---|------|

The time and date a Veg Lot was last updated on the system.

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|                |              |   |        |     |
|----------------|--------------|---|--------|-----|
| REVISION COUNT | REVISION_CNT | N | NUMBER | 5,0 |
|----------------|--------------|---|--------|-----|

A counter used to ensure data integrity. This item should be incremented during each update.

\* = Attributes in primary unique identifier.

## Relationships:

### Each Occurrence Of This Entity:

MUST BE describes bec version one and only one BEC VERSION CONTROL

MAY BE registration applied for by one and only one CLIENT LOCATION

MAY BE described by one and only one COLLECTION LATITUDE CODE

MAY BE described by one and only one COLLECTION LONGITUDE CODE

MAY BE described by one and only one COLLECTION SOURCE CODE

MUST BE described by one and only one GENETIC CLASS CODE

MAY BE described by one and only one NAD DATUM CODE

MAY BE harvested from one and only one ORCHARD

MAY BE administered by one and only one ORG UNIT

MAY BE has Maritime area one and only one SEED COAST AREA CODE

MAY BE parent trees from one and only one SEED PLAN UNIT

MAY BE describes natural stand collection area one and only one SEED PLAN ZONE CODE

MAY BE describes collection area one and only one SUPERIOR PROVENANCE

MAY BE has one or more VEG LOT GENETIC WORTH

MAY BE source location defined by one and only one VEG LOT GEOMETRY

MAY BE child of one or more VEG LOT HERITAGE

MAY BE owns one or more VEG LOT OWNER QUANTITY

MAY BE composed of one or more VEG LOT PARENT TREES

MAY BE area of use defined by one or more VEG LOT PLAN ZONE

MAY BE class A source described by one and only one VEG LOT SOURCE CODE

MAY BE described by one and only one VEG LOT STATUS CODE

MAY BE has species one and only one VEGETATION CODE

|              |                  |             |    |
|--------------|------------------|-------------|----|
| Entity Name: | VEG LOT (cont'd) | Short Name: | VL |
|--------------|------------------|-------------|----|

\* = Relationships in primary unique identifier.

Unique Identifiers:

|            |         |   |
|------------|---------|---|
| VEG_LOT_PK | Primary | Y |
| VEG LOT ID |         |   |

Notes:

- 2005-02-14 R.A.Robb (PT#25601)  
-Added ENTRY USERID, ENTRY TIMESTAMP, UPDATE USERID, UPDATE TIMESTAMP in conjunction with adding VEG LOT AUDIT entity
- 2005-03-14 R.A.Robb (PT#26063)  
- added LATITUDE\_SECONDS and LONGITUDE\_SECONDS to comply with Chief Forester's Standards
- 2006-07-08 R.A.Robb (Rls 3.0)  
- Several attributes added (similar to SEEDLOT) for Chief Forester's Standards.  
- Removed SRCE INFO attribute and relationship to SEEDLOT

**Entity Name:** VEG LOT AUDIT**Short Name:** VLAUD**Plural:** VEG\_LOT\_AUDIT**Init. Volume:** 500**Avg. Volume:** 100**Max. Volume:****Annual Growth Rate:****Description:**

This entity captures modifications to VEG LOT.

**Attributes:**

| <u>Name</u>                                                                                                                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * VEG LOT AUDIT ID                                                                                                                                                       |               | N          | NUMBER        | 10            |
| A unique sequence to identify an audited Veg Lot instance.                                                                                                               |               |            |               |               |
| AUDIT DATE                                                                                                                                                               |               | N          | DATE          |               |
| The date and time the audit record was created.                                                                                                                          |               |            |               |               |
| VEG LOT ID                                                                                                                                                               |               | N          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.                                |               |            |               |               |
| BC SOURCE IND                                                                                                                                                            |               | Y          | VARCHAR2      | 1             |
| Indicates whether the source of the seedlot is within British Columbia                                                                                                   |               |            |               |               |
| APPLICANT EMAIL ADDRESS                                                                                                                                                  |               | Y          | VARCHAR2      | 100           |
| Email address of client applying to register the seedlot                                                                                                                 |               |            |               |               |
| SUPERIOR PRVNC IND                                                                                                                                                       |               | Y          | VARCHAR2      | 1             |
| An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N').                                                            |               |            |               |               |
| REGISTERD CTNG IND                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| An indicator which represents whether a cutting lot is registered for Crown land reforestation use ('Y' yes) or not ('N' no).                                            |               |            |               |               |
| TO BE REGISTRD IND                                                                                                                                                       |               | Y          | VARCHAR2      | 1             |
| An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).                                |               |            |               |               |
| REGISTERED DATE                                                                                                                                                          |               | Y          | DATE          |               |
| The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.                                                                 |               |            |               |               |
| ORCHARD COMMENT                                                                                                                                                          |               | Y          | VARCHAR2      | 2000          |
| Comments made by or about the collection Orchard.                                                                                                                        |               |            |               |               |
| COLLECTION ELEVATION                                                                                                                                                     |               | Y          | NUMBER        | 5,0           |
| The representative elevation in meters where the seed lot originated. For orchard seed lots it is a weighted average of the contributing parent trees source elevations. |               |            |               |               |
| COLLECTION ELEVATION MIN                                                                                                                                                 |               | Y          | NUMBER        | 5,0           |
| The minimum elevation in meters where the exotic seed lot originated.                                                                                                    |               |            |               |               |
| COLLECTION ELEVATION MAX                                                                                                                                                 |               | Y          | NUMBER        | 5,0           |
| The maximum elevation in meters where the exotic seed lot originated.                                                                                                    |               |            |               |               |
| UTM_EASTING                                                                                                                                                              |               | Y          | NUMBER        | 10,0          |
| The Universal Transverse Mercator location reference. This is the Easting reference (metres east of the Central Meridian of the zone).                                   |               |            |               |               |
| UTM_ZONE                                                                                                                                                                 |               | Y          | NUMBER        | 5,0           |
| The Universal Transverse Mercator location reference known as the Zone reference.                                                                                        |               |            |               |               |
| UTM_NORTHING                                                                                                                                                             |               | Y          | NUMBER        | 10,0          |
| The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator).                                                      |               |            |               |               |
| COLLECTION LAT DEG                                                                                                                                                       | LATITUDE      | Y          | NUMBER        | 2,0           |
| The latitude (degrees portion) for the origin of the exotic seed lot.                                                                                                    |               |            |               |               |
| COLLECTION LAT MIN                                                                                                                                                       | MINUTES       | Y          | NUMBER        | 2,0           |

