

Entity and Attribute Definitions Report

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Total Pages: 288
Total Entities: 225

Parameters

<i>Application:</i>	SPAR
<i>Entities:</i>	%
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<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
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Entity Name: 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

Entity Name: 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		N	VARCHAR2	3
A code describing various Account 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 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		

Entity Name: 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		

Entity Name: 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

Entity Name:	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.				
VIALE_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

Entity Name: 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>		

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

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

Entity Name:	BILLING ITEM ACTIVITY			Short Name:	BIA
Plural:	BILLING ITEM ACTIVITY				
Init. Volume:	200	Avg. Volume:	50	Max. Volume:	500
			Annual Growth Rate:		

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		

Entity Name:	BILLING ITEM DISC			Short Name:	BID
Plural:	BILLING ITEM DISC				
Init. Volume:	10	Avg. Volume:	5	Max. Volume:	50
			Annual Growth Rate:		

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

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				
* 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

Entity Name: BILLING ITEM PRICE				Short Name:	BIP
Plural:	BILLING ITEM PRICE				
Init. Volume:	100	Avg. Volume:	25	Max. Volume:	500
				Annual Growth Rate:	

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

Entity Name: BILLING OBLIGATION				Short Name:	BO
Plural:	BILLING OBLIGATION				
Init. Volume:	0	Avg. Volume:	120000	Max. Volume:	500000
				Annual Growth Rate:	

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		

Entity Name: BREEDING PROGRAM		Short Name:	BPPT
Plural:	BREEDING PROGAMS		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:
Subtype of:	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

Entity Name: 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

Entity Name: CAVITIES BLOCK			Short Name:	CB
Plural:	CAVITIES BLOCK			
Init. Volume:	20	Avg. Volume:	2	Max. Volume: 30
			Annual Growth Rate:	

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		

Entity Name: 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 codeassociated 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

Entity Name: 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

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

Entity Name: CNSR022		Short Name: 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.*

Entity Name: CNSR023			Short Name:	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.

Entity Name: CNSR090		Short Name: 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

Entity Name: CNSR093		Short Name: 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.				

Entity Name: CNSR111		Short Name: 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.

Entity Name: 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		

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

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		

Entity Name: 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		

Entity Name: COLLECTION LATITUDE CODE			<i>Short Name:</i>	CLC
<i>Plural:</i>	COLLECTION LATITUDE 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 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		

Entity Name:	COLLECTION LONGITUDE CODE			Short Name:	CLC1
Plural:	COLLECTION LONGITUDE 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>
* 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		

Entity Name: COLLECTION SOURCE CODE			<i>Short Name:</i>	CSC2
<i>Plural:</i>	COLLECTION SOURCE 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 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

Entity Name:	CONE COLLECTION METHOD CODE			Short Name:	CCMC
Plural:	CONE COLLECTION METHOD CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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		

Entity Name: 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

Entity Name:	CUTTING_AGE_CLASS_CODE	Short Name:	CACC
Plural:	CUTTING_AGE_CLASS_CODE		
Init. Volume:	50	Avg. Volume:	5
		Max. Volume:	250
		Annual Growth Rate:	

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		

Short Name: DSCD

Init. Volume: Avg. Volume:

Annual Growth Rate:

DATA SOURCE CODE

Entity Name: 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. 2006-03-20 R.A.Robb (Rls 02_06_00) - 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. * = 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.

Entity Name: EXCEPTION CAUSE CODE			<i>Short Name:</i>	ECC
<i>Plural:</i>	EXCEPTION CAUSE 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 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
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* = 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		

Entity Name: EXPECTED SHIPMENT RECEIPT*Short Name:*

ESR

Plural: EXPECTED SHIPMENT RECEIPT*Init. Volume:* 0*Avg. Volume:* 500*Max. Volume:* 2500*Annual Growth Rate:***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

Entity Name:	EXPECTED SHIPMENT RECEIPT (cont'd)	<i>Short Name:</i>	ESR
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The phone number of the contact assoicated with the shipment.

