

Table and Column Definitions Report

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Parameters

Workarea:	GLOBAL SHARED WORKAREA
Container:	SPAR
Table / View / Materialized View:	%
Include Tables?	Y
Include Views?	Y
Include Materialized Views?	Y
Data Structure Diagram:	%
Exclude Prefix:	
Include Table / View / MV Descriptions?	Y
Include Table / View / MV Comments?	N
Include Column Descriptions?	Y
Include Column Comments?	N
Include Column Notes?	Y
Include Unique Constraints?	Y
Include Foreign Key Constraints?	Y
Include Check Constraints?	Y
Include Indexes?	Y

Table: ACCOUNT_STATUS_CODE*Description:*

A list of valid Account Statuses Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ACCOUNT_STATUS_CODE A code describing various Account Statuses.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: ACCOUNT_TYPE_CODE*Description:*

A list of valid Account Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ACCOUNT_TYPE_CODE A code describing various Account Types.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: ACK_MASK_SUBSET*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ACK_MASK_SBST_NAME	NOT NULL	VARCHAR2(18)
* 2	ACK_MASK_ACODE	NOT NULL	VARCHAR2(3)

Indexes:

I1\$_ACK_MASK_SUBSET
ACK_MASK_ACODE
ACK_MASK_SBST_NAME

Table: ACTIVITY_TYPE_CODE*Description:*

A list of valid Activity Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ACTIVITY_TYPE_CODE A code describing various Activity Types.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: ARRIVAL_TIME_CODE*Description:*

A list of valid Arrival Time Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ARRIVAL_TIME_CODE A code describing various Arrival Time codes.	NOT NULL	VARCHAR2(5)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: AUTHORIZATION_CODE*Description:*

A list of valid Authorization Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AUTHORIZATION_CODE A code describing various Authorization Codes.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: BAREROOT_RULE*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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry Client.	NOT NULL	VARCHAR2(8)
* 2	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
* 3	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
* 4	GENETIC_CLASS_CODE 'A' class represents genetically improved orchard produced seed or cuttings. 'B' class represents naturally collected seed or cuttings.	NOT NULL	VARCHAR2(1)
* 5	SOWING_METHOD_CODE A code which represents the type of sowing method/machine which is to be used.	NOT NULL	VARCHAR2(1)
6	VIABLE_SEEDS_METRE The number of viable seeds sown per metre of seed bed required to produce a given number of seedlings.	NOT NULL	NUMBER(5,0)
7	TREES_PER_METRE The number of seedlings produced per metre of seed bed.	NOT NULL	NUMBER(5,0)
8	REVISION_COUNT A counter to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_BR1_GCC_FK

GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE

SPR_BR1_SMC_FK

SOWING_METHOD_CODE = SOWING_METHOD_CODE.SOWING_METHOD_CODE

SPR_BR1_VC_FK

VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: BEC_CODE_TABLE*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BEC_CODE_ID A unique identifier to uniquely define a BGC Zone, Subzone, Variant and Phase combination.	NOT NULL	NUMBER(5)
2	BGC_ZONE_CD A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NOT NULL	VARCHAR2(4)
3	BGC_SUBZONE_CD A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NOT NULL	VARCHAR2(3)
4	VARIANT 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.	NULL	VARCHAR2(1)
5	PHASE 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.	NULL	VARCHAR2(1)
6	ZONE_NAME A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NOT NULL	VARCHAR2(35)
7	SUBZONE_NAME A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NOT NULL	VARCHAR2(35)
8	VARIANT_NAME A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NULL	VARCHAR2(20)
9	PHASE_NAME A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NULL	VARCHAR2(15)
10	NOTES A large geographic area (description) having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NULL	VARCHAR2(72)

Unique Constraints:

I1\$_BEC_CODE_TABLE
 VARIANT
 PHASE
 BGC_ZONE_CD
 BGC_SUBZONE_CD

Notes:

2005-01-25 R.A.Robb (Parent Tree)
 Changed PK name to match Prod

Table: BEC_VERSION_CONTROL*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	BEC_VERSION_ID	NOT NULL	NUMBER(10)
7	BEC_VERSION	NOT NULL	NUMBER(5,2)
9	EFFECTIVE_DATE	NOT NULL	DATE
14	EXPIRY_DATE	NULL	DATE

Unique Constraints:

BVC_BV_UK
BEC_VERSION

Table: BGC_ZONE_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BGC_ZONE_CODE	NOT NULL	VARCHAR2(4)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: BILLING_ITEM*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BILLING_ITEM_ID Retrofitted from column BILLING_ITEM_ID of table BILLING_ITEM	NOT NULL	VARCHAR2(3)
3	REQUEST_TYPE_CODE Retrofitted from column REQUEST_TYPE_ST of table BILLING_ITEM	NOT NULL	VARCHAR2(3)
5	SERVICE_BILLING_METHOD_CODE Retrofitted from column SRVC_BLNG_MTHD_CD of table BILLING_ITEM	NOT NULL	VARCHAR2(3)
7	REVISION_COUNT A counter to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
9	BILLING_ITEM_DESC Retrofitted from column BILLING_ITEM_DESC of table BILLING_ITEM	NULL	VARCHAR2(30)

Foreign Keys:

SPR_BI_RTC_FK

REQUEST_TYPE_CODE = REQUEST_TYPE_CODE.REQUEST_TYPE_CODE

SPR_BI_SBMF_FK

SERVICE_BILLING_METHOD_CODE = SERVICE_BILLING_METHOD_CODE.SERVICE_BILLING_METHOD_CODE

Table: BILLING_ITEM_ACTIVITY*Description:*

The list of activities which define a billing item (resolves the many to many relationship between a BILLING_ITEM and STANDARD_ACTIVITY).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BILLING_ITEM_ID	NOT NULL	VARCHAR2(3)
	Retrofitted from column BILLING_ITEM_ID of table BILLING_ITEM		
* 2	STANDARD_ACTIVITY_ID	NOT NULL	VARCHAR2(3)
	A unique identifier identifying a standard activity within a given billing item activity		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The effective date a standard activity is valid for a given billing item.		
4	EXPIRY_DATE	NULL	DATE
	The expiry date a standard activity is valid for a given billing item.		
5	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter to ensure data integrity. This item should be incremented during each update.		

Foreign Keys:

SPR_BIA_BI_FK

BILLING_ITEM_ID = BILLING_ITEM.BILLING_ITEM_ID

SPR_BIA_SA1_FK

STANDARD_ACTIVITY_ID = STANDARD_ACTIVITY.STANDARD_ACTIVITY_ID

Table: BILLING_ITEM_DISC*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BILLING_ITEM_DISC_SKEY Surrogate key to identify a unique instance of a Billing Item Discount.	NOT NULL	NUMBER(10,0)
2	BILLING_ITEM_ID Retrofitted from column BILLING_ITEM_ID of table BILLING_ITEM	NOT NULL	VARCHAR2(3)
3	BILLING_ITEM_PRICE_SKEY Identifies the Billing Item Price that is discounted.	NOT NULL	NUMBER(10,0)
4	DISCOUNT_EFF_DATE The discounted effective date a discounted billing item is effective for.	NOT NULL	DATE
5	MIN_PROCESSING_QTY The minimum processing quantity needed for the discounted billing item.	NOT NULL	NUMBER(5,0)
6	DISCOUNT_EXP_DATE The discounted expiry date a discounted billing item is effective for.	NULL	DATE
7	MAX_PROCESSING_QTY The maximum processing quantity needed for the discounted billing item.	NOT NULL	NUMBER(5,0)
8	DISCOUNT_PERCENT The discounted percentage in effect for the discounted billing item.	NOT NULL	NUMBER(6,3)
9	REVISION_COUNT A counter to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
10	DISCOUNT_COMMENT The discount comment associated with the discounted billing item.	NULL	VARCHAR2(60)

Foreign Keys:

SPR_BID_BIP_FK

BILLING_ITEM_ID = BILLING_ITEM_PRICE.BILLING_ITEM_ID

BILLING_ITEM_PRICE_SKEY = BILLING_ITEM_PRICE.BILLING_ITEM_PRICE_SKEY

Indexes:

I1\$_BILLING_ITEM_DISC

BILLING_ITEM_ID

BILLING_ITEM_PRICE_SKEY

Table: BILLING_ITEM_PRICE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BILLING_ITEM_ID The price that a completed billing item is sold to clients. These are published and distributed in a standard price list.	NOT NULL	VARCHAR2(3)
* 3	BILLING_ITEM_PRICE_SKEY A unique record identifier.	NOT NULL	NUMBER(10,0)
5	EFFECTIVE_DATE The effective date a billing price item is effective for.	NOT NULL	DATE
7	EXPIRY_DATE The expiry date a billing price item is effective for.	NULL	DATE
9	BASE_PRICE The billing item price for a standard activity.	NOT NULL	NUMBER(7,2)
11	UNIT_PRICE The unit price for a standard activity.	NOT NULL	NUMBER(7,2)
13	REVISION_COUNT A counter to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
15	UNIT_OF_MEASURE_CODE The unit of measure (code) for a standard activity.	NULL	VARCHAR2(3)

Foreign Keys:

SPR_BIP_BI_FK
 BILLING_ITEM_ID = BILLING_ITEM.BILLING_ITEM_ID
 SPR_BIP_UMC_FK
 UNIT_OF_MEASURE_CODE = UNIT_OF_MEASURE_CODE.UNIT_OF_MEASURE_CODE
 SPR_BIP_VC_FK
 BILLING_ITEM_PRICE_SKEY = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I1\$_BILLING_ITEM_PRICE
 BILLING_ITEM_ID

Table: BILLING_OBLIGATION*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 3	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 4	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
5	PCT_OWNERSHIP The percentage of seed that was owned by a client at the time the request was entered.	NOT NULL	NUMBER(4,1)

Foreign Keys:

SPR_BO_RI_FK
 REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
 ITEM_ID = REQUEST_ITEM.ITEM_ID

Indexes:

I1\$_BILLING_OBLIGATION
 REQUEST_SKEY
 ITEM_ID

Table: BREEDING_SELECTION_TYPE_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	BREEDING_SELECTION_TYPE_CODE	NOT NULL	VARCHAR2(3)
20	DESCRIPTION	NOT NULL	VARCHAR2(120)
	The description associated with an affiliated code.		
30	EFFECTIVE_DATE	NOT NULL	DATE
	The associated values are available for use beginning on this date and time.		
40	EXPIRY_DATE	NOT NULL	DATE
	The associated values are no longer available for use as of this date and time.		
50	UPDATE_TIMESTAMP	NOT NULL	DATE
	The Date and Time associated with adding, approving or updating the changes to an associated record.		

Notes:

PARENT TREE SUBSYSTEM

Table: CAVITIES_BLOCK*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLING_CONTAINER_CODE 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.	NOT NULL	VARCHAR2(4)
2	CAVITIES_PER_BLOCK The number of cavities per block based on the container type.	NOT NULL	NUMBER(5,0)
3	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_CB_SCC_FK

SEEDLING_CONTAINER_CODE = SEEDLING_CONTAINER_CODE.SEEDLING_CONTAINER_CODE

Table: CLIENT_ACRONYM*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_ACRONYM A familiar alphabetic acronym to be used as an alternate to the ministry's client number for data entry and display.	NOT NULL	VARCHAR2(8)
4	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
6	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$_CLIENT_ACRONYM
CLIENT_NUMBER

Notes:

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

Table: CLIENT_LOCATION*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
5	CLIENT_LOCN_NAME The location name	NOT NULL	VARCHAR2(40)
7	HDBS_COMPANY_CODE A code to uniquely identify the client in the HDBS system.	NOT NULL	VARCHAR2(5)
9	ADDRESS_1 The address of the client	NOT NULL	VARCHAR2(40)
11	ADDRESS_2 The address of the client.	NOT NULL	VARCHAR2(40)
13	ADDRESS_3 The address of the client.	NOT NULL	VARCHAR2(40)
15	CITY The city the client works in.	NOT NULL	VARCHAR2(30)
17	PROVINCE The province th client works in.	NOT NULL	VARCHAR2(5)
19	POSTAL_CODE The postal code associated with the address of the client.	NOT NULL	VARCHAR2(10)
21	COUNTRY The country in which the client is registered in.	NOT NULL	VARCHAR2(6)
23	BUSINESS_PHONE The Phone number of the client	NOT NULL	VARCHAR2(10)
25	HOME_PHONE The Home phone number of a client contact.	NOT NULL	VARCHAR2(10)
27	FAX_NUMBER A fax number for the client.	NOT NULL	VARCHAR2(10)
29	LOCN_EXPIRED_IND An indicator to indicate if the given location is expired for business purposes.	NOT NULL	VARCHAR2(1)
31	RETURNED_MAIL_DATE A date in which mail was returned.	NOT NULL	DATE
33	UPDATE_TIMESTAMP An audit timestamp tracking when the last time information was modified on this record.	NOT NULL	DATE
35	UPDATE_USERID An audit tracking mechanism identifying who modified this record.	NOT NULL	VARCHAR2(8)
37	UPDATE_ORG_UNIT An audit tracking mechanism identifying the Org Unit of who modified this record.	NOT NULL	NUMBER(5,0)
39	ADD_TIMESTAMP An audit timestamp tracking when the last time information was added for this record.	NOT NULL	DATE
41	ADD_USERID An audit tracking mechanism identifying who added this record.	NOT NULL	VARCHAR2(8)
43	ADD_ORG_UNIT An audit tracking mechanism identifying the Org Unit of who added this record.	NOT NULL	NUMBER(5,0)
45	CLI_LOCN_COMMENT A comment field	NOT NULL	VARCHAR2(60)

Indexes:

I\$1_CLIENT_LOCATION
HDBS_COMPANY_CODE

Table: CLNT_RCVBL_ACCT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 2	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
3	ACCOUNT_STATUS_CODE The account status describing the client receivable account.	NOT NULL	VARCHAR2(3)
4	ACCOUNT_TYPE_CODE The account type describing the client receivable account.	NOT NULL	VARCHAR2(3)
5	ACCOUNT_OPEN_DATE The date the account was opened.	NOT NULL	DATE
6	ADMIN_ORG_UNIT_NO The Organisation Unit responsible for the Client Receivable Account.	NOT NULL	NUMBER(10,0)
7	ACCT_CREDIT_LIMIT The credit limit for the account receivable.	NOT NULL	NUMBER(15,2)
8	INTEREST_CHARGE_IND	NOT NULL	VARCHAR2(1)
9	STATEMENT_PRODN_IND An indicator indicating whether statements get generated.	NOT NULL	VARCHAR2(1)
10	STATEMENT_CYCLE_CODE The frequency at which statements get generated.	NOT NULL	VARCHAR2(1)
11	COL_ORG_UNIT_NO An Organisational Unit.	NOT NULL	NUMBER(10,0)
12	UPDATE_USERID An audit tracking mechanism identifying who modified this record.	NOT NULL	VARCHAR2(8)
13	UPDATE_ORG_UNIT_NO An audit tracking mechanism identifying the Org Unit of who modified this record.	NOT NULL	NUMBER(10,0)
14	UPDATE_TIMESTAMP An audit timestamp tracking when the last time information was modified on this record.	NOT NULL	DATE
15	ENTRY_USERID An audit tracking mechanism identifying who added this record.	NOT NULL	VARCHAR2(8)
16	ENTRY_ORG_UNIT_NO An audit tracking mechanism identifying the Org Unit of who added this record.	NOT NULL	NUMBER(10,0)
17	ENTRY_TIMESTAMP An audit timestamp tracking when the last time information was added for this record.	NOT NULL	DATE

Table: CNSR022*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	SEEDLOT_NUMBER	NULL	VARCHAR2(5)
20	VEGETATION_CODE	NULL	VARCHAR2(8)
30	MESSAGE	NULL	VARCHAR2(250)
40	BATCH_ID	NOT NULL	NUMBER(10,0)
50	RUN_DATE	NOT NULL	DATE

Table: CNSR023*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	SEEDLOT_NUMBER	NULL	VARCHAR2(5)
20	VEGETATION_CODE	NULL	VARCHAR2(8)
30	MESSAGE	NULL	VARCHAR2(250)
40	BATCH_ID	NOT NULL	NUMBER(10,0)
50	RUN_DATE	NOT NULL	DATE

Table: CNSR090*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	INVOICE_NUMBER	NULL	VARCHAR2(7)
20	MESSAGE	NULL	VARCHAR2(250)
30	BATCH_ID	NOT NULL	NUMBER(10,0)
40	RUN_DATE	NOT NULL	DATE

Table: CNSR091*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	REQUEST_ID	NULL	VARCHAR2(12)
20	REQUEST_STATUS	NULL	VARCHAR2(3)
30	SEEDLOT_NUMBER	NULL	VARCHAR2(5)
40	REQUEST_GRAMS	NULL	NUMBER(10,0)
50	PREV_GERM	NULL	NUMBER(5,0)
60	CURR_GERM	NULL	NUMBER(5,0)
70	NURSERY	NULL	VARCHAR2(8)
80	NURSRY_CLI_LOCN_CD	NULL	VARCHAR2(2)
90	RCMNDED_SOWING_DT	NULL	DATE
100	SPAR_FUND_SRCE_ST	NULL	VARCHAR2(3)
110	AGENCY	NULL	VARCHAR2(8)
120	RQST_CLI_LOCN_CD	NULL	VARCHAR2(2)
130	BATCH_ID	NOT NULL	NUMBER(10,0)
140	RUN_DATE	NOT NULL	DATE
150	VEGETATION_CODE	NULL	VARCHAR2(8)
160	LATEST_ACTIONED_DATE	NULL	DATE
170	OWNER_CLIENT_NUMBER	NULL	VARCHAR2(8)
180	OWNER_CLIENT_LOCN_CODE	NULL	VARCHAR2(2)
190	REQUEST_SKEY	NULL	NUMBER(10,0)
200	SEEDLING_CONTAINER_CODE	NULL	VARCHAR2(4)

2004-07-14 R.A.Robb

- Added for release 01_16_00.

Notes:

2004-07-14 R.A.Robb

- Added SEEDLING_CONTAINER_CODE for release 01_16_00.

Table: CNSR092*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
5	BATCH_ID	NULL	NUMBER(10)
10	OWNERS_COUNT	NULL	NUMBER(10)
15	DATE_OF_LETTER	NULL	DATE
20	ACTUAL_ARRIVAL_DATE	NULL	DATE
25	SHIP_CLIENT_NUMBER	NULL	VARCHAR2(8)
30	SHIP_CLIENT_LOCN_CD	NULL	VARCHAR2(2)
35	SHIP_CLIENT_NAME	NULL	VARCHAR2(60)
40	SEEDLOT_NUMBER	NULL	VARCHAR2(5)
45	VEGETATION_CODE	NULL	VARCHAR2(8)
50	RECEIPT_COMPLT_IND	NULL	NUMBER(5)
60	FS721_RECEIVED_IND	NULL	NUMBER(5)
65	NO_CONTAINERS	NULL	NUMBER(6,2)
70	HL_VOLUME	NULL	NUMBER(6,2)
75	PRODUCT_TYPE	NULL	VARCHAR2(255)
80	APP_COMPLETE	NULL	NUMBER(5)
85	ADDEN_REQUIRED	NULL	VARCHAR2(3)
90	OWNER_CLIENT_NUMBER	NULL	VARCHAR2(8)
95	OWNER_CLIENT_LOCN_CD	NULL	VARCHAR2(2)
100	ORIGINAL_PCT_OWNED	NULL	VARCHAR2(8)
105	HL_VOLUME_PER_OWNER	NULL	VARCHAR2(8)
110	ORCHARD_ID	NULL	VARCHAR2(3)
115	MESSAGE	NULL	VARCHAR2(500)

Table: CNSR093*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	SEEDLOT_NUMBER	NULL	VARCHAR2(5)
20	TEST_DATE	NULL	DATE
30	SEEDLOT_TEST_CODE	NULL	VARCHAR2(3)
40	RESULT	NULL	NUMBER(6,1)
50	MESSAGE	NULL	VARCHAR2(250)
60	BATCH_ID	NOT NULL	NUMBER(10,0)
70	RUN_DATE	NOT NULL	DATE

Table: CNSR111*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	SEEDLOT_NUMBER	NULL	VARCHAR2(5)
20	TOTAL_RECS_READ	NULL	NUMBER(10,0)
30	TOTAL_RECS_UPDT	NULL	NUMBER(10,0)
40	TOTAL_RECS_RJCT	NULL	NUMBER(10,0)
50	MESSAGE	NULL	VARCHAR2(250)
60	BATCH_ID	NOT NULL	NUMBER(10,0)
70	RUN_DATE	NOT NULL	DATE

Table: CNS_EXTRACTION_LOG*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EXTRACTION_SKEY A key to uniquely identify each individual job that runs.	NOT NULL	NUMBER(10,0)
2	JOB_RUNDATE The date the batch job was run.	NOT NULL	DATE
3	TABLE_NAME The table affected by the batch job running.	NOT NULL	VARCHAR2(18)
4	REQUEST_SKEY Converted REQUEST_SKEY from CNS_EXTRACTION_LOG.	NOT NULL	NUMBER(10,0)
5	ITEM_ID Converted ITEM_ID from CNS_EXTRACTION_LOG.	NOT NULL	VARCHAR2(1)
6	SPR_REQUEST_STATUS_CODE Converted SPR_RQST_STATUS_ST from CNS_EXTRACTION_LOG.	NULL	VARCHAR2(3)
7	RQST_REQUIRD_BY_DATE Converted RQST_REQUIRD_BY_DT from CNS_EXTRACTION_LOG.	NULL	DATE
8	PRIORITY_DATE Converted PRIORITY_DT from CNS_EXTRACTION_LOG.	NULL	DATE
9	RQST_VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
10	QTY_SEEDLINGS_RQST Converted QTY_SEEDLINGS_RQST from CNS_EXTRACTION_LOG.	NULL	NUMBER(6,1)
11	UPDATE_USERID An audit tracking mechanism identifying who modified this record.	NULL	VARCHAR2(30)
12	UPDATE_TIMESTAMP An audit timestamp tracking when the last time information was modified on this record.	NULL	DATE
13	BATCH_UPDATE_JOBID An audit tracking mechanism identifying which application modified this record.	NULL	VARCHAR2(30)
14	BATCH_UPDATE_TS An audit tracking mechanism identifying when the batch application modified this record.	NULL	DATE
16	STANDARD_WORKPLAN_SKEY Converted STD_WORKPLAN_SKEY from CNS_EXTRACTION_LOG.	NULL	NUMBER(10,0)
17	ITEM_VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
18	SAMPLE_ID Converted SAMPLE_ID from CNS_EXTRACTION_LOG.	NULL	VARCHAR2(5)
23	FAMILY_LOT_NUMBER Converted FAMILY_LOT_NUMBER from CNS_EXTRACTION_LOG.	NULL	VARCHAR2(13)
24	RQST_SDLNGS_RSRVD Converted RQST_SDLNGS_RSRVD from CNS_EXTRACTION_LOG.	NULL	NUMBER(6,1)
25	RQST_SDLNGS_SRPLS Converted RQST_SDLNGS_SRPLS from CNS_EXTRACTION_LOG.	NULL	NUMBER(6,1)
26	NO_OF_CONTAINERS Converted NO_OF_CONTAINERS from CNS_EXTRACTION_LOG.	NULL	NUMBER(6,2)
27	CONE_VOLUME Converted CONE_VOLUME from CNS_EXTRACTION_LOG.	NULL	NUMBER(6,2)
28	SEED_QUANTITY Converted SEED_QUANTITY from CNS_EXTRACTION_LOG.	NULL	NUMBER(10,0)
29	SHIPTO_CLI_NUMBER Converted SHIPTO_CLI_NUMBER from CNS_EXTRACTION_LOG.	NULL	VARCHAR2(8)
30	SHIPTO_CLI_LOCN_CD Converted SHIPTO_CLI_LOCN_CD from CNS_EXTRACTION_LOG.	NULL	VARCHAR2(2)
31	ITEM_REQUIRD_BY_DATE Converted ITEM_REQUIRD_BY_DT from CNS_EXTRACTION_LOG.	NULL	DATE
32	LATEST_ACTIONED_DATE Converted LATEST_ACTIONED_DT from CNS_EXTRACTION_LOG.	NULL	DATE
33	RCMNDED_SOWING_DATE	NULL	DATE

Table: CNS_EXTRACTION_LOG (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
34	Converted RCMNDED_SOWING_DT from CNS_EXTRACTION_LOG. SPCFIED_SOWING_DATE	NULL	DATE
35	Converted SPCFIED_SOWING_DT from CNS_EXTRACTION_LOG. NRSRY_OBLIGATN_IND	NULL	VARCHAR2(1)
36	Converted NRSRY_OBLIGATN_IND from CNS_EXTRACTION_LOG. NRSRY_CLI_NUMBER	NULL	VARCHAR2(8)
37	Converted NRSRY_CLI_NUMBER from CNS_EXTRACTION_LOG. NRSRY_CLI_LOCN_CD	NULL	VARCHAR2(2)
38	Converted NRSRY_CLI_LOCN_CD from CNS_EXTRACTION_LOG. EXTRCT_CLI_NUMBER	NULL	VARCHAR2(8)
39	Converted EXTRCT_CLI_NUMBER from CNS_EXTRACTION_LOG. EXTRCT_CLI_LOCN_CD	NULL	VARCHAR2(2)
40	Converted EXTRCT_CLI_LOCN_CD from CNS_EXTRACTION_LOG. SEEDLOT_NUMBER	NULL	VARCHAR2(5)
41	Converted SEEDLOT_NUMBER from CNS_EXTRACTION_LOG. CLIENT_NUMBER	NULL	VARCHAR2(8)
42	Converted CLIENT_NUMBER from CNS_EXTRACTION_LOG. CLIENT_LOCN_CODE	NULL	VARCHAR2(2)
43	Converted CLIENT_LOCN_CODE from CNS_EXTRACTION_LOG. RQST_FROM_RESERVE	NULL	NUMBER(10,0)
44	Converted RQST_FROM_RESERVE from CNS_EXTRACTION_LOG. RQST_FROM_SURPLUS	NULL	NUMBER(10,0)
45	Converted RQST_FROM_SURPLUS from CNS_EXTRACTION_LOG. RQST_TO_RESERVE	NULL	NUMBER(10,0)
46	Converted RQST_TO_RESERVE from CNS_EXTRACTION_LOG. RQST_TO_SURPLUS	NULL	NUMBER(10,0)
47	Converted RQST_TO_SURPLUS from CNS_EXTRACTION_LOG. SEEDLOT_TEST_CODE	NULL	VARCHAR2(3)
48	Converted SEEDLOT_TEST_CD from CNS_EXTRACTION_LOG. GERMINATION_PCT	NULL	NUMBER(5,0)
	Converted GERMINATION_PCT from CNS_EXTRACTION_LOG.		

Foreign Keys:

SPR_CEL_RI_FK
 REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
 ITEM_ID = REQUEST_ITEM.ITEM_ID
 SPR_CEL_SEE_FK
 SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER
 SPR_CEL_SRSC_FK
 SPR_REQUEST_STATUS_CODE = SPR_REQUEST_STATUS_CODE.SPR_REQUEST_STATUS_CODE
 SPR_CEL_STC_FK
 SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE
 SPR_CEL_SW_FK
 STANDARD_WORKPLAN_SKEY = STANDARD_WORKPLAN.STANDARD_WORKPLAN_SKEY
 SPR_CEL_VC_FK
 ITEM_VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE
 SPR_CEL_VC_FK2
 RQST_VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I1\$_CNS_EXTRACTION_LOG
 SHIPTO_CLI_NUMBER
 SHIPTO_CLI_LOCN_CD
 I2\$_CNS_EXTRACTION_LOG
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 I3\$_CNS_EXTRACTION_LOG
 EXTRCT_CLI_NUMBER

Table: CNS_EXTRACTION_LOG (cont'd)*Indexes:*

EXTRCT_CLI_LOCN_CD
I4\$ _CNS_EXTRACTION_LOG
NRSRY_CLI_NUMBER
NRSRY_CLI_LOCN_CD
I5\$ _CNS_EXTRACTION_LOG
REQUEST_SKEY
ITEM_ID
I6\$ _CNS_EXTRACTION_LOG
SEEDLOT_NUMBER
I7\$ _CNS_EXTRACTION_LOG
STANDARD_WORKPLAN_SKEY

Table: CNS_SYS_CTRL*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CTRL_SKEY A key to uniquely identify each individual job that runs.	NOT NULL	NUMBER(10,0)
2	JOB_NAME The name of the job thta ran.	NOT NULL	VARCHAR2(20)
3	JOB_RUNDATE The date the job was run.	NOT NULL	DATE
4	NUM_REC_EXTR The number of records that were extracted.	NOT NULL	NUMBER(10,0)
5	NUM_REC_PROC The number of records processed.	NOT NULL	NUMBER(10,0)
6	NUM_REC_RJCT The number of records rejected.	NOT NULL	NUMBER(10,0)
7	HOST_JOB_COMP_IND An indicator signaling the Host's Job successfully completed.	NOT NULL	VARCHAR2(1)
8	HOST_JOB_RTN_CODE In the case of job failure, the Host's Return Code.	NOT NULL	NUMBER(10,0)
9	LOCAL_JOB_COMP_IND An indicator signaling the CNS/Local's Job successfully completed.	NULL	VARCHAR2(1)
10	LOCAL_JOB_RTN_CODE In the case of job failure, the CNS/Local's Return Code.	NULL	NUMBER(10,0)
11	REPORTED_IND An indicator if the job successfully reported the information processed.	NULL	VARCHAR2(1)

Table: COAST_INTERIOR_CODE*Description:*

A list of valid Coast/Interior Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	COAST_INTERIOR_CODE A code describing variousCoast/Interior Codes.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: CODE_LIST_TABLE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	COLUMN_NAME The type of code to be stored as a corporate code.	NOT NULL	VARCHAR2(18)
* 2	CODE_ARGUMENT The value of the corporate code.	NOT NULL	VARCHAR2(50)
3	EXPANDED_RESULT The description associated with the corporate code.	NOT NULL	VARCHAR2(120)
4	EFFECTIVE_DATE The starting date the Corporate code is in effect.	NOT NULL	DATE
5	EXPIRY_DATE The expiry date the corporate code is in effect.	NOT NULL	DATE

Table: CODE_SUBSET_TBL*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CODE_SUBSET_NAME The type of subsetting code to be stored as a corporate code.	NOT NULL	VARCHAR2(18)
* 4	COLUMN_NAME The type of code to be stored as a corporate code.	NOT NULL	VARCHAR2(18)
* 6	CODE_ARGUMENT The value of the corporate code.	NOT NULL	VARCHAR2(50)

Table: COLLECTION_LATITUDE_CODE*Description:*

A list of valid Collection Latitude Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	COLLECTION_LATITUDE_CODE A code describing various Collection Latitude.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: COLLECTION_LONGITUDE_CODE*Description:*

A list of valid Collection Longitude Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	COLLECTION_LONGITUDE_CODE A code describing various Collection Longitude Codes.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: COLLECTION_SOURCE_CODE*Description:*

A list of valid Collection Source Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	COLLECTION_SOURCE_CODE A code describing various Collection Sources.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Notes:

2006-06-29 R.A.Robb (RIs 3.0)

- no longer used but kept for historical purposes

Table: CONE_COLLECTION_METHOD_CODE*Description:*

A list of valid Cone based Collection Method Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CONE_COLLECTION_METHOD_CODE A list of valid Cone based Collection Method Codes.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: CORP_CAPTURE_METHOD*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CAPTURE_METHOD_CODE	NOT NULL	VARCHAR2(30)

Table: CUTTING_AGE_CLASS_CODE*Description:*

A list of valid Cutting Age Class Codes

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CUTTING_AGE_CLASS_CODE A code describing various Age Classes.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: CUT_BLOCK*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type tenure.	NOT NULL	VARCHAR2(3)
* 3	CUT_BLOCK_ID Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).	NOT NULL	VARCHAR2(10)
4	TIMBER_MARK 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.	NULL	VARCHAR2(6)
5	BLOCK_STATUS_ST The current status of the operational harvesting area, eg., Pending - Planned, Harvesting - Suspended. This is a subset of Timber_Status_Code.	NOT NULL	VARCHAR2(3)
6	BLOCK_STATUS_DATE The date on which the current cut block status was set.	NULL	DATE
7	EST_GROSS_BLK_AREA Estimated initial gross area of the cut block, in hectares, from the PHSP.	NOT NULL	NUMBER(11,4)
8	CUR_GROSS_BLK_AREA Current gross area of the cut block, in hectares, including all approved amendments.	NOT NULL	NUMBER(11,4)
9	EST_NET_BLK_AREA Estimated initial net area of the cut block, in hectares. This is the sum of the area of the treatment units.	NOT NULL	NUMBER(11,4)
10	CUR_NET_BLK_AREA Current net area of the cut block, in hectares, including all approved amendments.	NOT NULL	NUMBER(11,4)
11	TODATE_LOGGED_AREA Estimated of the cut block, in hectares, logged to date, that is, as of the last inspection.	NOT NULL	NUMBER(11,4)
12	HARVEST_SEQUENCE Order in which blocks must be harvested.	NOT NULL	NUMBER(5,0)
13	SEASON_CODE Code to indicate harvesting season.	NOT NULL	VARCHAR2(1)
14	HARVEST_START_DATE Actual date that harvesting started on the cut block.	NOT NULL	DATE
15	SILVIC_HANOVER_DT For areas being Harvested, this date is associated with the actual or estimated completion of Harvesting. This date s/b entered as part of the regular logging inspection, and updated as required. The actual date will be when the status moves to S - Silv.	NOT NULL	DATE
16	LOG_EXTRACTION1_CD Equipment used to harvest timber within the cut block, to be taken from the logging plan. This is the 1st of 3 specified and references Log_Extrect_Tech_Cd.	NOT NULL	VARCHAR2(7)
17	LOG_EXTRCTN1_V1_CD The 1st variant on the equipment specified for the 1st logging extraction technique, to be taken from the logging plan. This references Log_Extrect_Var_Cd.	NOT NULL	VARCHAR2(7)
18	LOG_EXTRCTN1_V2_CD The 2nd variant on the equipment specified for the 1st logging extraction technique, to be taken from the logging plan. This references Log_Extrect_Var_Cd.	NOT NULL	VARCHAR2(7)
19	LOG_EXTRACTION2_CD Equipment used to harvest timber within the cut block, to be taken from the logging plan. This is the 2nd of 3 specified and references Log_Extrect_Tech_Cd.	NOT NULL	VARCHAR2(7)
20	LOG_EXTRCTN2_V1_CD The 1st variant on the equipment specified for the 2nd logging extraction technique, to be taken from the logging plan. This reference Log_Extrect_Var_Cd.	NOT NULL	VARCHAR2(7)
21	LOG_EXTRCTN2_V2_CD The 2nd variant on the equipment specified for the 2nd logging extraction technique, to be taken from the logging plan. This references Log_Extrect_Var_Cd.	NOT NULL	VARCHAR2(7)
22	LOG_EXTRACTION3_CD Equipment used to harvest timber within the cut block, to be taken from the logging plan. This is the 3rd of	NOT NULL	VARCHAR2(7)

Table: CUT_BLOCK (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
23	LOG_EXTRCTN3_V1_CD 3 specified and references Log_Extrct_Tech_Cd. The 1st variant on the equipment specified for the 3rd logging extraction technique, to be taken from the logging plan. This references Log_Extrct_Var_Cd.	NOT NULL	VARCHAR2(7)
24	LOG_EXTRCTN3_V2_CD The 2nd variant on the equipment specified for the 3rd logging extraction technique, to be taken from the logging plan. This references Log_Extrct_Var_Cd.	NOT NULL	VARCHAR2(7)
25	SILV_SYSTEM_CODE Proposed (before PHSP) silviculture method.	NOT NULL	VARCHAR2(7)
26	SILV_SYSTEM_VAR_CD The proposed (before PHSP) silviculture system variant. This further defines the Proposed Silviculture System.	NOT NULL	VARCHAR2(3)
27	STEEP_SLOPE_PCT Percent of area to be harvested on steep slope land.	NOT NULL	NUMBER(5,2)
28	SP_EXEMPT_IND 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	NOT NULL	VARCHAR2(1)
29	UPDATE_TIMESTAMP The timestamp of the last update to the cut block information.	NOT NULL	DATE
30	UPDATE_USERID The userid of the person who performed the last update to the information.	NOT NULL	VARCHAR2(8)

Unique Constraints:

I1\$_CUT_BLOCK
TIMBER_MARK
CUT_BLOCK_ID

Table: DATA_SOURCE_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DATA_SOURCE_CODE	NOT NULL	VARCHAR2(10)

Table: DEBIT_CREDIT_CODE*Description:*

A list of valid Debit Credit Codes

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DEBIT_CREDIT_CODE A code describing various Debit/Credits.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: ELEVATION_BAND*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ELEVATION_BAND Elevation Band for a Seed Planning Unit (SPU): High, Low, All. <i>2006-03-20 R.A.Robb (Rls 02_06_00)</i> <i>- modified from maxlength=5 to maxlength=10 to support MID-HIGH, etc.</i>	NOT NULL	VARCHAR2(10)
2	DESCRIPTION Description of Elevation Band for a Seed Planning Unit (SPU): High, Low, All.	NULL	VARCHAR2(120)

Notes:

2006-03-20 R.A.Robb (Rls 02_06_00)
- modified ELEVATION_BAND column from maxlength=5 to maxlength=10 to support MID-HIGH, etc.