| <b>Entity Name:</b> VEG LOT AUDIT (cont'd)                                                                                                                                                                                                            |           |   | Short Name: | VLAUD |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|-------------|-------|
| The latitude (minutes portion) for the origin of the exotic seed lot.                                                                                                                                                                                 |           |   |             |       |
| COLLECTION LAT SEC                                                                                                                                                                                                                                    | SECONDS   | Y | NUMBER      | 2,0   |
| The latitude (seconds portion) for the origin of the exotic seed lot.                                                                                                                                                                                 |           |   |             |       |
| 2005-03-14 R.A.Robb (PT#26063)                                                                                                                                                                                                                        |           |   |             |       |
| - Added for conformance with Chief Forester's Standards                                                                                                                                                                                               |           |   |             |       |
| COLLECTION LONG DEG                                                                                                                                                                                                                                   | LONGITUDE | Y | NUMBER      | 3,0   |
| The longitude (degrees portion) for the origin of the exotic Seed Lot.                                                                                                                                                                                |           |   |             |       |
| COLLECTION LONG MIN                                                                                                                                                                                                                                   | MINUTES   | Y | NUMBER      | 2,0   |
| The longitude (minutes portion) for the origin of the exotic Seed Lot.                                                                                                                                                                                |           |   |             |       |
| COLLECTION LONG SEC                                                                                                                                                                                                                                   | SECONDS   | Y | NUMBER      | 2,0   |
| The longitude (seconds portion) for the origin of the exotic Seed Lot.                                                                                                                                                                                |           |   |             |       |
| 2005-03-14 R.A.Robb (PT#26063)                                                                                                                                                                                                                        |           |   |             |       |
| - Added for conformance with Chief Forester's Standards                                                                                                                                                                                               |           |   |             |       |
| COLLECTION LOCN DESC                                                                                                                                                                                                                                  |           | Y | VARCHAR2    | 30    |
| A free-form text description of the location where the cutting lot originated.                                                                                                                                                                        |           |   |             |       |
| COLLECTION AREA RADIUS                                                                                                                                                                                                                                |           | Y | NUMBER      | 5,1   |
| Radius of the seedlot collection area.                                                                                                                                                                                                                |           |   |             |       |
| COLLECTION STANDARD MET IND                                                                                                                                                                                                                           |           | Y | VARCHAR2    | 1     |
| Indicates acknowledgment of compliance or non-compliance with veg lot collection standards prescribed in the Chief Forester's Standards.                                                                                                              |           |   |             |       |
| COLLECTION SEED PLAN ZONE IND                                                                                                                                                                                                                         |           | Y | VARCHAR2    | 1     |
| Indicates whether the seedlot collection took place in one seed planning zone.                                                                                                                                                                        |           |   |             |       |
| COLLECTION BGC IND                                                                                                                                                                                                                                    |           | Y | VARCHAR2    | 1     |
| Indicates whether the seedlot collection took place in one biogeoclimatic zone.                                                                                                                                                                       |           |   |             |       |
| BGC ZONE CODE                                                                                                                                                                                                                                         |           | Y | VARCHAR2    | 4     |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |           |   |             |       |
| BGC SUBZONE CODE                                                                                                                                                                                                                                      |           | Y | VARCHAR2    | 3     |
| A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.                                                                                                               |           |   |             |       |
| VARIANT                                                                                                                                                                                                                                               |           | Y | VARCHAR2    | 1     |
| A division of biogeoclimatic information. A unit of site classification defined as all land areas capable of producing vegetation belonging to the same plant association at climax, within a subzone or variant. A division of the site association. |           |   |             |       |
| BEC VERSION ID                                                                                                                                                                                                                                        |           | Y | NUMBER      | 10    |
| The version number of the calculated BEC value based off of the BIOGEOCLIMATIC_POLY table.                                                                                                                                                            |           |   |             |       |
| UTM ZONE                                                                                                                                                                                                                                              |           | Y | NUMBER      | 5,0   |
| The Universal Transverse Mercator location reference known as the Zone reference.                                                                                                                                                                     |           |   |             |       |
| 2005-03-22 R.A.Robb                                                                                                                                                                                                                                   |           |   |             |       |
| - Made optional to reflect what is in physical database                                                                                                                                                                                               |           |   |             |       |
| UTM EASTING                                                                                                                                                                                                                                           |           | Y | NUMBER      | 10,0  |
| The Universal Transverse Mercator location reference. This is the Easting reference (metres east of the Central Meridian of the zone).                                                                                                                |           |   |             |       |
| 2005-03-22 R.A.Robb                                                                                                                                                                                                                                   |           |   |             |       |
| - Made optional to reflect what is in physical database                                                                                                                                                                                               |           |   |             |       |
| UTM NORTHING                                                                                                                                                                                                                                          |           | Y | NUMBER      | 10,0  |
| The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator).                                                                                                                                   |           |   |             |       |
| 2005-03-22 R.A.Robb                                                                                                                                                                                                                                   |           |   |             |       |
| - Made optional to reflect what is in physical database                                                                                                                                                                                               |           |   |             |       |