SHIPMENT_COMMENT	Y	VARCHAR2	150
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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
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CLIENT_NUMBER
CLIENT_LOCN_CODE
ARRIVAL_DATE
ARRIVAL_TIME_CODE
CONE_IND

Entity Name:	FACILITY CODE	<i>Short Name:</i>	FC
<i>Plural:</i>	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 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		

Entity Name: 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	Primary	Y
FEATURE CLASS SKEY		

Entity Name: FOREST CLIENT			Short Name:	FC1
Plural:	FOREST CLIENT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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:

Name	Domain	Opt	Format	Length
* 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)	<i>Short Name:</i>	FI
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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		

Entity Name: GAMETIC MTHD CODE			<i>Short Name:</i>	GCMC
<i>Plural:</i>	GAMETIC MTHD CODE			
<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>
* 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		

Entity Name:	GENETIC CLASS CODE			Short Name:	GCC
Plural:	GENETIC CLASS CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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

Entity Name: GENETIC TYPE CODE			Short Name:	GTCD
Plural:	GENETIC TYPE CODES			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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

Entity Name: GENETIC WORTH CODE			Short Name:	GWC
Plural:	GENETIC WORTH CODE			
Init. Volume:	50	Avg. Volume:	5	Max. Volume: 250
			Annual Growth Rate:	

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. 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

Entity Name:	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

Entity Name:	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

Entity Name: INVOICE ITEM				Short Name: II	
Plural: INVOICE ITEM					
Init. Volume: 0		Avg. Volume: 20000		Max. Volume: 100000	
Annual Growth Rate:					

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

Entity Name:	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

Entity Name:	LATEST SOWING DATE (cont'd)	Short Name:	LSD
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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		

Entity Name:	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		

Entity Name: 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		

Entity Name:	MAIL_ADDR_TYPE_CODE			<i>Short Name:</i>	MADC
<i>Plural:</i>	MAIL_ADDR_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 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

Entity Name:	METHOD OF PAYMENT CODE	Short Name:	MOPC
Plural:	METHOD OF PAYMENT CODE		
Init. Volume:	50	Avg. Volume:	5
		Max. Volume:	250
		Annual Growth Rate:	

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		

Entity Name: 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		

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

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

Entity Name: NATURAL STAND			<i>Short Name:</i>	NSPT
<i>Plural:</i>	NATURAL STANDS			
<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>
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

Entity Name: 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		

Entity Name: NURSERY FACILITY			Short Name:	NF
Plural:	NURSERY FACILITY			
Init. Volume:	300	Avg. Volume:	20	Max. Volume: 400
			Annual Growth Rate:	

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		

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

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) - 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.				

Entity Name: OPENING (cont'd)			Short Name:	OPE
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	

Entity Name:	OPENING (cont'd)	Short Name:	OPE
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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
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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 D		Y	NUMBER	5,0
The reserved portion of the orchard crop that is a planned (projected) commitment.				
ORCH_CROP_RESERVED_COMMIT_TR 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 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 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*

Entity Name: ORCHARD LOT TYPE CODE			Short Name:	OLTC
Plural:	ORCHARD LOT TYPE CODE			
Init. Volume:	50	Avg. Volume:	5	Max. Volume: 250
			Annual Growth Rate:	

Description:
A list of valid Orchard Lot Types Codes.

Attributes:				
<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

OPGW_PK	Primary	Y
ORCHARD_ID		
PRODUCTION_PLANNED		
PRODUCTION_YEAR		

Entity Name: 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.

<i>Attributes:</i>				
<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

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

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, seccion/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

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

Entity Name: 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

Entity Name: PARENT TREE ORCHARD			Short Name:	PTORCH
Plural:	PARENT TREE ORCHARDS			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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

Entity Name: PARENT TREE REG STATUS CODE			Short Name:	PTRSC
Plural:	PARENT TREE REG STATUS CODES			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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

Entity Name: PARENT TREE SEED PLAN UNIT			Short Name:	PTSPU
Plural:	PARENT TREE SEED PLAN UNITS			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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
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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

Entity Name: PLANTING SEASON CODE			Short Name:	PSC
Plural:	PLANTING SEASON 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>
* 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		

