

Entity and Attribute Definitions Report

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Total Pages: 201
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Parameters

<i>Application:</i>	RESULTS
<i>Entities:</i>	%
<i>ER Diagram:</i>	%
<i>Include Entity Notes?</i>	Y
<i>Include Attribute Descriptions?</i>	Y
<i>Include Attribute Notes?</i>	Y
<i>Include Attribute Values?</i>	Y
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Entity Name: ACTIVITY TREATMENT UNIT

Short Name:

ATU

Plural: ACTIVITY TREATMENT UNIT

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

An Activity Treatment Unit is a Silvicultural treatment that is performed on a mappable area which deliniates a specific area of land. ATUs may not span opening boundaries but an opening may have more than one ATU associated with it.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ACTIVITY TREATMENT UNIT ID		N	NUMBER	10,0
System generated value uniquely identifying the Activity Treatment Unit.				
ACTIVITY TU SEQ NO		N	NUMBER	5,0
Internal processing variable used to maintain order of the activity treatment units for a specific opening.				
2003/01/10 HS: Change the optionality from YES to NO.				
PROJECT UNIT ID		Y	NUMBER	3,0
A system generated sequence to uniquely identify each of the units within the project. First activity assigned to the project is unit 1; second is unit 2; and, so on.				
2006-02-08 R.A.Robb (Rls 3.0)				
- added				
TREATMENT AMOUNT		Y	NUMBER	11,1
The amount (unit of measure) of work actually completed for the ATU.				
2002/12/20 DM Changed name from TRTMNT AMNT to NET AREA TREATED				
2003/01/10 HS: Tony Dellaviola requested that the name be altered back to TREATMENT AMOUNT as it is more appropriate.				
ACT PLANTED NO		Y	NUMBER	10,0
The actual number seedlings planted for each activity treatment unit. If a planned activity exists, the planned number is defaulted as the actual planted number.				
ACTIVITY LICENSEE ID		Y	VARCHAR2	30
A unique identifier provided by the Licensee to identify the Activity Number.				
Feb 12 2003 wc Added Attribute				
PLANNED DATE		Y	DATE	
The century, year and month in which work on the ATU is planned to commence. The Day component of the date will be set to "01".				
PLANNED TREATMENT COST		Y	NUMBER	9,0
The total cost anticipated to complete the work.				
2004-01-02				
- Added for RESULTS 2.0				
PLANNED TREATMENT AMOUNT		Y	NUMBER	11,1
The planned amount (unit of measure) of work for the ATU.				
2006-02-08 R.A.Robb (Rls 3.0)				
- added				
ATU START DATE		Y	DATE	
The actual start date of the activity. Currently only pertains to Disturbance activities (SILV BASE CODE = 'DN')				
ATU COMPLETION DATE		Y	DATE	
The actual date when the activity is completed.				
2003/01/10 HS: Change the attribute name from ATU COMPLETION DT to ATU COMPLETION DATE to remain consistent with other DATE attributes.				
RESULTS IND		Y	VARCHAR2	1
A system controlled Yes/No flag indicating if activity results have been recorded for the ATU.				

Entity Name:	ACTIVITY TREATMENT UNIT (cont'd)	Short Name:	ATU
FIA PROJECT ID	Y VARCHAR2	10	
The Project Id identified for the Forest Investment Account. <i>Feb 14 2003 wc Changed from Number to Varchar2.</i>			
ACTUAL TREATMENT COST	Y NUMBER	9,0	
The actual cost incurred to complete the work. <i>2006-02-08 R.A.Robb (Rls 3.0)</i> <i>- added</i>			
UNIT BID PRICE	Y NUMBER	9,2	
Contract bid price per unit of work. <i>2006-02-08 R.A.Robb (Rls 3.0)</i> <i>- added</i>			
DISTURBANCE COMPLETED IND	Y VARCHAR2	1	
Denotes whether or not the activity completes disturbance activities on the cut block. This only applies to Disturbance activities (i.e. SILV BASE CODE = 'DN'). Setting of this attribute may trigger other events such as modification of CUT BLOCK Status in FTA. <i>Moved from collapsed entity DISTURBANCE RESULT.</i>			
MIN ACCEPTABLE DENSITY	Y NUMBER	4,0	
The contracted minimum allowable stand density of total countable conifers. <i>2006-03-10 R.A.Robb (Rls 3.0)</i> <i>- added</i>			
ENTRY USERID	N VARCHAR2	30	
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP	N DATE		
The date and time the information was entered.			
UPDATE USERID	N VARCHAR2	30	
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP	N DATE		
The date and time of the last update.			
REVISION COUNT	N NUMBER	5,0	
Internal counter used by the system to avoid conflicting updates to the record.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