| <b>Entity Name:</b> VEG LOT AUDIT (cont'd)                                            |              |        | Short Name: | VLAUD |
|---------------------------------------------------------------------------------------|--------------|--------|-------------|-------|
| ELEVATION                                                                             | Y            | NUMBER | 5,0         |       |
| The representative elevation in meters where the cutting lot parent trees originated. |              |        |             |       |
| ELEVATION MIN                                                                         | Y            | NUMBER | 5,0         |       |
| The minimum elevation in meters where the cutting lot parent trees originated.        |              |        |             |       |
| ELEVATION MAX                                                                         | Y            | NUMBER | 5,0         |       |
| The maximum elevation in meters where the cutting lot parent trees originated.        |              |        |             |       |
| LATITUDE DEGREES                                                                      | LATITUDE     | Y      | NUMBER      | 2,0   |
| The latitude (degrees portion) for the Cutting Lot.                                   |              |        |             |       |
| LATITUDE MINUTES                                                                      | MINUTES      | Y      | NUMBER      | 2,0   |
| The latitude (minutes portion) for the Cutting Lot.                                   |              |        |             |       |
| LATITUDE SECONDS                                                                      | SECONDS      | Y      | NUMBER      | 2,0   |
| The latitude (seconds portion) for the Cutting Lot.                                   |              |        |             |       |
| <i>2005-03-14 R.A.Robb (PT#26063)</i>                                                 |              |        |             |       |
| <i>- Added for conformance with Chief Forester's Standards</i>                        |              |        |             |       |
| LATITUDE DEG MIN                                                                      | LATITUDE     | Y      | NUMBER      | 2,0   |
| The minimum latitude (degrees portion) for the cutting lot.                           |              |        |             |       |
| LATITUDE MIN MIN                                                                      | MINUTES      | Y      | NUMBER      | 2,0   |
| The minimum latitude (minutes portion) for the cutting lot.                           |              |        |             |       |
| LATITUDE SEC MIN                                                                      | SECONDS      | Y      | NUMBER      | 2,0   |
| The minimum latitude (seconds portion) for the seedlot.                               |              |        |             |       |
| LATITUDE DEG MAX                                                                      | LATITUDE     | Y      | NUMBER      | 2,0   |
| The maximum latitude (degrees portion) for the cutting lot.                           |              |        |             |       |
| LATITUDE MIN MAX                                                                      | MINUTES      | Y      | NUMBER      | 2,0   |
| The maximum latitude (minutes portion) for the cutting lot.                           |              |        |             |       |
| LATITUDE SEC MAX                                                                      | SECONDS      | Y      | NUMBER      | 2,0   |
| The maximum latitude (seconds portion) for the seedlot.                               |              |        |             |       |
| LONGITUDE DEGREES                                                                     | LONGITUDE    | Y      | NUMBER      | 3,0   |
| The logitude (degrees portion) for the Cutting Lot.                                   |              |        |             |       |
| LONGITUDE MINUTES                                                                     | MINUTES      | Y      | NUMBER      | 2,0   |
| The longitude (minutes portion) for the Cutting Lot.                                  |              |        |             |       |
| LONGITUDE SECONDS                                                                     | SECONDS      | Y      | NUMBER      | 2,0   |
| The longitude (seconds portion) for the Cutting Lot.                                  |              |        |             |       |
| <i>2005-03-14 R.A.Robb (PT#26063)</i>                                                 |              |        |             |       |
| <i>- Added for conformance with Chief Forester's Standards</i>                        |              |        |             |       |
| LONGITUDE DEG MIN                                                                     | LONGITUDE    | Y      | NUMBER      | 3,0   |
| LONGITUDE MIN MIN                                                                     | MINUTES      | Y      | NUMBER      | 2,0   |
| LONGITUDE SEC MIN                                                                     | SECONDS      | Y      | NUMBER      | 2,0   |
| LONGITUDE DEG MAX                                                                     | LONGITUDE    | Y      | NUMBER      | 3,0   |
| LONGITUDE MIN MAX                                                                     | MINUTES      | Y      | NUMBER      | 2,0   |
| LONGITUDE SEC MAX                                                                     | SECONDS      | Y      | NUMBER      | 2,0   |
| EFFECTIVE POP SIZE                                                                    |              | Y      | NUMBER      | 5,1   |
| The calculated number of parents contributing to the seed lot.                        |              |        |             |       |
| BIOTECH PROCESSES IND                                                                 |              | Y      | VARCHAR2    | 1     |
| Indicates if biotechnological processes been used to produce this lot.                |              |        |             |       |
| TOTAL PARENT TREES                                                                    |              | Y      | NUMBER      | 5     |
| Total number of parent trees.                                                         |              |        |             |       |
| APPROVED USERID                                                                       | AUDIT_USERID | Y      | VARCHAR2    | 30    |
| The userid of the individual that approved the Seed Lot's information.                |              |        |             |       |
| APPROVED TIMESTAMP                                                                    |              | Y      | DATE        |       |

| <b>Entity Name:</b> VEG LOT AUDIT (cont'd)                                                               |   | Short Name:  | VLAUD        |
|----------------------------------------------------------------------------------------------------------|---|--------------|--------------|
| The time and date a Veg Lot's information was approved.                                                  |   |              |              |
| DECLARED USERID                                                                                          | Y | VARCHAR2     | 30           |
| The userid of the individual that declares the following:                                                |   |              |              |
| - that the information is true and correct                                                               |   |              |              |
| - that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application |   |              |              |
| DECLARED TIMESTAMP                                                                                       | Y | DATE         |              |
| The date and time that the following were declared by the declarer:                                      |   |              |              |
| - that the information is true and correct                                                               |   |              |              |
| - that they are the owner of the lot or are authorized by the owner(s) to submit the Seedlot application |   |              |              |
| VEG LOT COMMENT                                                                                          | Y | VARCHAR2     | 2000         |
| A free format text field used to enter general comments for a veg lot.                                   |   |              |              |
| ENTRY USERID                                                                                             | N | VARCHAR2     | 30           |
| The userid of the individual that entered the Veg Lot..                                                  |   |              |              |
| 2004-02-23 R.A.Robb (PT#25601)                                                                           |   |              |              |
| - Added to enable auditing                                                                               |   |              |              |
| ENTRY TIMESTAMP                                                                                          |   | AUDIT_DATE   | N DATE       |
| The time and date a Veg Lot was entered onto the system.                                                 |   |              |              |
| 2004-02-23 R.A.Robb (PT#25601)                                                                           |   |              |              |
| - Added to enable auditing                                                                               |   |              |              |
| UPDATE USERID                                                                                            | N | VARCHAR2     | 30           |
| The userid of the individual that changed the Veg Lot.                                                   |   |              |              |
| 2004-02-23 R.A.Robb (PT#25601)                                                                           |   |              |              |
| - Added to enable auditing                                                                               |   |              |              |
| UPDATE TIMESTAMP                                                                                         |   | AUDIT_DATE   | N DATE       |
| The time and date a Veg Lot was last updated on the system.                                              |   |              |              |
| 2004-02-23 R.A.Robb (PT#25601)                                                                           |   |              |              |
| - Added to enable auditing                                                                               |   |              |              |
| REVISION COUNT                                                                                           |   | REVISION_CNT | N NUMBER 5,0 |
| A counter used to ensure data integrity. This item should be incremented during each update.             |   |              |              |
| * = Attributes in primary unique identifier.                                                             |   |              |              |

## Relationships:

### Each Occurrence Of This Entity:

MAY BE registration applied for one and only one CLIENT LOCATION

MAY BE described by one and only one COLLECTION LATITUDE CODE

MAY BE described by one and only one COLLECTION LONGITUDE CODE

MAY BE described by one and only one COLLECTION SOURCE CODE

MUST BE described by one and only one GENETIC CLASS CODE

MAY BE described by one and only one NAD DATUM CODE

MAY BE harvested from one and only one ORCHARD

MAY BE administered by one and only one ORG UNIT

MAY BE defines Maritime areas for one and only one SEED COAST AREA CODE

MAY BE parent trees from one and only one SEED PLAN UNIT

MAY BE describes natural stand collection area one and only one SEED PLAN ZONE CODE

MUST BE audit reason described by one and only one SPAR AUDIT CODE

MAY BE describes collection area one and only one SUPERIOR PROVENANCE

MAY BE class A source described by one and only one VEG LOT SOURCE CODE

MAY BE described by one and only one VEG LOT STATUS CODE

MAY BE has species one and only one VEGETATION CODE

|              |                        |             |       |
|--------------|------------------------|-------------|-------|
| Entity Name: | VEG LOT AUDIT (cont'd) | Short Name: | VLAUD |
|--------------|------------------------|-------------|-------|

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                  |         |   |
|------------------|---------|---|
| VEG_LOT_AUDIT_PK | Primary | Y |
| VEG LOT AUDIT ID |         |   |

Notes:

- 2005-02-14 R.A.Robb (PT#25601)  
-Added for Auditing
- 2005-03-14 R.A.Robb (PT#26063)  
- added LATITUDE\_SECONDS and LONGITUDE\_SECONDS to comply with Chief Forester's Standards
- 2006-07-08 R.A.Robb (Rls 3.0)  
- adjusted to match VEG LOT modifications

|                                            |                        |                     |                            |                          |
|--------------------------------------------|------------------------|---------------------|----------------------------|--------------------------|
| <b>Entity Name:</b> VEG LOT CHARACTERISTIC |                        |                     | <b>Short Name:</b>         | VLC                      |
| <b>Plural:</b>                             | VEG LOT CHARACTERISTIC |                     |                            |                          |
| <b>Init. Volume:</b>                       | 0                      | <b>Avg. Volume:</b> | 500                        | <b>Max. Volume:</b> 2000 |
|                                            |                        |                     | <b>Annual Growth Rate:</b> |                          |

Description:

Text which describes the general characteristics of the vegetative lot.