Table: EXCEPTION_CAUSE_CODE*Description:*

A list of valid Exception Causes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	EXCEPTION_CAUSE_CODE A code describing various Exception Causes.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: EXPECTED_RECEIPT_CONTENT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
* 5	ARRIVAL_DATE The date the shipment is scheduled and expected to arrive.	NOT NULL	DATE
* 7	ARRIVAL_TIME_CODE The time the shipment is scheduled and expected to arrive.	NOT NULL	VARCHAR2(5)
* 9	CONE_IND An indicator used to differentiate whether cone or seed is expected to be received.	NOT NULL	VARCHAR2(1)
* 11	SEQUENCE_NO A sequence number used to differentiate consecutive shipments for a given client at a particular time.	NOT NULL	NUMBER(5,0)
13	NO_OF_CONTAINERS The number of containers expected in the shipment.	NOT NULL	NUMBER(6,2)
15	VOLUME_OF_CONE The total volume of cones, in hectolitres, that are part of the request item.	NOT NULL	NUMBER(6,2)
17	QTY_OF_SEED The total volume of seed, in grams, that are part of the request item.	NOT NULL	NUMBER(10,0)
19	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
21	REQUEST_SKEY The Request for which the shipment is to be applied against.	NULL	NUMBER(10,0)
23	ITEM_ID The Request for which the shipment is to be applied against. The Item ID specifies the specific Request Item.	NULL	VARCHAR2(1)
25	SEEDLOT_NUMBER The Seedlot for which the shipment is to be applied against.	NULL	VARCHAR2(5)
27	VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
29	SAMPLE_ID The identifier of a sample if it is not a seedlot.	NULL	VARCHAR2(5)
30	FAMILY_LOT_NUMBER The Family Lot number	NULL	VARCHAR2(13)

Foreign Keys:

SPR_ERC_ESR_FK
 CLIENT_NUMBER = EXPECTED_SHIPMENT_RECEIPT.CLIENT_NUMBER
 CLIENT_LOCN_CODE = EXPECTED_SHIPMENT_RECEIPT.CLIENT_LOCN_CODE
 ARRIVAL_DATE = EXPECTED_SHIPMENT_RECEIPT.ARRIVAL_DATE
 ARRIVAL_TIME_CODE = EXPECTED_SHIPMENT_RECEIPT.ARRIVAL_TIME_CODE
 CONE_IND = EXPECTED_SHIPMENT_RECEIPT.CONE_IND
 SPR_ERC_RI_FK
 ITEM_ID = REQUEST_ITEM.ITEM_ID
 REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
 SPR_ERC_SEE_FK
 SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER
 SPR_ERC_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I1\$_EXPECTED_RECEIPT_CONT_FK
 CLIENT_NUMBER
 CLIENT_LOCN_CODE

Table: EXPECTED_RECEIPT_CONTENT (cont'd)*Indexes:*

ARRIVAL_DATE
ARRIVAL_TIME_CODE
CONE_IND
I2\$ _EXPECTED_RECEIPT_CONT_FK
REQUEST_SKEY
ITEM_ID
I3\$ _EXPECTED_RECEIPT_CONT_FK
SEEDLOT_NUMBER

Table: EXPECTED_SHIPMENT_RECEIPT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
* 5	ARRIVAL_DATE The date the shipment is scheduled and expected to arrive.	NOT NULL	DATE
* 7	ARRIVAL_TIME_CODE The time the shipment is scheduled and expected to arrive.	NOT NULL	VARCHAR2(5)
* 9	CONE_IND An indicator used to differentiate whether cone or seed is expected to be received.	NOT NULL	VARCHAR2(1)
11	ETA_CONFIRMED_IND An indication if the estimate time of arrival is accurate	NOT NULL	VARCHAR2(1)
13	TOTAL_CONTAINERS The total number of containers used in the shipment.	NOT NULL	NUMBER(6,2)
15	TOTAL_SAMPLES The total number of samples sent in the shipment.	NOT NULL	NUMBER(5,0)
17	TOTAL_SEEDLOTS The total number of seedlots sent in the shipment.	NOT NULL	NUMBER(6,0)
18	TOTAL_FAMILYLOTS The total Family Lots in the shipment	NOT NULL	NUMBER(6,0)
19	TOTAL_VOLUME_CONE The total volume of cones sent in the shipment.	NOT NULL	NUMBER(6,2)
21	TOTAL_QTY_SEED The total quantity of seed sent in the shipment.	NOT NULL	NUMBER(5,0)
23	ENTRY_TIMESTAMP An audit timestamp tracking when the last time information was added for this record.	NOT NULL	DATE
25	ENTRY_USERID An audit tracking mechanism identifying who added this record.	NOT NULL	VARCHAR2(30)
27	UPDATE_TIMESTAMP An audit timestamp tracking when the last time information was modified on this record.	NOT NULL	DATE
29	UPDATE_USERID An audit tracking mechanism identifying who modified this record.	NOT NULL	VARCHAR2(30)
31	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
33	TRANSPORT_COMPANY The name of the transportation company used in the shipping of seed or cone.	NULL	VARCHAR2(30)
35	CONTACT_NAME The name of a contact associated with the shipment.	NULL	VARCHAR2(40)
37	CONTACT_PHONE The phone number of the contact associated with the shipment.	NULL	VARCHAR2(10)
39	SHIPMENT_COMMENT A comment associated with the shipment.	NULL	VARCHAR2(150)

Foreign Keys:

SPR_ESR_ATC_FK

ARRIVAL_TIME_CODE = ARRIVAL_TIME_CODE.ARRIVAL_TIME_CODE

Table: FACILITY_CODE*Description:*

A list of valid Facility Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FACILITY_CODE A code describing various Facilities.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: FEATURE_CLASSES*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)

Table: FOREST_CLIENT*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER	NOT NULL	CHAR(8)
2	CLIENT_NAME	NOT NULL	VARCHAR2(60)
3	LEGAL_FIRST_NAME	NOT NULL	VARCHAR2(30)
4	LEGAL_MIDDLE_NAME	NOT NULL	VARCHAR2(30)
5	SOUNDEX_NAME	NOT NULL	VARCHAR2(30)
6	CLIENT_STATUS_CODE	NOT NULL	CHAR(3)
8	CLIENT_TYPE_CODE	NOT NULL	CHAR(1)
9	BIRTHDATE	NOT NULL	DATE
10	BC_DRIVERS_LICENSE	NOT NULL	CHAR(7)
11	CLIENT_SIN	NOT NULL	CHAR(9)
12	CLIENT_OTHER_ID	NOT NULL	VARCHAR2(40)
13	CORP_REGN_NMBR	NOT NULL	CHAR(9)
14	CORP_REPORTING_IND	NOT NULL	CHAR(1)
15	OCG_SUPPLIER_NMBR	NOT NULL	CHAR(10)
16	PRIME_MAILING_LOCN	NOT NULL	CHAR(2)
17	TOTAL_BALANCE	NOT NULL	CHAR(14)
18	WCB_FIRM_NUMBER	NOT NULL	CHAR(6)
19	CLIENT_COMMENT	NOT NULL	VARCHAR2(60)
20	UPDATE_TIMESTAMP	NOT NULL	DATE
21	UPDATE_USERID	NOT NULL	CHAR(8)
	An audit tracking mechanism identifying who modified this record.		
22	UPDATE_ORG_UNIT	NOT NULL	NUMBER(10,0)
23	ADD_TIMESTAMP	NOT NULL	DATE
24	ADD_USERID	NOT NULL	CHAR(8)
25	ADD_ORG_UNIT	NOT NULL	NUMBER(10,0)

Unique Constraints:

I1\$ FOREST_CLIENT
 CLIENT_NAME
 LEGAL_MIDDLE_NAME
 LEGAL_FIRST_NAME
 CLIENT_NUMBER

I2\$ FOREST_CLIENT
 SOUNDEX_NAME
 LEGAL_MIDDLE_NAME
 LEGAL_FIRST_NAME
 CLIENT_NAME
 CLIENT_NUMBER
 CLIENT_STATUS_CODE

Indexes:

I3\$ FOREST_CLIENT
 OCG_SUPPLIER_NMBR

I4\$ FOREST_CLIENT
 CORP_REGN_NMBR

I5\$ FOREST_CLIENT
 BC_DRIVERS_LICENSE

I6\$ FOREST_CLIENT
 CLIENT_SIN

Table: FOREST_INVOICE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The invoice number notifying a client of a billing assessment made by the ministry.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND	NOT NULL	VARCHAR2(1)
4	PAYABLE_BY_CLIENT The client number the transaction is applicable to.	NOT NULL	VARCHAR2(8)
5	PAYABLE_BY_CLI_LOC The clientlocation the transaction is applicable to.	NOT NULL	VARCHAR2(2)
6	INVOICE_AMOUNT	NOT NULL	NUMBER(9,2)
7	INVOICE_CLASS_CODE	NOT NULL	VARCHAR2(3)
8	INVOICE_DATE	NOT NULL	DATE
9	INVOICE_TYPE_CODE	NOT NULL	VARCHAR2(3)
10	INVC_SUB_TYPE_CODE	NOT NULL	VARCHAR2(3)
11	CANCELLED_BY_INVC	NOT NULL	VARCHAR2(7)
12	ORG_UNIT_NO	NOT NULL	NUMBER(10,0)
13	RELATED_INVOICE	NOT NULL	VARCHAR2(7)
14	INVOICE_RLN_TYP_CD	NOT NULL	VARCHAR2(3)
15	REL_INVOICE_STS_ST	NOT NULL	VARCHAR2(3)
16	REPLACED_BY_INVC	NOT NULL	VARCHAR2(7)
17	SCALE_RETURN_DATE	NOT NULL	DATE
18	SCALE_SITE_ID_NMBR	NOT NULL	VARCHAR2(3)
19	SCALER_LICENCE_NUM	NOT NULL	VARCHAR2(4)
20	VOLUME_ONLY_IND	NOT NULL	VARCHAR2(1)
21	COPY_TO_CLIENT	NOT NULL	VARCHAR2(8)
22	COPY_TO_CLI_LOC	NOT NULL	VARCHAR2(2)
23	ENTRY_TIMESTAMP	NOT NULL	DATE
24	ENTRY_USERID	NOT NULL	VARCHAR2(8)
25	UPDATE_USERID An audit tracking mechanism identifying who modified this record.	NOT NULL	VARCHAR2(8)
26	UPDATE_TIMESTAMP	NOT NULL	DATE
27	POSTED_DATE	NOT NULL	DATE
28	POSTED_SEQUENCE_NO	NOT NULL	NUMBER(10,0)
29	SCALED_AT	NOT NULL	VARCHAR2(40)

Indexes:

I1\$_FOREST_INVOICE
 PAYABLE_BY_CLIENT
 PAYABLE_BY_CLI_LOC
 I2\$_FOREST_INVOICE
 SCALE_SITE_ID_NMBR
 SCALE_RETURN_DATE
 I3\$_FOREST_INVOICE
 SCALE_RETURN_DATE
 I4\$_FOREST_INVOICE
 INVOICE_TYPE_CODE
 INVOICE_DATE

Table: GAMETIC_MTHD_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	GAMETIC_MTHD_CODE Code that describes the gametic contribution method code for a seedlot	NOT NULL	VARCHAR2(3)
3	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
4	EFFECTIVE_DATE The associated values are available for use beginning on this date and time.	NOT NULL	DATE
5	EXPIRY_DATE The associated values are no longer available for use as of this date and time.	NOT NULL	DATE
10	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE

Table: GENETIC_CLASS_CODE*Description:*

A list of valid Genetic Class Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	GENETIC_CLASS_CODE A code describing various Genetic Classes.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: GENETIC_TYPE_CODE*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).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	GENETIC_TYPE_CODE 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).	NOT NULL	VARCHAR2(2)
20	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
30	EFFECTIVE_DATE The associated values are available for use beginning on this date and time.	NOT NULL	DATE
40	EXPIRY_DATE The associated values are no longer available for use as of this date and time.	NOT NULL	DATE
50	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE

Notes:

PARENT TREE SUBSYSTEM

Table: GENETIC_WORTH_CODE*Description:*

A list of valid Genetic Worth Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	GENETIC_WORTH_CODE A code describing various Genetic Worths.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: INTENDED_USE_CODE*Description:*

A list of valid Intended Use Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INTENDED_USE_CODE A code describing various Intended Uses.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: INTERM_FACILITY_CODE*Description:*

A list of valid Interim Facility Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INTERM_FACILITY_CODE A code describing various Interim facilities.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: INVOICE_ITEM*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The invoice number notifying a client of a billing assessment made by the ministry.	NOT NULL	VARCHAR2(7)
* 2	SERVICE_BILLING_SKEY The maximum billing surrogate key value used by the system to identify a Service Billing.	NOT NULL	NUMBER(10,0)

Foreign Keys:

SPR_II_SB1_FK
SERVICE_BILLING_SKEY = SERVICE_BILLING.SERVICE_BILLING_SKEY
SPR_II_TI1_FK
INVOICE_NUMBER = TSC_INVOICE.INVOICE_NUMBER

Indexes:

I1\$_INVOICE_ITEM
SERVICE_BILLING_SKEY
I2\$_INVOICE_ITEM
INVOICE_NUMBER

Table: INVOICE_RELATION_TYPE_CODE*Description:*

A list of valid Invoice Relation Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_RELATION_TYPE_CODE A code describing various Invoice Relation Types.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: LATEST_SOWING_DATE**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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LATEST_SOWING_DATE_SKEY A unique identifier establishing a unique Latest Sowing Date entry.	NOT NULL	NUMBER(10,0)
2	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
3	CLIENT_LOCN_CODE 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.	NULL	VARCHAR2(2)
4	COAST_INTERIOR_CODE A code representing geographic location.	NULL	VARCHAR2(1)
5	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
6	PLANTING_SEASON_CODE A code which represents a time period within a year for which planting occurs.	NOT NULL	VARCHAR2(2)
7	SEEDLING_STOCK_TYPE_CODE A code which represents the type of stock which is to be grown at the nursery.	NULL	VARCHAR2(3)
8	SEEDLING_CONTAINER_CODE 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.	NULL	VARCHAR2(4)
9	SEEDLING_STOCK_AGE_CODE 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).	NOT NULL	VARCHAR2(6)
10	FACILITY_CODE A code which represents the type of facility that the seedlings will be grown in.	NOT NULL	VARCHAR2(2)
11	LATEST_SOWING_DAY The latest month and day in the given sowing year for which sowing can take place.	NOT NULL	VARCHAR2(4)
12	DEFAULT_FCLTY_IND An indicator used to identify the default facility and sowing day when a specific facility is not specified.	NOT NULL	VARCHAR2(1)
13	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$_LATEST_SOWING_DATE
 CLIENT_LOCN_CODE
 CLIENT_NUMBER
 COAST_INTERIOR_CODE
 VEGETATION_CODE
 PLANTING_SEASON_CODE
 SEEDLING_CONTAINER_CODE
 SEEDLING_STOCK_AGE_CODE
 SEEDLING_STOCK_TYPE_CODE
 FACILITY_CODE

Foreign Keys:

SPR_LSD_CIC_FK
 COAST_INTERIOR_CODE = COAST_INTERIOR_CODE.COAST_INTERIOR_CODE
 SPR_LSD_FC_FK
 FACILITY_CODE = FACILITY_CODE.FACILITY_CODE
 SPR_LSD_PSC_FK
 PLANTING_SEASON_CODE = PLANTING_SEASON_CODE.PLANTING_SEASON_CODE
 SPR_LSD_SCC_FK

Table: LATEST_SOWING_DATE (cont'd)*Foreign Keys:*

SEEDLING_CONTAINER_CODE = SEEDLING_CONTAINER_CODE.SEEDLING_CONTAINER_CODE
SPR_LSD_SSAC_FK
SEEDLING_STOCK_AGE_CODE = SEEDLING_STOCK_AGE_CODE.SEEDLING_STOCK_AGE_CODE
SPR_LSD_SSC1_FK
SEEDLING_STOCK_TYPE_CODE = SEEDLING_STOCK_TYPE_CODE.SEEDLING_STOCK_TYPE_CODE
SPR_LSD_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: LATITUDE_BAND*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LATITUDE_BAND Latitude Band for a Seed Planning Unit (SPU): North, South, All.	NOT NULL	VARCHAR2(5)
2	DESCRIPTION Description of Latitude Band for a Seed Planning Unit (SPU): North, South, All.	NULL	VARCHAR2(120)

Table: LOT_OWNERSHIP_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LOT_OWNERSHIP_CODE	NOT NULL	VARCHAR2(1)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: MAIL_ADDR_TYPE_CODE*Description:*

A list of valid Mail Address Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAIL_ADDR_TYPE_CODE A code describing various Mailing Address Types.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: METHOD_OF_PAYMENT_CODE*Description:*

A list of valid Method of Payment Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	METHOD_OF_PAYMENT_CODE A code describing various Method of Payments.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: NAD_DATUM_CODE*Description:*

A list of valid NAD Datum Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	NAD_DATUM_CODE A code describing various NAD Datum.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: NATURAL_SELECTION_TYPE_CODE*Description:*

Initial values: Plus Tree PLS, Provenance PRV

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	NATURAL_SELECTION_TYPE_CODE Initial values: Plus Tree PLS, Provenance PRV	NOT NULL	VARCHAR2(3)
20	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
30	EFFECTIVE_DATE	NOT NULL	DATE
40	EXPIRY_DATE The associated values are no longer available for use as of this date and time.	NOT NULL	DATE
50	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE

Notes:

PARENT TREE SUBSYSTEM

Table: NMBR_TREES_FROM_CODE*Description:*

A list of valid Number of Trees Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	NMBR_TREES_FROM_CODE A code describing various Number of Trees.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: NURSERY_FACILITY*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 3	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 4	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
* 5	FACILITY_CODE A code which represents the type of facility that the seedlings will be grown in.	NOT NULL	VARCHAR2(2)
6	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$_NURSERY_FACILITY
FACILITY_CODE
CLIENT_NUMBER
CLIENT_LOCN_CODE

Foreign Keys:

SPR_NF_FC_FK
FACILITY_CODE = FACILITY_CODE.FACILITY_CODE

Table: NURSERY_LOCATION*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 2	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
3	NURSERY_ACRONYM 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 (RIs 3.3) - added NURSERY_ACRONYM and cleaned up table def	NOT NULL	VARCHAR2(8)
4	COAST_INTERIOR_CODE A code describing various Coast/Interior Codes.	NOT NULL	VARCHAR2(1)
5	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

NL_UK
NURSERY_ACRONYM

Foreign Keys:

NL_CIC_FK
COAST_INTERIOR_CODE = COAST_INTERIOR_CODE.COAST_INTERIOR_CODE
NL_CL1_FK
CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE

Notes:

2007-02-10 R.A.Robb (RIs 3.3)
- added NURSERY_ACRONYM and cleaned up table def

Table: OPENING*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OPENING_ID System generated value uniquely identifying the opening.	NOT NULL	NUMBER(10,0)
2	ADMIN_REGION_NO The Ministry of Forests region which has the administrative responsibility for the opening.	NOT NULL	NUMBER(10,0)
3	ADMIN_DISTRICT_NO The Ministry of Forests district which has the administrative responsibility for the opening.	NOT NULL	NUMBER(10,0)
4	MAPSHEET_GRID NTG or BCGS grid. Values are 82, 83, 92, 93, 94, 102, 103, 104, 114.	NOT NULL	VARCHAR2(3)
5	MAPSHEET_LETTER BCGS/NTG letter. Values are A - P, and W.	NOT NULL	VARCHAR2(1)
6	MAPSHEET_SQUARE 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.	NOT NULL	VARCHAR2(3)
7	MAPSHEET_QUAD Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.	NOT NULL	VARCHAR2(1)
8	MAPSHEET_SUB_QUAD Sub-Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.	NOT NULL	VARCHAR2(1)
9	OPENING_NUMBER An unique identifier up to four characters long that describes the opening on a specified mapsheet.	NOT NULL	VARCHAR2(4)
10	OPENING_LOCN_NAME A descriptive name of the geographic location of the opening.	NOT NULL	VARCHAR2(30)
11	COMMUNITY_WS_IND A (Y/N) indicator used to show if the opening is within a community watershed.	NOT NULL	VARCHAR2(1)
12	OPENING_XREF 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.	NOT NULL	VARCHAR2(15)
13	OPENING_GROSS_AREA 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.	NOT NULL	NUMBER(7,1)
14	MEASURE_METHOD_CD Method by which the gross area for the opening was derived.	NOT NULL	VARCHAR2(1)
15	TREATMNT_REGIME_ID 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.	NOT NULL	VARCHAR2(2)
16	DIST_ADMIN_ZONE A code which indicates which geographic location the opening is in (within the district). Code meanings are assigned in the district location code table.	NOT NULL	VARCHAR2(2)
17	DISTRICT_LOCN1_ID A second geographic code which can be assigned to the opening.	NOT NULL	VARCHAR2(2)
18	DISTRICT_LOCN2_ID A second geographic code which can be assigned to the opening.	NOT NULL	VARCHAR2(2)
19	TSA_NUMBER The unique identifier for the Timber Supply Area in which the opening is located.	NOT NULL	VARCHAR2(2)
20	TSB_NUMBER The unique identifier for the Timber Supply Block (within the Timber Supply Area) in which the opening is located.	NOT NULL	VARCHAR2(3)
21	SILV_FUND_SRCE_CD A code indicating which Funding Program will be the primary funding source for silviculture activities on the opening.	NOT NULL	VARCHAR2(3)
22	RESPONSIBILITY_CD A code to indicate if the opening is a Ministry of Forests or Licensee responsibility (with respect to responsibilities for silviculture obligations).	NOT NULL	VARCHAR2(1)
23	SP_EXEMPT_IND An indicator which states if the opening is exempt from a Silviculture Prescription (as determined by the	NOT NULL	VARCHAR2(1)

Table: OPENING (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	District Manager).		
24	SEED_PLAN_ZONE_CD	NOT NULL	VARCHAR2(3)
	The code for the seed planning zone into which the opening falls.		
25	UTM_ZONE	NOT NULL	NUMBER(5,0)
	The UTM Zone for the centre of the opening.		
26	UTM_EASTING	NOT NULL	NUMBER(10,0)
	The UTM Easting coordinate for the centre of the opening.		
27	UTM_NORTHING	NOT NULL	NUMBER(10,0)
	The UTM Northing coordinate for the centre of the opening.		
28	NAD_DATUM_CD	NOT NULL	VARCHAR2(2)
	A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.		
29	LATITUDE_DEGREES	NOT NULL	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.		
30	LATITUDE_MINUTES	NOT NULL	NUMBER(2,0)
	Smaller units within a degree of latitude. Value should be between 0 and 60.		
31	LONGITUDE_DEGREES	NOT NULL	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.		
32	LONGITUDE_MINUTES	NOT NULL	NUMBER(2,0)
	Smaller units within a degree of longitude. Value should be between 0 and 60.		
33	PRUNE_HT_OBJECTIVE	NOT NULL	NUMBER(3,1)
	Smaller units within a degree of longitude. Value should be between 0 and 60.		
34	NSR_CATEGORY_CD	NOT NULL	VARCHAR2(4)
	The NSR type as applied to the entire opening which categorizes the NSR land with respect to treatability.		
35	GEO_DISTRICT_NO	NOT NULL	NUMBER(10,0)
	The Ministry of Forests district in which the opening physically resides.		
36	UPDATE_USERID	NOT NULL	VARCHAR2(8)
	The USERID of the individual who last updated the information.		
37	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update.		
38	ENTRY_USERID	NOT NULL	VARCHAR2(8)
	The USERID of the individual who entered the information.		
39	ENTRY_TIMESTAMP	NOT NULL	DATE
	The date and time the information was entered.		
40	PHOTO_LINE_NUMBERS	NOT NULL	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 visible from the photos).		

Indexes:

I1\$_OPENING
 OPENING_NUMBER
 ADMIN_DISTRICT_NO

I2\$_OPENING
 ADMIN_DISTRICT_NO
 DISTRICT_LOCN1_ID
 DISTRICT_LOCN2_ID

I3\$_OPENING
 ADMIN_DISTRICT_NO
 DIST_ADMIN_ZONE
 DISTRICT_LOCN1_ID
 DISTRICT_LOCN2_ID

Table: OPERATION_TIME_REQUIREMENT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OPERATION_TIME_REQT_SKEY	NOT NULL	NUMBER(10,0)
2	SEED_SERVICE_CODE	NOT NULL	VARCHAR2(3)
	A code which represents the type of service which is being requested to be performed.		
3	VEGETATION_CODE	NULL	VARCHAR2(8)
	A code which represents a species of tree or brush.		
4	EFFECTIVE_DATE	NOT NULL	DATE
	The date on which the service time requirement takes effect.		
5	EXPIRY_DATE	NULL	DATE
	The date on which the service time requirement expires.		
6	STANDARD_TIME_RQRD	NOT NULL	NUMBER(5,0)
	The amount of time required to perform a particular service. Its units are dependent on the time unit code.		
7	SERVICE_TIME_UNIT_CODE	NOT NULL	VARCHAR2(3)
	A code which represents the time unit of measure.		
8	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Unique Constraints:

I1\$_OPERATION_TIME_REQUIREMENT
 SEED_SERVICE_CODE
 VEGETATION_CODE
 EFFECTIVE_DATE

Foreign Keys:

SPR_OTR_SSC_FK
 SEED_SERVICE_CODE = SEED_SERVICE_CODE.SEED_SERVICE_CODE
 SPR_OTR_STUC_FK
 SERVICE_TIME_UNIT_CODE = SERVICE_TIME_UNIT_CODE.SERVICE_TIME_UNIT_CODE
 SPR_OTR_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: ORCHARD*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORCHARD_ID	NOT NULL	VARCHAR2(3)
	A unique identifier which is assigned to a location where cuttings or A class seed is produced.		
3	ORCHARD_LOT_TYPE_CODE	NOT NULL	VARCHAR2(1)
	A code representing a type of orchard. The two values will be 'S' (Seed Lot) or 'C' (Cutting Lot).		
5	GENERATION_NUMBER	NULL	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		
7	CLIENT_NUMBER	NOT NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
9	CLIENT_LOCN_CODE	NOT NULL	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.		
11	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		
13	ORCHARD_NAME	NULL	VARCHAR2(30)
	The name of a location where cuttings or A class seed is produced.		
15	ORCHARD_STAGE_CODE	NULL	VARCHAR2(3)
	A code which represents the current stage or status of an orchard.		
17	LICENSED_IND	NULL	VARCHAR2(1)
	An indicator to show whether the orchard is licensed ('Y' yes) or not ('N' no).		
19	LICENSED_DATE	NULL	DATE
	The date (year, month and day) the orchard was licensed.		
21	LICENSE_RENEWAL_DATE	NULL	DATE
	The date (year, month and day) the license for the orchard is to be renewed.		
23	VEGETATION_CODE	NULL	VARCHAR2(8)
	A code which represents a species of tree or brush.		

Foreign Keys:

SPR_ORC_OLTC_FK

ORCHARD_LOT_TYPE_CODE = ORCHARD_LOT_TYPE_CODE.ORCHARD_LOT_TYPE_CODE

SPR_ORC_OSC_FK

ORCHARD_STAGE_CODE = ORCHARD_STAGE_CODE.ORCHARD_STAGE_CODE

SPR_ORC_VC_FK

VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: ORCHARD_COMMITMENTS_TRANS*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORCHARD_ID A unique identifier which is assigned to a location where Class A cuttings or seed is produced.	NOT NULL	VARCHAR2(3)
* 3	PRODUCTION_YEAR The production year of the Actual/Planned orchard cone crop (July 1 to June 30).	NOT NULL	NUMBER
* 4	INT_ORCH_CLIENT_NUMBER The orchard owner's internal (seed supply contract) client number - can be multiple internal orchard clients.	NOT NULL	VARCHAR2(8)
* 5	INT_ORCH_CLIENT_LOCN_CD The orchard owner's internal (seed supply contract) client location code - can be multiple internal clients.	NOT NULL	VARCHAR2(2)
6	ORCH_CROP_RESERVED_COMMIT_PLND The reserved portion of the orchard crop that is a planned (projected) commitment.	NULL	NUMBER(5,0)
7	ORCH_CROP_RESERVED_COMMIT_TRAN The reserved portion of the orchard crop that is logged as actual transactions from a planned commitment.	NULL	NUMBER(5,0)
8	ORCH_CROP_SURPLUS_UNCOMMIT_PLN The surplus portion of the orchard crop that is a planned (projected) uncommitment (non-committed).	NULL	NUMBER(5,0)
9	ORCH_CROP_SURPLUS_UNCOMMIT_TRA The surplus portion of the orchard crop that is logged as actual transactions from a planned uncommitment.	NULL	NUMBER(5,0)
10	SPAR_FUND_SRCE_CODE Funding Source (SPAR) of internal orchard client.	NULL	VARCHAR2(3)
11	ACTUAL_LAST_UPDATE Date the production actual field data is recorded.	NULL	DATE
12	PLANNED_LAST_UPDATE Date the orchard production planned (Species Plans) crop and genetic gain data is recorded.	NULL	DATE
13	SPU_ID A unique identifier which is assigned to a Seed Planning Unit.	NULL	NUMBER(10,0)

Foreign Keys:

SPR_OCT_ORC_FK
 ORCHARD_ID = ORCHARD.ORCHARD_ID
 SPR_OCT_SFSC_FK
 SPAR_FUND_SRCE_CODE = SPAR_FUND_SRCE_CODE.SPAR_FUND_SRCE_CODE

Indexes:

OCT_ORC_FK_I
 ORCHARD_ID
 OCT_SFSC_FK_I
 SPAR_FUND_SRCE_CODE

Table: ORCHARD_LOT_TYPE_CODE*Description:*

A list of valid Orchard Lot Types Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORCHARD_LOT_TYPE_CODE A code describing various Orchard Lot Types.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: ORCHARD_PRODN_GENETIC_WORTH*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORCHARD_ID A unique identifier which is assigned to a location where Class A cuttings or seed is produced.	NOT NULL	VARCHAR2(3)
* 3	PRODUCTION_PLANNED Projected production capacities for this orchard from this orchard from the species plans.	NOT NULL	NUMBER(5,0)
* 4	PRODUCTION_YEAR The production year of the Actula/Planned orchard cone crop (July 1/June 30).	NOT NULL	NUMBER
5	ACTUAL_LAST_UPDATE Date the orchard production actual crop and genetic gain data is recorded.	NULL	DATE
6	GENETIC_WORTH_ACTUAL The Actual genetic worth of the orchard crop (total GW weighted by seedlots registered for the orchard and year).	NULL	NUMBER(5,0)
7	GENETIC_WORTH_PLANNED The Planned (projected) genetic worth for this orchard from the Species Plans.	NULL	NUMBER(5,0)
8	PLANNED_LAST_UPDATE Date the orchard production planned (species plans) crops and genetic gain data is recorded.	NULL	DATE
9	PRODUCTION_ACTUAL The Actual production of the orchard (Total balance of seedlots registered for that orchard and year).	NULL	NUMBER(5,0)
10	SPU_ID A unique identifier which is assigned to a Seed Planning Unit.	NULL	NUMBER(10,0)

Foreign Keys:

SPR_OPGW_ORC_FK
 ORCHARD_ID = ORCHARD.ORCHARD_ID

Indexes:

OPGW_ORC_FK_I
 ORCHARD_ID

Table: ORCHARD_STAGE_CODE*Description:*

A list of valid Orchard Stage Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORCHARD_STAGE_CODE A code describing various Orchard Stages.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: ORG_CLIENT_XREF*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	CLIENT_NUMBER	NOT NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
* 3	CLIENT_LOCN_CODE	NOT NULL	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.		
50	ORG_UNIT_NO	NOT NULL	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".		
99	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Foreign Keys:

I1\$_ORG_CLIENT_XREF

SPR_OCX_OU1_FK

ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

Notes:

2006-06-09 R.A.Robb (RIs 3.0)

- modified PK to client_number and client_locn_code (was org_unit_no)

Table: ORG_MGMT_UNIT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 3	ORG_MGMT_UNIT_NO Sequentially assigned number to identify an Org_Unit, Management_Unit_Type, and Management_Unit_ID combination.	NOT NULL	NUMBER(10,0)
4	ORG_UNIT_NO 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".	NOT NULL	NUMBER(10,0)
5	SPR_MGMT_UNIT_TYPE_CODE A subset of the administrative management unit as defined by the ministry for managing the forest land, eg. TSA. This subset applies for Seedling Requests.	NOT NULL	VARCHAR2(1)
6	MGMT_UNIT_ID The number that is assigned to a specific administrative management unit.	NULL	VARCHAR2(4)

Foreign Keys:

SPR_OMU_OU1_FK
ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
SPR_OMU_SMUTC_FK
SPR_MGMT_UNIT_TYPE_CODE = SPR_MGMT_UNIT_TYPE_CODE.SPR_MGMT_UNIT_TYPE_CODE

Indexes:

I1\$_ORG_MGMT_UNIT
ORG_UNIT_NO

Table: ORG_UNIT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORG_UNIT_NO	NOT NULL	NUMBER(10,0)
2	ORG_UNIT_CODE	NOT NULL	VARCHAR2(6)
3	ORG_UNIT_NAME	NOT NULL	VARCHAR2(100)
4	LOCATION_CODE	NOT NULL	VARCHAR2(3)
5	AREA_CODE	NOT NULL	VARCHAR2(3)
6	TELEPHONE_NO	NOT NULL	VARCHAR2(7)
7	ORG_LEVEL_CODE	NOT NULL	VARCHAR2(1)
8	OFFICE_NAME_CODE	NOT NULL	VARCHAR2(2)
9	ROLLUP_REGION_NO	NOT NULL	NUMBER(10,0)
10	ROLLUP_REGION_CODE	NOT NULL	VARCHAR2(6)
11	ROLLUP_DIST_NO	NOT NULL	NUMBER(10,0)
12	ROLLUP_DIST_CODE	NOT NULL	VARCHAR2(6)
13	EFFECTIVE_DATE	NOT NULL	DATE
14	EXPIRY_DATE	NOT NULL	DATE
15	UPDATE_TIMESTAMP	NOT NULL	DATE

Unique Constraints:

I1\$ _ORG_UNIT
 ORG_UNIT_CODE
 ORG_UNIT_NO
 I2\$ _ORG_UNIT
 ORG_UNIT_CODE
 I3\$ _ORG_UNIT
 ORG_UNIT_NO
 ORG_UNIT_CODE
 ORG_UNIT_NAME
 LOCATION_CODE
 TELEPHONE_NO
 ORG_LEVEL_CODE
 OFFICE_NAME_CODE

Indexes:

I4\$ _ORG_UNIT
 ROLLUP_DIST_CODE
 ROLLUP_REGION_CODE
 I5\$ _ORG_UNIT
 ROLLUP_REGION_NO
 ROLLUP_DIST_NO
 I6\$ _ORG_UNIT
 ROLLUP_REGION_CODE
 ROLLUP_DIST_CODE
 I7\$ _ORG_UNIT
 ORG_UNIT_NO
 ORG_UNIT_CODE

Table: PARENT_TREE**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
20	PARENT_TREE_NUMBER The original registration number given to a Parent Tree in conjunction with a Species Code.	NOT NULL	VARCHAR2(5)
25	VEGETATION_CODE A code describing various Vegetation Species.	NOT NULL	VARCHAR2(8)
30	PARENT_TREE_REG_STATUS_CODE The code that indicates the status of the Parent Tree registration	NOT NULL	VARCHAR2(3)
50	LOCAL_NUMBER A number that has historically been used to identify a Parent Tree.	NULL	VARCHAR2(20)
60	ACTIVE_IND Indicates whether the parent tree selection is active or inactive.	NULL	VARCHAR2(1)
70	TESTED_IND Indicates whether the parent tree selection is tested or untested.	NULL	VARCHAR2(1)
75	BREEDING_PROGRAM_IND 2005-01-25 R.A.Robb (Parent Tree) - This column was not originally modeled as an attribute but is the resolution of the BREEDING PROGRAM sub-entity.	NULL	VARCHAR2(1)
80	SELECTION_DATE The year in which the Parent Tree was selected for use in the breeding program.	NULL	DATE
90	BC_SOURCE_IND Indicates whether the selection originated from within or outside British Columbia.	NULL	VARCHAR2(1)
110	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
120	CLIENT_LOCN_CODE 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.	NULL	VARCHAR2(2)
200	NATURAL_SELECTION_TYPE_CODE Initial values: Plus Tree PLS, Provenance PRV 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	VARCHAR2(3)
205	GEOGRAPHIC_LOCATION A free format text description of the geographic location where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	VARCHAR2(30)
210	LATITUDE_DEGREES The latitude (degrees portion) where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	NUMBER(2)
220	LATITUDE_MINUTES The latitude (minutes portion) where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	NUMBER(2)
230	LATITUDE_SECONDS The latitude (seconds portion) where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	NUMBER(2)
240	LONGITUDE_DEGREES The longitude (degrees portion) where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	NUMBER(3)

Table: PARENT_TREE (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
250	LONGITUDE_MINUTES The longitude (minutes portion) where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	NUMBER(2)
260	LONGITUDE_SECONDS The longitude (seconds portion) where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	NUMBER(2)
285	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	VARCHAR2(3)
290	ELEVATION The elevation in meters where the Parent Tree originated. 2004-01-25 R.A.Robb (Parent Tree) - Column is mandatory for Natural Stand Parent Trees. The Natural Stand sub-entity was collapsed into Parent Tree and this cannot be enforced by the database. Application will force entry.	NULL	NUMBER(5)
295	SELECTION_AGE The age of the parent tree selection in number of years.	NULL	NUMBER(3)
300	BGC_ZONE_CODE A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. 2005-01-25 R.A.Robb (Parent Tree) - BGC Zone/Subzone/Variant used in lieu of BEC_CODE_ID. Rationale is that the Parent Tree may only be described by the Zone, or only the Zone/Subzone. The combination, left to right, of Zone/Subzone/Variant will still be validated against BEC_CODE_TABLE but this will be an application-level validation.	NULL	VARCHAR2(4)
310	BGC_SUBZONE_CODE A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. 2005-01-25 R.A.Robb (Parent Tree) - BGC Zone/Subzone/Variant used in lieu of BEC_CODE_ID. Rationale is that the Parent Tree may only be described by the Zone, or only the Zone/Subzone. The combination, left to right, of Zone/Subzone/Variant will still be validated against BEC_CODE_TABLE but this will be an application-level validation.	NULL	VARCHAR2(3)
320	BGC_VARIANT 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. 2005-01-25 R.A.Robb (Parent Tree) - BGC Zone/Subzone/Variant used in lieu of BEC_CODE_ID. Rationale is that the Parent Tree may only be described by the Zone, or only the Zone/Subzone. The combination, left to right, of Zone/Subzone/Variant will still be validated against BEC_CODE_TABLE but this will be an application-level validation.	NULL	VARCHAR2(1)
500	BREEDING_SELECTION_TYPE_CODE 2004-01-25 R.A.Robb (Parent Tree) - Mandatory if the Parent Tree is in a Breeding Program (i.e. BREEDING_PROGRAM_IND = Y). To be enforced in the application.	NULL	VARCHAR2(3)
880	FEMALE_PARENT_PARENT_TREE_ID A unique identifier for each Parent Tree.	NULL	NUMBER(10)
890	MALE_PARENT_PARENT_TREE_ID A unique identifier for each Parent Tree.	NULL	NUMBER(10)
900	PARENT_TREE_COMMENT A free format text description of the selection of the Parent Tree and reasons for selection of that Parent	NULL	VARCHAR2(2000)

Table: PARENT_TREE (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Tree.		
910	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The userid of the individual who entered the Parent Tree on the system.		
920	ENTRY_TIMESTAMP	NOT NULL	DATE
	The time and date that the Parent Tree was entered on the system.		
930	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The userid of the individual who last updated the Parent Tree on the system.		
940	UPDATE_TIMESTAMP	NOT NULL	DATE
	The time and date that the Parent Tree was last updated on the system.		
999	REVISION_COUNT	NOT NULL	NUMBER(5)
1000	PT_TYPE	NOT NULL	VARCHAR2(10)

Unique Constraints:

PT_UK
 PARENT_TREE_NUMBER
 VEGETATION_CODE

Foreign Keys:

PT_BSTCD_DESCRIBED_BY_FK
 PT_BSTCD_FK
 BREEDING_SELECTION_TYPE_CODE =
 BREEDING_SELECTION_TYPE_CODE.BREEDING_SELECTION_TYPE_CODE
 PT_BZC_FK
 BGC_ZONE_CODE = BGC_ZONE_CODE.BGC_ZONE_CODE
 PT_CL1_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 PT_NSTCD_DESCRIBED_BY_FK
 PT_NSTCD_FK
 NATURAL_SELECTION_TYPE_CODE =
 NATURAL_SELECTION_TYPE_CODE.NATURAL_SELECTION_TYPE_CODE
 PT_PTRSC_FK
 PARENT_TREE_REG_STATUS_CODE =
 PARENT_TREE_REG_STATUS_CODE.PARENT_TREE_REG_STATUS_CODE
 PT_PT_FEMALE_PARENT_FK
 FEMALE_PARENT_PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID
 PT_PT_FK
 PT_PT_MALE_PARENT_FK
 MALE_PARENT_PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID
 PT_PT_PROGENY_OF_FK
 PT_SEED_PLAN_ZONE_CODE_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 PT_SPZC_FK
 PT_VEGETATION_CODE_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

PT_BSTCD_DESCRIBED_BY_FK_I
 PT_BSTCD_FK_I
 BREEDING_SELECTION_TYPE_CODE
 PT_BZC_FK_I
 BGC_ZONE_CODE
 PT_CL1_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 PT_NSTCD_DESCRIBED_BY_FK_I
 PT_NSTCD_FK_I
 NATURAL_SELECTION_TYPE_CODE

Table: PARENT_TREE (cont'd)*Indexes:*

PT_PTRSC_FK_I
PARENT_TREE_REG_STATUS_CODE
PT_PT_FEMALE_PARENT_FK_I
FEMALE_PARENT_PARENT_TREE_ID
PT_PT_FK_I
PT_PT_MALE_PARENT_FK_I
MALE_PARENT_PARENT_TREE_ID
PT_PT_PROGENY_OF_FK_I
PT_SEED_PLAN_ZONE_FK_I
SEED_PLAN_ZONE_CODE
PT_SPZC_FK_I
PT_VEGETATION_CODE_FK_I
VEGETATION_CODE