Entity Name: POLLEN CONTAMINATION MTHD CODE			Short Name:	PCMC
Plural:	POLLEN CONTAMINATION MTHD CODE			
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>
* POLLEN CONTAMINATION MTHD CODE Code that describes the pollen contamination method		N	VARCHAR2	3
DESCRIPTION The description associated with an affiliated code.	DESCRIPTION	N	VARCHAR2	120
EFFECTIVE DATE The associated values are available for use beginning on this date and time.	EFFECTIVE_TIMESTAMP	N	DATE	
EXPIRY DATE The associated values are no longer available for use as of this date and time.	EXPIRY_TIMESTAMP	N	DATE	
UPDATE TIMESTAMP 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.			
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.			
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
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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			

Entity Name: 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)			
- 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)			
- 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)			
- 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)			
- 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)			
- 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)			
- 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

Entity Name: REQUEST ITEM ACTIVITY				Short Name:	RIA
Plural:	REQUEST ITEM ACTIVITY				
Init. Volume:	150000	Avg. Volume:	100000	Max. Volume:	500000
				Annual Growth Rate:	

Description:

The status of a significant activity performed again an 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).				
* 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

Entity Name: REQUEST ITEM GENETIC WORTH			Short Name:	RIGW
Plural:	REQUEST ITEM GENETIC WORTH			
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 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		

Entity Name: REQUEST OVERRIDE				Short Name:	RO
Plural:	REQUEST OVERRIDE				
Init. Volume:	0	Avg. Volume:	10000	Max. Volume:	50000
			Annual Growth Rate:		

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

Entity Name: REQUEST PREP DAY			Short Name:	RPD
Plural:	REQUEST PREP DAY			
Init. Volume:	12	Avg. Volume:	0	Max. Volume: 12
			Annual Growth Rate:	

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.				

Entity Name: 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		

Entity Name: REQUEST SERVICE				Short Name:	RS1
Plural:	REQUEST SERVICE				
Init. Volume:	0	Avg. Volume:	120000	Max. Volume:	500000
			Annual Growth Rate:		

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

Entity Name: REQUEST TEST SERVICE			Short Name:	RTS
Plural:	REQUEST TEST SERVICE			
Init. Volume:	0	Avg. Volume:	2000	Max. Volume: 100000
			Annual Growth Rate:	

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

Entity Name: 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

Entity Name: RESEARCH PROJECT			Short Name:	RPROJ
Plural:	RESEARCH PROJECT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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

Entity Name: RESEARCH TEST SERIES			Short Name:	RSER
Plural:	RESEARCH TEST SERIES			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Attributes:

Name	Domain	Opt	Format	Length
* 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

Entity Name: RESEARCH TEST TYPE CODE			Short Name:	RTTCD
Plural:	RESEARCH TEST TYPE CODES			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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

Entity Name: RETEST POLICY**Short Name:** RP1**Plural:** RETEST POLICY**Init. Volume:** 20**Avg. Volume:** 10**Max. Volume:** 100**Annual Growth Rate:****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		

Entity Name:	REVENUE CLASS CODE			Short Name:	RCC
Plural:	REVENUE CLASS CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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		

Entity Name: 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		

Entity Name: SEED COAST AREA CODE			Short Name:	SCAC
Plural:	SEED COAST AREA CODE			
Init. Volume:	50	Avg. Volume:	5	Max. Volume: 250
			Annual Growth Rate:	

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*

Entity Name: SEED PLAN UNIT GEOMETRY		Short Name:	SPUGEOM
Plural:	SEED PLAN UNIT GEOMETRY		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

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.

Entity Name: 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		

Entity Name: SEED PLAN ZONE CODE			Short Name:	SPZC
Plural:	SEED PLAN ZONE CODE			
Init. Volume:	50	Avg. Volume:	5	Max. Volume: 250
			Annual Growth Rate:	

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

Entity Name: SEED PLAN ZONE GEOMETRY		Short Name:	SPZGEOM
Plural:	SEED PLAN ZONE GEOMETRY		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

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
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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			<i>Short Name:</i>	SRS
<i>Plural:</i>	SEED RELATED SERVICE			
<i>Init. Volume:</i>	20	<i>Avg. Volume:</i>	5	<i>Max. Volume:</i> 50
			<i>Annual Growth Rate:</i>	

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 rrepresents 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		

Entity Name: 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		

Entity Name: 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

Entity Name:	SEEDLING STOCK AGE CODE			Short Name:	SSAC
Plural:	SEEDLING STOCK AGE CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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

Entity Name:	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).			