Attributes:

| <u>Name</u>                                                                                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * VEG_LOT_ID                                                                                                                              |               | N          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors. |               |            |               |               |
| * LINE_ID                                                                                                                                 |               | N          | NUMBER        | 5,0           |
| The identifier for a line of text which describes the general characteristics of the cutting lot.                                         |               |            |               |               |
| LOT_CHARACTERISTIC                                                                                                                        |               | Y          | VARCHAR2      | 75            |
| A line of text which describes the general characteristics of the cutting lot.                                                            |               |            |               |               |
| REVISION_COUNT                                                                                                                            | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                              |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                              |               |            |               |               |

Unique Identifiers:

|                           |         |   |
|---------------------------|---------|---|
| VEG_LOT_CHARACTERISTIC_PK | Primary | Y |
| VEG_LOT_ID                |         |   |
| LINE_ID                   |         |   |

**Entity Name:** VEG LOT GENETIC WORTH**Short Name:** VGW**Plural:** VEG LOT GENETIC WORTH**Init. Volume:** 250**Avg. Volume:** 100**Max. Volume:** 700**Annual Growth Rate:****Description:**

A subclassification of genetic quality for 'A' class seed lots.

**Attributes:**

| <u>Name</u>                                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| GENETIC WORTH RTNG                                                              |               | N          | NUMBER        | 5,0           |
| The rating for a subclassification of genetic quality for 'A' class seed lots.  |               |            |               |               |
| ENTRY USERID                                                                    |               | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the Veg Lot Genetic Worth.            |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                  |               |            |               |               |
| - Added to enable auditing                                                      |               |            |               |               |
| ENTRY TIMESTAMP                                                                 | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Veg Lot Genetic Worth was entered onto the system.          |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                  |               |            |               |               |
| - Added to enable auditing                                                      |               |            |               |               |
| UPDATE USERID                                                                   |               | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the Veg Lot Genetic Worth.            |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                  |               |            |               |               |
| - Added to enable auditing                                                      |               |            |               |               |
| UPDATE TIMESTAMP                                                                | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Veg Lot Genetic Worth was last updated on the system.       |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                  |               |            |               |               |
| - Added to enable auditing                                                      |               |            |               |               |
| REVISION COUNT                                                                  | REVISION_CNT  | N          | NUMBER        | 5,0           |
| Internal counter used by the system to avoid conflicting updates to the record. |               |            |               |               |
| * = Attributes in primary unique identifier.                                    |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

- \* MUST BE is described by one and only one GENETIC WORTH CODE
- \* MUST BE defines productivity for one and only one VEG LOT
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

VEG\_LOT\_GENETIC\_WORTH\_PK      Primary   Y

MUST BE defines productivity for one and only one VEG LOT

MUST BE is described by one and only one GENETIC WORTH CODE

**Notes:**

2005-02-14 R.A.Robb (PT#25601)

-Added ENTRY USERID, ENTRY TIMESTAMP, UPDATE USERID, UPDATE TIMESTAMP in conjunction with adding VEG LOT GENETIC WORTH AUDIT entity

**Entity Name:** VEG LOT GENETIC WORTH AUDIT**Short Name:** VLGWA**Plural:** VEG LOT GENETIC WORTH AUDITS**Init. Volume:** 250**Avg. Volume:** 100**Max. Volume:** 700**Annual Growth Rate:****Description:**

Captures modifications to VEG LOT GENETIC WORTH.

**Attributes:**

| <u>Name</u>                                                                                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * VEG_LOT_GENETIC_WORTH_AUDIT_ID                                                                                                          |               | N          | NUMBER        | 10            |
| A unique sequence to identify an audited Veg Lot Genetic Worth instance.                                                                  |               |            |               |               |
| AUDIT_DATE                                                                                                                                |               | N          | DATE          |               |
| The date and time the audit record was created.                                                                                           |               |            |               |               |
| VEG_LOT_ID                                                                                                                                |               | N          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors. |               |            |               |               |
| GENETIC_WORTH_RTNG                                                                                                                        |               | N          | NUMBER        | 5,0           |
| The rating for a subclassification of genetic quality for 'A' class seed lots.                                                            |               |            |               |               |
| ENTRY_USERID                                                                                                                              |               | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the Veg Lot Genetic Worth.                                                                      |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                            |               |            |               |               |
| - Added to enable auditing                                                                                                                |               |            |               |               |
| ENTRY_TIMESTAMP                                                                                                                           | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Veg Lot Genetic Worth was entered onto the system.                                                                    |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                            |               |            |               |               |
| - Added to enable auditing                                                                                                                |               |            |               |               |
| UPDATE_USERID                                                                                                                             |               | N          | VARCHAR2      | 30            |
| The userid of the individual that changed the Veg Lot Genetic Worth.                                                                      |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                            |               |            |               |               |
| - Added to enable auditing                                                                                                                |               |            |               |               |
| UPDATE_TIMESTAMP                                                                                                                          | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Veg Lot Genetic Worth was last updated on the system.                                                                 |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                            |               |            |               |               |
| - Added to enable auditing                                                                                                                |               |            |               |               |
| REVISION_COUNT                                                                                                                            | REVISION_CNT  | N          | NUMBER        | 5,0           |
| Internal counter used by the system to avoid conflicting updates to the record.                                                           |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                              |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE is described by one and only one GENETIC WORTH CODE

MUST BE audit reason described by one and only one SPAR AUDIT CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

VEG\_LOT\_GENETIC\_WORTH\_AUDIT\_ID Primary Y

VEG\_LOT\_GENETIC\_WORTH\_AUDIT\_ID

**Notes:**

2005-02-14 R.A.Robb (PT#25601)

-Added for Auditing

|                                      |                     |                     |                            |
|--------------------------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b> VEG LOT GEOMETRY |                     |                     | <b>Short Name:</b> VLGEOM  |
| <b>Plural:</b>                       | VEG LOT GEOMETRY    |                     |                            |
| <b>Init. Volume:</b>                 | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

**Description:**

Captures the location (point) in the Province where a Veg Lot from a Natural Stand (i.e. Genetic Class = 'B') was collected. The point is generated from the Veg Lot's collection latitude and longitude, to the second.