Notes:

PARENT TREE SUBSYSTEM
PARENT TREE SUBSYSTEM
PARENT TREE SUBSYSTEM

Table: PARENT_TREE_GENETIC_QUALITY*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	GENETIC_QUALITY_ID	NOT NULL	NUMBER(10)
20	RESEARCH_TEST_ID	NOT NULL	NUMBER(10)
30	RESEARCH_TEST_SERIES_NUMBER	NOT NULL	VARCHAR2(2)
40	PARENT_TREE_ID	NOT NULL	NUMBER(10)
	A unique identifier for each Parent Tree.		
50	SEED_PLAN_UNIT_ID	NOT NULL	NUMBER(10,0)
	A unique identifier which is assigned to a Seed Planning Unit.		
70	GENETIC_TYPE_CODE	NOT NULL	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).		
80	GENETIC_WORTH_CODE	NOT NULL	VARCHAR2(1)
	A code describing various Genetic Worths.		
100	ASSESSMENT_AGE	NOT NULL	NUMBER(3)
	The age in number of years of the assessment (commencing from year of sowing to year of measurement)		
110	ASSESSMENT_YEAR	NOT NULL	NUMBER(4)
	The year that the genetic quality was assessed.		
120	GENETIC_QUALITY_VALUE	NOT NULL	NUMBER(4,1)
	The genetic quality value based on the test assessment for a Parent Tree from a test no. and series?		
140	GENETIC_WORTH_CALC_IND	NOT NULL	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.		
1000	ENTRY_USERID	NULL	VARCHAR2(30)
1010	ENTRY_TIMESTAMP	NULL	DATE
1020	UPDATE_USERID	NULL	VARCHAR2(30)
1030	UPDATE_TIMESTAMP	NULL	DATE
1050	REVISION_COUNT	NULL	NUMBER(5)

Foreign Keys:

PTGQ_GTCD_FK
GENETIC_TYPE_CODE = GENETIC_TYPE_CODE.GENETIC_TYPE_CODE

PTGQ_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE

PTGQ_PTSPU_FK
PARENT_TREE_ID = PARENT_TREE_SEED_PLAN_UNIT.PARENT_TREE_ID
SEED_PLAN_UNIT_ID = PARENT_TREE_SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID

PTGQ_PT_FK
PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID

PTGQ_RSER_FK
RESEARCH_TEST_ID = RESEARCH_TEST_SERIES.RESEARCH_TEST_ID
RESEARCH_TEST_SERIES_NUMBER = RESEARCH_TEST_SERIES.RESEARCH_TEST_SERIES_NUMBER

Indexes:

PTGQ_GTCD_FK_I
GENETIC_TYPE_CODE

PTGQ_GWC_FK_I
GENETIC_WORTH_CODE

PTGQ_PTSPU_FK_I
PARENT_TREE_ID
SEED_PLAN_UNIT_ID

PTGQ_RSER_FK_I
RESEARCH_TEST_ID
RESEARCH_TEST_SERIES_NUMBER

Notes:

PARENT TREE SUBSYSTEM

Table: PARENT_TREE_GENETIC_TRAIT*Description:*

Resolves PARENT TREE and GENETIC WORTH CODE

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
* 8	GENETIC_WORTH_CODE A code describing various Genetic Worths.	NOT NULL	VARCHAR2(1)

Foreign Keys:

PTGT_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
PTGT_PT_FK
PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID

Indexes:

PTGT_GWC_FK_I
GENETIC_WORTH_CODE
PTGT_PT_FK_I
PARENT_TREE_ID

Notes:

PARENT TREE SUBSYSTEM

Table: PARENT_TREE_ORCHARD*Description:*

Manages the association between Orchards and Parent Trees.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	PT_PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
* 15	ORC_ORCHARD_ID A unique identifier which is assigned to a location where cuttings or A class seed is produced.	NOT NULL	VARCHAR2(3)
30	NUMBER_OF_RAMETS The number of Parent Tree ramets within an Orchard.	NULL	NUMBER(3)
40	ENTRY_TIMESTAMP	NOT NULL	DATE
50	ENTRY_USERID	NOT NULL	VARCHAR2(30)
930	UPDATE_USERID The userid of the individual who last updated the Parent Tree on the system.	NOT NULL	VARCHAR2(30)
940	UPDATE_TIMESTAMP The time and date that the Parent Tree was last updated on the system.	NOT NULL	DATE
999	REVISION_COUNT	NOT NULL	NUMBER(5)

Foreign Keys:

PTO_ORC_FK
ORC_ORCHARD_ID = ORCHARD.ORCHARD_ID
PTO_PT_FK
PT_PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID

Indexes:

PTORCH_ORC_FK_I
ORC_ORCHARD_ID

Notes:

PARENT TREE SUBSYSTEM

Table: PARENT_TREE_REG_STATUS_CODE*Description:*

Describes the status of the Parent Tree registration

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	PARENT_TREE_REG_STATUS_CODE The code that indicates the status of the Parent Tree registration	NOT NULL	VARCHAR2(3)
20	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
30	EFFECTIVE_DATE The associated values are available for use beginning on this date and time.	NOT NULL	DATE
40	EXPIRY_DATE The associated values are no longer available for use as of this date and time.	NOT NULL	DATE
50	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE

Notes:

PARENT TREE SUBSYSTEM

Table: PARENT_TREE_SEED_PLAN_UNIT*Description:*

Manages the association between Seed Plan Units and Parent Trees.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 5	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
* 10	SEED_PLAN_UNIT_ID A unique identifier which is assigned to a Seed Planning Unit.	NOT NULL	NUMBER(10,0)

Foreign Keys:

PTSPU_PT_FK
PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID
PTSPU_SPU_FK
SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID

Indexes:

PTSPU_ST2_FK_I
SEED_PLAN_UNIT_ID

Notes:

PARENT TREE SUBSYSTEM

Table: PLANTING_SEASON_CODE*Description:*

A list of valid Activity Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PLANTING_SEASON_CODE A code describing various Planting Seasons.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: POLLEN_CONTAMINATION_MTHD_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POLLEN_CONTAMINATION_MTHD_CODE Code that describes the pollen contamination method	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The associated values are available for use beginning on this date and time.	NOT NULL	DATE
4	EXPIRY_DATE The associated values are no longer available for use as of this date and time.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE

Table: PROV_FOREST_USE*Description:*

General header information to identify the type of forest land use managed by thge 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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
2	FILE_STATUS_ST	NOT NULL	VARCHAR2(3)
3	FILE_STATUS_DATE	NOT NULL	DATE
4	FILE_TYPE_CODE	NOT NULL	VARCHAR2(3)
5	FOREST_REGION	NOT NULL	NUMBER(10,0)
6	MGMT_UNIT_TYPE	NOT NULL	VARCHAR2(1)
7	MGMT_UNIT_ID	NOT NULL	VARCHAR2(4)
8	ENTRY_USERID	NOT NULL	VARCHAR2(8)
9	ENTRY_TIMESTAMP	NOT NULL	DATE
10	UPDATE_USERID	NOT NULL	VARCHAR2(8)
	An audit tracking mechanism identifying who modified this record.		
11	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: REGISTRATION_STANDARD*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REGISTRATION_STANDARD_SKEY	NOT NULL	NUMBER(10,0)
2	VEGETATION_CODE	NULL	VARCHAR2(8)
	A code which represents a species of tree or brush.		
3	GENETIC_CLASS_CODE	NOT NULL	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.		
4	SEEDLOT_TEST_CODE	NOT NULL	VARCHAR2(3)
	A code which represents the type of test that was performed against a seed lot.		
5	EFFECTIVE_DATE	NOT NULL	DATE
	The effective date the registration standard is in effect.		
6	EXPIRY_DATE	NULL	DATE
	The date the registration standard expires.		
7	MIN_STANDARD	NOT NULL	NUMBER(5,1)
	The minimum standard		
8	MAX_STANDARD	NOT NULL	NUMBER(5,1)
	The maximum standard		
9	STD_UNIT_MEASURE_CODE	NOT NULL	VARCHAR2(3)
	The standard unit of measurement for a registration standard		
10	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Unique Constraints:

I1\$_REGISTRATION_STANDARD
 VEGETATION_CODE
 GENETIC_CLASS_CODE
 SEEDLOT_TEST_CODE
 EFFECTIVE_DATE

Foreign Keys:

SPR_RS3_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 SPR_RS3_STC_FK
 SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE
 SPR_RS3_UOMC_FK
 STD_UNIT_MEASURE_CODE = UNIT_OF_MEASURE_CODE.UNIT_OF_MEASURE_CODE
 SPR_RS3_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: REG_DIST_ORGN*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	FOR_DISTRICT_NO	NOT NULL	NUMBER(10,0)
20	FOR_DISTRICT_CODE	NOT NULL	VARCHAR2(6)
30	FOR_REGION_NO	NOT NULL	NUMBER(6,0)
40	FOR_REGION_CODE	NOT NULL	VARCHAR2(6)

Table: REQUEST_ITEM**Description:**

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
3	STANDARD_WORKPLAN_SKEY A surrogate key which uniquely identifies a standard workplan.	NULL	NUMBER(10,0)
4	VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
5	SAMPLE_ID The identifier of a sample if it is not a seedlot.	NULL	VARCHAR2(5)
6	FAMILY_LOT_NUMBER 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.	NULL	VARCHAR2(13)
7	RQST_SDLNGS_RSRVD The number, in thousands, of seedlings that were requested from an owner's Reserve portion of a lot.	NOT NULL	NUMBER(6,1)
8	RQST_SDLNGS_SRPLS The number, in thousands, of seedlings that were requested from an owner's Surplus portion of a lot.	NOT NULL	NUMBER(6,1)
9	CONE_IND An indicator which represents whether a sample is for cone ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
10	NO_OF_CONTAINERS The number of containers (sacks of cones/bags of seed) that are part of the request item.	NULL	NUMBER(6,2)
11	NO_OF_CONES The number of cones that are part of the request item if it is a sample.	NULL	NUMBER(5,0)
12	CONE_VOLUME The total volume of cones, in hectolitres, that are part of the request item.	NULL	NUMBER(6,2)
13	SEED_QUANTITY The total volume of seed, in grams, that are part of the request item.	NULL	NUMBER(10,0)
14	SAMPLE_ELEVATION The representative elevation in meters where the sample originated.	NULL	NUMBER(5,0)
15	SHIPTO_CLI_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
16	SHIPTO_CLI_LOCN_CD 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.	NULL	VARCHAR2(2)
17	REQUIRED_BY_DATE The date (year, month and day) on which the requestor would like the services completed.	NULL	DATE
18	LATEST_ACTIONED_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.	NULL	DATE
19	RCMNDED_SOWING_DATE The system's recommended date in the given sowing year for which sowing should take place for a Seedling Request.	NULL	DATE
20	SPCFIED_SOWING_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.	NULL	DATE
21	TENDER_NUMBER A number assigned by Silviculture Branch which indicates the tender on which the request item has been assigned.	NULL	VARCHAR2(7)
22	TENDER_BID_GROUP 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. <i>2006-10-31 R.A.Robb (RIs 3.2)</i> <i>- modified maxlength from 2 to 3</i>	NULL	VARCHAR2(3)
23	TENDER_ISSUED_DATE	NULL	DATE

Table: REQUEST_ITEM (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The date (year, month and day) the request item was assigned to the Tender.		
24	ASSIGNED_PRICE	NULL	NUMBER(6,2)
	The assigned price assigned from the tendering process.		
25	NRSRY_OBLIGATN_IND	NULL	VARCHAR2(1)
	An indicator which identifies whether or not a nursery assignment has been finalized and obligated.		
26	NRSRY_CLI_NUMBER	NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
27	NRSRY_CLI_LOCN_CD	NULL	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.		
28	FACILITY_CODE	NULL	VARCHAR2(2)
	A code which represents the type of facility that the seedlings will be grown in.		
29	EXTRCT_CLI_NUMBER	NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
30	EXTRCT_CLI_LOCN_CD	NULL	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.		
31	AUTHORIZATION_CODE	NULL	VARCHAR2(3)
	a code which represents the form by which authority for the request was received.		
32	SRV_BLNG_CREATE_TS	NULL	DATE
	The time and date when service billing rows were created for the Request Item.		
33	SAMPLE_LOC_DESC	NULL	VARCHAR2(30)
	A free format text description of the location where the sample originated.		
34	INTERIM_STORAGE_LOC	NULL	VARCHAR2(50)
	The location where the Request Item will be stored before it reaches the location where the services are to be performed.		
35	AUTHORIZED_BY_PRSN	NULL	VARCHAR2(30)
	The name of the person who authorized the request.		
100	TEST_APPROVED_USERID	NULL	VARCHAR2(30)
	The date that the Request Test Services were approved for processing by the Tree Seed Centre. 2006-04-20 R.A.Robb (RIs 02_06_00) - added for PT#29148		
103	TEST_APPROVED_DATE	NULL	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 (RIs 02_06_00) - added for PT#29148		
105	TEST_UPDATE_USERID	NULL	VARCHAR2(30)
	The userid of the user who last updated the Request Test Services for the Request Item. 2006-04-20 R.A.Robb (RIs 02_06_00) - added for PT#29148		
110	TEST_UPDATE_TIMESTAMP	NULL	DATE
	The date and time that Request Test Services for the Request Item were last updated. 2006-04-20 R.A.Robb (RIs 02_06_00) - added for PT#29148		
115	TEST_COMMENT	NULL	VARCHAR2(2000)
	A general comment about the Request Test Services for the Request Item. 2006-04-20 R.A.Robb (RIs 02_06_00) - added for PT#29148		
120	SEEDLOT_QA_TEST_STATUS_CODE	NULL	VARCHAR2(3)
	Describes the status of Request Test Services for a Request Item. 2006-04-20 R.A.Robb (RIs 02_06_00) - added for PT#29148		

Unique Constraints:

I1\$_REQUEST_ITEM
NRSRY_CLI_NUMBER

Table: REQUEST_ITEM (cont'd)*Unique Constraints:*

NRSRY_CLI_LOCN_CD
REQUEST_SKEY
ITEM_ID
I2\$_REQUEST_ITEM
TENDER_NUMBER
TENDER_BID_GROUP
REQUEST_SKEY
ITEM_ID

Foreign Keys:

SPR_RI_AC_FK
AUTHORIZATION_CODE = AUTHORIZATION_CODE.AUTHORIZATION_CODE
SPR_RI_FC_FK
FACILITY_CODE = FACILITY_CODE.FACILITY_CODE
SPR_RI_SQATSCD_FK
SEEDLOT_QA_TEST_STATUS_CODE =
SEEDLOT_QA_TEST_STATUS_CODE.SEEDLOT_QA_TEST_STATUS_CODE
SPR_RI_SW_FK
STANDARD_WORKPLAN_SKEY = STANDARD_WORKPLAN.STANDARD_WORKPLAN_SKEY
SPR_RI_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I3\$_REQUEST_ITEM
REQUEST_SKEY
I4\$_REQUEST_ITEM
STANDARD_WORKPLAN_SKEY
I5\$_REQUEST_ITEM
FAMILY_LOT_NUMBER
SPR_RI_SQATSCD_FK_I
SEEDLOT_QA_TEST_STATUS_CODE

Notes:

2005-03-26 R.A.Robb (RIs 02_06_00)
- added the following for PT#29148:
TEST_APPROVED_USERID
TEST_APPROVED_DATE
TEST_UPDATE_USERID
TEST_UPDATE_TIMESTAMP
TEST_COMMENT
SEEDLOT_QA_TEST_STATUS_CODE (and associated FK)

2006-10-31 R.A.Robb (RIs 3.2)
- modified TENDER_BID_GROUP maxlength from 2 to 3

Table: REQUEST_ITEM_ACTIVITY*Description:*

The status of a significant activity performed against an item.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 3	STANDARD_ACTIVITY_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(3)
* 4	SEQUENCE_NO An assigned value which is used to order the activities performed against an item in a certain order.	NOT NULL	NUMBER(5,0)
5	ACTUAL_BEGIN_TS A timestamp which identifies when the activity was actually started.	NULL	DATE
6	PLANNED_END_DATE The date when the activity is scheduled to end.	NULL	DATE
7	ACTUAL_END_TS A timestamp which identifies when the activity was actually completed.	NULL	DATE
8	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_RIA_RI_FK
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
ITEM_ID = REQUEST_ITEM.ITEM_ID
SPR_RIA_SA1_FK
STANDARD_ACTIVITY_ID = STANDARD_ACTIVITY.STANDARD_ACTIVITY_ID

Indexes:

I1\$_REQUEST_ITEM_ACTIVITY
REQUEST_SKEY
ITEM_ID
I2\$_REQUEST_ITEM_ACTIVITY
STANDARD_ACTIVITY_ID

Table: REQUEST_ITEM_GENETIC_WORTH*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 3	GENETIC_WORTH_CODE A code describing various Genetic Worths.	NOT NULL	VARCHAR2(1)
4	GENETIC_WORTH_RTNG	NOT NULL	NUMBER(5)
5	ENTRY_USERID	NOT NULL	VARCHAR2(30)
6	ENTRY_TIMESTAMP	NOT NULL	DATE
7	UPDATE_USERID	NOT NULL	VARCHAR2(30)
8	UPDATE_TIMESTAMP	NOT NULL	DATE
9	REVISION_COUNT	NOT NULL	NUMBER(5)

Foreign Keys:

RIGW_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
RIGW_RI_FK
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
ITEM_ID = REQUEST_ITEM.ITEM_ID

Indexes:

RIGW_GWC_FK_I
GENETIC_WORTH_CODE
RIGW_RI_FK_I
REQUEST_SKEY
ITEM_ID

Table: REQUEST_OVERRIDE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 3	ENTRY_TIMESTAMP The time and date an override was entered onto the system.	NOT NULL	DATE
* 4	ENTRY_TIMESTAMP_MS The millisecond portion an override was entered onto the system.	NOT NULL	NUMBER(6,0)
5	ENTRY_USERID The userid of the individual that entered the request override.	NOT NULL	VARCHAR2(30)
6	EXCEPTION_CAUSE_CODE A code which identifies the cause of the exception for which the override was supplied.	NOT NULL	VARCHAR2(3)
7	REASON_DESC The reason given for the override.	NULL	VARCHAR2(60)

Foreign Keys:

SPR_RO_ECC_FK
EXCEPTION_CAUSE_CODE = EXCEPTION_CAUSE_CODE.EXCEPTION_CAUSE_CODE

SPR_RO_RI_FK
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
ITEM_ID = REQUEST_ITEM.ITEM_ID

Indexes:

I1\$_REQUEST_OVERRIDE
REQUEST_SKEY
ITEM_ID

Table: REQUEST_PREP_DAY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MONTH_OF_YEAR The number representation for the month in a year.	NOT NULL	VARCHAR2(2)
2	BRANCH_PREP_DAYS The number of days in a given month that it takes Silviculture Branch to process a request.	NOT NULL	NUMBER(5,0)
3	TSC_PREP_DAYS The number of days in a given month that it takes the Tree Seed Centre to process a request.	NOT NULL	NUMBER(5,0)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Table: REQUEST_SEEDLOT**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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 3	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 5	REQUEST_SEEDLOT_SKEY A sequentially assigned sequence number (surrogate key) to assist in uniquely identify an entry.	NOT NULL	NUMBER(10,0)
7	SEEDLOT_NUMBER 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.	NULL	VARCHAR2(5)
9	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
11	CLIENT_LOCN_CODE 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.	NULL	VARCHAR2(2)
13	RQST_FROM_RESERVE The actual amount requested from the balance of an owner's portion of reserved seed (grams).	NOT NULL	NUMBER(10,0)
15	RQST_FROM_SURPLUS The actual amount requested from the balance of an owner's portion of surplus seed (grams).	NOT NULL	NUMBER(10,0)
17	RQST_TEST_RESERVE The actual amount requested from the balance of an owner's portion of reserved seed (grams) for quality assurance testing within a seedling request.	NOT NULL	NUMBER(10,0)
19	RQST_TEST_SURPLUS The actual amount requested from the balance of an owner's portion of surplus seed (grams) for quality assurance testing within a seedling request.	NOT NULL	NUMBER(10,0)
21	RQST_TO_RESERVE The actual amount requested to be transferred to the balance of an owner's reserved portion of seed (grams).	NOT NULL	NUMBER(10,0)
23	RQST_TO_SURPLUS The actual amount that was requested to be transferred to the balance of an owner's surplus portion of seed (grams).	NOT NULL	NUMBER(10,0)
25	SEEDS_PER_CAVITY The number of seeds per cavity within a container that should be sown in order to produce a seedling.	NULL	NUMBER(3,1)
27	SWNG_CRCTN_FACTOR 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.	NULL	NUMBER(3,2)
29	SEEDS_PER_BLOCK 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.	NULL	NUMBER(5,0)
31	CAVITIES_PER_BLOCK The number of cavities per block based on the container type.	NULL	NUMBER(5,0)
33	GERMINATION_PCT 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.	NULL	NUMBER(5,0)
40	PEAK_VALUE_GRM_PCT The peak germination percentage achieved in a certain number of days. 2004-05-25 R.A.Robb - Added for PT#26641	NULL	NUMBER(5,0)
50	PEAK_VALUE_NO_DAYS The number of days to reach the peak value germination percentage. 2004-05-25 R.A.Robb - Added for PT#26641	NULL	NUMBER(5,0)
350	VIALE_SEEDS_METRE	NULL	NUMBER(5,0)

Table: REQUEST_SEEDLOT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
370	TREES_PER_METRE The number of viable seeds sown per metre of seed bed required to produce a given number of seedlings.	NULL	NUMBER(5,0)
380	COMMITMENT_IND The number of seedlings produced per metre of seed bed.	NOT NULL	VARCHAR2(1)
390	SEEDLOT_TEST_CODE An indicator used to define whether a request for seed is an outstanding commitment or not.	NULL	VARCHAR2(3)
400	SOWING_METHOD_CODE A code which represents the type of test that was performed against a seed lot.	NULL	VARCHAR2(1)
	A code which represents the type of sowing method/machine which is to be used.		

Unique Constraints:

I1\$_REQUEST_SEEDLOT
 REQUEST_SKEY
 ITEM_ID
 SEEDLOT_NUMBER
 CLIENT_NUMBER
 CLIENT_LOCN_CODE

Foreign Keys:

SPR_RS_RI_FK
 REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
 ITEM_ID = REQUEST_ITEM.ITEM_ID
 SPR_RS_SEE_FK
 SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER
 SPR_RS_SMC_FK
 SOWING_METHOD_CODE = SOWING_METHOD_CODE.SOWING_METHOD_CODE
 SPR_RS_STC_FK
 SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE

Indexes:

I2\$_REQUEST_SEEDLOT
 REQUEST_SKEY
 ITEM_ID
 I3\$_REQUEST_SEEDLOT
 SEEDLOT_NUMBER

Notes:

2004-05-25 R.A.Robb
 - Added PEAK_VALUE_GRM_PCT and PEAK_VALUE_NO_DAYS for PT#26641

Table: REQUEST_SEQUENCE*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_TYPE_CODE A code which represents the type of request transaction.	NOT NULL	VARCHAR2(3)
* 2	REQUEST_YEAR The year in which the requested services should be provided.	NOT NULL	NUMBER(5,0)
* 3	SOWING_YEAR The year in which the seed is sown to produce seedlings.	NOT NULL	NUMBER(5,0)
* 4	ORG_UNIT_NO 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".	NOT NULL	NUMBER(10,0)
5	REQUEST_SEQUENCE 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.	NOT NULL	NUMBER(5,0)
6	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_RS2_RTC_FK
REQUEST_TYPE_CODE = REQUEST_TYPE_CODE.REQUEST_TYPE_CODE

Indexes:

I1\$_REQUEST_SEQUENCE
ORG_UNIT_NO

Table: REQUEST_SERVICE*Description:*

A requested service to be performed on a request item.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 3	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 4	SEED_SERVICE_ID An identifier which represents the type of service which is being requested to be performed.	NOT NULL	VARCHAR2(3)
6	SEQUENCE_NO An assigned value which is used to order the services being requested in a certain order.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_RS1_RI_FK
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
ITEM_ID = REQUEST_ITEM.ITEM_ID
SPR_RS1_SRS_FK
SEED_SERVICE_ID = SEED_RELATED_SERVICE.SEED_SERVICE_ID

Indexes:

I1\$_REQUEST_SERVICE
REQUEST_SKEY
ITEM_ID

Table: REQUEST_TEST_SERVICE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 3	SEEDLOT_TEST_CODE A code which represents the type of test that was performed against a seed lot.	NOT NULL	VARCHAR2(3)
4	RETEST_DUE_DATE The date that the Test became due for retesting as directed by the Tree Seed Centre's Retesting Policy.	NULL	DATE
5	RETEST_CANCEL_IND 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').	NULL	VARCHAR2(1)
6	QTY_RESERVED 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.	NOT NULL	NUMBER(10,0)
7	QTY_SURPLUS 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.	NOT NULL	NUMBER(10,0)

Foreign Keys:

SPR_RTS_RI_FK
ITEM_ID = REQUEST_ITEM.ITEM_ID
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
SPR_RTS_STC_FK
SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE

Indexes:

I1\$_REQUEST_TEST_SERVICE
REQUEST_SKEY
ITEM_ID

Table: REQUEST_TYPE_CODE*Description:*

A list of valid Request Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_TYPE_CODE A code describing various Request Types.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: REQUEST_VEGLOT*Description:*

A request for cuttings from a particular lot.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
* 3	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 4	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 5	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
* 6	CUTTING_PRDCTN_YEAR The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.	NOT NULL	NUMBER(5,0)
8	ROOTING_SUCCESS_FCTR The percentage of total cuttings that are expected to produce acceptable rooted seedlings.	NOT NULL	NUMBER(5,0)
9	CTNG_FROM_RESERVE The actual amount requested from the balance of an owner's portion of reserved cuttings.	NOT NULL	NUMBER(7,1)
10	CTNG_FROM_SURPLUS The actual amount requested from the balance of an owner's portion of surplus cuttings.	NOT NULL	NUMBER(7,1)
11	COMMITMENT_IND An indicator used to define whether a request for cuttings is an outstanding commitment or not.	NOT NULL	VARCHAR2(1)

Foreign Keys:

SPR_RV_RI_FK
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
ITEM_ID = REQUEST_ITEM.ITEM_ID
SPR_RV_VLOQ_FK
VEG_LOT_ID = VEG_LOT_OWNER_QUANTITY.VEG_LOT_ID
CLIENT_NUMBER = VEG_LOT_OWNER_QUANTITY.CLIENT_NUMBER
CLIENT_LOCN_CODE = VEG_LOT_OWNER_QUANTITY.CLIENT_LOCN_CODE
CUTTING_PRDCTN_YEAR = VEG_LOT_OWNER_QUANTITY.CUTTING_PRDCTN_YEAR

Indexes:

I1\$_REQUEST_VEGLOT
REQUEST_SKEY
ITEM_ID
I2\$_REQUEST_VEGLOT
VEG_LOT_ID
CLIENT_NUMBER
CLIENT_LOCN_CODE

Notes:

2006-07-08 R.A.Robb (RIs 3.0)
- removed CTNG_AGE_CLASS_CODE and associated FK/index

Table: RESEARCH_PROJECT*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	PROJECT_ID	NOT NULL	NUMBER(10)
20	PROJECT_ROOT	NOT NULL	VARCHAR2(100)
30	SUB_EP	NULL	VARCHAR2(100)
40	RESEARCH_PROJECT_SHORT_NAME	NULL	VARCHAR2(100)
50	RESEARCH_PROJECT_NAME	NOT NULL	VARCHAR2(255)
60	PROJECT_DESCRIPTION	NULL	VARCHAR2(255)
100	ENTRY_USERID	NOT NULL	VARCHAR2(30)
110	ENTRY_TIMESTAMP	NOT NULL	DATE
120	UPDATE_USERID	NOT NULL	VARCHAR2(30)
130	UPDATE_TIMESTAMP	NOT NULL	DATE
999	REVISION_COUNT	NOT NULL	NUMBER(5)

Notes:

RESEARCH

Table: RESEARCH_TEST*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	RESEARCH_TEST_ID	NOT NULL	NUMBER(10)
20	RESEARCH_PROJECT_ID	NULL	NUMBER(10)
30	CLIENT_NUMBER	NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
40	CLIENT_LOCN_CODE	NULL	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.		
50	LOCAL_TEST_NUMBER	NOT NULL	VARCHAR2(20)
	The local identification number of the test (this should apply to Non-Ministry Client Tests also)		
60	LOCAL_TEST_NAME	NULL	VARCHAR2(50)
	The local identification name of the test (this should apply to Non-Ministry Client Tests also).		
65	VEGETATION_CODE	NOT NULL	VARCHAR2(8)
	A code describing various Vegetation Species.		
70	RESEARCH_TEST_TYPE_CODE	NOT NULL	VARCHAR2(3)
	Initial values: PX-Polycross, DI-Diallel, FS-Full Sib, OP-Open Pollinated, PV-Provenance, WR-Weevil Resistance		
300	TEST_COMMENT	NULL	VARCHAR2(4000)
	Any details related to the Research Test that cannot be described better another attribute.		
1000	ENTRY_USERID	NULL	VARCHAR2(30)
1010	ENTRY_TIMESTAMP	NULL	DATE
1020	UPDATE_USERID	NULL	VARCHAR2(30)
1030	UPDATE_TIMESTAMP	NULL	DATE
1040	REVISION_COUNT	NULL	NUMBER(5)

Foreign Keys:

RTEST_CL1_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 RTEST_RPROJ_FK
 RESEARCH_PROJECT_ID = RESEARCH_PROJECT.PROJECT_ID
 RTEST_RTTCD_FK
 RESEARCH_TEST_TYPE_CODE = RESEARCH_TEST_TYPE_CODE.RESEARCH_TEST_TYPE_CODE
 RTEST_VEGETATION_CODE_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

RTEST_CL1_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 RTEST_RPROJ_FK_I
 RESEARCH_PROJECT_ID
 RTEST_RTTCD_FK_I
 RESEARCH_TEST_TYPE_CODE

Notes:

PARENT TREE SUBSYSTEM

Table: RESEARCH_TEST_SERIES*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	RESEARCH_TEST_ID	NOT NULL	NUMBER(10)
* 20	RESEARCH_TEST_SERIES_NUMBER	NOT NULL	VARCHAR2(2)
30	TEST_PLANT_YEAR	NULL	NUMBER(4)
	The year in which the test was planted.		
35	RESEARCH_TEST_SERIES_COMMENT	NULL	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.		
1000	ENTRY_USERID	NOT NULL	VARCHAR2(30)
1010	ENTRY_TIMESTAMP	NOT NULL	DATE
1020	UPDATE_USERID	NOT NULL	VARCHAR2(30)
1030	UPDATE_TIMESTAMP	NOT NULL	DATE
1040	REVISION_COUNT	NOT NULL	NUMBER(5)

Foreign Keys:

RSER_RTEST_FK
RESEARCH_TEST_ID = RESEARCH_TEST.RESEARCH_TEST_ID

Indexes:

RSER_RTEST_FK_I
RESEARCH_TEST_ID

Notes:

PARENT TREE SUBSYSTEM

Table: RESEARCH_TEST_TYPE_CODE*Description:*

Initial values: Breeding, Genecology, Forest Health

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	RESEARCH_TEST_TYPE_CODE Initial values: PX-Polycross, DI-Diallel, FS-Full Sib, OP-Open Pollinated, PV-Provenance, WR-Weevil Resistance	NOT NULL	VARCHAR2(3)
20	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
30	EFFECTIVE_DATE	NOT NULL	DATE
40	EXPIRY_DATE The associated values are no longer available for use as of this date and time.	NOT NULL	DATE
50	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE

Notes:

PARENT TREE SUBSYSTEM

Table: RETEST_POLICY*Description:*

Defines the program parameters 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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
2	MIN_NO_OF_TREES The minimum number of trees needed to perform a retest.	NOT NULL	NUMBER(6,1)
3	NO_OF_MONTHS_STRGE The minimum number of months in storage before TSC performs a retest.	NOT NULL	NUMBER(5,0)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_RP1_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: REVENUE_CLASS_CODE*Description:*

A list of valid Revenue Class Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REVENUE_CLASS_CODE A code describing various Revenue Classes.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEASON_RANGE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PLANTING_SEASON_CODE A code which represents a time period within a year for which planting occurs.	NOT NULL	VARCHAR2(2)
3	START_DAY The month and day when the season begins.	NOT NULL	VARCHAR2(4)
5	END_DAY The month and day when the season ends.	NOT NULL	VARCHAR2(4)
7	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
9	DEFAULT_DAY The default month and day within a season when seedlings should be delivered to the planting site.	NULL	VARCHAR2(4)

Foreign Keys:

SPR_SR_PSC_FK
PLANTING_SEASON_CODE = PLANTING_SEASON_CODE.PLANTING_SEASON_CODE

Table: SEEDLING_CONTAINER_CODE*Description:*

A list of valid Container Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLING_CONTAINER_CODE A code describing various Container Codes.	NOT NULL	VARCHAR2(4)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEEDLING_STOCK_AGE_CODE*Description:*

A list of valid Stock Age Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLING_STOCK_AGE_CODE A code describing various Stock Age.	NOT NULL	VARCHAR2(6)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEEDLING_STOCK_TYPE_CODE*Description:*

A list of valid Stock Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLING_STOCK_TYPE_CODE A code describing various Stock Types.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEEDLOT*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
6	SEEDLOT_STATUS_CODE A code which represents the current status of a lot.	NOT NULL	VARCHAR2(3)
11	VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
16	GENETIC_CLASS_CODE 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.	NULL	VARCHAR2(1)
21	COLLECTION_SOURCE_CODE A code which identifies the collection source for seed. The first character is the GENETIC_CLASS_CODE.	NULL	VARCHAR2(2)
22	SUPERIOR_PRVNC_IND An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N' - No).	NULL	VARCHAR2(1)
27	ORG_UNIT_NO 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".	NULL	NUMBER(10,0)
28	REGISTERED_SEED_IND An indicator which represents whether a seed lot is registered for crown land reforestation use ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
29	TO_BE_REGISTRD_IND An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
30	REGISTERED_DATE The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.	NULL	DATE
31	FS721A_SIGNED_IND An indicator which represents whether the FS721A form was signed ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
32	BC_SOURCE_IND Indicates whether the source of the seedlot is within British Columbia	NULL	VARCHAR2(1)
37	NAD_DATUM_CODE A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.	NULL	VARCHAR2(2)
38	UTM_ZONE The Universal Transverse Mercator location reference for the location (planting site for Request or origin for lot). This is the zone reference.	NULL	NUMBER(5,0)
39	UTM_EASTING The Universal Transverse Mercator location reference for the planting site. This is the Easting reference (metres east of the Central Meridian of the zone).	NULL	NUMBER(10,0)
40	UTM_NORTHING The Universal Transverse Mercator location reference for the planting site. This is the Northing reference (metres north of the Equator).	NULL	NUMBER(10,0)
41	LONGITUDE_DEGREES The longitude (degrees portion) for the intended use of the Seed Lot.	NULL	NUMBER(3,0)
42	LONGITUDE_MINUTES The longitude (minutes portion) for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
43	LONGITUDE_SECONDS The longitude (seconds portion) for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
44	LONGITUDE_DEG_MIN	NULL	NUMBER(3,0)
45	LONGITUDE_MIN_MIN	NULL	NUMBER(2,0)
46	LONGITUDE_SEC_MIN	NULL	NUMBER(2,0)
47	LONGITUDE_DEG_MAX	NULL	NUMBER(3,0)
48	LONGITUDE_MIN_MAX	NULL	NUMBER(2,0)
49	LONGITUDE_SEC_MAX	NULL	NUMBER(2,0)
50	LATITUDE_DEGREES	NULL	NUMBER(2,0)

Table: SEEDLOT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
51	The latitude (degrees portion) for the intended use of the Seed Lot. LATITUDE_MINUTES	NULL	NUMBER(2,0)
52	The latitude (minutes portion) for the intended use of the Seed Lot. LATITUDE_SECONDS	NULL	NUMBER(2,0)
53	The latitude (seconds portion) for the intended use of the Seed Lot. LATITUDE_DEG_MIN	NULL	NUMBER(2,0)
54	The minimum latitude (degrees portion) for the seedlot. LATITUDE_MIN_MIN	NULL	NUMBER(2,0)
55	The minimum latitude (minutes portion) for the seedlot. LATITUDE_SEC_MIN	NULL	NUMBER(2,0)
56	The minimum latitude (seconds portion) for the seedlot. LATITUDE_DEG_MAX	NULL	NUMBER(2,0)
57	The maximum latitude (degrees portion) for the seedlot. LATITUDE_MIN_MAX	NULL	NUMBER(2,0)
58	The maximum latitude (minutes portion) for the seedlot. LATITUDE_SEC_MAX	NULL	NUMBER(2,0)
63	The maximum latitude (seconds portion) for the seedlot. SEED_COAST_AREA_CODE	NULL	VARCHAR2(3)
64	A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone. ELEVATION	NULL	NUMBER(5,0)
65	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	NULL	NUMBER(5,0)
66	The minimum elevation in meters where the seed lot originated. ELEVATION_MAX	NULL	NUMBER(5,0)
71	The maximum elevation in meters where the seed lot originated. SEED_PLAN_UNIT_ID	NULL	NUMBER(10,0)
76	Identifies the Primary Parent Tree Area of Use upon which the lot is based. ORCHARD_ID	NULL	VARCHAR2(3)
81	A unique identifier which is assigned to a location where cuttings or A class seed is produced. SECONDARY_ORCHARD_ID	NULL	VARCHAR2(3)
82	A unique identifier which is assigned to a location where cuttings or A class seed is produced. COLLECTION_LOCN_DESC	NULL	VARCHAR2(30)
83	A free format text description of the location where the seed lot originated. COLLECTION_CLI_NUMBER	NULL	VARCHAR2(8)
84	A sequentially assigned number which uniquely identifies a Ministry client. COLLECTION_CLI_LOCN_CD	NULL	VARCHAR2(2)
85	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	NULL	DATE
86	The actual start date (year, month, and day) that the cones (source for seed lots) were collected. COLLECTION_END_DATE	NULL	DATE
91	The actual end date (year, month, and day) that the cones (source for seed lots) were collected. CONE_COLLECTION_METHOD_CODE	NULL	VARCHAR2(3)
92	A code representing the method in which the cones were collected. CONE_COLLECTION_METHOD2_CODE	NULL	VARCHAR2(3)
93	A code representing the method in which the cones were collected. COLLECTION_LAT_DEG	NULL	NUMBER(2,0)
94	The latitude (degrees portion) for the origin of the exotic seed lot. COLLECTION_LAT_MIN	NULL	NUMBER(2,0)
95	The latitude (minutes portion) for the origin of the exotic seed lot. COLLECTION_LAT_SEC	NULL	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		
100	COLLECTION_LATITUDE_CODE	NULL	VARCHAR2(2)
	A code which specifies whether the exotic origin latitude is north ('N') or south ('S').		