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

Entity Name: 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.			

Entity Name:	SEEDLOT (cont'd)	Short Name:	SEE
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	

Entity Name: 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

Entity Name: SEEDLOT (cont'd)	Short Name:	SEE
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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				

Entity Name: 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.			

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

Entity Name: 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			

Entity Name: 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)

Entity Name: SEEDLOT CHARACTERISTIC				Short Name:	SC1
Plural:	SEEDLOT CHARACTERISTIC				
Init. Volume:	7000	Avg. Volume:	3500	Max. Volume:	21000
			Annual Growth Rate:		

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. 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

Entity Name:	SEEDLOT GENETIC WORTH (cont'd)	Short Name:	SGW
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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

Entity Name: 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		

Entity Name: 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
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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:

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

Entity Name: SEEDLOT QA TEST STATUS CODE			Short Name:	SQATSCD
Plural:	SEEDLOT QA TEST STATUS CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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

Entity Name: 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

Entity Name: 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

Entity Name: SEEDLOT TEST CODE			Short Name:	STC
Plural:	SEEDLOT TEST CODE			
Init. Volume:	50	Avg. Volume:	5	Max. Volume: 250
			Annual Growth Rate:	

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

Entity Name:	SEEDLOT TRANSACTION CODE			<i>Short Name:</i>	STC1
<i>Plural:</i>	SEEDLOT TRANSACTION 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 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		

Entity Name: SEEDS BLOCK

Short Name:

SB

Plural: SEEDS BLOCK

Init. Volume: 50

Avg. Volume: 10

Max. Volume: 100

Annual Growth Rate:

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

Entity Name:	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

Entity Name:	SERVICE BILLING STATUS CODE	Short Name:	SBSC
Plural:	SERVICE BILLING STATUS CODE		
Init. Volume:	50	Avg. Volume:	5
		Max. Volume:	250
		Annual Growth Rate:	

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

Entity Name:	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		

Entity Name: SHIPMENT			Short Name:	SHI
Plural:	SHIPMENT			
Init. Volume:	0	Avg. Volume:	200	Max. Volume: 1000
			Annual Growth Rate:	

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				<i>Short Name:</i> SI	
<i>Plural:</i> SHIPMENT ITEM					
<i>Init. Volume:</i> 0		<i>Avg. Volume:</i> 10000		<i>Max. Volume:</i> 50000	
<i>Annual Growth Rate:</i>					

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		

Entity Name:	SHIPPING INSTRUCTION			<i>Short Name:</i>	SI1
<i>Plural:</i>	SHIPPING INSTRUCTION				
<i>Init. Volume:</i>	0	<i>Avg. Volume:</i>	5000	<i>Max. Volume:</i>	25000
			<i>Annual Growth Rate:</i>		

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

Entity Name:	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		

Entity Name: 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

Entity Name: SPAR CUTBLOCK LINK				Short Name:	SCL
Plural:	SPAR CUTBLOCK LINK				
Init. Volume:	1000	Avg. Volume:	3000	Max. Volume:	30000
				Annual Growth Rate:	

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		

Entity Name:	SPAR FUND SRCE CODE			Short Name:	SFSC
Plural:	SPAR FUND SRCE CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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		

Entity Name: SPAR ORG MGMT				Short Name:	SOM
Plural:	SPAR ORG MGMT				
Init. Volume:	0	Avg. Volume:	1500	Max. Volume:	15000
				Annual Growth Rate:	

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

Entity Name: 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.			

Entity Name: 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

Entity Name: 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

Entity Name: SPAR REQUEST REGULATION CODE			Short Name:	SRRCD
Plural:	SPAR REQUEST REGULATION CODE			
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>
* 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		

Entity Name: SPAR YEAR LIMIT			Short Name:	SYL
Plural:	SPAR YEAR LIMIT			
Init. Volume:	1	Avg. Volume:	0	Max. Volume: 1
			Annual Growth Rate:	

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		

Entity Name: SPECIES GENETIC SPZ XREF				Short Name:	SGSX
Plural:	SPECIES GENETIC SPZ XREF				
Init. Volume:	1750	Avg. Volume:	50	Max. Volume:	3000
				Annual Growth Rate:	

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		

Entity Name: 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
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The quantity of seed or cuttings available for the given lot.