**Attributes:**

| <u>Name</u>                                                                                                                                               | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| GEOMETRY                                                                                                                                                  |                 | N          | IMAGE         |               |
| Spatial information describing the Veg Lot's source (point) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only. |                 |            |               |               |
| ENTRY USERID                                                                                                                                              | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.                                                             |                 |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                           | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                      |                 |            |               |               |
| UPDATE USERID                                                                                                                                             | AUDIT_USERID    | N          | VARCHAR2      | 30            |
| The Userid associated with adding, approving or updating the changes to an associated record.                                                             |                 |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                          | AUDIT_TIMESTAMP | N          | DATE          |               |
| The Date and Time associated with adding, approving or updating the changes to an associated record.                                                      |                 |            |               |               |
| REVISION COUNT                                                                                                                                            | REVISION_CNT    | N          | NUMBER        | 5,0           |
| A counter to ensure data integrity. This item should be incremented during each update.                                                                   |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                              |                 |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MAY BE described by one and only one CORP CAPTURE METHOD

MAY BE described by one and only one DATA SOURCE CODE

MUST BE feature type described by one and only one FEATURE CLASS

\* MUST BE defines source location for one and only one VEG LOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|        |         |   |
|--------|---------|---|
| VLGEOM | Primary | Y |
|--------|---------|---|

MUST BE defines source location for one and only one VEG LOT

|                                      |                  |                     |                            |                          |
|--------------------------------------|------------------|---------------------|----------------------------|--------------------------|
| <b>Entity Name:</b> VEG LOT HERITAGE |                  |                     | <i>Short Name:</i>         | VH                       |
| <i>Plural:</i>                       | VEG LOT HERITAGE |                     |                            |                          |
| <i>Init. Volume:</i>                 | 500              | <i>Avg. Volume:</i> | 100                        | <i>Max. Volume:</i> 1000 |
|                                      |                  |                     | <i>Annual Growth Rate:</i> |                          |

**Description:**

The parental relationship between vegetative lot or seedlot as parent and vegetative lot as child. Resolves the many to many relationship between vegetative lots and between vegetative and seed lots.

**Attributes:**

| <u>Name</u>                                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * PARENT_LOT_IND                                                                             |               | N          | VARCHAR2      | 1             |
| An indication of whether the parent lot number is a seedlot or a vegetative lot.             |               |            |               |               |
| Values are S or V                                                                            |               |            |               |               |
| REVISION_COUNT                                                                               | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                 |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

- \* MUST BE describes parent one and only one SEEDLOT
- \* MUST BE describes child one and only one VEG LOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                                   |         |   |
|---------------------------------------------------|---------|---|
| VEG_LOT_HERITAGE_PK                               | Primary | Y |
| MUST BE describes child one and only one VEG LOT  |         |   |
| PARENT_LOT_IND                                    |         |   |
| MUST BE describes parent one and only one SEEDLOT |         |   |

**Entity Name:** VEG LOT OWNER QUANTITY**Short Name:** VLOQ**Plural:** VEG LOT OWNER QUANTITY**Init. Volume:** 1000**Avg. Volume:** 2000**Max. Volume:** 10000**Annual Growth Rate:****Description:**

The amount of surplus cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Planned.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                          | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * CUTTING_PRDCTN_YEAR                                                                                                                                                                                                                | YEARS         | N NUMBER                 | 4,0           |
| The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.                                                                                                        |               |                          |               |
| ORIGINAL_PCT_OWNED                                                                                                                                                                                                                   |               | Y NUMBER                 | 4,1           |
| The original percentage of cuttings owned by a client.                                                                                                                                                                               |               |                          |               |
| ORIGINAL_PCT_RSRVD                                                                                                                                                                                                                   |               | Y NUMBER                 | 4,1           |
| The original percentage of cuttings from an owner's portion of a veg lot that has been declared surplus.                                                                                                                             |               |                          |               |
| ORIGINAL_PCT_SRPLS                                                                                                                                                                                                                   |               | Y NUMBER                 | 4,1           |
| The original percentage of cuttings from an owner's portion of a veg lot that has been declared surplus.                                                                                                                             |               |                          |               |
| ROOTING_SUCCESS_FCTR                                                                                                                                                                                                                 |               | N NUMBER                 | 5,0           |
| The percentage of total cuttings that are expected to produce acceptable rooted seedlings.                                                                                                                                           |               |                          |               |
| EST_QTY_RESERVED                                                                                                                                                                                                                     |               | N NUMBER                 | 7,1           |
| The estimated number of cuttings of a particular age class that will be harvested from a cutting lot in a given year that has been declared reserved. Reserved amounts are only available for use by the owner agency.               |               |                          |               |
| QTY_RSRVD_CMTD_PLN                                                                                                                                                                                                                   |               | N NUMBER                 | 7,1           |
| The amount of reserved cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Planned.                                                                                                       |               |                          |               |
| QTY_RSRVD_CMTD_APR                                                                                                                                                                                                                   |               | N NUMBER                 | 7,1           |
| The amount of reserved cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Approved.                                                                                                      |               |                          |               |
| EST_QTY_SURPLUS                                                                                                                                                                                                                      |               | N NUMBER                 | 7,1           |
| The estimated number of cuttings of a particular age class that will be harvested from a cutting lot in a given year that has been declared surplus. Surplus amounts are available for use by anyone within the current sowing year. |               |                          |               |
| QTY_SRPLS_CMTD_PLN                                                                                                                                                                                                                   |               | N NUMBER                 | 7,1           |
| The amount of surplus cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Planned.                                                                                                        |               |                          |               |
| QTY_SRPLS_CMTD_APR                                                                                                                                                                                                                   |               | N NUMBER                 | 7,1           |
| The amount of surplus cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Approved.                                                                                                       |               |                          |               |
| REVISION_COUNT                                                                                                                                                                                                                       | REVISION_CNT  | N NUMBER                 | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                                                                                                                         |               |                          |               |

\* = Attributes in primary unique identifier.

**Relationships:****Each Occurrence Of This Entity:**

- \* MUST BE is owned by one and only one CLIENT LOCATION
- MUST BE is described by one and only one CUTTING\_AGE\_CLASS\_CODE
- MAY BE is adjusted by one or more REQUEST VEGLOT
- \* MUST BE owned by one and only one VEG LOT
- MAY BE is adjusted by one or more VEG LOT TRANSACTION

**Entity Name:** VEG LOT OWNER QUANTITY (cont'd)

Short Name:

VLOQ

*\* = Relationships in primary unique identifier.***Unique Identifiers:**

VEG\_LOT\_OWNER\_QUANTITY\_PK    Primary   Y

*MUST BE owned by one and only one VEG LOT**MUST BE is owned by one and only one CLIENT LOCATION**CUTTING\_PRDCTN\_YEAR***Notes:**

2006-07-08 R.A.Robb (Rls 3.0)

- added ORIGINAL PCT OWNED, ORIGINAL PCT RSRVD, ORIGINAL PCT SRPLS

|                                         |                      |                     |                            |      |
|-----------------------------------------|----------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> VEG LOT PARENT TREE |                      |                     | <b>Short Name:</b>         | VLPT |
| <b>Plural:</b>                          | VEG LOT PARENT TREES |                     |                            |      |
| <b>Init. Volume:</b>                    | <b>Avg. Volume:</b>  | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |

*Description:*

Manages the association between Veg Lots and Parent Trees.