Table: SEEDLOT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
101	COLLECTION_LONG_DEG The longitude (degrees portion) for the origin of the exotic Seed Lot.	NULL	NUMBER(3,0)
102	COLLECTION_LONG_MIN The longitude (minutes portion) for the origin of the exotic Seed Lot.	NULL	NUMBER(2,0)
103	COLLECTION_LONG_SEC 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>	NULL	NUMBER(2,0)
108	COLLECTION_LONGITUDE_CODE A code which specifies whether the exotic origin longitude is east ('E') or west ('W').	NULL	VARCHAR2(2)
109	COLLECTION_ELEVATION 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.	NULL	NUMBER(5,0)
110	COLLECTION_ELEVATION_MIN The minimum elevation in meters where the exotic seed lot originated.	NULL	NUMBER(5,0)
111	COLLECTION_ELEVATION_MAX The maximum elevation in meters where the exotic seed lot originated.	NULL	NUMBER(5,0)
112	COLLECTION_AREA_RADIUS Radius of the seedlot collection area.	NULL	NUMBER(5,1)
113	COLLECTION_SEED_PLAN_ZONE_IND Indicates whether the seedlot collection took place in one seed planning zone.	NULL	VARCHAR2(1)
114	COLLECTION_BGC_IND Indicates whether the seedlot collection took place in one biogeoclimatic zone.	NULL	VARCHAR2(1)
115	NO_OF_CONTAINERS The number of containers (sacks of cones) that were collected.	NULL	NUMBER(6,2)
116	CLCTN_VOLUME The volume in hl (hectolitres) of the cones in the collection as reported on the cone collection form.	NULL	NUMBER(6,2)
117	VOL_PER_CONTAINER The volume of cones, in hectolitres, that were collected per container (as reported on the cone collection form).	NULL	NUMBER(6,2)
122	NMBR_TREES_FROM_CODE A code which represents the number of trees that the seed lot was collected from.	NULL	VARCHAR2(1)
123	EFFECTIVE_POP_SIZE The calculated number of parents contributing to the seed lot.	NULL	NUMBER(5,1)
124	ORIGINAL_SEED_QTY The original balance of seed in grams for the seed lot.	NULL	NUMBER(10,0)
129	INTERM_STRG_CLIENT_NUMBER The client number of the client who was responsible for interim storage of the cones.	NULL	VARCHAR2(8)
134	INTERM_STRG_CLIENT_LOCN The client location of the client who was responsible for interim storage of the cones.	NULL	VARCHAR2(2)
135	INTERM_STRG_ST_DATE The actual start date (year, month, and day) when the cone was stored during interim storage.	NULL	DATE
136	INTERM_STRG_END_DATE The actual end date (year, month, and day) when the cone was stored during interim storage.	NULL	DATE
141	INTERM_FACILITY_CODE A code which represents the type of facility where the seed was stored during interim storage.	NULL	VARCHAR2(3)
142	INTERM_STRG_LOCN The location where the tree seed was stored during interim storage.	NULL	VARCHAR2(55)
143	INTERM_STRG_CMT A free format text field used to enter general comments for interim storage.	NULL	VARCHAR2(125)
144	EXTRACTION_ST_DATE The actual start date (year, month, and day) when the seed was extracted from the cones.	NULL	DATE
145	EXTRACTION_END_DATE The actual end date (year, month, and day) when the seed was extracted from the cones.	NULL	DATE
146	EXTRACTION_VOLUME The volume in hl (hectolitres) of cones processed at the extractory.	NULL	NUMBER(6,2)
147	EXTRCT_CLI_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)

Table: SEEDLOT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
148	EXTRCT_CLI_LOCN_CD 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.	NULL	VARCHAR2(2)
149	EXTRACTION_COMMENT A free format text field used to enter general comments about extraction.	NULL	VARCHAR2(125)
150	STORED_CLI_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
151	STORED_CLI_LOCN_CD 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.	NULL	VARCHAR2(2)
152	LNGTERM_STRG_ST_DATE The actual start date (year, month and day) when the cone was stored during long-term storage at the Tree Seed Centre.	NULL	DATE
153	HISTORICAL_TSR_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.	NULL	DATE
154	OWNERSHIP_COMMENT A free format text field used to enter general comments for the tree seed ownership.	NULL	VARCHAR2(4000)
155	CONE_SEED_DESC A free format text description about the cone/seed condition.	NULL	VARCHAR2(250)
156	SEEDLOT_COMMENT A free format text field used to enter general comments for a seedlot.	NULL	VARCHAR2(2000)
157	TEMPORARY_STORAGE_START_DATE Commencement date of temporary seedlot storage	NULL	DATE
158	TEMPORARY_STORAGE_END_DATE End date of seedlot temporary storage	NULL	DATE
159	COLLECTION_STANDARD_MET_IND Indicates whether the seedlot meets the superior provenance standards in appendix 5 of the chief forester's standards for seed use.	NULL	VARCHAR2(1)
160	APPLICANT_EMAIL_ADDRESS Email address of client applying to register the seedlot	NULL	VARCHAR2(100)
161	BIOTECH_PROCESSES_IND Indicates if biotechnological processes been used to produce this lot.	NULL	VARCHAR2(1)
162	POLLEN_CONTAMINATION_IND Indicates if pollen contamination was present in the seed orchard	NULL	VARCHAR2(1)
163	POLLEN_CONTAMINATION_PCT The proportion of contaminant pollen present in the seed orchard.	NULL	NUMBER(3)
164	CONTROLLED_CROSS_IND Indicates whether the lot was produced through controlled crosses.	NULL	VARCHAR2(1)
165	ORCHARD_COMMENT Comments on cone or seed condition, collection origin, source, etc.	NULL	VARCHAR2(2000)
166	TOTAL_PARENT_TREES Total number of parent trees.	NULL	NUMBER(5)
167	SMP_PARENTS_OUTSIDE	NULL	NUMBER(5)
168	SMP_MEAN_BV_GROWTH	NULL	NUMBER(4,1)
169	SMP_SUCCESS_PCT	NULL	NUMBER(3)
170	CONTAMINANT_POLLEN_BV	NULL	NUMBER(4,1)
171	ORCHARD_CONTAMINATION_PCT	NULL	NUMBER(3)
172	COANCESTRY 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))	NULL	NUMBER(20,10)

Table: SEEDLOT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	"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)		
178	PROVENANCE_ID Superior provenance surrogate key.	NULL	NUMBER(5)
183	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NULL	VARCHAR2(3)
188	POLLEN_CONTAMINATION_MTHD_CODE Code that describes the pollen contamination method	NULL	VARCHAR2(4)
193	APPLICANT_CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
198	APPLICANT_CLIENT_LOCN 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.	NULL	VARCHAR2(2)
203	SEED_STORE_CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
208	SEED_STORE_CLIENT_LOCN 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.	NULL	VARCHAR2(2)
213	SEEDLOT_SOURCE_CODE Initial values: ?	NULL	VARCHAR2(3)
218	FEMALE_GAMETIC_MTHD_CODE A code describing various Gametic Method for female parent	NULL	VARCHAR2(4)
223	MALE_GAMETIC_MTHD_CODE A code describing various Gametic Method for male parent	NULL	VARCHAR2(4)
224	BGC_ZONE_CODE	NULL	VARCHAR2(4)
225	BGC_SUBZONE_CODE	NULL	VARCHAR2(3)
226	VARIANT	NULL	VARCHAR2(1)
232	BEC_VERSION_ID	NULL	NUMBER(10)
233	ENTRY_USERID The userid of the individual that entered the Seed Lot.	NOT NULL	VARCHAR2(30)
234	ENTRY_TIMESTAMP The time and date a Seed Lot was entered onto the system.	NOT NULL	DATE
240	UPDATE_USERID The userid of the individual that changed the Seed Lot.	NOT NULL	VARCHAR2(30)
241	UPDATE_TIMESTAMP The time and date a Seed Lot was last updated on the system.	NOT NULL	DATE
247	APPROVED_USERID The userid of the individual that approved the Seed Lot's information.	NULL	VARCHAR2(30)
248	APPROVED_TIMESTAMP The time and date a Seed Lot's information was approved.	NULL	DATE
250	DECLARED_USERID 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	NULL	VARCHAR2(30)
251	DECLARED_TIMESTAMP 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	NULL	DATE

Table: SEEDLOT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
252	REVISION_COUNT	NOT NULL	NUMBER(5,0)
A counter used to ensure data integrity. This item should be incremented during each update.			

Foreign Keys:

SPR_SEE_BVC_FK
 BEC_VERSION_ID = BEC_VERSION_CONTROL.BEC_VERSION_ID
 SPR_SEE_CCMC2_FK
 CONE_COLLECTION_METHOD2_CODE =
 CONE_COLLECTION_METHOD_CODE.CONE_COLLECTION_METHOD_CODE
 SPR_SEE_CCMC_FK
 CONE_COLLECTION_METHOD_CODE =
 CONE_COLLECTION_METHOD_CODE.CONE_COLLECTION_METHOD_CODE
 SPR_SEE_CL1_FK
 SEED_STORE_CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 SEED_STORE_CLIENT_LOCN = CLIENT_LOCATION.CLIENT_LOCN_CODE
 SPR_SEE_CL2_FK
 APPLICANT_CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 APPLICANT_CLIENT_LOCN = CLIENT_LOCATION.CLIENT_LOCN_CODE
 SPR_SEE_CL3_FK
 INTERM_STRG_CLIENT_LOCN = CLIENT_LOCATION.CLIENT_LOCN_CODE
 INTERM_STRG_CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 SPR_SEE_CLC1_FK
 COLLECTION_LONGITUDE_CODE = COLLECTION_LONGITUDE_CODE.COLLECTION_LONGITUDE_CODE
 SPR_SEE_CLC_FK
 COLLECTION_LATITUDE_CODE = COLLECTION_LATITUDE_CODE.COLLECTION_LATITUDE_CODE
 SPR_SEE_CSC2_FK
 COLLECTION_SOURCE_CODE = COLLECTION_SOURCE_CODE.COLLECTION_SOURCE_CODE
 SPR_SEE_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 SPR_SEE_GMC1_FK
 FEMALE_GAMETIC_MTHD_CODE = GAMETIC_MTHD_CODE.GAMETIC_MTHD_CODE
 SPR_SEE_GMC2_FK
 MALE_GAMETIC_MTHD_CODE = GAMETIC_MTHD_CODE.GAMETIC_MTHD_CODE
 SPR_SEE_IFC_FK
 INTERM_FACILITY_CODE = INTERM_FACILITY_CODE.INTERM_FACILITY_CODE
 SPR_SEE_NDC_FK
 NAD_DATUM_CODE = NAD_DATUM_CODE.NAD_DATUM_CODE
 SPR_SEE_NTFC_FK
 NMBR_TREES_FROM_CODE = NMBR_TREES_FROM_CODE.NMBR_TREES_FROM_CODE
 SPR_SEE_ORC2_FK
 SECONDARY_ORCHARD_ID = ORCHARD.ORCHARD_ID
 SPR_SEE_ORC_FK
 ORCHARD_ID = ORCHARD.ORCHARD_ID
 SPR_SEE_OU1_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
 SPR_SEE_PCMC_FK
 POLLEN_CONTAMINATION_MTHD_CODE =
 POLLEN_CONTAMINATION_MTHD_CODE.POLLEN_CONTAMINATION_MTHD_CODE
 SPR_SEE_SCAC_FK
 SEED_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE
 SPR_SEE_SPU_FK
 SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID
 SPR_SEE_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SPR_SEE_SSC3_FK
 SEEDLOT_STATUS_CODE = SEEDLOT_STATUS_CODE.SEEDLOT_STATUS_CODE
 SPR_SEE_SSCD_FK

Table: SEEDLOT (cont'd)*Foreign Keys:*

SEEDLOT_SOURCE_CODE = SEEDLOT_SOURCE_CODE.SEEDLOT_SOURCE_CODE
 SPR_SEE_SUPR_FK
 PROVENANCE_ID = SUPERIOR_PROVENANCE.PROVENANCE_ID
 SPR_SEE_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I2\$_SEEDLOT
 VEGETATION_CODE
 ELEVATION
 I3\$_SEEDLOT
 VEGETATION_CODE
 SEEDLOT_STATUS_CODE
 SEEDLOT_NUMBER
 GENETIC_CLASS_CODE
 I4\$_SEEDLOT
 ORCHARD_ID
 I5\$_SEEDLOT
 ORG_UNIT_NO
 I6\$_SEEDLOT
 VEGETATION_CODE
 ELEVATION
 LATITUDE_DEGREES
 GENETIC_CLASS_CODE
 I7\$_SEEDLOT
 VEGETATION_CODE
 ORCHARD_ID
 SEE_BVC_FK_I
 BEC_VERSION_ID
 SEE_VC_FK_I
 VEGETATION_CODE
 SPR_SEE_CCMC2_FK_I
 CONE_COLLECTION_METHOD2_CODE
 SPR_SEE_CCMC_FK_I
 CONE_COLLECTION_METHOD_CODE
 SPR_SEE_CL1_FK_I
 SEED_STORE_CLIENT_NUMBER
 SEED_STORE_CLIENT_LOCN
 SPR_SEE_CL2_FK_I
 APPLICANT_CLIENT_NUMBER
 APPLICANT_CLIENT_LOCN
 SPR_SEE_CL3_FK_I
 INTERM_STRG_CLIENT_NUMBER
 INTERM_STRG_CLIENT_LOCN
 SPR_SEE_CLC1_FK_I
 COLLECTION_LONGITUDE_CODE
 SPR_SEE_CLC_FK_I
 COLLECTION_LATITUDE_CODE
 SPR_SEE_CSC2_FK_I
 COLLECTION_SOURCE_CODE
 SPR_SEE_GCC_FK_I
 GENETIC_CLASS_CODE
 SPR_SEE_GMC1_FK_I
 FEMALE_GAMETIC_MTHD_CODE
 SPR_SEE_GMC2_FK_I
 MALE_GAMETIC_MTHD_CODE
 SPR_SEE_IFC_FK_I
 INTERM_FACILITY_CODE
 SPR_SEE_NDC_FK_I
 NAD_DATUM_CODE

Table: SEEDLOT (cont'd)*Indexes:*

SPR_SEE_NTFC_FK_I
NMBR_TREES_FROM_CODE
SPR_SEE_ORC2_FK_I
SECONDARY_ORCHARD_ID
SPR_SEE_PCMC_FK_I
POLLEN_CONTAMINATION_MTHD_CODE
SPR_SEE_SCAC_FK_I
SEED_COAST_AREA_CODE
SPR_SEE_SPU_FK_I
SEED_PLAN_UNIT_ID
SPR_SEE_SPZC_FK_I
SEED_PLAN_ZONE_CODE
SPR_SEE_SSC3_FK_I
SEEDLOT_STATUS_CODE
SPR_SEE_SSCD_FK_I
SEEDLOT_SOURCE_CODE
SPR_SEE_SUPR_FK_I
PROVENANCE_ID

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 column for calculation of Effective Population Size (with coancestry considered)

Table: SEEDLOT_AUDIT*Description:*

Audits modifications to SEEDLOTS.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 6	SEEDLOT_AUDIT_ID A unique sequence to identify an audited Seedlot instance.	NOT NULL	NUMBER(10)
11	AUDIT_DATE The date and time the audit record was created.	NOT NULL	DATE
16	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
21	SEEDLOT_STATUS_CODE A code which represents the current status of a lot.	NOT NULL	VARCHAR2(3)
26	SPAR_AUDIT_CODE	NOT NULL	VARCHAR2(1)
31	VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
36	GENETIC_CLASS_CODE 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.	NULL	VARCHAR2(1)
41	COLLECTION_SOURCE_CODE A code which identifies the collection source for seed. The first character is the GENETIC_CLASS_CODE.	NULL	VARCHAR2(2)
46	SUPERIOR_PRVNC_IND An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N' - No).	NULL	VARCHAR2(1)
51	ORG_UNIT_NO 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".	NULL	NUMBER(10,0)
56	REGISTERED_SEED_IND An indicator which represents whether a seed lot is registered for crown land reforestation use ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
61	TO_BE_REGISTRD_IND An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
66	REGISTERED_DATE The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.	NULL	DATE
71	FS721A_SIGNED_IND An indicator which represents whether the FS721A form was signed ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
76	BC_SOURCE_IND Indicates whether the source of the seedlot is within British Columbia	NULL	VARCHAR2(1)
81	NAD_DATUM_CODE A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.	NULL	VARCHAR2(2)
86	UTM_ZONE The Universal Transverse Mercator location reference for the location (planting site for Request or origin for lot). This is the zone reference.	NULL	NUMBER(5,0)
91	UTM_EASTING The Universal Transverse Mercator location reference for the planting site. This is the Easting reference (metres east of the Central Meridian of the zone).	NULL	NUMBER(10,0)
96	UTM_NORTHING The Universal Transverse Mercator location reference for the planting site. This is the Northing reference (metres north of the Equator).	NULL	NUMBER(10,0)
101	LONGITUDE_DEGREES The longitude (degrees portion) for the intended use of the Seed Lot.	NULL	NUMBER(3,0)
106	LONGITUDE_MINUTES The longitude (minutes portion) for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
107	LONGITUDE_SECONDS The longitude (seconds portion) for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
112	LONGITUDE_DEG_MIN	NULL	NUMBER(3,0)
117	LONGITUDE_MIN_MIN	NULL	NUMBER(2,0)
122	LONGITUDE_SEC_MIN	NULL	NUMBER(2,0)

Table: SEEDLOT_AUDIT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
123	LONGITUDE_DEG_MAX	NULL	NUMBER(3,0)
128	LONGITUDE_MIN_MAX	NULL	NUMBER(2,0)
129	LONGITUDE_SEC_MAX	NULL	NUMBER(2,0)
130	LATITUDE_DEGRÉES	NULL	NUMBER(2,0)
	The latitude (degrees portion) for the intended use of the Seed Lot.		
131	LATITUDE_MINUTES	NULL	NUMBER(2,0)
	The latitude (minutes portion) for the intended use of the Seed Lot.		
132	LATITUDE_SECONDS	NULL	NUMBER(2,0)
	The latitude (seconds portion) for the intended use of the Seed Lot.		
137	LATITUDE_DEG_MIN	NULL	NUMBER(2,0)
	The minimum latitude (degrees portion) for the seedlot.		
142	LATITUDE_MIN_MIN	NULL	NUMBER(2,0)
	The minimum latitude (minutes portion) for the seedlot.		
143	LATITUDE_SEC_MIN	NULL	NUMBER(2,0)
148	LATITUDE_DEG_MAX	NULL	NUMBER(2,0)
	The maximum latitude (degrees portion) for the seedlot.		
153	LATITUDE_MIN_MAX	NULL	NUMBER(2,0)
	The maximum latitude (minutes portion) for the seedlot.		
154	LATITUDE_SEC_MAX	NULL	NUMBER(2,0)
159	SEED_COAST_AREA_CODE	NULL	VARCHAR2(3)
	A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.		
164	ELEVATION	NULL	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.		
169	ELEVATION_MIN	NULL	NUMBER(5,0)
	The minimum elevation in meters where the seed lot originated.		
174	ELEVATION_MAX	NULL	NUMBER(5,0)
	The maximum elevation in meters where the seed lot originated.		
179	SEED_PLAN_UNIT_ID	NULL	NUMBER(10)
185	ORCHARD_ID	NULL	VARCHAR2(3)
	A unique identifier which is assigned to a location where cuttings or A class seed is produced.		
190	SECONDARY_ORCHARD_ID	NULL	VARCHAR2(3)
	A unique identifier which is assigned to a location where cuttings or A class seed is produced.		
195	COLLECTION_LOCN_DESC	NULL	VARCHAR2(30)
	A free format text description of the location where the seed lot originated.		
200	COLLECTION_CLI_NUMBER	NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
205	COLLECTION_CLI_LOCN_CD	NULL	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.		
210	COLLECTION_START_DATE	NULL	DATE
	The actual start date (year, month, and day) that the cones (source for seed lots) were collected.		
215	COLLECTION_END_DATE	NULL	DATE
	The actual end date (year, month, and day) that the cones (source for seed lots) were collected.		
220	CONE_COLLECTION_METHOD_CODE	NULL	VARCHAR2(3)
	A code representing the method in which the cones were collected.		
225	CONE_COLLECTION_METHOD2_CODE	NULL	VARCHAR2(3)
	A code representing the method in which the cones were collected.		
230	COLLECTION_LAT_DEG	NULL	NUMBER(2,0)
	The latitude (degrees portion) for the origin of the exotic seed lot.		
235	COLLECTION_LAT_MIN	NULL	NUMBER(2,0)
	The latitude (minutes portion) for the origin of the exotic seed lot.		
236	COLLECTION_LAT_SEC	NULL	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		
241	COLLECTION_LATITUDE_CODE	NULL	VARCHAR2(2)

Table: SEEDLOT_AUDIT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	A code which specifies whether the exotic origin latitude is north ('N') or south ('S').		
242	COLLECTION_LONG_DEG	NULL	NUMBER(3,0)
	The longitude (degrees portion) for the origin of the exotic Seed Lot.		
247	COLLECTION_LONG_MIN	NULL	NUMBER(2,0)
	The longitude (minutes portion) for the origin of the exotic Seed Lot.		
248	COLLECTION_LONG_SEC	NULL	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		
253	COLLECTION_LONGITUDE_CODE	NULL	VARCHAR2(2)
	A code which specifies whether the exotic origin longitude is east ('E') or west ('W').		
254	COLLECTION_ELEVATION	NULL	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.		
259	COLLECTION_ELEVATION_MIN	NULL	NUMBER(5,0)
	The minimum elevation in meters where the exotic seed lot originated.		
260	COLLECTION_ELEVATION_MAX	NULL	NUMBER(5,0)
	The maximum elevation in meters where the exotic seed lot originated.		
265	COLLECTION_AREA_RADIUS	NULL	NUMBER(5,1)
	Radius of the seedlot collection area.		
270	COLLECTION_SEED_PLAN_ZONE_IND	NULL	VARCHAR2(1)
	Indicates whether the seedlot collection took place in one seed planning zone.		
275	COLLECTION_BGC_IND	NULL	VARCHAR2(1)
	Indicates whether the seedlot collection took place in one biogeoclimatic zone.		
280	NO_OF_CONTAINERS	NULL	NUMBER(6,2)
	The number of containers (sacks of cones) that were collected.		
285	CLCTN_VOLUME	NULL	NUMBER(6,2)
	The volume in hl (hectolitres) of the cones in the collection as reported on the cone collection form.		
290	VOL_PER_CONTAINER	NULL	NUMBER(6,2)
	The volume of cones, in hectolitres, that were collected per container (as reported on the cone collection form).		
295	NMBR_TREES_FROM_CODE	NULL	VARCHAR2(1)
	A code which represents the number of trees that the seed lot was collected from.		
300	EFFECTIVE_POP_SIZE	NULL	NUMBER(5,1)
	The calculated number of parents contributing to the seed lot.		
305	ORIGINAL_SEED_QTY	NULL	NUMBER(10,0)
	The original balance of seed in grams for the seed lot.		
310	INTERM_STRG_CLIENT_NUMBER	NULL	VARCHAR2(8)
	The client number of the client who was responsible for interim storage of the cones.		
315	INTERM_STRG_CLIENT_LOCN	NULL	VARCHAR2(2)
	The client location of the client who was responsible for interim storage of the cones.		
320	INTERM_STRG_ST_DATE	NULL	DATE
	The actual start date (year, month, and day) when the cone was stored during interim storage.		
325	INTERM_STRG_END_DATE	NULL	DATE
	The actual end date (year, month, and day) when the cone was stored during interim storage.		
330	INTERM_FACILITY_CODE	NULL	VARCHAR2(3)
	A code which represents the type of facility where the seed was stored during interim storage.		
335	INTERM_STRG_LOCN	NULL	VARCHAR2(55)
	The location where the tree seed was stored during interim storage.		
336	INTERM_STRG_CMT	NULL	VARCHAR2(125)
	A free format text field used to enter general comments for interim storage.		
341	EXTRACTION_ST_DATE	NULL	DATE
	The actual start date (year, month, and day) when the seed was extracted from the cones.		
346	EXTRACTION_END_DATE	NULL	DATE
	The actual end date (year, month, and day) when the seed was extracted from the cones.		
351	EXTRACTION_VOLUME	NULL	NUMBER(6,2)
	The volume in hl (hectolitres) of cones processed at the extractory.		
356	EXTRCT_CLI_NUMBER	NULL	VARCHAR2(8)

Table: SEEDLOT_AUDIT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
361	EXTRCT_CLI_LOCN_CD A sequentially assigned number which uniquely identifies a Ministry client. 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.	NULL	VARCHAR2(2)
366	EXTRACTION_COMMENT A free format text field used to enter general comments about extraction.	NULL	VARCHAR2(125)
372	STORED_CLI_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
377	STORED_CLI_LOCN_CD 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.	NULL	VARCHAR2(2)
382	LNGTERM_STRG_ST_DATE The actual start date (year, month and day) when the cone was stored during long-term storage at the Tree Seed Centre.	NULL	DATE
387	HISTORICAL_TSR_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.	NULL	DATE
392	OWNERSHIP_COMMENT A free format text field used to enter general comments for the tree seed ownership.	NULL	VARCHAR2(4000)
397	CONE_SEED_DESC A free format text description about the cone/seed condition.	NULL	VARCHAR2(250)
402	SEEDLOT_COMMENT A free format text field used to enter general comments for a seedlot.	NULL	VARCHAR2(2000)
408	TEMPORARY_STORAGE_START_DATE Commencement date of temporary seedlot storage	NULL	DATE
413	TEMPORARY_STORAGE_END_DATE End date of seedlot temporary storage	NULL	DATE
418	COLLECTION_STANDARD_MET_IND Indicates whether the seedlot meets the superior provenance standards in appendix 5 of the chief forester's standards for seed use.	NULL	VARCHAR2(1)
423	APPLICANT_EMAIL_ADDRESS Email address of client applying to register the seedlot	NULL	VARCHAR2(100)
428	BIOTECH_PROCESSES_IND Indicates if biotechnological processes been used to produce this lot.	NULL	VARCHAR2(1)
434	POLLEN_CONTAMINATION_IND Indicates if pollen contamination was present in the seed orchard	NULL	VARCHAR2(1)
439	POLLEN_CONTAMINATION_PCT The proportion of contaminant pollen present in the seed orchard.	NULL	NUMBER(3)
444	CONTROLLED_CROSS_IND Indicates whether the lot was produced through controlled crosses.	NULL	VARCHAR2(1)
449	ORCHARD_COMMENT Comments on cone or seed condition, collection origin, source, etc.	NULL	VARCHAR2(2000)
454	TOTAL_PARENT_TREES Total number of parent trees.	NULL	NUMBER(5)
459	SMP_PARENTS_OUTSIDE	NULL	NUMBER(5)
465	SMP_MEAN_BV_GROWTH	NULL	NUMBER(4,1)
466	SMP_SUCCESS_PCT	NULL	NUMBER(3)
471	CONTAMINANT_POLLEN_BV	NULL	NUMBER(4,1)
476	ORCHARD_CONTAMINATION_PCT	NULL	NUMBER(3)
477	COANCESTRY 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.	NULL	NUMBER(20,10)

This value is used in calculating Effective Population Size when coancestry is considered. It represents:

$$COANCESTRY = \text{SUM} ((\text{Male Proportional Contribution} * \text{Female Proportional Contribution}) * (\text{Coancestry}$$

Table: SEEDLOT_AUDIT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u> (Value)	<u>Nulls?</u>	<u>Type</u>
	<p>"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.</p> <p>Note that the following items are calculated in SPAR for purposes of calculating Genetic Worth and Effective Population Size but are not stored:</p> <ul style="list-style-type: none"> - Male Proportional Contribution - Female Proportional Contribution <p>2006-01-12 R.A.Robb (PT#28861)</p> <p>- added for calculation of Effective Population Size (with coancestry considered)</p>		
482	PROVENANCE_ID Superior provenance surrogate key.	NULL	NUMBER(5)
487	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NULL	VARCHAR2(3)
492	POLLEN_CONTAMINATION_MTHD_CODE Code that describes the pollen contamination method	NULL	VARCHAR2(3)
497	APPLICANT_CLIENT_NUMBER Client number of the seedlot registration applicant	NULL	VARCHAR2(8)
498	APPLICANT_CLIENT_LOCN The client location code of the seedlot registration applicant	NULL	VARCHAR2(2)
513	SEED_STORE_CLIENT_NUMBER client number of the facility for seed storage	NULL	VARCHAR2(8)
514	SEED_STORE_CLIENT_LOCN client location code of the facility for seed storage	NULL	VARCHAR2(2)
519	SEEDLOT_SOURCE_CODE Initial values: ?	NULL	VARCHAR2(3)
524	FEMALE_GAMETIC_MTHD_CODE Code that describes the gametic contribution method code for a seedlot	NULL	VARCHAR2(3)
525	MALE_GAMETIC_MTHD_CODE Code that describes the gametic contribution method code for a seedlot	NULL	VARCHAR2(3)
530	BGC_ZONE_CODE	NULL	VARCHAR2(4)
535	BGC_SUBZONE_CODE A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NULL	VARCHAR2(3)
552	VARIANT 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.	NULL	VARCHAR2(1)
557	BEC_VERSION_ID	NULL	NUMBER(10)
558	ENTRY_USERID The userid of the individual that entered the Seed Lot.	NOT NULL	VARCHAR2(30)
589	ENTRY_TIMESTAMP The time and date a Seed Lot was entered onto the system.	NOT NULL	DATE
622	UPDATE_USERID The userid of the individual that changed the Seed Lot.	NOT NULL	VARCHAR2(30)
627	UPDATE_TIMESTAMP The time and date a Seed Lot was last updated on the system.	NOT NULL	DATE
671	APPROVED_USERID The userid of the individual that approved the Seed Lot's information.	NULL	VARCHAR2(30)
672	APPROVED_TIMESTAMP The time and date a Seed Lot's information was approved.	NULL	DATE
678	DECLARED_USERID The userid of the individual that declares the following:	NULL	VARCHAR2(30)
	<ul style="list-style-type: none"> - 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 		
679	DECLARED_TIMESTAMP	NULL	DATE

Table: SEEDLOT_AUDIT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	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		
689	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Foreign Keys:

SAUD_BZC_FK
 BGC_ZONE_CODE = BGC_ZONE_CODE.BGC_ZONE_CODE
 SAUD_CCMC_FK
 CONE_COLLECTION_METHOD_CODE =
 CONE_COLLECTION_METHOD_CODE.CONE_COLLECTION_METHOD_CODE
 SAUD_CLC1_FK
 COLLECTION_LONGITUDE_CODE = COLLECTION_LONGITUDE_CODE.COLLECTION_LONGITUDE_CODE
 SAUD_CLC_FK
 COLLECTION_LATITUDE_CODE = COLLECTION_LATITUDE_CODE.COLLECTION_LATITUDE_CODE
 SAUD_CSC2_FK
 COLLECTION_SOURCE_CODE = COLLECTION_SOURCE_CODE.COLLECTION_SOURCE_CODE
 SAUD_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 SAUD_GMC_FK1
 FEMALE_GAMETIC_MTHD_CODE = GAMETIC_MTHD_CODE.GAMETIC_MTHD_CODE
 SAUD_GMC_FK2
 MALE_GAMETIC_MTHD_CODE = GAMETIC_MTHD_CODE.GAMETIC_MTHD_CODE
 SAUD_IFC_FK
 INTERM_FACILITY_CODE = INTERM_FACILITY_CODE.INTERM_FACILITY_CODE
 SAUD_LSC_FK
 SEEDLOT_SOURCE_CODE = SEEDLOT_SOURCE_CODE.SEEDLOT_SOURCE_CODE
 SAUD_NDC_FK
 NAD_DATUM_CODE = NAD_DATUM_CODE.NAD_DATUM_CODE
 SAUD_NTFC_FK
 NMBR_TREES_FROM_CODE = NMBR_TREES_FROM_CODE.NMBR_TREES_FROM_CODE
 SAUD_PCMC_FK
 POLLEN_CONTAMINATION_MTHD_CODE =
 POLLEN_CONTAMINATION_MTHD_CODE.POLLEN_CONTAMINATION_MTHD_CODE
 SAUD_SAUDC_FK
 SPAR_AUDIT_CODE = SPAR_AUDIT_CODE.SPAR_AUDIT_CODE
 SAUD_SCAC_FK
 SEED_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE
 SAUD_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SAUD_SSC3_FK
 SEEDLOT_STATUS_CODE = SEEDLOT_STATUS_CODE.SEEDLOT_STATUS_CODE
 SAUD_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Notes:

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

-Added for Auditing

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 column for calculation of Effective Population Size (with coancestry considered)

Table: SEEDLOT_CHARACTERISTIC*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	LINE_ID The identifier for a line of text which describes the general characteristics of the seed lot.	NOT NULL	NUMBER(5,0)
3	LOT_CHARACTERISTIC 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.	NULL	VARCHAR2(75)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SC1_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Indexes:

I1\$_SEEDLOT_CHARACTERISTIC
SEEDLOT_NUMBER

Table: SEEDLOT_COLLECTION_GEOMETRY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEEDLOT_NUMBER	NOT NULL	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.		
20	GEOMETRY	NOT NULL	
	Spatial information describing the Seedlot's collection area (polygon) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only.		
30	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
40	FEATURE_AREA	NOT NULL	NUMBER(14,4)
45	FEATURE_PERIMETER	NOT NULL	NUMBER(14,4)
70	OBSERVATION_DATE	NULL	DATE
100	ENTRY_USERID	NOT NULL	VARCHAR2(30)
110	ENTRY_TIMESTAMP	NOT NULL	DATE
120	UPDATE_USERID	NOT NULL	VARCHAR2(30)
130	UPDATE_TIMESTAMP	NOT NULL	DATE
150	REVISION_COUNT	NOT NULL	NUMBER(5,0)

Foreign Keys:

SCAGEOM_CORPFC_FK
 FEATURE_CLASS_SKEY = FEATURE_CLASSES.FEATURE_CLASS_SKEY
 SCAGEOM_SEE_FK
 SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Indexes:

SCAGEOM_SEE_FK_I
 SEEDLOT_NUMBER

Table: SEEDLOT_GENETIC_WORTH*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	GENETIC_WORTH_CODE A code which represents a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	VARCHAR2(1)
3	GENETIC_WORTH_RTNG The rating for a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	NUMBER(5,0)
76	ENTRY_USERID The userid of the individual that entered the Seed Lot Genetic Worth. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
77	ENTRY_TIMESTAMP The time and date a Seed Lot Genetic Worth was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
78	UPDATE_USERID The userid of the individual that changed the Seed Lot. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
79	UPDATE_TIMESTAMP The time and date a Seed Lot Genetic Worth was last updated on the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
999	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$_SEEDLOT_GENETIC_WORTH
GENETIC_WORTH_CODE
SEEDLOT_NUMBER

Foreign Keys:

SPR_SGW_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
SPR_SGW_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Indexes:

I2\$_SEEDLOT_GENETIC_WORTH
SEEDLOT_NUMBER

Table: SEEDLOT_GENETIC_WORTH_AUDIT**Description:**

Audits modifications to SEEDLOT GENETIC WORTH.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 0	SEEDLOT_GENETIC_WORTH_AUDIT_ID A sequence used to identify a unique instance of a Seed Lot Genetic Worth Audit.	NOT NULL	NUMBER(10)
1	AUDIT_DATE The date and time the audit record was created.	NOT NULL	DATE
2	SPAR_AUDIT_CODE Provides the reason for the Audit record's existence.	NOT NULL	VARCHAR2(1)
30	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
40	GENETIC_WORTH_CODE A code which represents a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	VARCHAR2(1)
50	GENETIC_WORTH_RTNG The rating for a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	NUMBER(5,0)
76	ENTRY_USERID The userid of the individual that entered the Seed Lot Genetic Worth. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
77	ENTRY_TIMESTAMP The time and date a Seed Lot Genetic Worth was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
78	UPDATE_USERID The userid of the individual that changed the Seed Lot Genetic Worth. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
79	UPDATE_TIMESTAMP The time and date a Seed Lot Genetic Worth was last updated on the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
999	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SGWA_GWC_FK
 GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
 SGWA_SAUDC_FK
 SPAR_AUDIT_CODE = SPAR_AUDIT_CODE.SPAR_AUDIT_CODE

Notes:

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

Table: SEEDLOT_GEOMETRY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
2	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
3	GEOMETRY Spatial information describing the Seedlot's source (point) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only.	NOT NULL	
4	DATA_SOURCE_CODE	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE	NULL	VARCHAR2(30)
6	ENTRY_USERID The Userid associated with adding, approving or updating the changes to an associated record.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE
10	UPDATE_USERID The Userid associated with adding, approving or updating the changes to an associated record.	NOT NULL	VARCHAR2(30)
12	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE
14	REVISION_COUNT A counter to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SLGEOM_CORPCM_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD.CAPTURE_METHOD_CODE

SLGEOM_CORPFC_FK
FEATURE_CLASS_SKEY = FEATURE_CLASSES.FEATURE_CLASS_SKEY

SLGEOM_DSCD_FK
DATA_SOURCE_CODE = DATA_SOURCE_CODE.DATA_SOURCE_CODE

SLGEOM_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Table: SEEDLOT_HERITAGE*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PARENT_SEEDLOT_NO 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.	NOT NULL	VARCHAR2(5)
* 3	CHILD_SEEDLOT_NO 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.	NOT NULL	VARCHAR2(5)
5	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
7	REFERENCE_ID_DESC A reference identifier assigned to a transaction that affects the heritage of a seedlot.	NULL	VARCHAR2(30)

Foreign Keys:

SPR_SH_SEE_FK
PARENT_SEEDLOT_NO = SEEDLOT.SEEDLOT_NUMBER
SPR_SH_SEE_FK2
CHILD_SEEDLOT_NO = SEEDLOT.SEEDLOT_NUMBER

Indexes:

I1\$_SEEDLOT_HERITAGE
PARENT_SEEDLOT_NO
I2\$_SEEDLOT_HERITAGE
CHILD_SEEDLOT_NO

Table: SEEDLOT_OVERRIDE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	ENTRY_TIMESTAMP The date the override was applied.	NOT NULL	DATE
* 3	ENTRY_TIMESTAMP_MS The millisecond portion the override was applied.	NOT NULL	NUMBER(10,0)
4	ENTRY_USERID The userid associated with applying the override.	NOT NULL	VARCHAR2(30)
5	EXCEPTION_CAUSE_CODE A code which identifies the cause of the exception for which the override was supplied.	NOT NULL	VARCHAR2(3)
6	OVERRIDE_DESC The reason given for the override.	NULL	VARCHAR2(180)

Foreign Keys:

SPR_SO1_ECC_FK
EXCEPTION_CAUSE_CODE = EXCEPTION_CAUSE_CODE.EXCEPTION_CAUSE_CODE
SPR_SO1_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Indexes:

I1\$_SEEDLOT_OVERRIDE
SEEDLOT_NUMBER

Table: SEEDLOT_OWNER_QUANTITY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
4	ORIGINAL_PCT_OWNED The original percentage of seed that was owned by a client.	NOT NULL	NUMBER(4,1)
5	ORIGINAL_PCT_RSRVD The original percentage of seed from an owner's portion of a seed lot that has been declared surplus.	NOT NULL	NUMBER(4,1)
6	ORIGINAL_PCT_SRPLS The original percentage of seed from an owner's portion of a seed lot that has been declared surplus.	NOT NULL	NUMBER(4,1)
7	QTY_RESERVED 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.	NOT NULL	NUMBER(10,0)
8	QTY_RSRVD_CMTD_PLN 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.	NOT NULL	NUMBER(10,0)
9	QTY_RSRVD_CMTD_APR 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.	NOT NULL	NUMBER(10,0)
10	QTY_SURPLUS 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.	NOT NULL	NUMBER(10,0)
11	QTY_SRPLS_CMTD_PLN 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.	NOT NULL	NUMBER(10,0)
12	QTY_SRPLS_CMTD_APR 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.	NOT NULL	NUMBER(10,0)
13	AUTHORIZATION_CODE A code which represents the form by which authority for the Cone and Seed Processing request of the seedlot was received.	NULL	VARCHAR2(3)
14	METHOD_OF_PAYMENT_CODE A code which represents the method of payment for services where payment is required.	NULL	VARCHAR2(3)
15	SPAR_FUND_SRCE_CODE A code which represents the source funds for payment of the request.	NULL	VARCHAR2(3)
16	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$_SEEDLOT_OWNER_QUANTITY
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 SEEDLOT_NUMBER

Foreign Keys:

SPR_SOQ_AC_FK
 AUTHORIZATION_CODE = AUTHORIZATION_CODE.AUTHORIZATION_CODE
 SPR_SOQ_MOPC_FK
 METHOD_OF_PAYMENT_CODE = METHOD_OF_PAYMENT_CODE.METHOD_OF_PAYMENT_CODE

Table: SEEDLOT_OWNER_QUANTITY (cont'd)*Foreign Keys:*

SPR_SOQ_SEE_FK

SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

SPR_SOQ_SFSC_FK

SPAR_FUND_SRCE_CODE = SPAR_FUND_SRCE_CODE.SPAR_FUND_SRCE_CODE

Indexes:

I2\$_SEEDLOT_OWNER_QUANTITY

SEEDLOT_NUMBER

Table: SEEDLOT_PARENT_TREE**Description:**

Manages the association between Seedlots and Parent Trees.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 30	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
35	CONE_COUNT Number of cones used for the seedlot	NOT NULL	NUMBER(20,10)
37	POLLEN_COUNT Amount of pollen used for the seedlot	NOT NULL	NUMBER(20,10)
40	SMP_SUCCESS_PCT The supplementary mass pollination success on parent (%)	NULL	NUMBER(3)
50	SMP_MIX_BV_GROWTH Breeding value for the Growth trait of supplementary mass pollination mix used on parent 2006-08-22 R.A.Robb (RIs 3.1) - renamed from SMP MIX BV to SMP MIX BV G	NULL	NUMBER(4,1)
55	SMP_MIX_BV_RESISTANCE Breeding value for the Pest Resistance trait of supplementary mass pollination mix used on parent 2006-08-22 R.A.Robb (RIs 3.1) - added	NULL	NUMBER(4,1)
56	SMP_MIX_BV_DENSITY Breeding value for the Density trait of supplementary mass pollination mix used on parent 2006-11-20 R.A.Robb (RIs 3.2) - added	NULL	NUMBER(4,1)
57	SMP_MIX_BV_MAJOR_GENE Breeding value for the Major Gene Resistance trait of supplementary mass pollination mix used on parent 2006-11-20 R.A.Robb (RIs 3.2) - added	NULL	NUMBER(4,1)
60	SMP_MIX_LATITUDE_DEGREES Mean degrees latitude of supplementary mass pollination mix used on parent	NULL	NUMBER(2)
70	SMP_MIX_LATITUDE_MINUTES Mean minutes latitude of supplementary mass pollination mix used on parent	NULL	NUMBER(2)
80	SMP_MIX_LONGITUDE_DEGREES Mean degrees longitude of supplementary mass pollination mix used on parent	NULL	NUMBER(3)
90	SMP_MIX_LONGITUDE_MINUTES Mean minutes longitude of supplementary mass pollination mix used on parent	NULL	NUMBER(2)
100	SMP_MIX_ELEVATION Mean elevation of supplementary mass pollination mix used on parent	NULL	NUMBER(5)
110	NON_ORCHARD_POLLEN_CONTAM_PCT Non-orchard pollen contamination (%)	NULL	NUMBER(3)
120	TOTAL_GENETIC_WORTH_CONTRIB Total Parent (seed) genetic worth contribution to seedlot	NOT NULL	NUMBER
999	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPT_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Indexes:

SPT_PTO_FK_I
PARENT_TREE_ID
SPT_SEE_FK_I
SEEDLOT_NUMBER

Notes:

Table: SEEDLOT_PARENT_TREE (cont'd)*Notes:*

PARENT TREE SUBSYSTEM

2006-08-22 R.A.Robb (RIs 3.1)

- renamed SMP_MIX BV to SMP_MIX_BV_GROWTH
- added SMP_MIX_BV_RESISTANCE

2006-11-20 R.A.Robb (RIs 3.2)

- added SMP_MIX_BV_DENSITY and SMP_MIX_BV_MAJOR_GENE

Table: SEEDLOT_PARENT_TREE_GEN_QLTY**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
* 3	GENETIC_TYPE_CODE 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).	NOT NULL	VARCHAR2(2)
* 4	GENETIC_WORTH_CODE A code describing various Genetic Worths.	NOT NULL	VARCHAR2(1)
5	SEED_PLAN_UNIT_ID A unique identifier which is assigned to a Seed Planning Unit. <i>2005-09-15 R.A.Robb</i> <i>- changed to optional to allow for untested parent trees with no area of use as per Chief Forester's Standards</i>	NULL	NUMBER(10,0)
6	GENETIC_QUALITY_VALUE	NOT NULL	NUMBER(4,1)
7	ESTIMATED_IND 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.	NOT NULL	VARCHAR2(1)
8	UNTESTED_IND Indicates whether or not the test result was estimated for an untested Parent Tree.	NOT NULL	VARCHAR2(1)
9	REVISION_COUNT	NOT NULL	NUMBER(5)

Foreign Keys:

SPTGQ_GTCD_FK
GENETIC_TYPE_CODE = GENETIC_TYPE_CODE.GENETIC_TYPE_CODE

SPTGQ_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE

SPTGQ_SPT_FK
SEEDLOT_NUMBER = SEEDLOT_PARENT_TREE.SEEDLOT_NUMBER
PARENT_TREE_ID = SEEDLOT_PARENT_TREE.PARENT_TREE_ID

SPTGQ_ST2_FK
SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID

Indexes:

SPTGQ_GTCD_FK_I
GENETIC_TYPE_CODE

SPTGQ_GWC_FK_I
GENETIC_WORTH_CODE

SPTGQ_SPT_FK_I
SEEDLOT_NUMBER
PARENT_TREE_ID

SPTGQ_ST2_FK_I
SEED_PLAN_UNIT_ID

Notes:

2005-09-15 R.A.Robb
- changed SEED_PLAN_UNIT_ID to optional to allow for untested parent trees with no area of use as per Chief Forester's Standards

Table: SEEDLOT_PHYSICAL_BALANCE*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	COUNT_DATE The date (year, month and day) the quantity of seed was determined.	NOT NULL	DATE
* 3	COUNT_HOUR The hour of the day the quantity of seed was determined.	NOT NULL	NUMBER(5,0)
* 4	COUNT_MINUTES The minutes of the hour the quantity of seed was determined on a particular day.	NOT NULL	NUMBER(5,0)
5	QTY_SEED The actual quantity of seed, in grams, counted for a seedlot.	NOT NULL	NUMBER(10,0)
6	QTY_OUTAGE The difference (in grams) between the stock count balance and SPAR's physical balance at the time of the stock count.	NOT NULL	NUMBER(10,0)
7	OPENING_BAL_IND An indicator which identifies whether or not the quantity of seed represents the opening balance ('Y' yes) or not ('N' no).	NOT NULL	VARCHAR2(1)
8	ALLOCATED_IND 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.	NULL	VARCHAR2(1)
9	UPDATE_IND 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.	NULL	VARCHAR2(1)
10	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SP1_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Indexes:

I1\$_SEEDLOT_PHYSICAL_BALANCE
SEEDLOT_NUMBER

Table: SEEDLOT_PLAN_ZONE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 20	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which seed or cutting lots may be used.	NOT NULL	VARCHAR2(3)
30	PRIMARY_IND	NULL	VARCHAR2(1)
76	ENTRY_USERID The userid of the individual that entered the Seed Lot Plan Zone. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	VARCHAR2(30)
77	ENTRY_TIMESTAMP The time and date a Seed Lot Plan Zone was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	DATE
99	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SPZ_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER
SPR_SPZ_SPZC_FK
SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE

Indexes:

I1\$_SEEDLOT_PLAN_ZONE
SEEDLOT_NUMBER

Table: SEEDLOT_PLAN_ZONE_AUDIT**Description:**

Audits modifications to SEEDLOT PLAN ZONE.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 0	SEEDLOT_PLAN_ZONE_AUDIT_ID A unique sequence to identify an audited Seedlot Plan Zone Audit instance.	NOT NULL	NUMBER(10)
1	AUDIT_DATE The date and time the audit record was created.	NOT NULL	DATE
2	SPAR_AUDIT_CODE Provides the reason for the Audit record's existence.	NOT NULL	VARCHAR2(1)
30	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
40	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which seed or cutting lots may be used.	NOT NULL	VARCHAR2(3)
50	PRIMARY_IND	NULL	VARCHAR2(1)
76	ENTRY_USERID The userid of the individual that entered the Seed Lot Plan Zone. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	VARCHAR2(30)
77	ENTRY_TIMESTAMP The time and date a Seed Lot Plan Zone was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	DATE
99	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPZA_SAUDC_FK

SPAR_AUDIT_CODE = SPAR_AUDIT_CODE.SPAR_AUDIT_CODE

SPZA_SPZC_FK

SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE

Notes:

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

-Added for Auditing

Table: SEEDLOT_QA_TEST_STATUS_CODE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_QA_TEST_STATUS_CODE Describes the status of Request Test Services for a Request Item.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The associated values are available for use beginning on this date and time.	NOT NULL	DATE
4	EXPIRY_DATE The associated values are no longer available for use as of this date and time.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE

Notes:

2005-03-26 R.A.Robb (RIs 02_06_00)
- added for PT#29148

Table: SEEDLOT_SOURCE_CODE*Description:*

A list of valid Lot Source Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_SOURCE_CODE Initial values: ?	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The description associated with an affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Notes:

Check that these codes apply to veglots as well as seedlots

Table: SEEDLOT_STATUS_CODE*Description:*

A list of valid Seedlot based Status Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_STATUS_CODE A code describing various Seedlot Statuses.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEEDLOT_TEST*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	TEST_DATE The actual date (year, month, and day) that the test was completed.	NOT NULL	DATE
* 3	SEEDLOT_TEST_CODE A code which represents the type of test that was performed against a seed lot.	NOT NULL	VARCHAR2(3)
4	TEST_CLASS_CODE 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).	NULL	VARCHAR2(1)
5	PREFERRED_PREP_RNK 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.	NULL	VARCHAR2(1)
6	GERMINATION_PCT 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.	NOT NULL	NUMBER(5,0)
8	OTHER_TEST_RESULT 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).	NOT NULL	NUMBER(6,1)
9	CURRENT_TEST_IND An indicator which represents whether a particular test type is the most current for it's kind.	NOT NULL	VARCHAR2(1)
10	MOISTURE_PCT 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.	NOT NULL	NUMBER(4,1)
11	PURITY_PCT The percentage of a seedlot's weight which is comprised of pure seed.	NOT NULL	NUMBER(4,1)
12	PEAK_VALUE_GRM_PCT The peak germination percentage achieved in a certain number of days.	NOT NULL	NUMBER(5,0)
13	PEAK_VALUE_NO_DAYS The number of days to reach the peak value germination percentage.	NOT NULL	NUMBER(5,0)
14	SEEDS_PER_GRAM The number of seeds counted per gram of pure seed.	NOT NULL	NUMBER(5,0)
15	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$_SEEDLOT_TEST
SEEDLOT_NUMBER
CURRENT_TEST_IND
TEST_DATE
TEST_CLASS_CODE
PREFERRED_PREP_RNK
SEEDLOT_TEST_CODE

Foreign Keys:

SPR_ST_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER
SPR_ST_STC_FK
SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE
SPR_ST_TCC1_FK
TEST_CLASS_CODE = TEST_CLASS_CODE.TEST_CLASS_CODE

Table: SEEDLOT_TEST (cont'd)*Indexes:*

I2\$_SEEDLOT_TEST
SEEDLOT_NUMBER
CURRENT_TEST_IND
PREFERRED_PREP_RNK
GERMINATION_PCT
I3\$_SEEDLOT_TEST
SEEDLOT_NUMBER

Table: SEEDLOT_TEST_CODE*Description:*

A list of valid Seedlot Test Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_TEST_CODE A code describing various Seedlot Tests.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEEDLOT_TRANSACTION*Description:*

A list of all transactions affecting the owned quantity of seed on hand.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
* 4	ENTRY_TIMESTAMP A system generated date and time that records when the adjustment took place.	NOT NULL	DATE
* 5	ENTRY_TIMESTAMP_MS The millisecond portion of the Entry Timestamp.	NOT NULL	NUMBER(6,0)
6	ENTRY_USERID The system user identification of the individual that made the adjustment.	NOT NULL	VARCHAR2(30)
7	SEEDLOT_TRANSACTION_CODE A code which represents the reason for the transaction against a seed lot's balance of seed.	NOT NULL	VARCHAR2(3)
8	CHANGE_IN_RESERVE The actual amount that was added to or subtracted from the balance of an owner's portion of surplus seed (grams).	NOT NULL	NUMBER(10,0)
9	CHANGE_IN_SURPLUS The actual amount that was added to or subtracted from the balance of an owner's portion of surplus seed (grams).	NOT NULL	NUMBER(10,0)
10	USED_BY_CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
11	USED_BY_CLIENT_LOCN_CODE 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.	NULL	VARCHAR2(2)
12	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NULL	NUMBER(10,0)
13	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NULL	VARCHAR2(1)
14	REFERENCE_DESC 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.	NULL	VARCHAR2(50)
15	TRNSCTN_COMMENT General free format text about the seed lot transaction.	NULL	VARCHAR2(150)

Foreign Keys:

SPR_ST1_RI_FK
 REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
 ITEM_ID = REQUEST_ITEM.ITEM_ID
 SPR_ST1_SEE_FK
 SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER
 SPR_ST1_STC1_FK
 SEEDLOT_TRANSACTION_CODE = SEEDLOT_TRANSACTION_CODE.SEEDLOT_TRANSACTION_CODE

Indexes:

I1\$_SEEDLOT_TRANSACTION
 REQUEST_SKEY
 ITEM_ID
 I2\$_SEEDLOT_TRANSACTION
 SEEDLOT_NUMBER
 I3\$_SEEDLOT_TRANSACTION

Table: SEEDLOT_TRANSACTION (cont'd)*Indexes:*

SEEDLOT_NUMBER
SEEDLOT_TRANSACTION_CODE

Table: SEEDLOT_TRANSACTION_CODE*Description:*

A list of valid Seedlot Transaction Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_TRANSACTION_CODE A code describing various Seedlot Transactions.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEEDS_BLOCK*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLING_CONTAINER_CODE A code describing various Container Codes.	NOT NULL	VARCHAR2(4)
* 2	SEEDS_PER_CAVITY The number of seeds per cavity within a container that should be sown in order to produce a seedling based on the sowing rule.	NOT NULL	NUMBER(3,1)
3	SEEDS_PER_BLOCK 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.	NOT NULL	NUMBER(5,0)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SB_SCC_FK
SEEDLING_CONTAINER_CODE = SEEDLING_CONTAINER_CODE.SEEDLING_CONTAINER_CODE

Table: SEED_COAST_AREA_CODE*Description:*

A list of valid Coast Area Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEED_COAST_AREA_CODE A code describing variousCoast Areas.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEED_PLAN_UNIT*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEED_PLAN_UNIT_ID A unique identifier which is assigned to a Seed Planning Unit.	NOT NULL	NUMBER(10,0)
2	PRIMARY_IND Indicates that there are tested parent trees with breeding values for the Seed Plan Unit. <i>2005-03-22 R.A.Robb</i> <i>- Added for Parent Tree component release of SPAR (01_18_00)</i> <i>(not a SPAR table but DA requested we add and Vivid will add to MSRM LRDW)</i>	NOT NULL	VARCHAR2(1)
3	SEED_PLAN_ZONE_ID A code which represents an approved geographic area for which seed or cutting lots may be used.	NOT NULL	NUMBER(10)
7	ELEVATION_BAND Elevation Band for a Seed Planning Unit: High, Low, All <i>2006-03-20 R.A.Robb (RIs 02_06_00)</i> <i>- modified from maxlength=5 to maxlength=10 to support MID-HIGH, etc.</i>	NOT NULL	VARCHAR2(10)
10	ELEVATION_MAX Maximum elevation (metres) for a specific elevation band for the Seed Planning Unit	NOT NULL	NUMBER(5,0)
11	ELEVATION_MIN Minimum elevation (metres) for a specific elevation band for the Seed Planning Unit	NOT NULL	NUMBER(5,0)
12	CREATE_DATE The date that this SPU data is created.	NULL	DATE
13	LATITUDE_BAND Latitude band for a Coastal Seed Planning Unit only: North, South, or All	NULL	VARCHAR2(5)
14	LATITUDE_DEGREES_MIN Minimum latitude (degrees) for a specific latitude band for the Seed Planning Unit.	NULL	NUMBER(2,0)
15	LATITUDE_MINUTES_MIN Minimum latitude (minutes) for a specific latitude band for the SPU.	NULL	NUMBER(2,0)
16	LATITUDE_DEGREES_MAX Maximum latitude (degrees) for a specific latitude band for the Seed Planning Unit.	NULL	NUMBER(2,0)
17	LATITUDE_MINUTES_MAX Maximum latitude (minutes) for a specific latitude band for the SPU.	NULL	NUMBER(2,0)
18	PROGRAM_RANK Program Rank. A number indicating the priority rating (importance) of the SPU by the FGC	NULL	NUMBER(3,0)
19	TOTAL_SEEDLING_REQUIREMENTS An estimate of the seedling needs for the SPU (may be based on a 5 year average)	NULL	NUMBER(5,0)
20	UPDATE_DATE The date this Seed Planning Unit data was updated.	NULL	DATE
99	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

ST2_SPU_TABLE_I01_UK
ELEVATION_BAND
SEED_PLAN_ZONE_ID

Foreign Keys:

SPR_ST2_SEBC_FK
ELEVATION_BAND = ELEVATION_BAND.ELEVATION_BAND
SPR_ST2_SLBC_FK
LATITUDE_BAND = LATITUDE_BAND.LATITUDE_BAND
SPR_ST2_SPZC_FK
SEED_PLAN_ZONE_ID = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
SPR_ST2_VC_FK

Indexes:

ST2_SEBC_FK_I
ELEVATION_BAND
ST2_SLBC_FK_I
LATITUDE_BAND
ST2_SPZC_FK_I

Table: SEED_PLAN_UNIT (cont'd)*Indexes:*

SEED_PLAN_ZONE_ID
ST2_VC_FK_I

Notes:

2005-01-25 R.A.Robb (Parent Tree)

- changed name from "SPU_TABLE" to "SEED_PLAN_UNIT" to match Prod

2006-03-20 R.A.Robb (RIs 02_06_00)

- modified ELEVATION_BAND from maxlength=5 to maxlength=10 to support MID-HIGH, etc.

Table: SEED_PLAN_UNIT_GEOMETRY*Description:*

Defines the spatial boundary for a Seed Planning Unit.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	SEED_PLAN_UNIT_ID A unique identifier which is assigned to a Seed Planning Unit.	NOT NULL	NUMBER(10,0)
3	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
4	GEOMETRY	NOT NULL	IMAGE
5	ENTRY_USERID	NOT NULL	VARCHAR2(30)
6	ENTRY_TIMESTAMP	NOT NULL	DATE
7	UPDATE_USERID	NOT NULL	VARCHAR2(30)
9	UPDATE_TIMESTAMP	NOT NULL	DATE
11	REVISION_COUNT	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPUGEOM_CORPFC_FK
FEATURE_CLASS_SKEY = FEATURE_CLASSES.FEATURE_CLASS_SKEY
SPUGEOM_ST2_FK
SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID

Indexes:

SPUGEOM_CORPFC_FK_I
FEATURE_CLASS_SKEY
SPUGEOM_ST2_FK_I
SEED_PLAN_UNIT_ID

Table: SEED_PLAN_ZONE*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEED_PLAN_ZONE_ID	NOT NULL	NUMBER(10)
3	GENETIC_CLASS_CODE A code describing various Genetic Classes.	NOT NULL	VARCHAR2(1)
5	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NOT NULL	VARCHAR2(3)
7	VEGETATION_CODE A code describing various Vegetation Species.	NULL	VARCHAR2(8)

Foreign Keys:

SPZS_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 SPZS_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SPZS_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

SPZS_GCC_FK_I
 GENETIC_CLASS_CODE
 SPZS_SPZC_FK_I
 SEED_PLAN_ZONE_CODE
 SPZS_VC_FK_I
 VEGETATION_CODE

Table: SEED_PLAN_ZONE_CODE*Description:*

A list of valid Seed Planning Zone Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEED_PLAN_ZONE_GEOMETRY*Description:*

Defines the boundaries (polygon) for each Seed Plan Zone in the Province. Note that the boundaries may differ by Genetic Class.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEED_PLAN_ZONE_ID	NOT NULL	NUMBER(10)
20	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
30	GEOMETRY	NOT NULL	
	Spatial information describing the Seed Planning Zone's polygon within the province		
40	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The Userid associated with adding, approving or updating the changes to an associated record.		
50	ENTRY_TIMESTAMP	NOT NULL	DATE
	The Date and Time associated with adding, approving or updating the changes to an associated record.		
60	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The Userid associated with adding, approving or updating the changes to an associated record.		
70	UPDATE_TIMESTAMP	NOT NULL	DATE
	The Date and Time associated with adding, approving or updating the changes to an associated record.		
80	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter to ensure data integrity. This item should be incremented during each update.		

Foreign Keys:

SPZGEOM_CORPFC_FK
 FEATURE_CLASS_SKEY = FEATURE_CLASSES.FEATURE_CLASS_SKEY
 SPZGEOM_SPZS_FK
 SEED_PLAN_ZONE_ID = SEED_PLAN_ZONE.SEED_PLAN_ZONE_ID

Table: SEED_PLAN_ZONE_POLY_MVW*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEED_PLAN_ZONE_ID Seed Planning Zone unique identifier, identifying a spatial area within which a seedlot or vegetative lot can be transferred from its source when used for reforestation.	NOT NULL	NUMBER(10)
20	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
30	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NOT NULL	VARCHAR2(3)
35	GENETIC_CLASS_CODE A code describing various Genetic Classes.	NOT NULL	VARCHAR2(1)
40	VEGETATION_CODE A code describing various Vegetation Species.	NOT NULL	VARCHAR2(8)
60	AREA Area of the Spatial information describing the Seed Planning Zone's polygon within the province in HA	NULL	NUMBER(13)
65	GEOMETRY Spatial information describing the Seed Planning Zone's polygon within the province	NULL	VARCHAR2(240)
70	OBJECTID Used by SDE	NOT NULL	NUMBER(10)

Unique Constraints:

SPZV_UK
OBJECTID

Indexes:

SPZ_GC_I
GENETIC_CLASS_CODE
SPZ_VC_I
VEGETATION_CODE

Table: SEED_PRICE*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	SEED_PRICE_SKEY Surrogate key to uniquely identify a unique instance of a Seed Price.	NOT NULL	NUMBER(10)
5	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
7	GENETIC_CLASS_CODE 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.	NOT NULL	VARCHAR2(1)
8	GENETIC_WORTH_CODE 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.	NULL	VARCHAR2(1)
9	GENETIC_WORTH_RTNG The rating for a subclassification of genetic quality for 'A' class seed lots.	NULL	NUMBER(5,0)
10	MIN_GRMNTN_PCT The minimum germination percentage (the percentage of seeds that germinate and can produce seedlings) for the seed price.	NOT NULL	NUMBER(5,0)
11	MAX_GRMNTN_PCT The maximum germination percentage (the percentage of seeds that germinate and can produce seedlings) for the seed price.	NOT NULL	NUMBER(5,0)
12	PRICE_PER_KG The seed price per kilogram.	NOT NULL	NUMBER(6,2)
13	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SP_GCC_FK
GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
SPR_SP_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
SPR_SP_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: SEED_RELATED_SERVICE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEED_SERVICE_ID An identifier which represents the type of service which is being requested to be performed.	NOT NULL	VARCHAR2(3)
2	SERVICE_BILLING_METHOD_CODE A code which rrepresents the method of proportioning the cost, if any, of a service that may be billed to clients.	NULL	VARCHAR2(3)
3	BILL_CLIENT_IND An indicator used in billing which defined whether or not a service should be billed to a Ministry client.	NOT NULL	VARCHAR2(1)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
5	SERVICE_DESC The description of a seed related good or service.	NULL	VARCHAR2(50)

Foreign Keys:

SPR_SRS_SBMC_FK

SERVICE_BILLING_METHOD_CODE = SERVICE_BILLING_METHOD_CODE.SERVICE_BILLING_METHOD_CODE

Table: SEED_SEEDLOT_COLLECTION_SP*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.

This table is a view of seedlot_collection_geometry, seedlot and vegetation_code created for the Land and Resource Data Warehouse to show seedlot collection polygon and associated attribute data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
20	SEEDLOT_STATUS_CODE A code describing various Seedlot Statuses.	NOT NULL	VARCHAR2(3)
30	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
40	VEGETATION_SPECIES A description of the vegetation species.	NOT NULL	VARCHAR2(120)
50	GENETIC_CLASS_CODE 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.	NULL	VARCHAR2(1)
60	COLLECTION_ELEVATION_MIN The minimum elevation in meters where the seed lot originated.	NULL	NUMBER(5,0)
70	COLLECTION_ELEVATION_MAX The maximum elevation in meters where the seed lot originated.	NULL	NUMBER(5,0)
80	COLLECTION_ELEVATION The mean elevation in meters where the seed lot originated.	NULL	NUMBER(5,0)
90	BGC_ZONE_CODE A code uniquely identifying a Biogeoclimatic Zone of interest to MOF.	NULL	VARCHAR2(4)
100	BGC_SUBZONE_CODE 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.	NULL	VARCHAR2(3)
110	BGC_VERSION The version of Biogeoclimatic coverage used to calculate the BGC Zone and Subzone values.	NULL	NUMBER(10)
120	OBSERVATION_DATE The date that the collection area was observed.	NULL	DATE
130	FEATURE_AREA Spatial feature area in hectares.	NOT NULL	NUMBER(14,4)
140	FEATURE_PERIMETER Spatial perimeter length in kilometer.	NOT NULL	NUMBER(14,4)
150	GEOMETRY Spatial information describing the Seedlot's collection area (polygon) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only.	NOT NULL	
160	FEATURE_CLASS_SKEY The unique key assigned to a Feature Class by the Ministry of Forests.	NOT NULL	NUMBER(10,0)
170	CHANGE_TIMESTAMP_1 The date the Seedlot Collection Geometry was updated.	NOT NULL	DATE
180	CHANGE_TIMESTAMP_2 The date the Seedlot was updated.	NOT NULL	DATE
190	OBJECTID Unique values used by SDE.	NOT NULL	INTEGER

Unique Constraints:

SEED_SCP_UK
OBJECTID

Indexes:

SEED_SCP_GCC_I

Table: SEED_SEEDLOT_COLLECTION_SVW*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.

This view contains data originally gathered from the seedlot_collection_geometry, seedlot and vegetation_code created for the Land and Resource Data Warehouse to show seedlot collection polygon and associated attribute data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
5	SEEDLOT_NUMBER	NOT NULL	VARCHAR2(5)
10	SEEDLOT_STATUS_CODE	NOT NULL	VARCHAR2(3)
20	VEGETATION_CODE	NOT NULL	VARCHAR2(8)
30	VEGETATION_SPECIES	NOT NULL	VARCHAR2(120)
40	GENETIC_CLASS_CODE	NULL	VARCHAR2(1)
50	COLLECTION_ELEVATION	NULL	VARCHAR2(240)
60	COLLECTION_ELEVATION_MIN	NULL	NUMBER(5,0)
70	COLLECTION_ELEVATION_MAX	NULL	NUMBER(5,0)
80	BGC_ZONE_CODE	NULL	VARCHAR2(4)
90	BGC_SUBZONE_CODE	NULL	VARCHAR2(3)
100	BGC_VERSION	NULL	NUMBER(10)
110	OBSERVATION_DATE	NULL	DATE
120	FEATURE_AREA	NOT NULL	NUMBER(14,4)
130	FEATURE_PERIMETER	NOT NULL	NUMBER(14,4)
140	GEOMETRY	NOT NULL	IMAGE
150	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
160	OBJECTID	NULL	NUMBER(38)

Table: SEED_SEEDLOT_POINT_MVW*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
15	ACTIVE_IND 'Y' when active, 'N' otherwise.	NULL	VARCHAR2(240)
20	VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
40	COLLECTION_LATITUDE The latitude for the intended use of the Seed Lot.	NULL	VARCHAR2(2)
50	COLLECTION_LONGITUDE The longitude for the intended use of the Seed Lot.	NULL	VARCHAR2(2)
60	COLLECTION_ELEVATION 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.	NULL	NUMBER(5,0)
70	BEC_ZONE A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NULL	VARCHAR2(4)
80	SUPERIOR_PRVNC_IND 'Y' when a superior provenance id exists, 'N' otherwise	NULL	NUMBER(5)
90	USE_LATITUDE_MEAN The latitude for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
100	USE_LATITUDE_MIN The latitude for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
110	USE_LATITUDE_MAX The latitude for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
120	USE_LONGITUDE_MEAN The longitude for the intended use of the Seed Lot.	NULL	NUMBER(3,0)
130	USE_LONGITUDE_MIN The longitude for the intended use of the Seed Lot.	NULL	NUMBER(2,0)
140	USE_LONGITUDE_MAX The longitude for the intended use of the Seed Lot.	NULL	NUMBER(3,0)
150	USE_ELEVATION 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.	NULL	NUMBER(5,0)
160	MORE_INFO Additional Information in the form of a URL.	NOT NULL	VARCHAR2(5)
165	GEOMETRY Spatial information describing the Seed Lot's source (point) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only.	NULL	
170	OBJECTID Used by SDE	NOT NULL	INTEGER

Unique Constraints:

SSPV_UK
OBJECTID

Indexes:

SSPV_VC_I
VEGETATION_CODE

Table: SEED_SERVICE_CODE*Description:*

A list of valid Seed Service Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEED_SERVICE_CODE A code describing various Seed Services.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SEED_TEST_FREQUENCY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAX_SEED_TEST_FREQ_SKEY	NOT NULL	NUMBER(10)
	Surrogate key to uniquely identify an instance of a Seed Test Frequency.		
2	SEEDLOT_TEST_CODE	NOT NULL	VARCHAR2(3)
	A code which represents the type of test that was performed against a seed lot.		
7	VEGETATION_CODE	NULL	VARCHAR2(8)
	A code which represents a species of tree or brush.		
8	MIN_GERMINATION_PCT	NOT NULL	NUMBER(5,0)
	The minimum germination percentage needed to retest seed.		
9	MAX_GERMINATION_PCT	NOT NULL	NUMBER(5,0)
	The maximum germination percentage needed to retest seed.		
10	FREQUENCY	NOT NULL	NUMBER(5,0)
	The frequency (expressed in time units) with which seed is to be retested.		
11	SERVICE_TIME_UNIT_CODE	NOT NULL	VARCHAR2(3)
	The time units associated with the frequency in which seed is to be tested.		
12	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Foreign Keys:

SPR_STF_STC_FK

SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE

SPR_STF_STUC_FK

SERVICE_TIME_UNIT_CODE = SERVICE_TIME_UNIT_CODE.SERVICE_TIME_UNIT_CODE

SPR_STF_VC_FK

VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: SEED_VEG_LOT_POINT_MVW*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
20	ACTIVE_IND 'Y' when active, 'N' otherwise.	NULL	INTEGER
30	VEGETATION_CODE A code describing various Vegetation Species.	NULL	VARCHAR2(8)
40	COLLECTION_LATITUDE	NULL	VARCHAR2(2)
51	COLLECTION_LONGITUDE	NULL	VARCHAR2(2)
60	COLLECTION_ELEVATION	NULL	NUMBER(5,0)
70	BEC_ZONE	NULL	VARCHAR2(4)
80	SUPERIOR_PRVNC_IND 'Y' when a superior provenance id exists, 'N' otherwise	NULL	NUMBER(5)
90	USE_LATITUDE_MEAN The latitude for the Cutting Lot.	NULL	NUMBER(2,0)
100	USE_LATITUDE_MIN The latitude for the Cutting Lot.	NULL	NUMBER(2,0)
110	USE_LATITUDE_MAX The latitude for the Cutting Lot.	NULL	NUMBER(2,0)
120	USE_LONGITUDE_MEAN The logitude for the Cutting Lot.	NULL	NUMBER(3,0)
130	USE_LONGITUDE_MIN The logitude for the Cutting Lot.	NULL	NUMBER(3,0)
140	USE_LONGITUDE_MAX The logitude for the Cutting Lot.	NULL	NUMBER(3,0)
150	USE_ELEVATION The representative elevation in meters where the cutting lot parent trees originated.	NULL	NUMBER(5,0)
160	MORE_INFO Additional Information in the form of a URL.	NOT NULL	VARCHAR2(5)
165	GEOMETRY Spatial information describing the Veg Lot's source (point) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only.	NULL	
170	OBJECTID Used by SDE	NOT NULL	INTEGER

Unique Constraints:

SVPV_UK
OBJECTID

Indexes:

VEG_VC_I
VEGETATION_CODE

Table: SERVICE_BILLING*Description:*

Information associated with a single client's billable portion of a requested service.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SERVICE_BILLING_SKEY The maximum billing surrogate key value used by the system to identify a Service Billing.	NOT NULL	NUMBER(10,0)
3	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
5	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
7	BILLING_ITEM_ID The identifier which represents an item defined for billing purposes which represents a charge for performing a group of standard activities.	NULL	VARCHAR2(3)
9	COMPLETE_DATE The date on which a Request Item or manually billed Service Item was completed.	NULL	DATE
11	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NULL	NUMBER(10,0)
13	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NULL	VARCHAR2(1)
15	REVENUE_CLASS_CODE 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.	NOT NULL	VARCHAR2(3)
17	DEBIT_CREDIT_CODE A two character code to indicate if the amount is a debit or a credit.	NOT NULL	VARCHAR2(2)
19	BILLING_AMOUNT The amount associated with the client's service billing.	NOT NULL	NUMBER(7,2)
21	ADJUST_DB_CR_CODE A two character code to indicate if the adjustment amount is a debit or credit.	NULL	VARCHAR2(2)
23	ADJUSTMENT_AMOUNT The amount adjusted on a client's service billing.	NOT NULL	NUMBER(7,2)
25	SERVICE_BILLING_STATUS_CODE A code which represents the current status of a service billing.	NOT NULL	VARCHAR2(3)
27	NO_OF_UNITS The number of units pertaining to a line item on an invoice.	NOT NULL	NUMBER(7,2)
29	UNIT_PRICE The unit price portion, based upon the number of units for a particular billing item.	NOT NULL	NUMBER(7,2)
31	FIXED_PRICE_AMOUNT The fixed price portion for a particular billing item.	NOT NULL	NUMBER(7,2)
33	DISCOUNT_AMOUNT The discount amount for a particular billing item.	NOT NULL	NUMBER(7,2)
35	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
37	UPDATE_TIMESTAMP	NOT NULL	DATE
39	BILLING_ADJUSTMENT_CMT A free format text field used to enter general comments for a service billing adjustment.	NULL	VARCHAR2(50)
41	BILLING_ITEM_DESC Any item that appears on a service billing must have a description defining the item. That description is recorded here.	NULL	VARCHAR2(30)

Foreign Keys:

SPR_SB1_BI_FK
BILLING_ITEM_ID = BILLING_ITEM.BILLING_ITEM_ID
SPR_SB1_DCC1_FK
ADJUST_DB_CR_CODE = DEBIT_CREDIT_CODE.DEBIT_CREDIT_CODE
SPR_SB1_DCC_FK
DEBIT_CREDIT_CODE = DEBIT_CREDIT_CODE.DEBIT_CREDIT_CODE
SPR_SB1_RCC_FK

Table: SERVICE_BILLING (cont'd)*Foreign Keys:*

REVENUE_CLASS_CODE = REVENUE_CLASS_CODE.REVENUE_CLASS_CODE
SPR_SB1_RI_FK
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
ITEM_ID = REQUEST_ITEM.ITEM_ID
SPR_SB1_SBSC_FK
SERVICE_BILLING_STATUS_CODE = SERVICE_BILLING_STATUS_CODE.SERVICE_BILLING_STATUS_CODE

Indexes:

I1\$ SERVICE_BILLING
BILLING_ITEM_ID
I2\$ SERVICE_BILLING
REQUEST_SKEY
ITEM_ID
I3\$ SERVICE_BILLING
UPDATE_TIMESTAMP
SERVICE_BILLING_CLIENT_FK_I
CLIENT_NUMBER
CLIENT_LOCN_CODE

Notes:

2006-08-22 R.A.Robb (RIs 3.1)
- added index on client location information for PT#30592

Table: SERVICE_BILLING_METHOD_CODE*Description:*

A list of valid Billing Method Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SERVICE_BILLING_METHOD_CODE A code describing various Billing Methods.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SERVICE_BILLING_STATUS_CODE*Description:*

A list of valid Service Billing Status Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SERVICE_BILLING_STATUS_CODE A code describing various Service Billing Statuses.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SERVICE_TIME_UNIT_CODE*Description:*

A list of valid Service Time Unit Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SERVICE_TIME_UNIT_CODE A code describing various Service Time Units.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SHIPMENT*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TSC_WAYBILL_NO The waybill number assigned to a shipment by the Tree Seed Centre.	NOT NULL	NUMBER(10,0)
2	STANDARD_ACTIVITY_ID An identifier for a workstep performed to deliver a service.	NOT NULL	VARCHAR2(3)
3	PREPAID_IND 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.	NULL	VARCHAR2(1)

Foreign Keys:

SPR_SHI_SA1_FK
STANDARD_ACTIVITY_ID = STANDARD_ACTIVITY.STANDARD_ACTIVITY_ID

Indexes:

I1\$_SHIPMENT
STANDARD_ACTIVITY_ID

Table: SHIPMENT_ITEM*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SHIPMENT_ITEM_SKEY A surrogate key used to uniquely identify the shipment item.	NOT NULL	NUMBER(10,0)
3	TSC_WAYBILL_NO The waybill number assigned to a shipment by the Tree Seed Centre.	NOT NULL	NUMBER(10,0)
4	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NULL	NUMBER(10,0)
5	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NOT NULL	VARCHAR2(1)
6	BULK_ID Defines which items within a shipment are physically bulked together.	NULL	VARCHAR2(2)

Foreign Keys:

SPR_SI_RI_FK
REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY
ITEM_ID = REQUEST_ITEM.ITEM_ID
SPR_SI_SHI_FK
TSC_WAYBILL_NO = SHIPMENT.TSC_WAYBILL_NO

Indexes:

I1\$_SHIPMENT_ITEM
REQUEST_SKEY
ITEM_ID
I2\$_SHIPMENT_ITEM
TSC_WAYBILL_NO

Table: SHIPPING_INSTRUCTION*Description:*

A line of text that provides shipping details for a request item.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 3	LINE_ID A surrogate key to uniquely identify a line of shipping instructions.	NOT NULL	NUMBER(5,0)
4	SHIPPING_INSTRUCTION One line of text of shipping instruction.	NULL	VARCHAR2(78)

Foreign Keys:

SPR_SI1_SR_FK
REQUEST_SKEY = SPAR_REQUEST.REQUEST_SKEY

Table: SILV_ADMIN_ZONE*Description:*

Contains the organizational unit specific admin zones used for identifying areas of land along some similar feature. This table is district maintained.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORG_UNIT_NO 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".	NOT NULL	NUMBER(10,0)
* 2	DIST_ADMIN_ZONE A zonal code, district specific in meaning.	NOT NULL	VARCHAR2(2)
3	REVISION_COUNT Internal counter used by the system to avoid conflicting updates to the record.	NOT NULL	NUMBER(5,0)
4	ADMIN_ZONE_DESC A zonal description, district specific in meaning.	NOT NULL	VARCHAR2(50)

Table: SMP_MIX*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 2	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
3	AMOUNT_OF_MATERIAL The amount of parent tree material used for calculating the proportion of mix. Usually a volume recorded in mL.	NOT NULL	NUMBER(6)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5)

Foreign Keys:

SMPM_PT_FK
PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID
SMPM_SEE_FK
SEEDLOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER

Indexes:

SMPM_PT_FK_I
PARENT_TREE_ID
SMPM_SEE_FK_I
SEEDLOT_NUMBER

Notes:

2006-08-22 R.A.Robb (RIs 3.1)
- added

Table: SMP_MIX_GEN_QLTY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SEEDLOT_NUMBER 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.	NOT NULL	VARCHAR2(5)
* 20	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
* 30	GENETIC_TYPE_CODE 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).	NOT NULL	VARCHAR2(2)
* 40	GENETIC_WORTH_CODE A code describing various Genetic Worths.	NOT NULL	VARCHAR2(1)
50	GENETIC_QUALITY_VALUE The genetic quality value based on the test assessment for a Parent Tree from a test no. and series.	NOT NULL	NUMBER(4,1)
60	ESTIMATED_IND 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.	NOT NULL	VARCHAR2(1)
999	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5)

Foreign Keys:

SMGQ_GTCD_FK
 GENETIC_TYPE_CODE = GENETIC_TYPE_CODE.GENETIC_TYPE_CODE
 SMGQ_GWC_FK
 GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
 SMGQ_SMPM_FK
 SEEDLOT_NUMBER = SMP_MIX.SEEDLOT_NUMBER
 PARENT_TREE_ID = SMP_MIX.PARENT_TREE_ID

Indexes:

SMGQ_GTCD_FK_I
 GENETIC_TYPE_CODE
 SMGQ_GWC_FK_I
 GENETIC_WORTH_CODE
 SMGQ_SMPM_FK_I
 SEEDLOT_NUMBER
 PARENT_TREE_ID

Notes:

2006-08-22 R.A.Robb (RIs 3.1)
 - added

Table: SOWING_METHOD*Description:*

A table which defines the appropriate sowing method based on the minimum germination percentage and species.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
* 2	MIN_GRMNTN_PCT The minimum germination percentage (the percentage of seeds that germinate and can produce seedlings) used to determine the sowing method.	NOT NULL	NUMBER(5,0)
3	MAX_GRMNTN_PCT The maximum germination percentage (the percentage of seeds that germinate and can produce seedlings) used to determine the sowing method.	NOT NULL	NUMBER(5,0)
4	SOWING_METHOD_CODE A code which represents the type of sowing method/machine which is to be used.	NOT NULL	VARCHAR2(1)
5	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SM_SMC_FK
SOWING_METHOD_CODE = SOWING_METHOD_CODE.SOWING_METHOD_CODE
SPR_SM_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: SOWING_METHOD_CODE*Description:*

A list of valid Sowing Method Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SOWING_METHOD_CODE A code describing various Sowing Methods.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SOWING_RULE_FACTOR**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 = '').