QUANTITY	N	NUMBER	11
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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

Entity Name: 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.			

Entity Name: 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

Entity Name: 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.			

Entity Name: SPR_MGMT_UNIT_TYPE_CODE			Short Name:	SMUTC
Plural:	SPR_MGMT_UNIT_TYPE_CODE			
Init. Volume:	50	Avg. Volume:	5	Max. Volume: 250
			Annual Growth Rate:	

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		

Entity Name:	SPR_REQUEST_STATUS_CODE			Short Name:	SRSC
Plural:	SPR_REQUEST_STATUS_CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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

Entity Name: 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		

Entity Name: SPU_ORCHARD_LINK			<i>Short Name:</i>	SOX
<i>Plural:</i>	SPU_ORCHARD_LINK			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

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
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MUST BE cross referenced for one and only one ORCHARD

MUST BE cross referenced for one and only one SEED PLAN UNIT

Entity Name: STANDARD_ACTIVITY				Short Name:	SA1
Plural:	STANDARD_ACTIVITY				
Init. Volume:	20	Avg. Volume:	10	Max. Volume:	100
				Annual Growth Rate:	

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

Entity Name: STATEMENT_CYCLE_CODE			Short Name:	SCC1
Plural:	STATEMENT_CYCLE_CODE			
Init. Volume:	50	Avg. Volume:	5	Max. Volume: 250
			Annual Growth Rate:	

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		

Entity Name: SUPERIOR PROVENANCE GEOMETRY		Short Name:	SPGEOM
Plural:	SUPERIOR PROVENANCE GEOMETRY		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

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		

Entity Name: SUPERIOR PROVENANCE PLAN ZONE		Short Name:	SPPZ
Plural:	SUPERIOR PROVENANCE PLAN ZONE		
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>
* = 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		

Entity Name: 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		

Entity Name: TESTED PT AREA OF USE			Short Name:	TPAOU
Plural:	TESTED PT AREA OF USE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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		

Entity Name: TESTED PT AREA OF USE SPU				Short Name: TPTAOUSPU	
Plural: TESTED PT AREA OF USE SPU					
Init. Volume: 10		Avg. Volume: 5		Max. Volume: 200	
				Annual Growth Rate:	

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
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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.

Entity Name: TESTED PT AREA OF USE SPZ			Short Name: TPTAOUSPZ	
Plural: TESTED PT AREA OF USE SPZ				
Init. Volume: 200		Avg. Volume: 40		Max. Volume: 400
Annual Growth Rate:				

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.

Entity Name:	TEST_CLASS_CODE	Short Name:	TCC1
Plural:	TEST_CLASS_CODE		
Init. Volume:	50	Avg. Volume:	5
		Max. Volume:	250
		Annual Growth Rate:	

Description:
A list of valid Test Class Codes.

Attributes:

<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

Short Name: TG

Init. Volume: 100 *Avg. Volume:* 20 *Max. Volume:* 500 *Annual Growth Rate:*

Identifies the amount of seed to be committed as part of a Request for Seed based on the types of tests being performed.

<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.				

* = Relationships in primary unique identifier.

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

Entity Name:	TRANSFER_ACROSS_ZONE (cont'd)	Short Name:	TAZ
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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		

Entity Name:	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:

Entity Name:	TRANSFER_LIMIT (cont'd)	Short Name:	TL
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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

Entity Name: TRANSFER_ORCHARD_BEC			Short Name:	TOB
Plural:	TRANSFER_ORCHARD_BEC			
Init. Volume:	20	Avg. Volume:	10	Max. Volume: 60
			Annual Growth Rate:	

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		

Entity Name: TRANSFER_RESTRICTION			Short Name:	TR
Plural:	TRANSFER_RESTRICTION			
Init. Volume:	50	Avg. Volume:	10	Max. Volume: 100
			Annual Growth Rate:	