*Attributes:*

| <u>Name</u>                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CUTTING_PRDCTN_YEAR                                                                                                         | YEARS         | N          | NUMBER        | 4,0           |
| The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years. |               |            |               |               |
| ESTIMATED CUTTINGS                                                                                                            |               | N          | NUMBER        | 10,0          |
| REVISION COUNT                                                                                                                |               | N          | NUMBER        | 5,0           |
| * = Attributes in primary unique identifier.                                                                                  |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

- \* MUST BE is composed of one and only one PARENT TREE
- \* MUST BE defines composition of one and only one PARENT TREE ORCHARD
- \* MUST BE defines composition for one and only one VEG LOT

MAY BE compose of one or more VEG LOT PARENT TREE GEN QLTY

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|      |         |   |
|------|---------|---|
| VLPT | Primary | Y |
|------|---------|---|

MUST BE defines composition for one and only one VEG LOT

CUTTING\_PRDCTN\_YEAR

MUST BE defines composition of one and only one PARENT TREE ORCHARD

MUST BE is composed of one and only one PARENT TREE

*Notes:*

PARENT TREE SUBSYSTEM

**Entity Name:** VEG LOT PARENT TREE GEN QLTY**Short Name:** VLPTGQ**Plural:** VEG LOT PARENT TREE GEN QLTY**Init. Volume:**      **Avg. Volume:**      **Max. Volume:**      **Annual Growth Rate:****Description:****Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| GENETIC QUALITY VALUE                                                                                                                                                                                                                                                                              |               | N          | NUMBER        | 4,1           |
| ESTIMATED IND                                                                                                                                                                                                                                                                                      |               | N          | VARCHAR2      | 1             |
| Indicates whether or not the test result was estimated. A Genetic Quality value of 2.0 is estimated for Untested Parent Trees (i.e. Parent Trees without an Area of Use) or for Tested Parent Trees (i.e. Parent Trees with an Area of Use) without a Genetic Quality value for the desired Trait. |               |            |               |               |
| UNTESTED_IND                                                                                                                                                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| Indicates whether or not the test result was estimated for an untested Parent Tree.                                                                                                                                                                                                                |               |            |               |               |
| REVISION_COUNT                                                                                                                                                                                                                                                                                     |               | N          | NUMBER        | 5             |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

- \* MUST BE test result is of type one and only one GENETIC TYPE CODE
- \* MUST BE described by one and only one GENETIC WORTH CODE
- MAY BE tested in one and only one SEED PLAN UNIT
- \* MUST BE defines test results for one and only one VEG LOT PARENT TREE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

VLPTGQ      Primary   Y

MUST BE defines test results for one and only one VEG LOT PARENT TREE

MUST BE test result is of type one and only one GENETIC TYPE CODE

MUST BE described by one and only one GENETIC WORTH CODE

**Notes:**

2005-09-15 R.A.Robb

- changed relationship to SEED PLAN UNI to optional to allow for untested parent trees with no area of use as per Chief Forester's Standards

**Entity Name:** VEG LOT PLAN ZONE**Short Name:** VLPZ**Plural:** VEG LOT PLAN ZONE**Init. Volume:** 1000**Avg. Volume:** 200**Max. Volume:** 2000**Annual Growth Rate:****Description:**

An approved seed planning zone for which a given cutting lot can be used.

**Attributes:**

| <u>Name</u>  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------|---------------|------------|---------------|---------------|
| PRIMARY IND  |               | Y          | VARCHAR2      | 1             |
| ENTRY USERID |               | N          | VARCHAR2      | 30            |

The userid of the individual that entered the Veg Lot Plan Zone.

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|                 |            |   |      |  |
|-----------------|------------|---|------|--|
| ENTRY TIMESTAMP | AUDIT_DATE | N | DATE |  |
|-----------------|------------|---|------|--|

The time and date a Veg Lot Plan Zone was entered onto the system.

2004-02-23 R.A.Robb (PT#25601)

- Added to enable auditing

|                |              |   |        |     |
|----------------|--------------|---|--------|-----|
| REVISION COUNT | REVISION_CNT | N | NUMBER | 5,0 |
|----------------|--------------|---|--------|-----|

A counter used to ensure data integrity. This item should be incremented during each update.

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

\* MUST BE contains a code for one and only one SEED PLAN ZONE CODE

\* MUST BE defines area of use for one and only one VEG LOT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                      |         |   |
|----------------------|---------|---|
| VEG_LOT_PLAN_ZONE_PK | Primary | Y |
|----------------------|---------|---|

MUST BE defines area of use for one and only one VEG LOT

MUST BE contains a code for one and only one SEED PLAN ZONE CODE

**Notes:**

2005-02-14 R.A.Robb (PT#25601)

-Added ENTRY USERID, ENTRY TIMESTAMP in conjunction with adding VEG LOT PLAN ZONE AUDIT entity

**Entity Name:** VEG LOT PLAN ZONE AUDIT**Short Name:** VLPZA**Plural:** VEG\_LOT\_PLAN\_ZONE\_AUDITS**Init. Volume:** 1000**Avg. Volume:** 200**Max. Volume:** 2000**Annual Growth Rate:****Description:**

Audits modifications to VEG LOT PLAN ZONE.

**Attributes:**

| <u>Name</u>                                                                                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * VEG_LOT_PLAN_ZONE_AUDIT_ID                                                                                                              |               | N          | NUMBER        | 10            |
| A unique sequence to identify an audited Veg Lot Plan Zone instance.                                                                      |               |            |               |               |
| AUDIT_DATE                                                                                                                                |               | N          | DATE          |               |
| The date and time the audit record was created.                                                                                           |               |            |               |               |
| VEG_LOT_ID                                                                                                                                |               | N          | VARCHAR2      | 5             |
| The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors. |               |            |               |               |
| PRIMARY_IND                                                                                                                               |               | Y          | VARCHAR2      | 1             |
| ENTRY_USERID                                                                                                                              |               | N          | VARCHAR2      | 30            |
| The userid of the individual that entered the Veg Lot Plan Zone.                                                                          |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                            |               |            |               |               |
| - Added to enable auditing                                                                                                                |               |            |               |               |
| ENTRY_TIMESTAMP                                                                                                                           | AUDIT_DATE    | N          | DATE          |               |
| The time and date a Veg Lot Plan Zone was entered onto the system.                                                                        |               |            |               |               |
| 2004-02-23 R.A.Robb (PT#25601)                                                                                                            |               |            |               |               |
| - Added to enable auditing                                                                                                                |               |            |               |               |
| REVISION_COUNT                                                                                                                            | REVISION_CNT  | N          | NUMBER        | 5,0           |
| A counter used to ensure data integrity. This item should be incremented during each update.                                              |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                              |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE contains a code for one and only one SEED PLAN ZONE CODE