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SOWING_RULE_FACTOR_SKEY	NOT NULL	NUMBER(10,0)
20	CLIENT_NUMBER	NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
30	CLIENT_LOCN_CODE	NULL	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.		
40	GENETIC_CLASS_CODE	NOT NULL	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.		
50	VEGETATION_CODE	NULL	VARCHAR2(8)
	A code describing various Vegetation Species. 2006-06-19 R.A.Robb (03_00_00) - added		
60	MIN_GRMNTN_PCT	NOT NULL	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.		
70	MAX_GRMNTN_PCT	NOT NULL	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.		
80	SEEDS_PER_CAVITY	NOT NULL	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.		
90	SWNG_CRCTN_FACTOR	NOT NULL	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.		
100	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Unique Constraints:

I1\$_SOWING_RULE_FACTOR
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 GENETIC_CLASS_CODE
 VEGETATION_CODE
 MIN_GRMNTN_PCT

Foreign Keys:

SPR_SRF_CL_FK
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 SPR_SRF_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 SPR_SRF_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Notes:

2006-06-19 R.A.Robb (03_00_00)
 - added VEGETATION_CODE and FK to VEGETATION_CODE
 - added missing FK to CLIENT_LOCATION
 - corrected order of columns

Table: SPAR_AUDIT*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_Ctnslot, Rqst_Override, Shpng_Instrctn, Request_Service, and Billing_Oblgtn tables.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPAR_AUDIT_SKEY Surrogate key to uniquely identify an instance of an audit.	NOT NULL	NUMBER(10)
3	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
7	TABLE_NAME The physical name of the table being audited.	NOT NULL	VARCHAR2(15)
8	COLUMN_NAME The column name of the table being audited.	NOT NULL	VARCHAR2(30)
9	ENTRY_TIMESTAMP The time and date a request was last updated on the system.	NOT NULL	DATE
10	ENTRY_TIMESTAMP_MS The millisecond portion of the time a request was last updated on the system.	NOT NULL	NUMBER(6)
11	ENTRY_USERID The userid of the individual that changed the request.	NOT NULL	VARCHAR2(30)
12	ROW_CONTENTS A copy of the entire row from the table being audited for the Request.	NULL	VARCHAR2(250)

Indexes:

I1\$_SPAR_AUDIT
REQUEST_SKEY

Table: SPAR_AUDIT_CODE*Description:*

Describes the action (create, update, delete) that caused the Seedlot information to be audited.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SPAR_AUDIT_CODE	NOT NULL	VARCHAR2(1)
20	DESCRIPTION	NOT NULL	VARCHAR2(120)
30	EFFECTIVE_DATE	NOT NULL	DATE
40	EXPIRY_DATE	NOT NULL	DATE
99	UPDATE_TIMESTAMP	NOT NULL	DATE

Notes:

2005-02-14 R.A.Robb

- Added

Table: SPAR_CUTBLOCK_LINK*Description:*

An association between a seedling request and its cut block information (used when the request is for a particular license).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 3	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type tenure.	NOT NULL	VARCHAR2(3)
* 4	CUT_BLOCK_ID Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).	NOT NULL	VARCHAR2(10)

Foreign Keys:

SPR_SCL_SR_FK
REQUEST_SKEY = SPAR_REQUEST.REQUEST_SKEY

Indexes:

I1\$_SPAR_CUTBLOCK_LINK
REQUEST_SKEY

Table: SPAR_FUND_SRCE_CODE*Description:*

A list of valid SPAR based Funding Source Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPAR_FUND_SRCE_CODE A code describing various Funding Sources.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SPAR_ORG_MGMT*Description:*

An association between a Seedling Request and Management Unit information at the Org Unit level

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
* 3	ORG_MGMT_UNIT_NO Sequentially assigned number to identify an Org_Unit, Management_Unit_Type, and Management_Unit_ID combination.	NOT NULL	NUMBER(10,0)

Foreign Keys:

SPR_SOM_OMU_FK
ORG_MGMT_UNIT_NO = ORG_MGMT_UNIT.ORG_MGMT_UNIT_NO
SPR_SOM_SR1_FK
REQUEST_SKEY = SPAR_REQUEST.REQUEST_SKEY

Indexes:

I1\$ _SPAR_ORG_MGMT
ORG_MGMT_UNIT_NO
I2\$ _SPAR_ORG_MGMT
REQUEST_SKEY

Table: SPAR_REQUEST*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10,0)
20	REQUEST_TYPE_CODE A code which represents the type of request transaction.	NOT NULL	VARCHAR2(3)
30	SOWING_YEAR The year in which the seed is sown to produce seedlings.	NOT NULL	NUMBER(5)
40	REQUEST_YEAR The year in which the requested services should be provided.	NOT NULL	NUMBER(5)
50	ORG_UNIT_NO 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".	NOT NULL	NUMBER(10,0)
60	REQUEST_SEQUENCE 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.	NOT NULL	NUMBER(5,0)
70	SPR_REQUEST_STATUS_CODE A code which represents the current status of a request.	NOT NULL	VARCHAR2(3)
80	RQST_CLI_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
90	RQST_CLI_LOCN_CD 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.	NULL	VARCHAR2(2)
100	DIST_ADMIN_ZONE A zonal code, district specific in meaning.	NULL	VARCHAR2(2)
110	INTENDED_USE_CODE A code which represents the intended use of seedlings on a Seedling Request.	NULL	VARCHAR2(3)
120	METHOD_OF_PAYMENT_CODE A code which represents the method of payment for services where payment is required.	NULL	VARCHAR2(3)
130	REQUIRED_BY_DATE The date (year, month and day) on which the requestor would like the services completed.	NULL	DATE
140	PRIORITY_DATE The date (year, month and day) on which the request became a priority.	NULL	DATE
150	AUTHORIZATION_CODE A code which represents the form by which authority for the request was received.	NULL	VARCHAR2(3)
160	SRVC_CLI_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
170	SRVC_CLI_LOCN_CD 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.	NULL	VARCHAR2(2)
180	VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
190	GENETIC_A_SPZ_CODE A code which represents the geographic area of the planned planting site for genetic A class seedling requests.	NULL	VARCHAR2(3)
200	GENETIC_B_SPZ_CODE A code which represents the geographic area of the planned planting site for genetic B class seedling requests.	NULL	VARCHAR2(3)
210	ELEVATION_SITE_MAX	NULL	NUMBER(5,0)
220	ELEVATION_SITE_MIN	NULL	NUMBER(5,0)
230	NAD_DATUM_CODE A code which represents the type of UTM reference (Zone, Easting, and Northing) being used.	NULL	VARCHAR2(2)
240	UTM_ZONE The Universal Transverse Mercator location reference. This is the Zone reference of the planned planting	NULL	NUMBER(5,0)

Table: SPAR_REQUEST (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	site.		
250	UTM_EASTING	NULL	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.		
260	UTM_NORTHING	NULL	NUMBER(10,0)
	The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator) of the planned planting site.		
270	LATITUDE_DEGREES	NOT NULL	NUMBER(2,0)
	The latitude (degrees portion) of the planned planting site.		
280	LATITUDE_MINUTES	NOT NULL	NUMBER(2,0)
	The latitude (minutes portion) of the planned planting site.		
290	LONGITUDE_DEGREES	NOT NULL	NUMBER(3,0)
	The longitude (degrees portion) of the planned planting site.		
300	LONGITUDE_MINUTES	NOT NULL	NUMBER(2,0)
	The longitude (minutes portion) of the planned planting site.		
310	SEED_COAST_AREA_CODE	NULL	VARCHAR2(3)
	A code representing the geographic area for the planned planning site if it is in the Maritime Seed Planning Zone.		
320	MAPSHEET_GRID	NULL	VARCHAR2(3)
330	MAPSHEET_LETTER	NULL	VARCHAR2(1)
340	MAPSHEET_SQUARE	NULL	VARCHAR2(3)
350	MAPSHEET_QUAD	NULL	VARCHAR2(1)
360	MAPSHEET_SUB_QUAD	NULL	VARCHAR2(1)
370	OPENING_NUMBER	NULL	VARCHAR2(4)
380	SEEDLING_STOCK_TYPE_CODE	NULL	VARCHAR2(3)
	A code describing various Stock Types.		
390	SEEDLING_CONTAINER_CODE	NULL	VARCHAR2(4)
	A code describing various Container Codes.		
400	SEEDLING_STOCK_AGE_CODE	NULL	VARCHAR2(6)
	A code describing various Stock Age.		
410	PLANTING_YEAR	NULL	NUMBER(5)
	The year in which the seedlings will be planted at the planting site.		
420	PLANTING_DAY	NULL	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.		
430	PLANTING_SEASON_CODE	NULL	VARCHAR2(2)
	A code which represents a time period within a year for which planting occurs.		
440	QTY_SEEDLINGS_RQST	NOT NULL	NUMBER(6,1)
	The total number, in thousands, of seedlings which are being requested.		
450	LOT_CLI_NUMBER	NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
460	LOT_CLI_LOCN_CD	NULL	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.		
470	LOT_OWNERSHIP_CODE	NULL	VARCHAR2(1)
480	CROWN_LAND_IND	NULL	VARCHAR2(1)
	An indicator which represents whether the planting site is located on Crown land.		
490	SPAR_REQUEST_REGULATION_CODE	NULL	VARCHAR2(4)
500	SPR_TENURE_CODE	NULL	VARCHAR2(3)
	A code which represents the type of licence agreement that applies to the planting site.		
510	SPAR_FUND_SRCE_CODE	NULL	VARCHAR2(3)
	A code which represents the source funds for payment of the request.		
520	NURSRY_CLI_NUMBER	NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
530	NURSRY_CLI_LOCN_CD	NULL	VARCHAR2(2)
	A code to uniquely identify, within each client, the addresses of different divisions or locations at which the		

Table: SPAR_REQUEST (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.		
540	INTENDED_USE_LOCN	NULL	VARCHAR2(30)
	A free format text field used to identify the planting site.		
550	AUTHORIZED_BY_PRSN	NULL	VARCHAR2(30)
	The name of the person who authorized the request.		
560	CLIENT_REFERENCE	NULL	VARCHAR2(25)
	A free format text field used to identify the client's reference for the request.		
	2007-08-10 R.A.Robb (RIs 4.0)		
	- This column is no longer used for Seedling Requests. Any existing reference information was converted into REQUEST_COMMENT.		
570	BGC_ZONE_CODE	NULL	VARCHAR2(4)
	Defines the intended Biogeoclimatic Zone for a Seedling Request.		
580	BGC_SUBZONE_CODE	NULL	VARCHAR2(3)
	Defines the intended Biogeoclimatic Subzone for a Seedling Request.		
590	VARIANT	NULL	VARCHAR2(1)
	Defines the intended Biogeoclimatic Variant for a Seedling Request.		
600	OPENING_ID	NULL	NUMBER(10)
	A foreign key identifying the Opening for which the seedlings resulting from a Seedling Request are destined.		
	2005-05-19 R.A.Robb		
	- Replaced OPENING mapsheet info with foreign key		
610	RQST_CHANGED_IND	NOT NULL	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.		
620	BATCH_JOB_ID	NULL	VARCHAR2(8)
	The name of the batch job that changed the request.		
630	BATCH_UPDATE_TS	NULL	DATE
	The time and date a request was updated by a batch job.		
640	APPROVED_USERID	NULL	VARCHAR2(30)
	The userid of the individual that approved the request.		
650	APPROVED_TIMESTAMP	NULL	DATE
	The time and date a request was approved.		
660	REQUEST_COMMENT	NULL	VARCHAR2(2000)
	A free format text field used to enter general comments for a request.		
	2007-08-10 R.A.Robb (RIs 4.0)		
	- Increased maxlength from 250 to 2000		
670	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The userid of the individual that entered the request.		
680	ENTRY_TIMESTAMP	NOT NULL	DATE
	The time and date a request was entered onto the system.		
690	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The userid of the individual that changed the request.		
700	UPDATE_TIMESTAMP	NOT NULL	DATE
	The time and date a request was last updated on the system.		
710	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Unique Constraints:

I1\$ SPAR_REQUEST
 REQUEST_TYPE_CODE
 SOWING_YEAR
 REQUEST_YEAR
 ORG_UNIT_NO
 REQUEST_SEQUENCE

Foreign Keys:

SPR_O_FK

Table: SPAR_REQUEST (cont'd)*Foreign Keys:*

OPENING_ID = OPENING.OPENING_ID
 SPR_SR1_AC_FK
 AUTHORIZATION_CODE = AUTHORIZATION_CODE.AUTHORIZATION_CODE
 SPR_SR1_BCT_FK
 SPR_SR1_IUC_FK
 INTENDED_USE_CODE = INTENDED_USE_CODE.INTENDED_USE_CODE
 SPR_SR1_MOPC_FK
 METHOD_OF_PAYMENT_CODE = METHOD_OF_PAYMENT_CODE.METHOD_OF_PAYMENT_CODE
 SPR_SR1_NDC_FK
 NAD_DATUM_CODE = NAD_DATUM_CODE.NAD_DATUM_CODE
 SPR_SR1_OC
 LOT_OWNERSHIP_CODE = LOT_OWNERSHIP_CODE.LOT_OWNERSHIP_CODE
 SPR_SR1_PSC_FK
 PLANTING_SEASON_CODE = PLANTING_SEASON_CODE.PLANTING_SEASON_CODE
 SPR_SR1_RTC_FK
 REQUEST_TYPE_CODE = REQUEST_TYPE_CODE.REQUEST_TYPE_CODE
 SPR_SR1_SCAC_FK
 SEED_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE
 SPR_SR1_SCC_FK
 SEEDLING_CONTAINER_CODE = SEEDLING_CONTAINER_CODE.SEEDLING_CONTAINER_CODE
 SPR_SR1_SFSC_FK
 SPAR_FUND_SRCE_CODE = SPAR_FUND_SRCE_CODE.SPAR_FUND_SRCE_CODE
 SPR_SR1_SPZC1_FK
 GENETIC_A_SPZ_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SPR_SR1_SPZC2_FK
 GENETIC_B_SPZ_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SPR_SR1_SRRCD_FK
 SPAR_REQUEST_REGULATION_CODE =
 SPAR_REQUEST_REGULATION_CODE.SPAR_REQUEST_REGULATION_CODE
 SPR_SR1_SRSC_FK
 SPR_REQUEST_STATUS_CODE = SPR_REQUEST_STATUS_CODE.SPR_REQUEST_STATUS_CODE
 SPR_SR1_SSAC_FK
 SEEDLING_STOCK_AGE_CODE = SEEDLING_STOCK_AGE_CODE.SEEDLING_STOCK_AGE_CODE
 SPR_SR1_SSC1_FK
 SEEDLING_STOCK_TYPE_CODE = SEEDLING_STOCK_TYPE_CODE.SEEDLING_STOCK_TYPE_CODE
 SPR_SR1_STC2_FK
 SPR_TENURE_CODE = SPR_TENURE_CODE.SPR_TENURE_CODE
 SPR_SR1_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I2\$ SPAR_REQUEST
 BGC_ZONE_CODE
 BGC_SUBZONE_CODE
 VARIANT
 I3\$ SPAR_REQUEST
 REQUEST_YEAR
 REQUEST_TYPE_CODE
 REQUEST_SEQUENCE
 I4\$ SPAR_REQUEST
 SOWING_YEAR
 ORG_UNIT_NO
 REQUEST_SEQUENCE
 I5\$ SPAR_REQUEST
 RQST_CLI_NUMBER
 RQST_CLI_LOCN_CD
 REQUEST_YEAR
 I6\$ SPAR_REQUEST
 REQUEST_YEAR

Table: SPAR_REQUEST (cont'd)*Indexes:*

ORG_UNIT_NO
DIST_ADMIN_ZONE
I7\$ _SPAR_REQUEST
ORG_UNIT_NO
I8\$ _SPAR_REQUEST
SPR_REQUEST_STATUS_CODE
REQUEST_SKEY
SPR_SR1_SRRCD_FK_I
SPAR_REQUEST_REGULATION_CODE

Notes:

2005-05-19 R.A.Robb

- Removed the following attributes -- they are replaced by OPENING_ID (i.e. FK to OPENING).

MAPSHEET_GRID
MAPSHEET_LETTER
MAPSHEET_SQUARE
MAPSHEET_QUAD
MAPSHEET_SUB_QUAD
OPENING_NUMBER

2007-08-10 R.A.Robb (RIs 4.0)

- Increased REQUEST_COMMENT maxlength from 250 to 2000

Table: SPAR_REQUEST_REGULATION_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	SPAR_REQUEST_REGULATION_CODE	NOT NULL	VARCHAR2(4)
20	DESCRIPTION	NOT NULL	VARCHAR2(120)
30	EFFECTIVE_DATE	NOT NULL	DATE
40	EXPIRY_DATE	NOT NULL	DATE
50	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: SPAR_YEAR_LIMIT*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DUMMY_ACCESS_KEY A system required column to allow the use of a where clause, avoiding trivial compiler warnings, without forcing a table scan.	NOT NULL	VARCHAR2(1)
2	SOWING_YEAR_LIMIT The number of years into the future from the current sowing year for which seedling requests will be allowed.	NOT NULL	NUMBER(5,0)
3	REQUEST_YEAR_LIMIT The number of years into the future from the current year for which other requests will be allowed. Other requests are non-seedling.	NOT NULL	NUMBER(5,0)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Table: SPECIES_AVERAGE_GERMINATION*Description:*

A table used to provide the average germination of a Species.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	GERMINATION_PCT 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.	NOT NULL	NUMBER(5,0)
2	SEEDS_PER_GRAM The number of seeds counted per gram of pure seed.	NOT NULL	NUMBER(5,0)
3	KG_YIELD_HL The kilogram yield of clean seed per hectolitre of cones extracted.	NULL	NUMBER(7,3)
4	GERMINATION_VALUE The germination value assigned to a seedlot, calculated as: peak germination value * mean daily germination value (expressed as percent over time).	NULL	NUMBER(10,0)
5	PEAK_VALUE_GRM_PCT The peak germination percentage achieved in a certain number of days.	NULL	NUMBER(10,0)
6	PEAK_VALUE_NO_DAYS The number of days required to reach the peak value germination percentage.	NULL	NUMBER(10,0)
7	BILLING_GERMINATION_PCT The germination percentage achieved in a certain number of days the client is to be billed for.	NOT NULL	NUMBER(5,0)
8	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
* 9	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)

Foreign Keys:

SPR_SAG_VC_FK

VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: SPECIES_GENETIC_SPZ_XREF*Description:*

A table containing a valid list of vegetation or tree species of a given genetic class that occurs within a seed planning zone.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 5	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
* 6	GENETIC_CLASS_CODE 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.	NOT NULL	VARCHAR2(1)
* 7	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which the seed or cuttings are to be planted.	NOT NULL	VARCHAR2(3)
9	REVISION_COUNT Internal counter used by the system to avoid conflicting updates to the record.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SGSX_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 SPR_SGSX_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SPR_SGSX_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: SPR15_TEMP_TABLE*Description:*

An Oracle temporary table used for the Request Approval Search to contain resultant filtered data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	APPROVE_IND A boolean indicator to indicate if a request has been approved or not.	NOT NULL	VARCHAR2(1)
2	REQUEST_ID A logical business key to uniquely identify each Spar Request.	NOT NULL	VARCHAR2(12)
3	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NOT NULL	NUMBER(10)
4	REQUEST_STATUS A code which represents the current status of a request.	NOT NULL	VARCHAR2(3)
5	RQST_CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
6	RQST_CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
7	ADMIN_ZONE A zonal code, district specific in meaning.	NOT NULL	VARCHAR2(2)
8	INTENDED_USE A code which represents the intended use of seedlings on a Seedling Request.	NOT NULL	VARCHAR2(3)
9	GRAMS_REQUESTED The amount of seed requested in grams.	NOT NULL	NUMBER(13,1)
10	SEEDLINGS_REQUESTED The amount of seedlings requested.	NOT NULL	NUMBER(13,1)
11	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
12	STOCK_TYPE A code which represents the type of stock which is to be grown at the nursery.	NOT NULL	VARCHAR2(3)
13	STOCK_AGE 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).	NOT NULL	VARCHAR2(6)
14	CONTAINER_TYPE 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.	NOT NULL	VARCHAR2(4)
15	LOT_TYPE An indicator used to determine if a Seedlot or a Vegetative Lot is associated with the request.	NOT NULL	VARCHAR2(1)
16	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(10)

Table: SPR90_LOT_SEARCH_RESULT*Description:*

An Oracle temporary table used for the Lot Search to contain resultant filtered data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	LOT_ID The unique identifier (key) assigned to a source of cuttings or seedlots of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
2	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
3	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
4	SPZ A code which represents an approved geographic area for which seed or cutting lots may be used.	NOT NULL	VARCHAR2(4)
5	GENETIC_CLASS_CODE An asterisk is appended to the end to indicate multiple codes associated with a seed or cutting lots. A code which represents a subclassification of genetic quality for 'A' class seed or cutting lots.	NOT NULL	VARCHAR2(1)
6	GENETIC_WORTH The rating for a subclassification of genetic quality for 'A' class seed or cutting lots.	NOT NULL	VARCHAR2(6)
7	GERM_ROOT_PCT The germination percentage of a given seed lot or the rooting success factor of a cutting lot.	NOT NULL	NUMBER(5)
8	CROWN_PRIVATE An indicator used to indicate whether the seed or cuttings are privately held or owned by the ministry.	NOT NULL	VARCHAR2(7)
9	AGENCY The client acronym of the associated client number.	NOT NULL	VARCHAR2(8)
10	ELEVATION The mean elevation associated with the seed or cutting lot.	NOT NULL	NUMBER(5)
11	LATITUDE_DEGREES The mean latitude (in degrees) associated with the seed or cutting lot.	NOT NULL	NUMBER(5)
12	LATITUDE_MINUTES The mean latitude (in minutes) associated with the seed or cutting lot.	NOT NULL	NUMBER(5)
13	LONGITUDE_DEGREES The mean longitude (in degrees) associated with the seed or cutting lot.	NOT NULL	NUMBER(5)
14	LONGITUDE_MINUTES The mean longitude (in minutes) associated with the seed or cutting lot.	NOT NULL	NUMBER(5)
15	ORCHARD_LOCATION The location in which the lot was collected or produced.	NOT NULL	VARCHAR2(30)
16	COLL_PROD_YEAR The year in which the lot was collected or produced.	NOT NULL	VARCHAR2(4)
17	AGE_CLASS A code which represents the age range for a group of cuttings from a particular cutting lot.	NOT NULL	VARCHAR2(1)
18	POTENTIAL_TREES The quantity of seed or cuttings available for the given lot.	NOT NULL	NUMBER(11)
19	QUANTITY The quantity of seed or cuttings available for the given lot.	NOT NULL	NUMBER(11)

Table: SPR92_TEMP_TABLE*Description:*

An Oracle temporary table used for the Request Key Search to contain resultant filtered data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	ENTRY_TIMESTAMP The time and date a request was entered onto the system.	NOT NULL	DATE
2	REQUEST_ID A logical business key to uniquely identify each Spar Request.	NOT NULL	VARCHAR2(12)
3	REQUEST_STATUS A code which represents the current status of a request.	NOT NULL	VARCHAR2(3)
4	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
5	CLIENT_LOCN_CODE	NOT NULL	VARCHAR2(2)
6	DISPLAY_CLIENT_NUMBER A client acronym associated with the sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
7	LOT_NUMBER The unique identifier (key) assigned to a source of cuttings or seedlots of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
8	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
9	STOCK_TYPE A code which represents the type of stock which is to be grown at the nursery.	NOT NULL	VARCHAR2(3)
10	CONTAINER_TYPE 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.	NOT NULL	VARCHAR2(4)
11	STOCK_AGE 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).	NOT NULL	VARCHAR2(6)
12	OVERRIDE_REASON The latest Override Reason that is associated with the given Request.	NOT NULL	VARCHAR2(4)
13	SEEDLINGS_REQUESTED The amount of seedlings requested.	NOT NULL	NUMBER(7,1)
14	QUANTITY_REQUESTED The amount of seedlings requested in grams.	NOT NULL	NUMBER(7,1)

Table: SPR96_SUITABLE_LOT_RESULT**Description:**

An Oracle temporary table used for the Transfer Guideline routine to contain resultant filtered data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	GCW_DISPLAY Most important Genetic Worth for the Lot.	NULL	VARCHAR2(7)
20	GENETIC_WORTH_CODE A code which represents a subclassification of genetic quality for 'A' class seed lots.	NULL	VARCHAR2(1)
30	GENETIC_WORTH_RTNG The rating for a subclassification of genetic quality for 'A' class seed lots.	NULL	NUMBER(5,0)
40	GENETIC_CLASS_CODE A code which represents a subclassification of genetic quality for 'A' class seed or cutting lots.	NULL	VARCHAR2(1)
50	SUPERIOR_PRVNC_IND An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N' - No).	NULL	VARCHAR2(1)
60	LOT_NUMBER The unique identifier (key) assigned to a source of cuttings or seedlots of a particular species with the same genetic class and suitability factors.	NULL	VARCHAR2(5)
70	CUTTING_PRDCTN_YEAR The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.	NULL	NUMBER(5,0)
80	LOT_TYPE The type of lot that passed the Transfer Guideline Exceptions.	NULL	VARCHAR2(1)
90	REGISTERED_SEED_IND Indicates whether the Seed is Registered or not.	NULL	VARCHAR2(1)
100	ROOTING_SUCCESS_FCTR The percentage of total cuttings that are expected to produce acceptable rooted seedlings.	NULL	NUMBER(5,0)
110	VEGETATION_CODE A code which represents a species of tree or brush.	NULL	VARCHAR2(8)
120	ELEVATION The representative elevation in meters where the seed or cutting lot parent trees originated.	NULL	NUMBER(5,0)
130	ELEVATION_MIN The minimum elevation in meters where the seed or cutting lot parent trees originated.	NULL	NUMBER(5,0)
140	ELEVATION_MAX The maximum elevation in meters where the seed or cutting lot parent trees originated.	NULL	NUMBER(5,0)
150	LONGITUDE_DEGREES The logitude (degrees portion) for the Seed or Cutting Lot.	NULL	NUMBER(3,0)
160	LONGITUDE_MINUTES The longitude (minutes portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
165	LONGITUDE_DEG_MIN The minimum longitude (degrees portion) for the Seed or Cutting Lot.	NULL	NUMBER(3,0)
170	LONGITUDE_MIN_MIN The minimum longitude (minutes portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
175	LONGITUDE_DEG_MAX The maximum longitude (degrees portion) for the Seed or Cutting Lot.	NULL	NUMBER(3,0)
180	LONGITUDE_MIN_MAX The maximum longitude (minutes portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
210	LATITUDE_DEGREES The mean latitude (degrees portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
220	LATITUDE_MINUTES The mean latitude (minutes portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
230	LATITUDE_DEG_MIN The minimum latitude (degrees portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
240	LATITUDE_MIN_MIN The minimum latitude (minutes portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
250	LATITUDE_DEG_MAX The maximum latitude (degrees portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)
260	LATITUDE_MIN_MAX The maximum latitude (minutes portion) for the Seed or Cutting Lot.	NULL	NUMBER(2,0)

Table: SPR96_SUITABLE_LOT_RESULT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
270	BGC_ZONE_CD A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NULL	VARCHAR2(4)
280	BGC_SUBZONE_CD A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.	NULL	VARCHAR2(3)
290	VARIANT 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.	NULL	VARCHAR2(1)
300	SEED_COAST_AREA_CODE A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.	NULL	VARCHAR2(3)
310	ORCHARD_ID A unique identifier which is assigned to a location where cuttings or A class seed is produced.	NULL	VARCHAR2(3)
315	COLLECTION_LOCN_DESC Describes the Location from which the Cone was collected.	NULL	VARCHAR2(60)
330	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which seed or cutting lots may be used.	NULL	VARCHAR2(3)
335	SPZ_DISPLAY Seed Planning Zone display field.	NULL	VARCHAR2(4)
340	SPZ_LIST List of Seed Planning Zones for the lot.	NULL	VARCHAR2(40)
345	AVAIL_QTY Total available quantity, reserved and surplus.	NULL	NUMBER(10)
350	AVAIL_SEEDLINGS Total available Seedlings, reserved and surplus.	NULL	NUMBER(9,1)
380	LIMITS_APPLIED_IND An indication as to whether limits were applied to the Transfer Guideline exceptions.	NULL	VARCHAR2(1)
390	EXCEPTION_IND An indicator that an exception has been generated.	NULL	VARCHAR2(1)
400	TE1 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
410	TE2 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
420	TE3 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
430	TE4 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
440	TE5 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
450	TE6 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
460	TE7 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
470	TE8 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
480	TE9 A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.	NULL	NUMBER(3)
490	TE10	NULL	NUMBER(3)

Table: SPR96_SUITABLE_LOT_RESULT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	A Transfer Guideline Exception error number. This is used as a lookup against the Transfer_Exception_Table.		
500	WARNING_IND	NULL	VARCHAR2(1)
	An indicator that a warning has been generated.		
510	WARN1	NULL	NUMBER(3)
	A Transfer Guideline Exception warning number. This is used as a lookup against the Transfer_Exception_Table.		
520	WARN2	NULL	NUMBER(3)
	A Transfer Guideline Exception warning number. This is used as a lookup against the Transfer_Exception_Table.		
525	LIMIT_NORTH_LATDEG	NULL	NUMBER(2,0)
	Transfer limit north latitude, degrees.		
530	LIMIT_NORTH_LATMNT	NULL	NUMBER(2,0)
	Transfer limit north latitude, minutes.		
535	LIMIT_SOUTH_LATDEG	NULL	NUMBER(2,0)
	Transfer limit south latitude, degrees.		
540	LIMIT_SOUTH_LATMNT	NULL	NUMBER(2,0)
	Transfer limit south latitude, minutes.		
545	LIMIT_EAST_LONGDEG	NULL	NUMBER(3,0)
	Transfer limit east longitude, degrees.		
550	LIMIT_EAST_LONGMNT	NULL	NUMBER(2,0)
	Transfer limit east longitude, minutes.		
555	LIMIT_WEST_LONGDEG	NULL	NUMBER(3,0)
	Transfer limit west longitude, degrees.		
560	LIMIT_WEST_LONGMNT	NULL	NUMBER(2,0)
	Transfer limit west longitude, minutes.		
565	LIMIT_UP_ELEVATN	NULL	NUMBER(5)
	Transfer Limit up elevation.		
570	LIMIT_DOWN_ELEVATN	NULL	NUMBER(5)
	Transfer Limit down elevation.		
575	TRANSFER_RCMNDTN_DESC	NULL	VARCHAR2(240)
	Transfer Guideline recommendation.		
580	SEEDS_PER_CAVITY	NULL	NUMBER(3,1)
	The number of seeds per cavity within a container that should be sown in order to produce a seedling.		
585	SWNG_CRCTN_FACTOR	NULL	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.		
590	SEEDS_PER_BLOCK	NULL	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.		
595	CAVITIES_PER_BLOCK	NULL	NUMBER(5)
	The number of cavities per block based on the container type.		
600	VIALE_SEEDS_METRE	NULL	NUMBER(5)
	The number of viable seeds sown per metre of seed bed required to produce a given number of seedlings.		
605	TREES_PER_METRE	NULL	NUMBER(5)
	The number of seedlings produced per metre of seed bed.		
610	SEEDLOT_TEST_CODE	NULL	VARCHAR2(3)
	A code describing various Seedlot Tests.		
615	SOWING_METHOD_CODE	NULL	VARCHAR2(1)
	A code describing various Sowing Methods.		
620	PREFERRED_PREP_RNK	NULL	VARCHAR2(1)
	Germination Test Ranking.		
625	TREES_PER_GRAM	NULL	NUMBER(11,4)
	Trees per gram.		

Table: SPR_MGMT_UNIT_TYPE_CODE*Description:*

A list of valid Management Unit Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPR_MGMT_UNIT_TYPE_CODE A code describing various Management Units.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SPR_REQUEST_STATUS_CODE*Description:*

A list of valid SPAR based Request Status Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPR_REQUEST_STATUS_CODE A code describing various Request Statuses.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SPR_TENURE_CODE*Description:*

A list of valid Tenure Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPR_TENURE_CODE A code describing various Tenure Codes.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SPU_ORCHARD_LINK*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORCHARD_ID A unique identifier which is assigned to a location where Class A cuttings or seed is produced.	NOT NULL	VARCHAR2(3)
* 2	SPU_ID A unique identifier which is assigned to a Seed Planning Unit.	NOT NULL	NUMBER(10,0)
15	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NULL	NUMBER(5,0)

Foreign Keys:

SPR_SOX_ORC_FK
ORCHARD_ID = ORCHARD.ORCHARD_ID
SPR_SOX_ST2_FK
SPU_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID

Indexes:

SOX_ORC_FK_I
ORCHARD_ID
SOX_ST2_FK_I
SPU_ID

Table: STANDARD_ACTIVITY*Description:*

A workstep performed to deliver a service.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STANDARD_ACTIVITY_ID An identifier for a workstep performed to deliver a service.	NOT NULL	VARCHAR2(3)
2	ACTIVITY_TYPE_CODE A code which identifies the type of workstep performed to deliver a service.	NOT NULL	VARCHAR2(3)
3	SIGNIFICNT_STS_IND An indicator used to define whether a standard activity should be reported up to the SPAR system or not.	NULL	VARCHAR2(1)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NULL	NUMBER(5,0)
5	ACTIVITY_DESC The description for a workstep performed to deliver a service.	NULL	VARCHAR2(30)

Foreign Keys:

SPR_SA1_ATC_FK
ACTIVITY_TYPE_CODE = ACTIVITY_TYPE_CODE.ACTIVITY_TYPE_CODE

Table: STANDARD_SERVICE*Description:*

A table which represents the valid services that can be requested for a given request type.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_TYPE_CODE A code which represents the type of request transaction.	NOT NULL	VARCHAR2(3)
* 2	SEED_SERVICE_ID An identifier which represents the type of service which is being requested to be performed.	NOT NULL	VARCHAR2(3)
3	SEQUENCE_NUMBER An assigned value which is used to order the services which may be requested for an item in a certain order.	NOT NULL	NUMBER(5,0)
4	DEFAULT_SERVICE_IND An indicator used to define whether a standard service is the default for a particular request type or not.	NOT NULL	VARCHAR2(1)
5	REQUIRED_SERVICE_IND An indicator used to define whether a standard service is required for a particular type or not.	NOT NULL	VARCHAR2(1)
6	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_SS1_RTC_FK
REQUEST_TYPE_CODE = REQUEST_TYPE_CODE.REQUEST_TYPE_CODE

SPR_SS1_SRS_FK
SEED_SERVICE_ID = SEED_RELATED_SERVICE.SEED_SERVICE_ID

Table: STANDARD_WORKPLAN*Description:*

A defined sequence of activites required to deliver a Tree Seed Centre service.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STANDARD_WORKPLAN_SKEY A surrogate key which uniquely identifies a standard workplan.	NOT NULL	NUMBER(10,0)
3	EFFECTIVE_DATE The date on which the workplan takes effect.	NOT NULL	DATE
5	EXPIRY_DATE The date on which the workplan expires.	NOT NULL	DATE
7	REQUEST_TYPE_CODE A code which represents the type of request transaction.	NOT NULL	VARCHAR2(3)
9	DEFAULT_PLAN_IND 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.	NULL	VARCHAR2(1)
11	MIN_VOL_CONES The minimum volume (in hectolitres) of the cones needed for the workplan.	NOT NULL	NUMBER(6,2)
13	MAX_VOL_CONES The maximum volume (in hectolitres) of the cones needed for the workplan.	NOT NULL	NUMBER(6,2)
15	MIN_QTY_SEED The minimum quantity of seed in grams needed for the workplan.	NOT NULL	NUMBER(10,0)
17	MAX_QTY_SEED The maximum quantity of seed in grams allowed for the workplan.	NOT NULL	NUMBER(10,0)
19	SCHED_LEADTIME_DAYS The lead time (in days) scheduled for the workplan.	NOT NULL	NUMBER(5,0)
21	STANDARD_WORKPLAN_NAME An identifier which represents the workplan which is being requested to be performed.	NULL	VARCHAR2(20)
23	STANDARD_WORKPLAN_DESC The description for a standard workplan.	NULL	VARCHAR2(50)

Foreign Keys:

SPR_SW_RTC_FK

REQUEST_TYPE_CODE = REQUEST_TYPE_CODE.REQUEST_TYPE_CODE

Table: STATEMENT_CYCLE_CODE*Description:*

A list of valid Statement Cycle Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STATEMENT_CYCLE_CODE A code describing various Statement Cycles.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: SUPERIOR_PROVENANCE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PROVENANCE_ID Superior provenance surrugate key.	NOT NULL	NUMBER(5)
2	PROVENANCE_DESCRIPTION Description of superior provenance	NOT NULL	VARCHAR2(120)
3	VEGETATION_CODE A code describing various Vegetation Species.	NOT NULL	VARCHAR2(8)
4	COLLECTION_ELEVATION_MIN The minimum elevation criteria for the collection in meters .	NOT NULL	NUMBER(5,0)
5	COLLECTION_ELEVATION_MAX The maximum elevation criteria for the collection in meters .	NOT NULL	NUMBER(5,0)
7	COLLECTION_LATITUDE_DEGREES	NULL	NUMBER(2)
8	COLLECTION_LATITUDE_MINUTES	NULL	NUMBER(2)
9	COLLECTION_LONGITUDE_DEGREES	NULL	NUMBER(3)
10	COLLECTION_LONGITUDE_MINUTES	NULL	NUMBER(2)
11	ADDITIONAL_CRITERIA	NULL	VARCHAR2(500)
12	GENETIC_WORTH_CODE A code describing various Genetic Worths.	NULL	VARCHAR2(1)
13	GENETIC_WORTH_RATING	NULL	NUMBER(2)
14	LIMIT_UP_ELEVATION	NULL	NUMBER(5)
15	LIMIT_DOWN_ELEVATION	NULL	NUMBER(5)
16	LIMIT_ELEVATION_MIN	NULL	NUMBER(5)
17	LIMIT_ELEVATION_MAX	NULL	NUMBER(5)
18	LIMIT_LATITUDE_MIN_DEGREES	NULL	NUMBER(2)
19	LIMIT_LATITUDE_MIN_MINUTES	NULL	NUMBER(2)
20	LIMIT_LATITUDE_MAX_DEGREES	NULL	NUMBER(2)
23	LIMIT_LATITUDE_MAX_MINUTES	NULL	NUMBER(2)
970	EFFECTIVE_DATE	NOT NULL	DATE
980	EXPIRY_DATE	NOT NULL	DATE
990	UPDATE_TIMESTAMP	NOT NULL	DATE

Foreign Keys:

SUPR_GWC_FK
 GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
 SUPR_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

SUPR_GWC_FK_I
 GENETIC_WORTH_CODE
 SUPR_VC_FK_I
 VEGETATION_CODE

Table: SUPERIOR_PROVENANCE_GEOMETRY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PROVENANCE_ID Superior provenance surrugate key.	NOT NULL	NUMBER(5)
2	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
3	GEOMETRY Spatial information describing the Provenance's polygon within the province.	NOT NULL	
8	ENTRY_USERID The Userid associated with adding, approving or updating the changes to an associated record.	NOT NULL	VARCHAR2(30)
10	ENTRY_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE
12	UPDATE_USERID The Userid associated with adding, approving or updating the changes to an associated record.	NOT NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE
16	REVISION_COUNT A counter to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPGEOM_CORPFC_FK
 FEATURE_CLASS_SKEY = FEATURE_CLASSES.FEATURE_CLASS_SKEY
 SPGEOM_SUPR_FK
 PROVENANCE_ID = SUPERIOR_PROVENANCE.PROVENANCE_ID

Table: SUPERIOR_PROVENANCE_PLAN_ZONE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	PROVENANCE_ID Superior provenance surrugate key.	NOT NULL	NUMBER(5)
* 20	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NOT NULL	VARCHAR2(3)

Foreign Keys:

SPPZ_SPZC_FK
SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
SPPZ_SUPR_FK
PROVENANCE_ID = SUPERIOR_PROVENANCE.PROVENANCE_ID

Indexes:

SPPZ_SPZC_FK_I
SEED_PLAN_ZONE_CODE
SPPZ_SUPR_FK_I
PROVENANCE_ID

Table: TAX_RATE_TBL*Description:*

Identifies current and historical rates of taxation used for calculating GST, PST, etc.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TAX_RATE_CD The type of taxation the rates are applicable for.	NOT NULL	VARCHAR2(3)
* 2	EFFECTIVE_DATE The range of time the tax rate is applicable for the given code.	NOT NULL	DATE
* 3	EXPIRY_DATE The range of time the tax rate is applicable for the given code.	NOT NULL	DATE
4	TAX_RATE_PCT The rate of taxation for the given code in the given timeframe.	NOT NULL	NUMBER(5,2)

Table: TESTED_PT_AREA_OF_USE*Description:*

Defines the region for a Tested Parent Tree Area of Use.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TESTED_PT_AREA_OF_USE_ID Sequential number used to uniquely identify the Tested Parent Tree Area of Use.	NOT NULL	NUMBER(10)
2	SEED_PLAN_UNIT_ID A unique identifier which is assigned to a Seed Planning Unit. In the context of a Parent Tree Area of Use, this is the Seed Planning Unit that is the Primary Seed Planning Unit for a Seedlot.	NOT NULL	NUMBER(10,0)

Foreign Keys:

TPAOU_ST2_FK
SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID

Indexes:

TPAOU_ST2_FK_I
SEED_PLAN_UNIT_ID

Table: TESTED_PT_AREA_OF_USE_SPU*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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TESTED_PT_AREA_OF_USE_ID Sequential number used to uniquely identify the Tested Parent Tree Area of Use.	NOT NULL	NUMBER(10)
* 20	SEED_PLAN_UNIT_ID Identifies the Seed Plan Unit (necessary to derive elevation and latitude range for planting) included in the Parent Tree Area of Use.	NOT NULL	NUMBER(10,0)

Foreign Keys:

TPTAOUSPU_SPU_FK

SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID

TPTAOUSPU_TPAOU_FK

TESTED_PT_AREA_OF_USE_ID = TESTED_PT_AREA_OF_USE.TESTED_PT_AREA_OF_USE_ID

Indexes:

TPTAOUSPU_SPU_FK_I

SEED_PLAN_UNIT_ID

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.