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		

Entity Name: TRANSFER_SPZ_RESTRICTION			Short Name:	TSR
Plural:	TRANSFER_SPZ_RESTRICTION			
Init. Volume:	10	Avg. Volume:	1	Max. Volume: 100
			Annual Growth Rate:	

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

Entity Name:	TSC CLIENT CONTACT TYPE XREF	Short Name:	TCCTX
Plural:	TSC CLIENT CONTACT TYPE XREF		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Identifies the diffetent types of clients that can be associated to a client contact

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
PRI CLIENT TYPE IND		N	VARCHAR2	1
An indication if the contact if a primary contact.				
RULE: only one contact may be desginated as Primary for the combination of Client Number, Client Location and Client Type.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE identifies contacts for one and only one TSC_CLIENT_CONTACT
- * MUST BE is described by one and only one TSC_CLIENT_TYPE_CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

TCCTX	Primary	Y
MUST BE is described by one and only one TSC_CLIENT_TYPE_CODE		
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:

Entity Name:	TSC_CLIENT_CONTACT (cont'd)	Short Name:	TCC
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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

Entity Name: 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

Entity Name:	TSC_CLIENT_STATUS_CODE	Short Name:	TCSC1
Plural:	TSC_CLIENT_STATUS_CODE		
Init. Volume:	50	Avg. Volume:	5
		Max. Volume:	250
		Annual Growth Rate:	

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

Entity Name:	TSC_CLIENT_TYPE_CODE	Short Name:	TCTC
Plural:	TSC_CLIENT_TYPE_CODE		
Init. Volume:	50	Avg. Volume:	5
		Max. Volume:	250
		Annual Growth Rate:	

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

Entity Name:	UNIT_OF_MEASURE_CODE			Short Name:	UMC
Plural:	UNIT_OF_MEASURE_CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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.				

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

Entity Name: 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

Entity Name: 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: VEG LOT (cont'd)	Short Name:	VL
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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
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A free format text field used to enter general comments for a veg lot.

ENTRY USERID	N	VARCHAR2	30
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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
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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
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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
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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
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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
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* = 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

Entity Name: 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			

Entity Name: 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	

Entity Name: 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

Entity Name: VEG LOT CHARACTERISTIC			Short Name:	VLC
Plural:	VEG LOT CHARACTERISTIC			
Init. Volume:	0	Avg. Volume:	500	Max. Volume: 2000
			Annual Growth Rate:	

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

Entity Name: VEG LOT GEOMETRY			Short Name: VLGEOM
Plural:	VEG LOT GEOMETRY		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

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		

Entity Name: 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

Entity Name: VEG LOT PARENT TREE			Short Name:	VLPT
Plural:	VEG LOT PARENT TREES			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

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
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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	
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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
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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
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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

Entity Name: VEG LOT SOURCE CODE		Short Name:	VLSCD
Plural:	VEG LOT SOURCE CODE		
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>
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:

<u>Each Occurrence Of This Entity:</u>
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		

Entity Name: VEG LOT STATUS CODE		Short Name:	VLSTCD
Plural:	VEG LOT STATUS CODE		
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>
* 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

Entity Name:	VEG LOT TRANSACTION CODE			Short Name:	VLTC
Plural:	VEG LOT TRANSACTION CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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		

Entity Name:	VEGETATION CODE			Short Name:	VC
Plural:	VEGETATION CODE				
Init. Volume:	50	Avg. Volume:	5	Max. Volume:	250
			Annual Growth Rate:		

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			<i>Short Name:</i>	WN1
<i>Plural:</i>	WORKPLAN_NURSERY			
<i>Init. Volume:</i>	50	<i>Avg. Volume:</i>	10	<i>Max. Volume:</i> 100
			<i>Annual Growth Rate:</i>	

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		

Entity Name:	WORKPLAN_SERVICE	Short Name:	WS
Plural:	WORKPLAN_SERVICE		
Init. Volume:	100	Avg. Volume:	50
		Max. Volume:	500
		Annual Growth Rate:	

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

Entity Name: 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		

Entity Name: 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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