MUST BE described by one and only one SEED PLAN ZONE CODE

MUST BE audit reason described by one and only one SPAR AUDIT CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

VEG\_LOT\_PLAN\_ZONE\_AUDIT\_PK Primary Y

VEG\_LOT\_PLAN\_ZONE\_AUDIT\_ID

**Notes:**

2005-02-14 R.A.Robb (PT#25601)

-Added for Auditing

|                                         |                     |                     |                            |       |
|-----------------------------------------|---------------------|---------------------|----------------------------|-------|
| <b>Entity Name:</b> VEG LOT SOURCE CODE |                     |                     | <b>Short Name:</b>         | VLSCD |
| <b>Plural:</b>                          | VEG LOT SOURCE CODE |                     |                            |       |
| <b>Init. Volume:</b>                    | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |       |

Description:

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| DESCRIPTION                                  |               | N          | VARCHAR2      | 120           |
| EFFECTIVE DATE                               |               | N          | DATE          |               |
| EXPIRY DATE                                  |               | N          | DATE          |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| * VEG LOT SOURCE CODE                        |               | N          | VARCHAR2      | 3             |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more VEG LOT

MAY BE describes one or more VEG\_LOT\_AUDIT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                     |         |   |
|---------------------|---------|---|
| VLSCD               | Primary | Y |
| VEG LOT SOURCE CODE |         |   |

|                                         |                     |                     |                            |
|-----------------------------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b> VEG LOT STATUS CODE |                     | <b>Short Name:</b>  | VLSTCD                     |
| <b>Plural:</b>                          | VEG LOT STATUS CODE |                     |                            |
| <b>Init. Volume:</b>                    | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Attributes:

| <u>Name</u>           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------|---------------|------------|---------------|---------------|
| * VEG LOT STATUS CODE |               | N          | VARCHAR2      | 3             |
| DESCRIPTION           |               | N          | VARCHAR2      | 120           |
| EFFECTIVE DATE        |               | N          | DATE          |               |
| EXPIRY DATE           |               | N          | DATE          |               |
| UPDATE TIMESTAMP      |               | N          | DATE          |               |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE describes one or more VEG LOT
  - MAY BE describes one or more VEG\_LOT\_AUDIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                     |         |   |
|---------------------|---------|---|
| VLSCD               | Primary | Y |
| VEG LOT STATUS CODE |         |   |

**Entity Name:** VEG LOT TRANSACTION*Short Name:*

VLT

*Plural:* VEG LOT TRANSACTION*Init. Volume:* 0*Avg. Volume:* 1000*Max. Volume:* 5000*Annual Growth Rate:***Description:**

A listing of all transactions affecting the owned quantity of cuttings produced.

**Attributes:**

| <u>Name</u>                                                                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * VEG LOT TRANSACTION ID                                                                                                                       |               | N          | NUMBER        | 10            |
| 2006-07-07 R.A.Robb (Rls 3.0)                                                                                                                  |               |            |               |               |
| - added                                                                                                                                        |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                | AUDIT_DATE    | N          | DATE          |               |
| A system generated date and time that records when the adjustment took place.                                                                  |               |            |               |               |
| ENTRY USERID                                                                                                                                   | AUDIT_USERID  | N          | VARCHAR2      | 30            |
| The system user identification of the individual that made the adjustment.                                                                     |               |            |               |               |
| CHANGE IN RESERVE                                                                                                                              |               | N          | NUMBER        | 7,1           |
| The actual amount that was added to or subtracted from the balance of an owner's portion of reserved cuttings.                                 |               |            |               |               |
| CHANGE IN SURPLUS                                                                                                                              |               | N          | NUMBER        | 7,1           |
| The actual amount that was added to or subtracted from the balance of an owner's portion of surplus cuttings.                                  |               |            |               |               |
| REFERENCE DESC                                                                                                                                 |               | Y          | VARCHAR2      | 50            |
| A description of the key assigned to a transaction that affects the quantity of cuttings on hand only for an owner's portion of a cutting lot. |               |            |               |               |
| TRNSCTN COMMENT                                                                                                                                |               | Y          | VARCHAR2      | 50            |
| General free-format text.                                                                                                                      |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                   |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE used by one and only one CLIENT LOCATION

MAY BE is satisfied by one and only one REQUEST ITEM

MUST BE is adjusted against one and only one VEG LOT OWNER QUANTITY

MUST BE is described by one and only one VEG LOT TRANSACTION CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

VEG\_LOT\_TRANSACTION\_PK      Primary   Y

VEG LOT TRANSACTION ID

**Notes:**

2006-07-08 R.A.Robb (Rls 3.0)

- removed relationship to CUTTING\_AGE\_CLASS\_CODE

- PK changed as per DA (B. Holland) to remove \_MS (milliseconds) column

- cleanup

|                      |                          |                     |                            |                     |      |
|----------------------|--------------------------|---------------------|----------------------------|---------------------|------|
| <b>Entity Name:</b>  | VEG LOT TRANSACTION CODE |                     |                            | <b>Short Name:</b>  | VLTC |
| <b>Plural:</b>       | VEG LOT TRANSACTION CODE |                     |                            |                     |      |
| <b>Init. Volume:</b> | 50                       | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250  |
|                      |                          |                     | <b>Annual Growth Rate:</b> |                     |      |

**Description:**  
A list of valid Lot Transaction Codes.

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * VEG_LOT_TRANSACTION_CODE                   |               | N          | VARCHAR2      | 3             |
| A code describing various Lot Transactions.  |               |            |               |               |
| DESCRIPTION                                  | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.       |               |            |               |               |
| EFFECTIVE_DATE                               | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.    |               |            |               |               |
| EXPIRY_DATE                                  | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                |               |            |               |               |
| UPDATE_TIMESTAMP                             |               | N          | DATE          |               |
| The date and time of the last update.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:

MAY BE contains a code for one or more VEG LOT TRANSACTION  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                            |         |   |
|----------------------------|---------|---|
| VEG_LOT_TRANSACTION_CODE_P | Primary | Y |
| VEG_LOT_TRANSACTION_CODE   |         |   |

|                      |                 |                     |                            |                     |     |
|----------------------|-----------------|---------------------|----------------------------|---------------------|-----|
| <b>Entity Name:</b>  | VEGETATION CODE |                     |                            | <b>Short Name:</b>  | VC  |
| <b>Plural:</b>       | VEGETATION CODE |                     |                            |                     |     |
| <b>Init. Volume:</b> | 50              | <b>Avg. Volume:</b> | 5                          | <b>Max. Volume:</b> | 250 |
|                      |                 |                     | <b>Annual Growth Rate:</b> |                     |     |

Description:

A list of valid Vegetation Species Codes.