Table: TESTED_PT_AREA_OF_USE_SPZ*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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	TESTED_PT_AREA_OF_USE_ID Sequential number used to uniquely identify the Tested Parent Tree Area of Use.	NOT NULL	NUMBER(10)
* 20	SEED_PLAN_ZONE_CODE Defines the Seed Plan Zones included in the Tested Parent Tree Area of Use. These are the zones where the Seedlot may be planted.	NOT NULL	VARCHAR2(3)
30	PRIMARY_IND Denotes whether or not the Area of Use (Seed Planning Zone) is the Primary Intended Area of Use for the Seed Plan Unit.	NOT NULL	VARCHAR2(1)

Foreign Keys:

TPTAOU SPZ SPZC_FK

SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE

TPTAOU SPZ TPAOU_FK

TESTED_PT_AREA_OF_USE_ID = TESTED_PT_AREA_OF_USE.TESTED_PT_AREA_OF_USE_ID

Indexes:

TPTAOU SPZ SPZC_FK_I

SEED_PLAN_ZONE_CODE

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.

Table: TEST_CLASS_CODE*Description:*

A list of valid Test Class Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TEST_CLASS_CODE A code describing various Test Classes.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: TEST_GRAM*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEEDLOT_TEST_CODE A code which represents the type of test that was performed against a seed lot.	NOT NULL	VARCHAR2(3)
* 2	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
3	GRAMS_REQUIRED The amount of grams required for the type of test being performed.	NOT NULL	NUMBER(10,0)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_TG_STC_FK
SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE
SPR_TG_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: TIMBER_MARK*Description:*

Information about the timber cutting and moving permission for a timber tenure. For Private Timber Marks, the ministry does not grant cutting permission. For some Road Permits and Licences to Cut, no moving permission is granted. Otherwise, synonymous.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK 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.	NOT NULL	VARCHAR2(6)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type harvesting tenure.	NOT NULL	VARCHAR2(3)
4	MARK_STATUS_ST Current status of Timber Mark, eg., Pending - Planned, Harvesting - Suspended. This references Timber_Status_Code.	NOT NULL	VARCHAR2(3)
5	MARK_STATUS_DATE The date that the timber mark / cutting permit status was last updated.	NOT NULL	DATE
6	MARK_APPL_DATE DATE the application was received in the district.	NOT NULL	DATE
7	MARK_ISSUE_DATE Date the Timber Mark was issued.	NOT NULL	DATE
8	MARK_EXPIRY_DATE Initial expiry date set upon activation of the timber mark.	NOT NULL	DATE
9	MARK_EXTEND_DATE Date to which the timber mark validity has been extended. Current expiry date.	NOT NULL	DATE
10	MARK_EXTEND_RSN_CD Code to indicate the reason to extend the life of the timber mark.	NOT NULL	VARCHAR2(1)
11	MARK_EXTEND_COUNT Count of the number of extensions to the expiry date that the timber mark has had.	NOT NULL	NUMBER(10,0)
12	MARK_AMEND_DATE If the timber mark has been amended, this date will reflect the time the most recent amendment was made.	NOT NULL	DATE
13	MARK_CANCEL_DATE Date the timber mark was cancelled.	NOT NULL	DATE
14	TENURE_TERM Term of the tenure (in months).	NOT NULL	NUMBER(5,0)
15	CERTIFICATE Timber mark certificate number for private marks.	NOT NULL	VARCHAR2(6)
16	FOREST_DISTRICT The managing district for the given Timber Mark.	NOT NULL	NUMBER(10,0)
19	GEOGRAPHIC_DISTRICT The geographically based district for the given District.	NOT NULL	NUMBER(10,0)
22	DISTRICT_ADMN_ZONE Identifies an administration area within a district for operational purposes.	NOT NULL	VARCHAR2(4)
23	QUOTA_TYPE_CODE Identifies an allowable harvesting quota type.	NOT NULL	VARCHAR2(1)
24	DECIDUOUS_IND Indicates whether the timber mark is primarily for harvesting deciduous species. Otherwise, coniferous.	NOT NULL	VARCHAR2(1)
25	CATASTROPHIC_IND Indicates if the damage to the stand of timber is catastrophic. Otherwise, it is endemic.	NOT NULL	VARCHAR2(1)
26	CRUISE_BASED_IND Indicates whether a cruise was used for billing purposes.	NOT NULL	VARCHAR2(1)
27	CASCADE_SPLIT_CODE Code to indicate the administrative split for the timber mark, east or west of the Cascade Mountains, for tracking timber volume information.	NOT NULL	VARCHAR2(1)
28	BCAA_FOLIO_NUMBER BC Assessment Authority Folio Number for the land that the cutting permit/Timber Mark pertains to, if applicable, or the LTO number. BCAA Folio Numbers are in the format C15 733 06604.140-1-2; the format	NOT NULL	VARCHAR2(23)

Table: TIMBER_MARK (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	for LTO numbers is nnn-xxx-xxx.		
29	CROWN_GRANTED_IND	NOT NULL	VARCHAR2(1)
	Indicator to signify whether the land that the timber mark pertains to has a verifiable crown grant document.		
30	GRANTED_ACQRD_DATE	NOT NULL	VARCHAR2(10)
	Date the property that the timber mark pertains to was crown granted; or, in lieu of a crown grant document, the date the land was thought to be acquired; or, a code for an historical land transfer.		
31	LANDS_REGION	NOT NULL	VARCHAR2(1)
	Region identifier for crown lands.		
32	MARKING_METHOD_CD	NOT NULL	VARCHAR2(1)
	Code indicating the method of marking the truckload of harvested timber.		
33	MARKNG_INSTRMNT_CD	NOT NULL	VARCHAR2(1)
	Code indicating the means of marking the timber for identification to the timber mark, eg., hammer, paint.		
34	ACTIVATED_USERID	NOT NULL	VARCHAR2(8)
	Userid of the person who activated the timber mark.		
35	AMENDED_USERID	NOT NULL	VARCHAR2(8)
	Userid of the person who last amended the timber mark.		
36	ENTRY_TIMESTAMP	NOT NULL	DATE
	The data and time on which the entry was created.		
37	ENTRY_USERID	NOT NULL	VARCHAR2(8)
	The userid of the individual performing the entry.		
38	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update.		
39	UPDATE_USERID	NOT NULL	VARCHAR2(8)
	The userid of the individual who last updated this information.		
40	VM_TIMBER_MARK	NOT NULL	VARCHAR2(6)
	This is a reformatted definition of the TIMBER_MARK. It is used primarily in Silviculture Branch's Major Licence Silviculture Information System. This column is due to be deleted.		
41	HDBS_TIMBER_MARK	NOT NULL	VARCHAR2(7)
	This is the HDBS representation of the TIMBER MARK. This column is due to be deleted		

Unique Constraints:

I1\$_TIMBER_MARK
FOREST_FILE_ID
CUTTING_PERMIT_ID

Table: TRANSFER_ACROSS_ZONE*Description:*

A table used to define the allowable seed lot transfers across Seed Planning Zones and the limits associated with the transfer.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRANSFER_ACROSS_ZONE_SKEY A surrogate key to make each record uniquely defined.	NOT NULL	NUMBER(10,0)
2	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
3	SITE_PLAN_ZONE_CODE A code which represents an approved geographic area for which the planting site is located.	NOT NULL	VARCHAR2(3)
4	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which seed lots may be used.	NULL	VARCHAR2(3)
5	LIMIT_NORTH_LATDEG The recommended maximum northern transfer (latitude degrees) from source.	NOT NULL	NUMBER(2,0)
6	LIMIT_NORTH_LATMNT The recommended maximum northern transfer (latitude minutes) from source.	NOT NULL	NUMBER(2,0)
7	LIMIT_SOUTH_LATDEG The recommended maximum southern transfer (latitude degrees) from source.	NOT NULL	NUMBER(2,0)
8	LIMIT_SOUTH_LATMNT The recommended maximum southern transfer (latitude minutes) from source.	NOT NULL	NUMBER(2,0)
9	LIMIT_EAST_LONGDEG The recommended maximum eastern transfer (longitude degrees) from source.	NOT NULL	NUMBER(3,0)
10	LIMIT_EAST_LONGMNT The recommended maximum eastern transfer (longitude minutes) from source.	NOT NULL	NUMBER(2,0)
11	LIMIT_WEST_LONGDEG The recommended maximum western transfer (longitude degrees) from source.	NOT NULL	NUMBER(3,0)
12	LIMIT_WEST_LONGMNT The recommended maximum western transfer (longitude minutes) from source.	NOT NULL	NUMBER(2,0)
13	LIMIT_UP_ELEVATN The recommended maximum upwards transfer (elevation) from source in metres.	NOT NULL	NUMBER(5,0)
14	LIMIT_DOWN_ELEVATN The recommended maximum downward transfer (elevation) from source in metres. Retrofitted from column LIMIT_DOWN_ELEVATN of table XFER_ACROSS_ZN	NOT NULL	NUMBER(5,0)
15	REQD_LOT_LAT_MIN The required minimum latitude for the lot in degrees.	NOT NULL	NUMBER(2,0)
16	REQD_LOT_LAT_MAX The required maximum latitude for the lot in degrees.	NOT NULL	NUMBER(2,0)
17	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
18	TRANSFER_RCMNDTN_DESC The recommendation that is associated with a particular transfer guideline.	NULL	VARCHAR2(60)

Unique Constraints:

I1\$_TRANSFER_ACROSS_ZONE
VEGETATION_CODE
SITE_PLAN_ZONE_CODE
SEED_PLAN_ZONE_CODE

Foreign Keys:

SPR_TAZ_SPZC_FK
SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
SPR_TAZ_SPZC_FK2
SITE_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
SPR_TAZ_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: TRANSFER_EXCEPTION_TABLE*Description:*

A table used to define the transfer guideline exception descriptions and reference them by an index.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRANSFER_EXCEPTION_ID A surrogate key to make each record uniquely defined.	NOT NULL	NUMBER(3)
2	DESCRIPTION A description of a transfer guideline exception error.	NOT NULL	VARCHAR2(120)

Table: TRANSFER_LIMIT*Description:*

A table used to define the recommended maximum transfer from source within a Seed Planning Zone.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRANSFER_LIMIT_SKEY A surrogate key to make each record uniquely defined.	NOT NULL	NUMBER(10,0)
6	VEGETATION_CODE A code describing various Vegetation Species.	NULL	VARCHAR2(8)
11	GENETIC_CLASS_CODE A code describing various Genetic Classes.	NOT NULL	VARCHAR2(1)
16	SUPERIOR_PRVNC_IND 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'.	NULL	VARCHAR2(1)
21	COAST_INTERIOR_CODE A code describing various Coast/Interior Codes.	NOT NULL	VARCHAR2(1)
26	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NULL	VARCHAR2(3)
27	SITE_MIN_LATDEG The transfer limit minimum latitude for the planting site for which this guideline applies (in degrees).	NOT NULL	NUMBER(2,0)
32	SITE_MAX_LATDEG The transfer limit maximum latitude for the planting site for which this guideline applies (in degrees).	NULL	NUMBER(2,0)
33	LIMIT_NORTH_LATDEG The recommended maximum northern transfer (latitude degrees) from source.	NULL	NUMBER(2,0)
38	LIMIT_NORTH_LATMNT The recommended maximum northern transfer (latitude minutes) from source.	NULL	NUMBER(2,0)
43	LIMIT_SOUTH_LATDEG The recommended maximum southern transfer (latitude degrees) from source.	NULL	NUMBER(2,0)
44	LIMIT_SOUTH_LATMNT The recommended maximum southern transfer (latitude minutes) from source.	NULL	NUMBER(2,0)
45	LIMIT_EAST_LONGDEG The recommended maximum eastern transfer (longitude degrees) from source.	NULL	NUMBER(3,0)
50	LIMIT_EAST_LONGMNT The recommended maximum eastern transfer (longitude minutes) from source.	NULL	NUMBER(2,0)
55	LIMIT_WEST_LONGDEG The recommended maximum western transfer (longitude degrees) from source.	NULL	NUMBER(3,0)
56	LIMIT_WEST_LONGMNT The recommended maximum western transfer (longitude minutes) from source.	NULL	NUMBER(2,0)
57	LIMIT_UP_ELEVATN The recommended maximum upwards transfer (elevation) from source in metres.	NULL	NUMBER(5,0)
62	LIMIT_DOWN_ELEVATN The recommended maximum downward transfer (elevation) from source in metres.	NULL	NUMBER(5,0)
65	TRANSFER_RCMNDTN_DESC The recommendation that is associated with a particular transfer guideline.	NULL	VARCHAR2(60)
67	MAX_COLLECTION_ELEVATION_RANGE Maximum range between lowest and highest elevation of collection area (metres).	NULL	NUMBER(4)
68	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$_TRANSFER_LIMIT
 VEGETATION_CODE
 GENETIC_CLASS_CODE
 SUPERIOR_PRVNC_IND
 COAST_INTERIOR_CODE
 SEED_PLAN_ZONE_CODE
 SITE_MIN_LATDEG

Foreign Keys:

SPR_TL_CIC_FK
 COAST_INTERIOR_CODE = COAST_INTERIOR_CODE.COAST_INTERIOR_CODE

Table: TRANSFER_LIMIT (cont'd)*Foreign Keys:*

SPR_TL_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
SPR_TL_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
SPR_TL_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I1\$_TRANSFER_LIMIT_I
 VEGETATION_CODE
 GENETIC_CLASS_CODE
 SUPERIOR_PRVNC_IND
 COAST_INTERIOR_CODE
 SEED_PLAN_ZONE_CODE
 SITE_MIN_LATDEG
TRANSFER_LIMIT_PK_I
 TRANSFER_LIMIT_SKEY

Table: TRANSFER_ORCHARD*Description:*

A table used to apply additional constraints for some orchard seed lots.
Retrofitted from table XFER_ORCHARD

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORCHARD_ID	NOT NULL	VARCHAR2(3)
	A unique identifier which is assigned to a location where cuttings or A class seed is produced.		
* 2	VEGETATION_CODE	NOT NULL	VARCHAR2(8)
	A code which represents a species of tree or brush.		
3	SITE_COAST_AREA_CODE	NULL	VARCHAR2(3)
	A code representing the geographic area for the planting site if it is in the Maritime Seed Planning Zone.		
4	SITE_MAX_LATDEG	NOT NULL	NUMBER(2,0)
	The transfer limit maximum latitude for the planting site in degrees.		
5	SEED_COAST_AREA_CODE	NULL	VARCHAR2(3)
	A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.		
6	SEED_PLAN_ZONE_CODE	NULL	VARCHAR2(3)
	A code which represents an approved geographic area for which seed lots may be used.		
7	REQD_LOT_LAT_MIN	NOT NULL	NUMBER(2,0)
	The required minimum latitude for the lot in degrees.		
8	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Foreign Keys:

SPR_TO1_ORC_FK
ORCHARD_ID = ORCHARD.ORCHARD_ID

SPR_TO1_SCAC1_FK
SITE_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE

SPR_TO1_SCAC_FK
SEED_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE

SPR_TO1_SPZC_FK
SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE

SPR_TO1_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I1\$_TRANSFER_ORCHARD
ORCHARD_ID

Table: TRANSFER_ORCHARD_BEC*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRANSFER_ORCHARD_BEC_SKEY	NOT NULL	NUMBER(10,0)
2	ORCHARD_ID	NOT NULL	VARCHAR2(3)
	A unique identifier which is assigned to a location where cuttings or A class seed is produced.		
3	VEGETATION_CODE	NOT NULL	VARCHAR2(8)
	A code which represents a species of tree or brush.		
8	BGC_ZONE_CODE	NULL	VARCHAR2(4)
	Defines the Biogeoclimatic Zone for a Transfer Orchard.		
13	BGC_SUBZONE_CODE	NULL	VARCHAR2(3)
	Defines the Biogeoclimatic Subzone for a Transfer Orchard.		
18	VARIANT	NULL	VARCHAR2(1)
	Defines the Biogeoclimatic Variant for a Transfer Orchard.		
19	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Unique Constraints:

I1\$_TRANSFER_ORCHARD_BEC
 ORCHARD_ID
 VEGETATION_CODE
 VARIANT
 BGC_SUBZONE_CODE
 BGC_ZONE_CODE

Foreign Keys:

SPR_TOB_BCT_FK
 SPR_TOB_TO_FK
 ORCHARD_ID = TRANSFER_ORCHARD.ORCHARD_ID
 VEGETATION_CODE = TRANSFER_ORCHARD.VEGETATION_CODE
 SPR_TOB_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I2\$_TRANSFER_ORCHARD_BEC
 ORCHARD_ID
 I3\$_TRANSFER_ORCHARD_BEC

Table: TRANSFER_RESTRICTION*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
* 2	SEED_COAST_AREA_CODE A code representing the geographic area for the Seed Lot if it is in the Maritime Seed Planning Zone.	NOT NULL	VARCHAR2(3)
* 3	SITE_COAST_AREA_CODE A code representing the geographic area for the planting site if it is in the Maritime Seed Planning Zone.	NOT NULL	VARCHAR2(3)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_TR_SCAC1_FK
SITE_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE
SPR_TR_SCAC_FK
SEED_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE
SPR_TR_VC_FK
VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: TRANSFER_SPZ_RESTRICTION*Description:*

A table used to apply additional restrictions on seed lot movement between seed planning zones.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEGETATION_CODE A code which represents a species of tree or brush.	NOT NULL	VARCHAR2(8)
* 2	GENETIC_CLASS_CODE 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.	NOT NULL	VARCHAR2(1)
* 3	COAST_INTERIOR_CODE A code representing the general location of the seed planning zone. Values are 'C' (Coastal) or 'I' (Interior).	NOT NULL	VARCHAR2(1)
* 4	SITE_PLAN_ZONE_CODE A code which represents an approved geographic area for which the planting site is located.	NOT NULL	VARCHAR2(3)
* 5	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which the seed or cuttings are to be planted.	NOT NULL	VARCHAR2(3)
6	REVISION_COUNT Internal counter used by the system to avoid conflicting updates to the record.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_TSR_CIC_FK
 COAST_INTERIOR_CODE = COAST_INTERIOR_CODE.COAST_INTERIOR_CODE
 SPR_TSR_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 SPR_TSR_SPZC1_FK
 SITE_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SPR_TSR_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 SPR_TSR_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Table: TSC_CLIENT_CONTACT**Description:**

A client representative who conducts business with the Tree Seed Centre from a client location.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 5	TSC_CLIENT_CONTACT_SKEY Surrogate key to uniquely identify a Tree Seed Centre Client Contact.	NOT NULL	NUMBER(10)
6	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
7	CLIENT_LOCN_CODE The client location code of the Tree Seed Centre client.	NOT NULL	VARCHAR2(2)
9	CONTACT_NAME The name of the client contact.	NOT NULL	VARCHAR2(40)
10	TSC_CLIENT_STATUS_CODE A status of the client determining if they are active or inactive.	NOT NULL	VARCHAR2(3)
11	CONTACT_CLI_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
12	CONTACT_CLI_LOC_CD The client location code of the Tree Seed Centre client.	NULL	VARCHAR2(2)
13	PRI_CONTACT_IND An indication if the contact if a primary contact. <i>An indication if the contact if a primary contact.</i> <i>RULE: only one contact may have pri_contact_ind='Y' for the combination of client_number, client_locn_code and tsc_client_type_code. Enforced in application.</i>	NOT NULL	VARCHAR2(1)
14	CONTACT_USERID The userid associated with the contact.	NULL	VARCHAR2(30)
15	PHONE_1 The primary phone number of the contact.	NULL	VARCHAR2(10)
20	PHONE_1_EXT	NULL	VARCHAR2(5)
21	PHONE_2 An alternate phone number of the contact.	NULL	VARCHAR2(10)
26	PHONE_2_EXT	NULL	VARCHAR2(5)
27	FAX_NUMBER The fax number of the contact.	NULL	VARCHAR2(10)
32	EMAIL_ADDRESS The e-mail address associated with the client contact.	NULL	VARCHAR2(100)
37	CONTACT_TITLE The job title for the contact	NULL	VARCHAR2(40)
42	CONTACT_COMMENT General comments pertaining about the contact.	NULL	VARCHAR2(254)
47	MAIL_ADDR_TYPE_CODE The address type of the contact.	NULL	VARCHAR2(1)
48	ENTRY_TIMESTAMP The time and date a request was entered onto the system.	NOT NULL	DATE
49	ENTRY_USERID The userid of the individual that entered the request.	NOT NULL	VARCHAR2(30)
50	UPDATE_TIMESTAMP The time and date a request was updated in the system.	NOT NULL	DATE
51	UPDATE_USERID The userid of the individual that changed the request.	NOT NULL	VARCHAR2(30)
52	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_TCC_MADC_FK
MAIL_ADDR_TYPE_CODE = MAIL_ADDR_TYPE_CODE.MAIL_ADDR_TYPE_CODE

SPR_TCC_TCI_FK
CLIENT_NUMBER = TSC_CLIENT_INFORMATION.CLIENT_NUMBER
CLIENT_LOCN_CODE = TSC_CLIENT_INFORMATION.CLIENT_LOCN_CODE

SPR_TCC_TCSC_FK

Table: TSC_CLIENT_CONTACT (cont'd)*Foreign Keys:*

TSC_CLIENT_STATUS_CODE = TSC_CLIENT_STATUS_CODE.TSC_CLIENT_STATUS_CODE

Indexes:

I1\$ _TSC_CLIENT_CONTACT

CLIENT_NUMBER

CLIENT_LOCN_CODE

I3\$ _TSC_CLIENT_CONTACT

CONTACT_NAME

SPR_TCC_MADC_FK_I

MAIL_ADDR_TYPE_CODE

Table: TSC_CLIENT_CONTACT_TYPE_XREF*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 3	TSC_CLIENT_CONTACT_SKEY Surrogate key to uniquely identify a Tree Seed Centre Client Contact.	NOT NULL	NUMBER(10)
* 5	TSC_CLIENT_TYPE_CODE A code describing various TSC Client Types.	NOT NULL	VARCHAR2(3)
10	PRI_CLIENT_TYPE_IND An indication if the contact is a primary contact. RULE: only one contact may be designated as Primary for the combination of Client Number, Client Location and Client Type.	NOT NULL	VARCHAR2(1)

Foreign Keys:

SPR_TCCTX_TCC_FK

TSC_CLIENT_CONTACT_SKEY = TSC_CLIENT_CONTACT.TSC_CLIENT_CONTACT_SKEY

SPR_TCCTX_TCTC_FK

TSC_CLIENT_TYPE_CODE = TSC_CLIENT_TYPE_CODE.TSC_CLIENT_TYPE_CODE

Indexes:

SPR_TCCTX_TCC_FK_I

TSC_CLIENT_CONTACT_SKEY

SPR_TCCTX_TCTC_FK_I

TSC_CLIENT_TYPE_CODE

Table: TSC_CLIENT_INFORMATION*Description:*

Describes a Client Location for which the Tree Seed Centre has dealings. It also includes billing, shipping and carrier information.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER The client number of a client who has dealings with the Tree Seed Centre.	NOT NULL	VARCHAR2(8)
* 2	CLIENT_LOCN_CODE The client location code of the Tree Seed Centre client.	NOT NULL	VARCHAR2(2)
3	BILL_TO_CITY Town or city name of the client's billing address.	NULL	VARCHAR2(30)
4	BILL_PROVINCE Province or state of the client's billing address.	NULL	VARCHAR2(5)
5	BILL_COUNTRY The country of the client's billing address.	NULL	VARCHAR2(6)
6	BILL_POSTAL_CODE Code used by Canadian Federal Government Postal System; may also contain an American zip code or another country's postal code.	NULL	VARCHAR2(10)
7	SHIP_TO_CITY Code used by Canadian Federal Government Postal System; may also contain an American zip code or another country's postal code.	NULL	VARCHAR2(30)
8	SHIP_PROVINCE Province or state of the client's shipping address.	NULL	VARCHAR2(5)
9	SHIP_COUNTRY The country of the client's shipping address.	NULL	VARCHAR2(6)
10	SHIP_POSTAL_CODE Code used by Canadian Federal Government Postal System; may also contain an American zip code or another country's postal code.	NULL	VARCHAR2(10)
11	PRI_CARRIER_NAME The name of the primary agency when the Tree Seed Centre contracts shipping on the client's behalf.	NULL	VARCHAR2(25)
12	PRI_CARRIER_ACCT The account number for the primary carrier of the Tree Seed Centre.	NULL	VARCHAR2(15)
13	PRI_PREPAID_IND 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).	NULL	VARCHAR2(1)
14	SEC_CARRIER_NAME The name of the secondary agency when the Tree Seed Centre contracts shipping on the client's behalf.	NULL	VARCHAR2(25)
15	SEC_CARRIER_ACCT The account number for the secondary carrier of the Tree Seed Centre.	NULL	VARCHAR2(15)
16	SEC_PREPAID_IND 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).	NULL	VARCHAR2(1)
17	ENTRY_TIMESTAMP The time and date a Tree Seed Centre client was entered onto the system.	NOT NULL	DATE
18	ENTRY_USERID The userid of the individual that entered the Tree Seed Centre client.	NOT NULL	VARCHAR2(30)
19	UPDATE_TIMESTAMP The time and date a Tree Seed Centre client was last updated on the system.	NOT NULL	DATE
20	UPDATE_USERID The userid of the individual that changed the Tree Seed Centre client.	NOT NULL	VARCHAR2(30)
21	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)
22	TSC_CLIENT_ALIAS An alternative name by which the client is referred to.	NULL	VARCHAR2(40)
23	BILL_ADDRESS_1 The first line of the client's billing address.	NULL	VARCHAR2(40)
24	BILL_ADDRESS_2 The second line of the client's billing address.	NULL	VARCHAR2(40)
25	BILL_ADDRESS_3	NULL	VARCHAR2(40)

Table: TSC_CLIENT_INFORMATION (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
26	SHIP_ADDRESS_1 The third line of the client's billing address.	NULL	VARCHAR2(40)
27	SHIP_ADDRESS_2 The first line of the client's shipping address.	NULL	VARCHAR2(40)
28	SHIP_ADDRESS_3 The second line of the client's shipping address.	NULL	VARCHAR2(40)
29	TSC_CLIENT_COMMENT The third line of the client's shipping address. A free format text field used to enter general comments for a Tree Seed Centre client. <i>2006-08-21 R.A.Robb (Rls 3.1)</i> <i>- modified maxlength from 75 to 2000</i>	NULL	VARCHAR2(2000)

Notes:

2006-08-21 R.A.Robb (Rls 3.1)
- modified TSC_CLIENT_COMMENT maxlength from 75 to 2000

Table: TSC_CLIENT_STATUS_CODE*Description:*

A list of valid Client Status Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TSC_CLIENT_STATUS_CODE A code describing various Client Statuses.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: TSC_CLIENT_TYPE_CODE*Description:*

A list of valid TSC Client Type Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TSC_CLIENT_TYPE_CODE A code describing various TSC Client Types.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: TSC_INVOICE**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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The invoice number notifying a client of a billing assessment made by the ministry.	NOT NULL	VARCHAR2(7)
2	INVOICE_AMOUNT The amount due on the invoice.	NOT NULL	NUMBER(9,2)
3	PST_AMOUNT The PST portion of the invoice.	NOT NULL	NUMBER(9,2)
4	GST_AMOUNT The GST portion of the invoice.	NOT NULL	NUMBER(9,2)
5	INVOICE_DATE The date the invoice was generated.	NOT NULL	DATE
6	PRINTED_DATE The date the invoice was printed.	NULL	DATE
7	FIN_SRVC_UPDT_DATE The date the financial services system was updated.	NULL	DATE
8	ENTRY_TIMESTAMP The time and date an invoice was entered onto the system.	NOT NULL	DATE
9	ENTRY_USERID The userid of the individual that entered the invoice.	NOT NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The time and date an invoice was last updated on the system.	NOT NULL	DATE
11	UPDATE_USERID The userid of the individual that changed the invoice.	NOT NULL	VARCHAR2(30)
12	REVISION_COUNT Internal counter used by the system to avoid conflicting updates to the record.	NOT NULL	NUMBER(5,0)
13	INVOICE_COMMENT A comment associated with the invoice. <i>2005-10-18 R.A.Robb (PT#27819)</i> <i>- increased maxlength to 2000</i>	NULL	VARCHAR2(2000)
16	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
17	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
18	CANCELLED_BY_INVC The new invoice number that cancels and replaces this invoice.	NULL	VARCHAR2(7)
19	INVOICE_RELATION_TYPE_CODE The type of relationship	NULL	VARCHAR2(3)
20	REPLACED_BY_INVC The new invoice number that cancels and replaces this invoice.	NULL	VARCHAR2(7)
21	RELATED_INVOICE The related invoice number.	NULL	VARCHAR2(7)

Foreign Keys:

SPR_TI1_IRTC_FK
INVOICE_RELATION_TYPE_CODE = INVOICE_RELATION_TYPE_CODE.INVOICE_RELATION_TYPE_CODE

SPR_TI1_TI1_FK
CANCELLED_BY_INVC = TSC_INVOICE.INVOICE_NUMBER

SPR_TI1_TI1_IS_REPLACED_BY_FK
RELATED_INVOICE = TSC_INVOICE.INVOICE_NUMBER

SPR_TI1_TI1_RELATES_BACK_TO_FK
REPLACED_BY_INVC = TSC_INVOICE.INVOICE_NUMBER

Indexes:

Table: TSC_INVOICE (cont'd)*Indexes:*

I1\$ _TSC_INVOICE
 CANCELLED_BY_INVC
I2\$ _TSC_INVOICE
 RELATED_INVOICE
I3\$ _TSC_INVOICE
 REPLACED_BY_INVC

Notes:

2005-10-18 R.A.Robb (PT#27819)
- increased maxlength of INVOICE_COMMENT to 2000

Table: UNIT_OF_MEASURE_CODE*Description:*

A list of valid Unit of Measurement Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	UNIT_OF_MEASURE_CODE A code describing various Unit of Measurements.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: VEGETATION_CODE*Description:*

A list of valid Vegetation Species Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEGETATION_CODE A code describing various Vegetation Species.	NOT NULL	VARCHAR2(8)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: VEG_LOT**Description:**

A source of cuttings of a particular species with the same genetic class and suitability factors.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
2	VEG_LOT_STATUS_CODE	NOT NULL	VARCHAR2(3)
3	VEGETATION_CODE A code describing various Vegetation Species.	NULL	VARCHAR2(8)
4	GENETIC_CLASS_CODE A code describing various Genetic Classes.	NOT NULL	VARCHAR2(1)
6	BC_SOURCE_IND Indicates whether the source of the seedlot is within British Columbia	NULL	VARCHAR2(1)
7	APPLICANT_CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
8	APPLICANT_CLIENT_LOCN 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.	NULL	VARCHAR2(2)
9	APPLICANT_EMAIL_ADDRESS Email address of client applying to register the seedlot	NULL	VARCHAR2(100)
10	COLLECTION_SOURCE_CODE A code describing various Collection Sources.	NULL	VARCHAR2(2)
11	SUPERIOR_PRVNC_IND An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N').	NULL	VARCHAR2(1)
12	ORG_UNIT_NO	NULL	NUMBER(10,0)
13	REGISTERD_CTNG_IND An indicator which represents whether a cutting lot is registered for Crown land reforestation use ('Y' yes) or not ('N' no).	NOT NULL	VARCHAR2(1)
14	TO_BE_REGISTRD_IND An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
15	REGISTERED_DATE The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.	NULL	DATE
16	ORCHARD_COMMENT Comments made by or about the collection Orchard.	NULL	VARCHAR2(2000)
17	COLLECTION_ELEVATION 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.	NULL	NUMBER(5,0)
18	COLLECTION_ELEVATION_MIN The minimum elevation in meters where the exotic seed lot originated.	NULL	NUMBER(5,0)
19	COLLECTION_ELEVATION_MAX The maximum elevation in meters where the exotic seed lot originated.	NULL	NUMBER(5,0)
20	COLLECTION_LAT_DEG The latitude (degrees portion) for the origin of the exotic seed lot.	NULL	NUMBER(2,0)
21	COLLECTION_LAT_MIN The latitude (minutes portion) for the origin of the exotic seed lot.	NULL	NUMBER(2,0)
22	COLLECTION_LAT_SEC 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	NULL	NUMBER(2,0)
23	COLLECTION_LATITUDE_CODE A code describing various Collection Latitude.	NULL	VARCHAR2(2)
24	COLLECTION_LONG_DEG The longitude (degrees portion) for the origin of the exotic Seed Lot.	NULL	NUMBER(3,0)
25	COLLECTION_LONG_MIN The longitude (minutes portion) for the origin of the exotic Seed Lot.	NULL	NUMBER(2,0)
26	COLLECTION_LONG_SEC	NULL	NUMBER(2,0)

Table: VEG_LOT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	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		
27	COLLECTION_LONGITUDE_CODE	NULL	VARCHAR2(2)
	A code describing various Collection Longitude Codes.		
28	PROVENANCE_ID	NULL	NUMBER(5)
	Superior provenance surrrogate key.		
29	COLLECTION_LOCN_DESC	NULL	VARCHAR2(30)
	A free-form text description of the location where the cutting lot originated.		
30	COLLECTION_AREA_RADIUS	NULL	NUMBER(5,1)
	Radius of the seedlot collection area.		
31	COLLECTION_STANDARD_MET_IND	NULL	VARCHAR2(1)
	Indicates acknowledgment of compliance or non-compliance with veg lot collection standards prescribed in the Chief Forester's Standards.		
32	COLLECTION_SEED_PLAN_ZONE_IND	NULL	VARCHAR2(1)
	Indicates whether the seedlot collection took place in one seed planning zone.		
33	COLLECTION_BGC_IND	NULL	VARCHAR2(1)
	Indicates whether the seedlot collection took place in one biogeoclimatic zone.		
34	BGC_ZONE_CODE	NULL	VARCHAR2(4)
	A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.		
35	BGC_SUBZONE_CODE	NULL	VARCHAR2(3)
	A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.		
41	VARIANT	NULL	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.		
51	BEC_VERSION_ID	NULL	NUMBER(10)
52	NAD_DATUM_CODE	NULL	VARCHAR2(2)
	A code describing various NAD Datum.		
60	UTM_ZONE	NULL	NUMBER(5,0)
	The Universal Transverse Mercator location reference known as the Zone reference.		
61	UTM_EASTING	NULL	NUMBER(10,0)
	The Universal Transverse Mercator location reference. This is the Easting reference (metres east of the Central Meridian of the zone).		
66	UTM_NORTHING	NULL	NUMBER(10,0)
	The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator).		
67	ELEVATION	NULL	NUMBER(5,0)
	The representative elevation in meters where the cutting lot parent trees originated.		
68	ELEVATION_MAX	NULL	NUMBER(5,0)
	The maximum elevation in meters where the cutting lot parent trees originated.		
69	ELEVATION_MIN	NULL	NUMBER(5,0)
	The minimum elevation in meters where the cutting lot parent trees originated.		
70	LATITUDE_DEGREES	NULL	NUMBER(2,0)
	The latitude (degrees portion) for the Cutting Lot.		
71	LATITUDE_MINUTES	NULL	NUMBER(2,0)
	The latitude (minutes portion) for the Cutting Lot.		
72	LATITUDE_SECONDS	NULL	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		
73	LATITUDE_DEG_MIN	NULL	NUMBER(2,0)
	The minimum latitude (degrees portion) for the cutting lot.		
74	LATITUDE_MIN_MIN	NULL	NUMBER(2,0)
	The minimum latitude (minutes portion) for the cutting lot.		
75	LATITUDE_SEC_MIN	NULL	NUMBER(2,0)