Attributes:

| <u>Name</u>                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------|---------------|------------|---------------|---------------|
| * VEGETATION CODE                             |               | N          | VARCHAR2      | 8             |
| A code describing various Vegetation Species. |               |            |               |               |
| DESCRIPTION                                   | DESCRIPTION   | N          | VARCHAR2      | 120           |
| A description for the affiliated code.        |               |            |               |               |
| EFFECTIVE DATE                                | AUDIT_DATE    | N          | DATE          |               |
| The effective date the code is in effect.     |               |            |               |               |
| EXPIRY DATE                                   | AUDIT_DATE    | N          | DATE          |               |
| The date the code expires on.                 |               |            |               |               |
| UPDATE TIMESTAMP                              |               | N          | DATE          |               |
| The date and time of the last update.         |               |            |               |               |
| * = Attributes in primary unique identifier.  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE describes species for one or more PARENT TREES
- MAY BE describes species for one or more RESEARCH TESTS
- MAY BE plants one or more SEED PLAN ZONE
- MAY BE defines species for one or more SEEDLOT
- MAY BE describes one or more SOWING RULE FACTOR
- MAY BE to one or more SUPERIOR PROVENANCE
- MAY BE describes one or more TRANSFER\_LIMIT
- MAY BE defines species for one or more VEG LOT
- MAY BE defines species for one or more VEG\_LOT\_AUDIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| VEGETATION_CODE_PK | Primary | Y |
| VEGETATION CODE    |         |   |

**Entity Name:** WORKPLAN\_NURSERY*Short Name:*

WN1

*Plural:* WORKPLAN\_NURSERY*Init. Volume:* 50*Avg. Volume:* 10*Max. Volume:* 100*Annual Growth Rate:***Description:**

Association to standard worplan idneitifies that a workplan is suitable for the identified nursery preparation requirements.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STANDARD_WORKPLAN_SKEY                                                                                                                                                                                                           |               | N          | NUMBER        | 10,0          |
| A unique identifier specifying the specific worplan in question.                                                                                                                                                                   |               |            |               |               |
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 8             |
| A sequentially assigned number which uniquely identifies a Ministry client.                                                                                                                                                        |               |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE is for the nursery owned by one and only one CLIENT LOCATION

MUST BE is identified by one and only one STANDARD\_WORKPLAN

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

WORKPLAN\_NURSERY\_PK                      Primary   Y

STANDARD\_WORKPLAN\_SKEY

CLIENT\_NUMBER

CLIENT\_LOCN\_CODE

|                      |                  |                            |     |
|----------------------|------------------|----------------------------|-----|
| <b>Entity Name:</b>  | WORKPLAN_SERVICE | <b>Short Name:</b>         | WS  |
| <b>Plural:</b>       | WORKPLAN_SERVICE |                            |     |
| <b>Init. Volume:</b> | 100              | <b>Avg. Volume:</b>        | 50  |
|                      |                  | <b>Max. Volume:</b>        | 500 |
|                      |                  | <b>Annual Growth Rate:</b> |     |

*Description:*

Defines the list of services that will be performed for a workplan.

*Attributes:*

| <u>Name</u>                                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STANDARD_WORKPLAN_SKEY                                                                  |               | N          | NUMBER        | 10,0          |
| A surrogate key which uniquely identifies a standard workplan.                            |               |            |               |               |
| * SEED_SERVICE_CODE                                                                       |               | N          | VARCHAR2      | 3             |
| A code which represents the type of service which is being requested to be performed.     |               |            |               |               |
| SEQUENCE_NO                                                                               |               | N          | NUMBER        | 5,0           |
| An assigned value which is used to order the services being requested in a certain order. |               |            |               |               |
| * = Attributes in primary unique identifier.                                              |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MUST BE is described by one and only one SEED SERVICE CODE

MUST BE is identified by one and only one STANDARD\_WORKPLAN

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                        |         |   |
|------------------------|---------|---|
| WORKPLAN_SERVICE_PK    | Primary | Y |
| STANDARD_WORKPLAN_SKEY |         |   |
| SEED_SERVICE_CODE      |         |   |

|                                      |  |                        |                        |                         |
|--------------------------------------|--|------------------------|------------------------|-------------------------|
| <b>Entity Name:</b> WORKPLAN_SPECIES |  |                        | <i>Short Name:</i> WS1 |                         |
| <i>Plural:</i> WORKPLAN_SPECIES      |  |                        |                        |                         |
| <i>Init. Volume:</i> 50              |  | <i>Avg. Volume:</i> 10 |                        | <i>Max. Volume:</i> 100 |
| <i>Annual Growth Rate:</i>           |  |                        |                        |                         |

*Description:*

Association to Standard Workplan identifies that a workplan is suitable for the identified species preparation requirements.

*Attributes:*

| <u>Name</u>                                                                                                                      | <u>Domain</u>   | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------------|---------------|
| * STANDARD_WORKPLAN_SKEY                                                                                                         |                 | N          | NUMBER        | 10,0          |
| A surrogate key which uniquely identifies a standard workplan.                                                                   |                 |            |               |               |
| * VEGETATION_CODE                                                                                                                | VEGETATION_CODE | N          | VARCHAR2      | 8             |
| A code which represents a species of tree or brush. A blank represents that the associated workplan is suitable for all species. |                 |            |               |               |
| * = Attributes in primary unique identifier.                                                                                     |                 |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MUST BE is identified by one and only one STANDARD\_WORKPLAN

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                        |         |   |
|------------------------|---------|---|
| WORKPLAN_SPECIES_PK    | Primary | Y |
| STANDARD_WORKPLAN_SKEY |         |   |
| VEGETATION_CODE        |         |   |

|                                        |                    |                     |                            |                         |
|----------------------------------------|--------------------|---------------------|----------------------------|-------------------------|
| <b>Entity Name:</b> WORKPLAN_TEST_TYPE |                    |                     | <i>Short Name:</i>         | WTT                     |
| <i>Plural:</i>                         | WORKPLAN_TEST_TYPE |                     |                            |                         |
| <i>Init. Volume:</i>                   | 100                | <i>Avg. Volume:</i> | 50                         | <i>Max. Volume:</i> 500 |
|                                        |                    |                     | <i>Annual Growth Rate:</i> |                         |

*Description:*

Association to Standard Workplan identifies that a workplan is suitable for the identified test type preparation requirements.

*Attributes:*

| <u>Name</u>                                                                                                                                                     | <u>Domain</u>     | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|---------------|---------------|
| * STANDARD_WORKPLAN_SKEY                                                                                                                                        |                   | N          | NUMBER        | 10,0          |
| A surrogate key which uniquely identifies a standard workplan.                                                                                                  |                   |            |               |               |
| * SEEDLOT_TEST_CODE                                                                                                                                             | SEEDLOT_TEST_CODE | N          | VARCHAR2      | 3             |
| A code which represents the type of test that was performed against a seed lot. A blank represents that the associated workplan is suitable for all test types. |                   |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                    |                   |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MUST BE is described by one and only one SEEDLOT TEST CODE

MUST BE is identified by one and only one STANDARD\_WORKPLAN

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                        |         |   |
|------------------------|---------|---|
| WORKPLAN_TEST_TYPE_PK  | Primary | Y |
| STANDARD_WORKPLAN_SKEY |         |   |
| SEEDLOT_TEST_CODE      |         |   |

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