Table: VEG_LOT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The minimum latitude (seconds portion) for the seedlot.		
76	LATITUDE_DEG_MAX	NULL	NUMBER(2,0)
	The maximum latitude (degrees portion) for the cutting lot.		
77	LATITUDE_MIN_MAX	NULL	NUMBER(2,0)
	The maximum latitude (minutes portion) for the cutting lot.		
78	LATITUDE_SEC_MAX	NULL	NUMBER(2,0)
	The maximum latitude (seconds portion) for the seedlot.		
79	LONGITUDE_DEGREES	NULL	NUMBER(3,0)
	The logitude (degrees portion) for the Cutting Lot.		
80	LONGITUDE_MINUTES	NULL	NUMBER(2,0)
	The longitude (minutes portion) for the Cutting Lot.		
81	LONGITUDE_SECONDS	NULL	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		
82	LONGITUDE_DEG_MIN	NULL	NUMBER(3,0)
83	LONGITUDE_MIN_MIN	NULL	NUMBER(2,0)
84	LONGITUDE_SEC_MIN	NULL	NUMBER(2,0)
85	LONGITUDE_DEG_MAX	NULL	NUMBER(3,0)
86	LONGITUDE_MIN_MAX	NULL	NUMBER(2,0)
87	LONGITUDE_SEC_MAX	NULL	NUMBER(2,0)
88	SEED_PLAN_ZONE_CODE	NULL	VARCHAR2(3)
	A code describing various Seed Planning Zones.		
91	SEED_COAST_AREA_CODE	NULL	VARCHAR2(3)
	A code describing variousCoast Areas.		
92	ORCHARD_ID	NULL	VARCHAR2(3)
	A unique identifier which is assigned to a location where cuttings or A class seed is produced.		
94	EFFECTIVE_POP_SIZE	NULL	NUMBER(5,1)
	The calculated number of parents contributing to the seed lot.		
96	BIOTECH_PROCESSES_IND	NULL	VARCHAR2(1)
	Indicates if biotechnological processes been used to produce this lot.		
98	VEG_LOT_SOURCE_CODE	NULL	VARCHAR2(3)
100	SEED_PLAN_UNIT_ID	NULL	NUMBER(10,0)
	A unique identifier which is assigned to a Seed Planning Unit.		
102	TOTAL_PARENT_TREES	NULL	NUMBER(5)
	Total number of parent trees.		
104	APPROVED_USERID	NULL	VARCHAR2(30)
	The userid of the individual that approved the Seed Lot's information.		
106	APPROVED_TIMESTAMP	NULL	DATE
	The time and date a Veg Lot's information was approved.		
108	DECLARED_USERID	NULL	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		
110	DECLARED_TIMESTAMP	NULL	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		
112	VEG_LOT_COMMENT	NULL	VARCHAR2(2000)
	A free format text field used to enter general comments for a veg lot.		
118	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The userid of the individual that entered the Veg Lot..		
	2004-02-23 R.A.Robb (PT#25601)		
	- Added to enable auditing		
120	ENTRY_TIMESTAMP	NOT NULL	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		

Table: VEG_LOT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
122	UPDATE_USERID The userid of the individual that changed the Veg Lot. 2004-02-23 R.A.Robb (PT#25601) - Added to enable auditing	NOT NULL	VARCHAR2(30)
124	UPDATE_TIMESTAMP 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	NOT NULL	DATE
126	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

VL_BVC_FK
 BEC_VERSION_ID = BEC_VERSION_CONTROL.BEC_VERSION_ID
 VL_CL1_FK
 APPLICANT_CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 APPLICANT_CLIENT_LOCN = CLIENT_LOCATION.CLIENT_LOCN_CODE
 VL_CLC1_FK
 COLLECTION_LONGITUDE_CODE = COLLECTION_LONGITUDE_CODE.COLLECTION_LONGITUDE_CODE
 VL_CLC_FK
 COLLECTION_LATITUDE_CODE = COLLECTION_LATITUDE_CODE.COLLECTION_LATITUDE_CODE
 VL_CSC2_FK
 COLLECTION_SOURCE_CODE = COLLECTION_SOURCE_CODE.COLLECTION_SOURCE_CODE
 VL_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 VL_NDC_FK
 NAD_DATUM_CODE = NAD_DATUM_CODE.NAD_DATUM_CODE
 VL_ORC_FK
 ORCHARD_ID = ORCHARD.ORCHARD_ID
 VL_OU1_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
 VL_SCAC_FK
 SEED_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE
 VL_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 VL_ST2_FK
 SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID
 VL_SUPR_FK
 PROVENANCE_ID = SUPERIOR_PROVENANCE.PROVENANCE_ID
 VL_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE
 VL_VLSCD_FK
 VEG_LOT_SOURCE_CODE = VEG_LOT_SOURCE_CODE.VEG_LOT_SOURCE_CODE
 VL_VLSTCD_FK
 VEG_LOT_STATUS_CODE = VEG_LOT_STATUS_CODE.VEG_LOT_STATUS_CODE

Indexes:

I1\$ VEG_LOT
 BGC_ZONE_CODE
 BGC_SUBZONE_CODE
 VARIANT
 VL_BVC_FK_I
 BEC_VERSION_ID
 VL_CL1_FK_I
 APPLICANT_CLIENT_NUMBER
 APPLICANT_CLIENT_LOCN
 VL_CLC1_FK_I
 COLLECTION_LONGITUDE_CODE

Table: VEG_LOT (cont'd)*Indexes:*

VL_CLC_FK_I
COLLECTION_LATITUDE_CODE
VL_CSC2_FK_I
COLLECTION_SOURCE_CODE
VL_GCC_FK_I
GENETIC_CLASS_CODE
VL_NDC_FK_I
NAD_DATUM_CODE
VL_ORC_FK_I
ORCHARD_ID
VL_OU1_FK_I
ORG_UNIT_NO
VL_SCAC_FK_I
SEED_COAST_AREA_CODE
VL_SPZC_FK_I
SEED_PLAN_ZONE_CODE
VL_ST2_FK_I
SEED_PLAN_UNIT_ID
VL_SUPR_FK_I
PROVENANCE_ID
VL_VC_FK_I
VEGETATION_CODE
VL_VLSCD_FK_I
VEG_LOT_SOURCE_CODE
VL_VLSTCD_FK_I
VEG_LOT_STATUS_CODE

Notes:

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

-Added ENTRY_USERID, ENTRY_TIMESTAMP, UPDATE_USERID, UPDATE_TIMESTAMP 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 (RIs 3.0)

- Added several columns for Chief Forester's Standards.

- Removed SRCE_INFO and SOURCE_LOT_NUMBER (and associated FK to SEEDLOT.SEEDLOT_NUMBER)

Table: VEG_LOT_AUDIT**Description:**

This entity captures modifications to VEG LOT.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_AUDIT_ID A unique sequence to identify an audited Veg Lot instance.	NOT NULL	NUMBER(10)
2	AUDIT_DATE The date and time the audit record was created.	NOT NULL	DATE
3	SPAR_AUDIT_CODE Provides the reason for the Audit record's existence.	NOT NULL	VARCHAR2(1)
4	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
5	VEG_LOT_STATUS_CODE	NULL	VARCHAR2(3)
6	VEGETATION_CODE A code describing various Vegetation Species.	NULL	VARCHAR2(8)
7	GENETIC_CLASS_CODE A code describing various Genetic Classes.	NOT NULL	VARCHAR2(1)
9	BC_SOURCE_IND Indicates whether the source of the seedlot is within British Columbia	NULL	VARCHAR2(1)
10	APPLICANT_CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
11	APPLICANT_CLIENT_LOCN 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.	NULL	VARCHAR2(2)
12	APPLICANT_EMAIL_ADDRESS Email address of client applying to register the seedlot	NULL	VARCHAR2(100)
13	COLLECTION_SOURCE_CODE A code describing various Collection Sources.	NULL	VARCHAR2(2)
14	SUPERIOR_PRVNC_IND An indicator identifying whether the material originated from a superior provenance ('Y' - yes) or not ('N').	NULL	VARCHAR2(1)
15	ORG_UNIT_NO	NULL	NUMBER(10,0)
16	REGISTERD_CTNG_IND An indicator which represents whether a cutting lot is registered for Crown land reforestation use ('Y' yes) or not ('N' no).	NOT NULL	VARCHAR2(1)
17	TO_BE_REGISTRD_IND An indicator which represents whether a seed lot is intended to be registered for crown land reforestation use ('Y' yes) or not ('N' no).	NULL	VARCHAR2(1)
18	REGISTERED_DATE The actual date (year, month, and day) when the seedlot was registered for crown land reforestation use.	NULL	DATE
19	ORCHARD_COMMENT Comments made by or about the collection Orchard.	NULL	VARCHAR2(2000)
20	COLLECTION_ELEVATION 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.	NULL	NUMBER(5,0)
21	COLLECTION_ELEVATION_MIN The minimum elevation in meters where the exotic seed lot originated.	NULL	NUMBER(5,0)
22	COLLECTION_ELEVATION_MAX The maximum elevation in meters where the exotic seed lot originated.	NULL	NUMBER(5,0)
23	COLLECTION_LAT_DEG The latitude (degrees portion) for the origin of the exotic seed lot.	NULL	NUMBER(2,0)
24	COLLECTION_LAT_MIN The latitude (minutes portion) for the origin of the exotic seed lot.	NULL	NUMBER(2,0)
25	COLLECTION_LAT_SEC 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	NULL	NUMBER(2,0)
26	COLLECTION_LATITUDE_CODE	NULL	VARCHAR2(2)

Table: VEG_LOT_AUDIT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	A code describing various Collection Latitude.		
27	COLLECTION_LONG_DEG	NULL	NUMBER(3,0)
	The longitude (degrees portion) for the origin of the exotic Seed Lot.		
28	COLLECTION_LONG_MIN	NULL	NUMBER(2,0)
	The longitude (minutes portion) for the origin of the exotic Seed Lot.		
29	COLLECTION_LONG_SEC	NULL	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		
30	COLLECTION_LONGITUDE_CODE	NULL	VARCHAR2(2)
	A code describing various Collection Longitude Codes.		
31	PROVENANCE_ID	NULL	NUMBER(5)
	Superior provenance surrogate key.		
32	COLLECTION_LOCN_DESC	NULL	VARCHAR2(30)
	A free-form text description of the location where the cutting lot originated.		
33	COLLECTION_AREA_RADIUS	NULL	NUMBER(5,1)
	Radius of the seedlot collection area.		
34	COLLECTION_STANDARD_MET_IND	NULL	VARCHAR2(1)
	Indicates acknowledgment of compliance or non-compliance with veg lot collection standards prescribed in the Chief Forester's Standards.		
35	COLLECTION_SEED_PLAN_ZONE_IND	NULL	VARCHAR2(1)
	Indicates whether the seedlot collection took place in one seed planning zone.		
36	COLLECTION_BGC_IND	NULL	VARCHAR2(1)
	Indicates whether the seedlot collection took place in one biogeoclimatic zone.		
37	BGC_ZONE_CODE	NULL	VARCHAR2(4)
	A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.		
38	BGC_SUBZONE_CODE	NULL	VARCHAR2(3)
	A large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate.		
39	VARIANT	NULL	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.		
44	BEC_VERSION_ID	NULL	NUMBER(10)
	The version number of the calculated BEC value based off of the BIOGEOCLIMATIC_POLY table.		
45	NAD_DATUM_CODE	NULL	VARCHAR2(2)
	A code describing various NAD Datum.		
46	UTM_ZONE	NULL	NUMBER(5,0)
	The Universal Transverse Mercator location reference known as the Zone reference.		
47	UTM_NORTHING	NULL	NUMBER(10,0)
	The Universal Transverse Mercator location reference. This is the Northing reference (metres north of the Equator).		
48	UTM_EASTING	NULL	NUMBER(10,0)
	The Universal Transverse Mercator location reference. This is the Easting reference (metres east of the Central Meridian of the zone).		
50	ELEVATION	NULL	NUMBER(5,0)
	The representative elevation in meters where the cutting lot parent trees originated.		
51	ELEVATION_MIN	NULL	NUMBER(5,0)
	The minimum elevation in meters where the cutting lot parent trees originated.		
52	ELEVATION_MAX	NULL	NUMBER(5,0)
	The maximum elevation in meters where the cutting lot parent trees originated.		
53	LATITUDE_DEGREES	NULL	NUMBER(2,0)
	The latitude (degrees portion) for the Cutting Lot.		
54	LATITUDE_MINUTES	NULL	NUMBER(2,0)
	The latitude (minutes portion) for the Cutting Lot.		
55	LATITUDE_SECONDS	NULL	NUMBER(2,0)
	The latitude (seconds portion) for the Cutting Lot.		

Table: VEG_LOT_AUDIT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>2005-03-14 R.A.Robb (PT#26063)</i>		
	<i>- Added for conformance with Chief Forester's Standards</i>		
56	LATITUDE_DEG_MIN The minimum latitude (degrees portion) for the cutting lot.	NULL	NUMBER(2,0)
57	LATITUDE_MIN_MIN The minimum latitude (minutes portion) for the cutting lot.	NULL	NUMBER(2,0)
58	LATITUDE_SEC_MIN The minimum latitude (seconds portion) for the seedlot.	NULL	NUMBER(2,0)
59	LATITUDE_DEG_MAX The maximum latitude (degrees portion) for the cutting lot.	NULL	NUMBER(2,0)
60	LATITUDE_MIN_MAX The maximum latitude (minutes portion) for the cutting lot.	NULL	NUMBER(2,0)
61	LATITUDE_SEC_MAX The maximum latitude (seconds portion) for the seedlot.	NULL	NUMBER(2,0)
62	LONGITUDE_DEGREES The logitude (degrees portion) for the Cutting Lot.	NULL	NUMBER(3,0)
63	LONGITUDE_MINUTES The longitude (minutes portion) for the Cutting Lot.	NULL	NUMBER(2,0)
64	LONGITUDE_SECONDS The longitude (seconds portion) for the Cutting Lot.	NULL	NUMBER(2,0)
	<i>2005-03-14 R.A.Robb (PT#26063)</i>		
	<i>- Added for conformance with Chief Forester's Standards</i>		
65	LONGITUDE_DEG_MIN	NULL	NUMBER(3,0)
66	LONGITUDE_MIN_MIN	NULL	NUMBER(2,0)
67	LONGITUDE_SEC_MIN	NULL	NUMBER(2,0)
68	LONGITUDE_DEG_MAX	NULL	NUMBER(3,0)
69	LONGITUDE_MIN_MAX	NULL	NUMBER(2,0)
70	LONGITUDE_SEC_MAX	NULL	NUMBER(2,0)
71	SEED_PLAN_ZONE_CODE A code describing various Seed Planning Zones.	NULL	VARCHAR2(3)
72	SEED_COAST_AREA_CODE A code describing variousCoast Areas.	NULL	VARCHAR2(3)
73	ORCHARD_ID A unique identifier which is assigned to a location where cuttings or A class seed is produced.	NULL	VARCHAR2(3)
74	EFFECTIVE_POP_SIZE The calculated number of parents contributing to the seed lot.	NULL	NUMBER(5,1)
75	BIOTECH_PROCESSES_IND Indicates if biotechnological processes been used to produce this lot.	NULL	VARCHAR2(1)
76	VEG_LOT_SOURCE_CODE	NULL	VARCHAR2(3)
77	SEED_PLAN_UNIT_ID A unique identifier which is assigned to a Seed Planning Unit.	NULL	NUMBER(10,0)
78	TOTAL_PARENT_TREES Total number of parent trees.	NULL	NUMBER(5)
79	APPROVED_USERID The userid of the individual that approved the Seed Lot's information.	NULL	VARCHAR2(30)
80	APPROVED_TIMESTAMP The time and date a Veg Lot's information was approved.	NULL	DATE
81	DECLARED_USERID 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	NULL	VARCHAR2(30)
82	DECLARED_TIMESTAMP 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	NULL	DATE
83	VEG_LOT_COMMENT A free format text field used to enter general comments for a veg lot.	NULL	VARCHAR2(2000)
84	ENTRY_USERID	NOT NULL	VARCHAR2(30)

Table: VEG_LOT_AUDIT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The userid of the individual that entered the Veg Lot.. 2004-02-23 R.A.Robb (PT#25601) - Added to enable auditing		
85	ENTRY_TIMESTAMP	NOT NULL	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		
85	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The userid of the individual that changed the Veg Lot. 2004-02-23 R.A.Robb (PT#25601) - Added to enable auditing		
86	UPDATE_TIMESTAMP	NOT NULL	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		
87	REVISION_COUNT	NOT NULL	NUMBER(5,0)
	A counter used to ensure data integrity. This item should be incremented during each update.		

Foreign Keys:

VLAUD_CL1_FK
 APPLICANT_CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 APPLICANT_CLIENT_LOCN = CLIENT_LOCATION.CLIENT_LOCN_CODE
 VLAUD_CLC1_FK
 COLLECTION_LONGITUDE_CODE = COLLECTION_LONGITUDE_CODE.COLLECTION_LONGITUDE_CODE
 VLAUD_CLC_FK
 COLLECTION_LATITUDE_CODE = COLLECTION_LATITUDE_CODE.COLLECTION_LATITUDE_CODE
 VLAUD_CSC2_FK
 COLLECTION_SOURCE_CODE = COLLECTION_SOURCE_CODE.COLLECTION_SOURCE_CODE
 VLAUD_GCC_FK
 GENETIC_CLASS_CODE = GENETIC_CLASS_CODE.GENETIC_CLASS_CODE
 VLAUD_NDC_FK
 NAD_DATUM_CODE = NAD_DATUM_CODE.NAD_DATUM_CODE
 VLAUD_ORC_FK
 ORCHARD_ID = ORCHARD.ORCHARD_ID
 VLAUD_OU1_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
 VLAUD_SAUDC_FK
 SPAR_AUDIT_CODE = SPAR_AUDIT_CODE.SPAR_AUDIT_CODE
 VLAUD_SCAC_FK
 SEED_COAST_AREA_CODE = SEED_COAST_AREA_CODE.SEED_COAST_AREA_CODE
 VLAUD_SPZC_FK
 SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
 VLAUD_ST2_FK
 SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID
 VLAUD_SUPR_FK
 PROVENANCE_ID = SUPERIOR_PROVENANCE.PROVENANCE_ID
 VLAUD_VC_FK
 VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE
 VLAUD_VLSCD_FK
 VEG_LOT_SOURCE_CODE = VEG_LOT_SOURCE_CODE.VEG_LOT_SOURCE_CODE
 VLAUD_VLSTCD_FK
 VEG_LOT_STATUS_CODE = VEG_LOT_STATUS_CODE.VEG_LOT_STATUS_CODE

Notes:

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

Table: VEG_LOT_AUDIT (cont'd)*Notes:*

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 (RIs 3.0)

- regenerated to match VEG_LOT (indexes removed)

Table: VEG_LOT_CHARACTERISTIC*Description:*

Text which describes the general characteristics of the vegetative lot.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 2	LINE_ID The identifier for a line of text which describes the general characteristics of the cutting lot.	NOT NULL	NUMBER(5,0)
3	LOT_CHARACTERISTIC A line of text which describes the general characteristics of the cutting lot.	NULL	VARCHAR2(75)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_VLC_VL_FK
VEG_LOT_ID = VEG_LOT.VEG_LOT_ID

Indexes:

I1\$ _VEG_LOT_CHARACTERISTIC
VEG_LOT_ID

Table: VEG_LOT_GENETIC_WORTH*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 2	GENETIC_WORTH_CODE A code which represents a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	VARCHAR2(1)
* 3	GENETIC_WORTH_RTNG The rating for a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	NUMBER(5,0)
900	ENTRY_USERID The userid of the individual that entered the Veg Lot Genetic Worth. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
910	ENTRY_TIMESTAMP The time and date a Veg Lot Genetic Worth was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
920	UPDATE_USERID The userid of the individual that changed the Veg Lot Genetic Worth. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
930	UPDATE_TIMESTAMP The time and date a Veg Lot Genetic Worth was last updated on the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
999	REVISION_COUNT Internal counter used by the system to avoid conflicting updates to the record.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_VGW_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
SPR_VGW_VL_FK
VEG_LOT_ID = VEG_LOT.VEG_LOT_ID

Indexes:

I1\$_VEG_LOT_GENETIC_WORTH
VEG_LOT_ID

Table: VEG_LOT_GENETIC_WORTH_AUDIT**Description:**

Audits modifications to VEG LOT GENETIC WORTH.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 0	VEG_LOT_GENETIC_WORTH_AUDIT_ID A unique sequence to identify an audited Veg Lot Genetic Worth Audit instance.	NOT NULL	NUMBER(10)
1	AUDIT_DATE The date and time the audit record was created.	NOT NULL	DATE
2	SPAR_AUDIT_CODE Provides the reason for the Audit record's existence.	NOT NULL	VARCHAR2(1)
80	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
90	GENETIC_WORTH_CODE A code which represents a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	VARCHAR2(1)
100	GENETIC_WORTH_RTNG The rating for a subclassification of genetic quality for 'A' class seed lots.	NOT NULL	NUMBER(5,0)
900	ENTRY_USERID The userid of the individual that entered the Veg Lot Genetic Worth. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
910	ENTRY_TIMESTAMP The time and date a Veg Lot Genetic Worth was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
920	UPDATE_USERID The userid of the individual that changed the Veg Lot Genetic Worth. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	VARCHAR2(30)
930	UPDATE_TIMESTAMP The time and date a Veg Lot Genetic Worth was last updated on the system. 2005-02-14 R.A.Robb (PT#25601) -Added to support auditing	NOT NULL	DATE
999	REVISION_COUNT Internal counter used by the system to avoid conflicting updates to the record.	NOT NULL	NUMBER(5,0)

Foreign Keys:

VLGWA_GWC_FK
GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
VLGWA_SAUDC_FK
SPAR_AUDIT_CODE = SPAR_AUDIT_CODE.SPAR_AUDIT_CODE

Notes:

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

Table: VEG_LOT_GEOMETRY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
2	FEATURE_CLASS_SKEY	NOT NULL	NUMBER(10,0)
3	GEOMETRY Spatial information describing the Veg Lot's source (point) within the province. For lots collection from Natural Stands (i.e. genetic class = 'B') only.	NOT NULL	
4	DATA_SOURCE_CODE	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE	NULL	VARCHAR2(30)
6	ENTRY_USERID The Userid associated with adding, approving or updating the changes to an associated record.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE
10	UPDATE_USERID The Userid associated with adding, approving or updating the changes to an associated record.	NOT NULL	VARCHAR2(30)
12	UPDATE_TIMESTAMP The Date and Time associated with adding, approving or updating the changes to an associated record.	NOT NULL	DATE
14	REVISION_COUNT A counter to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

VLGEOM_CORPCM_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD.CAPTURE_METHOD_CODE
VLGEOM_CORPFC_FK
FEATURE_CLASS_SKEY = FEATURE_CLASSES.FEATURE_CLASS_SKEY
VLGEOM_DSCD_FK
DATA_SOURCE_CODE = DATA_SOURCE_CODE.DATA_SOURCE_CODE
VLGEOM_VL_FK
VEG_LOT_ID = VEG_LOT.VEG_LOT_ID

Table: VEG_LOT_HERITAGE*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PARENT_LOT_NUMBER The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 2	PARENT_LOT_IND 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.	NOT NULL	VARCHAR2(1)
* 3	CHILD_VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
4	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_VH_SEE_FK
PARENT_LOT_NUMBER = SEEDLOT.SEEDLOT_NUMBER
SPR_VH_VL_FK
CHILD_VEG_LOT_ID = VEG_LOT.VEG_LOT_ID

Indexes:

I1\$_VEG_LOT_HERITAGE
PARENT_LOT_NUMBER
PARENT_LOT_IND
CHILD_VEG_LOT_ID
I2\$_VEG_LOT_HERITAGE
PARENT_LOT_NUMBER
I3\$_VEG_LOT_HERITAGE
CHILD_VEG_LOT_ID

Notes:

2006-07-08 R.A.Robb (RIs 3.0)
- removed unique key I1\$_VEG_LOT_HERITAGE (it was redundant - i.e. a reversal of the PK).

Table: VEG_LOT_OWNER_QUANTITY*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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 20	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 30	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
* 40	CUTTING_PRDCTN_YEAR The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.	NOT NULL	NUMBER(5,0)
50	ROOTING_SUCCESS_FCTR The percentage of total cuttings that are expected to produce acceptable rooted seedlings.	NOT NULL	NUMBER(5,0)
60	ORIGINAL_PCT_OWNED The original percentage of cuttings that was owned by a client. Note that this column was added to the table in July of 2006. Original owned percentage was calculated from the current quantities.	NULL	NUMBER(4,1)
70	ORIGINAL_PCT_RSRVD The original percentage of cuttings from an owner's portion of a veg lot that has been declared surplus. Note that this column was added to the table in July of 2006. Original reserved owned percentage was calculated from the current quantities.	NULL	NUMBER(4,1)
80	ORIGINAL_PCT_SRPLS The original percentage of cuttings from an owner's portion of a veg lot that has been declared surplus. Note that this column was added to the table in July of 2006. Original surplus owned percentage was calculated from the current quantities.	NULL	NUMBER(4,1)
90	EST_QTY_RESERVED 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.	NOT NULL	NUMBER(7,1)
100	QTY_RSRVD_CMTD_PLN The amount of reserved cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Planned.	NOT NULL	NUMBER(7,1)
110	QTY_RSRVD_CMTD_APR The amount of reserved cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Approved.	NOT NULL	NUMBER(7,1)
120	EST_QTY_SURPLUS 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.	NOT NULL	NUMBER(7,1)
130	QTY_SRPLS_CMTD_PLN The amount of surplus cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Planned.	NOT NULL	NUMBER(7,1)
140	QTY_SRPLS_CMTD_APR The amount of surplus cuttings from an owner's portion of a cutting lot that has been committed on a Request that is Approved.	NOT NULL	NUMBER(7,1)
150	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_VLOQ_CL_FK
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 SPR_VLOQ_VL_FK

Table: VEG_LOT_OWNER_QUANTITY (cont'd)*Foreign Keys:*

VEG_LOT_ID = VEG_LOT.VEG_LOT_ID

Indexes:

SPR_VLOQ_CL_FK_I
CLIENT_NUMBER
CLIENT_LOCN_CODE

Notes:

2006-07-08 R.A.Robb (Rls 3.0)

- removed CTNG_AGE_CLASS_CODE and associated FK/index
- added ORIGINAL_PCT_OWNED, ORIGINAL_PCT_RSRVD, ORIGINAL_PCT_SRPLS

Table: VEG_LOT_PARENT_TREE*Description:*

Manages the association between Veg Lots and Parent Trees.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 2	CUTTING_PRDCTN_YEAR The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.	NOT NULL	NUMBER(5,0)
* 3	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
5	ESTIMATED_CUTTINGS	NOT NULL	NUMBER(10,0)
6	REVISION_COUNT	NOT NULL	NUMBER(5,0)

Foreign Keys:

VLPT_PT_FK
PARENT_TREE_ID = PARENT_TREE.PARENT_TREE_ID
VLPT_VL_FK
VEG_LOT_ID = VEG_LOT.VEG_LOT_ID

Indexes:

VLPT_PT_FK_I
PARENT_TREE_ID
VLPT_VL_FK_I
VEG_LOT_ID

Notes:

PARENT TREE SUBSYSTEM

Table: VEG_LOT_PARENT_TREE_GEN_QLTY*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 2	CUTTING_PRDCTN_YEAR The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.	NOT NULL	NUMBER(5,0)
* 3	PARENT_TREE_ID A unique identifier for each Parent Tree.	NOT NULL	NUMBER(10)
* 5	GENETIC_WORTH_CODE A code describing various Genetic Worths.	NOT NULL	VARCHAR2(1)
* 6	GENETIC_TYPE_CODE 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).	NOT NULL	VARCHAR2(2)
7	SEED_PLAN_UNIT_ID A unique identifier which is assigned to a Seed Planning Unit.	NULL	NUMBER(10,0)
8	GENETIC_QUALITY_VALUE	NOT NULL	NUMBER(4,1)
9	ESTIMATED_IND 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.	NOT NULL	VARCHAR2(1)
10	UNTESTED_IND Indicates whether or not the test result was estimated for an untested Parent Tree.	NOT NULL	VARCHAR2(1)
11	REVISION_COUNT	NOT NULL	NUMBER(5)

Foreign Keys:

VLPTGQ_GTCD_FK
 GENETIC_TYPE_CODE = GENETIC_TYPE_CODE.GENETIC_TYPE_CODE
 VLPTGQ_GWC_FK
 GENETIC_WORTH_CODE = GENETIC_WORTH_CODE.GENETIC_WORTH_CODE
 VLPTGQ_ST2_FK
 SEED_PLAN_UNIT_ID = SEED_PLAN_UNIT.SEED_PLAN_UNIT_ID
 VLPTGQ_VLPT_FK
 VEG_LOT_ID = VEG_LOT_PARENT_TREE.VEG_LOT_ID
 CUTTING_PRDCTN_YEAR = VEG_LOT_PARENT_TREE.CUTTING_PRDCTN_YEAR
 PARENT_TREE_ID = VEG_LOT_PARENT_TREE.PARENT_TREE_ID

Indexes:

VLPTGQ_GTCD_FK_I
 GENETIC_TYPE_CODE
 VLPTGQ_GWC_FK_I
 GENETIC_WORTH_CODE
 VLPTGQ_ST2_FK_I
 SEED_PLAN_UNIT_ID

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

Table: VEG_LOT_PLAN_ZONE*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
* 2	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which cutting lots may be used.	NOT NULL	VARCHAR2(3)
30	PRIMARY_IND	NULL	VARCHAR2(1)
76	ENTRY_USERID The userid of the individual that entered the Veg Lot Plan Zone. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	VARCHAR2(30)
77	ENTRY_TIMESTAMP The time and date a Veg Lot Plan Zone was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	DATE
99	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Unique Constraints:

I1\$ _VEG_LOT_PLAN_ZONE
SEED_PLAN_ZONE_CODE
VEG_LOT_ID

Foreign Keys:

SPR_VLPZ_SPZC_FK
SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE
SPR_VLPZ_VL_FK
VEG_LOT_ID = VEG_LOT.VEG_LOT_ID

Indexes:

I2\$ _VEG_LOT_PLAN_ZONE
VEG_LOT_ID

Table: VEG_LOT_PLAN_ZONE_AUDIT*Description:*

Audits modifications to VEG LOT PLAN_ZONE.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 0	VEG_LOT_PLAN_ZONE_AUDIT_ID A unique sequence to identify an audited Veg Lot Plan Zone Audit instance.	NOT NULL	NUMBER(10)
1	AUDIT_DATE The date and time the audit record was created.	NOT NULL	DATE
2	SPAR_AUDIT_CODE Provides the reason for the Audit record's existence.	NOT NULL	VARCHAR2(1)
90	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
100	SEED_PLAN_ZONE_CODE A code which represents an approved geographic area for which cutting lots may be used.	NOT NULL	VARCHAR2(3)
110	PRIMARY_IND	NULL	VARCHAR2(1)
400	ENTRY_USERID The userid of the individual that entered the Veg Lot Plan Zone. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	VARCHAR2(30)
410	ENTRY_TIMESTAMP The time and date a Veg Lot Plan Zone was entered onto the system. 2005-02-14 R.A.Robb (PT#25601) -Added for auditing purposes	NOT NULL	DATE
999	REVISION_COUNT A counter used to ensure data integrity. This item should be incremented during each update.	NOT NULL	NUMBER(5,0)

Foreign Keys:

VLPZA_SAUDC_FK

SPAR_AUDIT_CODE = SPAR_AUDIT_CODE.SPAR_AUDIT_CODE

VLPZA_SPZC_FK

SEED_PLAN_ZONE_CODE = SEED_PLAN_ZONE_CODE.SEED_PLAN_ZONE_CODE

Notes:

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

-Added for Auditing

Table: VEG_LOT_SOURCE_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_SOURCE_CODE	NOT NULL	VARCHAR2(3)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: VEG_LOT_STATUS_CODE*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_STATUS_CODE	NOT NULL	VARCHAR2(3)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: VEG_LOT_TRANSACTION**Description:**

A listing of all transactions affecting the owned quantity of cuttings produced.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 5	VEG_LOT_TRANSACTION_ID A sequence used to uniquely identify a Veg Lot Transaction. 2006-07-07 R.A.Robb (RIs 3.0) - added	NOT NULL	NUMBER(10)
6	VEG_LOT_ID The unique identifier (key) assigned to a source of cuttings of a particular species with the same genetic class and suitability factors.	NOT NULL	VARCHAR2(5)
7	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
8	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)
9	CUTTING_PRDCTN_YEAR The year for which a particular cutting lot produces cuttings. Cutting amounts will be projected for future production years.	NOT NULL	NUMBER(5)
11	ENTRY_TIMESTAMP A system generated date and time that records when the adjustment took place.	NOT NULL	DATE
13	ENTRY_USERID The system user identification of the individual that made the adjustment.	NOT NULL	VARCHAR2(30)
14	VEG_LOT_TRANSACTION_CODE A code which represents the reason for the transaction against a vegetative lot's balance of seed.	NOT NULL	VARCHAR2(3)
15	CHANGE_IN_RESERVE The actual amount that was added to or subtracted from the balance of an owner's portion of reserved cuttings.	NOT NULL	NUMBER(7,1)
16	CHANGE_IN_SURPLUS The actual amount that was added to or subtracted from the balance of an owner's portion of surplus cuttings.	NOT NULL	NUMBER(7,1)
17	USED_BY_CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NULL	VARCHAR2(8)
18	USED_BY_CLIENT_LOCN_CODE 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.	NULL	VARCHAR2(2)
19	REQUEST_SKEY A surrogate key to uniquely identify each Spar Request.	NULL	NUMBER(10,0)
20	ITEM_ID A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).	NULL	VARCHAR2(1)
21	REFERENCE_DESC 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.	NULL	VARCHAR2(50)
22	TRNSCTN_COMMENT General free-format text.	NULL	VARCHAR2(50)

Foreign Keys:

SPR_VLT_RI_FK

ITEM_ID = REQUEST_ITEM.ITEM_ID

REQUEST_SKEY = REQUEST_ITEM.REQUEST_SKEY

SPR_VLT_VLOQ_FK

VEG_LOT_ID = VEG_LOT_OWNER_QUANTITY.VEG_LOT_ID

CLIENT_NUMBER = VEG_LOT_OWNER_QUANTITY.CLIENT_NUMBER

CLIENT_LOCN_CODE = VEG_LOT_OWNER_QUANTITY.CLIENT_LOCN_CODE

CUTTING_PRDCTN_YEAR = VEG_LOT_OWNER_QUANTITY.CUTTING_PRDCTN_YEAR

SPR_VLT_VLTC_FK

VEG_LOT_TRANSACTION_CODE = VEG_LOT_TRANSACTION_CODE.VEG_LOT_TRANSACTION_CODE

Table: VEG_LOT_TRANSACTION (cont'd)*Indexes:*

I1\$ _VEG_LOT_TRANSACTION
REQUEST_SKEY
ITEM_ID
I2\$ _VEG_LOT_TRANSACTION
VEG_LOT_ID
CLIENT_NUMBER
CLIENT_LOCN_CODE
CUTTING_PRDCTN_YEAR
I3\$ _VEG_LOT_TRANSACTION
VEG_LOT_ID
VEG_LOT_TRANSACTION_CODE

Notes:

2006-07-08 R.A.Robb (Rls 3.0)
- removed CTNG_AGE_CLASS_CODE and associated FK/index
- PK changed (added VEG_LOT_TRANSACTION_ID) as per DA (B. Holland) to remove legacy
ENTRY_TIMESTAMP_MS column
2006-07-07 R.A.Robb (Rls 3.0)
- added

Table: VEG_LOT_TRANSACTION_CODE*Description:*

A list of valid Lot Transaction Codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VEG_LOT_TRANSACTION_CODE A code describing various Lot Transactions.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
9	UPDATE_TIMESTAMP The date and time of the last update.	NOT NULL	DATE

Table: WORKPLAN_NURSERY*Description:*

Association to standard worplan idneitifies that a workplan is suitable for the identified nursery preparation requirements.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STANDARD_WORKPLAN_SKEY A unique identifier specifying the specific worplan in question.	NOT NULL	NUMBER(10,0)
* 2	CLIENT_NUMBER A sequentially assigned number which uniquely identifies a Ministry client.	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE 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.	NOT NULL	VARCHAR2(2)

Foreign Keys:

SPR_WN1_SW_FK

STANDARD_WORKPLAN_SKEY = STANDARD_WORKPLAN.STANDARD_WORKPLAN_SKEY

Indexes:

I1\$_WORKPLAN_NURSERY

STANDARD_WORKPLAN_SKEY

Table: WORKPLAN_SERVICE*Description:*

Defines the list of services that will be performed for a workplan.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STANDARD_WORKPLAN_SKEY A surrogate key which uniquely identifies a standard workplan.	NOT NULL	NUMBER(10,0)
* 2	SEED_SERVICE_CODE A code which represents the type of service which is being requested to be performed.	NOT NULL	VARCHAR2(3)
3	SEQUENCE_NO An assigned value which is used to order the services being requested in a certain order.	NOT NULL	NUMBER(5,0)

Foreign Keys:

SPR_WS_SSC_FK

SEED_SERVICE_CODE = SEED_SERVICE_CODE.SEED_SERVICE_CODE

SPR_WS_SW_FK

STANDARD_WORKPLAN_SKEY = STANDARD_WORKPLAN.STANDARD_WORKPLAN_SKEY

Indexes:

I1\$_WORKPLAN_SERVICE

STANDARD_WORKPLAN_SKEY

Table: WORKPLAN_SPECIES*Description:*

Association to Standard Workplan identifies that a workplan is suitable for the identified species preparation requirements.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	STANDARD_WORKPLAN_SKEY A surrogate key which uniquely identifies a standard workplan.	NOT NULL	NUMBER(10,0)
* 3	VEGETATION_CODE A code which represents a species of tree or brush. A blank represents that the associated workplan is suitable for all species.	NOT NULL	VARCHAR2(8)

Foreign Keys:

SPR_WS1_SW_FK

STANDARD_WORKPLAN_SKEY = STANDARD_WORKPLAN.STANDARD_WORKPLAN_SKEY

SPR_WS1_VC_FK

VEGETATION_CODE = VEGETATION_CODE.VEGETATION_CODE

Indexes:

I1\$_WORKPLAN_SPECIES

STANDARD_WORKPLAN_SKEY

Table: WORKPLAN_TEST_TYPE*Description:*

Association to Standard Workplan identifies that a workplan is suitable for the identified test type preparation requirements.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	STANDARD_WORKPLAN_SKEY	NOT NULL	NUMBER(10,0)
	A surrogate key which uniquely identifies a standard workplan.		
* 3	SEEDLOT_TEST_CODE	NOT NULL	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.		

Foreign Keys:

SPR_WTT_STC_FK

SEEDLOT_TEST_CODE = SEEDLOT_TEST_CODE.SEEDLOT_TEST_CODE

SPR_WTT_SW_FK

STANDARD_WORKPLAN_SKEY = STANDARD_WORKPLAN.STANDARD_WORKPLAN_SKEY

Indexes:

I1\$_WORKPLAN_TEST_TYPE

STANDARD_WORKPLAN_SKEY