MAY BE spatially described by one and only one ACTIVITY TREATMENT UNIT GEOMETRY

MAY BE Is Linked By one or more ACTIVITY TU COMMENT LINKS

MAY BE shown by one or more ACTIVITY TU MAP IMAGE

MUST BE is conducted for one and only one OPENING

MUST BE References an Admin District in one and only one ORG UNIT

MAY BE has one or more PLANTING RSLT

MAY BE submitted by one and only one RESULTS ELECTRONIC SUBMISSION

MUST BE described by one and only one SILV ACTIVITY MEASUREMENT CODE

MUST BE performs one and only one SILV BASE CODE

MAY BE funded by one and only one SILV FUND SRCE CODE

MAY BE plans one and only one SILV FUND SRCE CODE

MAY BE performs one and only one SILV METHOD CODE

MAY BE plans one and only one SILV METHOD CODE

MAY BE achieves one and only one SILV OBJECTIVE CODE

MAY BE achieves one and only one SILV OBJECTIVE CODE

MAY BE achieves one and only one SILV OBJECTIVE CODE

MAY BE plans one and only one SILV OBJECTIVE CODE

Entity Name: ACTIVITY TREATMENT UNIT (cont'd)*Short Name:*

ATU

MAY BE plans one and only one SILV OBJECTIVE CODE

MAY BE plans one and only one SILV OBJECTIVE CODE

MAY BE associated with one or more SILV RELIEF APPLICATION

MAY BE performs one and only one SILV TECHNIQUE CODE

MAY BE plans one and only one SILV TECHNIQUE CODE

MAY BE executed via one and only one SILVICULTURE PROJECT

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

ATU_PK

Primary Y

ACTIVITY TREATMENT UNIT ID

Notes:

2002/12/24 HS: Removed the following attributes as no longer required since ATU MAP IMAGE was created: SUBMISSION ID and MAP_IMAGE

2003/01/10 HS: Dropped the relationship to ADMIN ORG UNIT as the district is sufficient to derive the ADMIN ORG UNIT.

Feb 04 2003 wc Dropped MIN X MIN Y MAX X MAX Y

2006-02-08 R.A.Robb (Rls 3.0)

- added PLANNED TREATMENT AMOUNT, ACTUAL TREATMENT COST, UNIT BID PRICE

Subtypes:

DISTURBANCE RSLT

JUVENILE SPACING RSLT

PRUNING RSLT

SITE PREPARATION RSLT

SURVEY RSLT

Entity Name: ACTIVITY TREATMENT UNIT GEOMETR	Short Name:	ATUG
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Plural: ACTIVITY TREATMENT UNIT GEOMETRY

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

The spatial polygon component for a silviculture activity treatment unit.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
GEOMETRY	MOF GEOMETRY	N	IMAGE	
Spatial coordinate representation of the polygon applied by the Activity Treatment Unit.				
FEATURE AREA	MOF FEATURE AREA	N	NUMBER	11,4
The area of the polygon pertaining to the Activity Treatment Unit measured in square metres.				
FEATURE PERIMETER	MOF FEATURE PERIMETER	N	NUMBER	11,4
The perimeter of the polygon pertaining to the Activity Treatment Unit measured in metres.				
OBSERVATION DATE		Y	DATE	
Captures the date of observation for the given feature image.				
DATA QUALITY COMMENT		Y	VARCHAR2	255
Allows users to specify comments regarding the accuracy and general quality of the given feature's data.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE spatially describes one and only one ACTIVITY TREATMENT UNIT
- MAY BE described by one and only one CORP CAPTURE METHOD
- MAY BE described by one and only one DATA SOURCE CODE
- MUST BE described by one and only one FEATURE CLASS

* = Relationships in primary unique identifier.

Unique Identifiers:

ATUG	<i>Primary</i>	Y
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MUST BE spatially describes one and only one ACTIVITY TREATMENT UNIT

Entity Name: ACTIVITY TU COMMENT LINK		Short Name:	ACL
Plural:	ACTIVITY TU COMMENT LINKS		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Stores the ATU surrogate key for a particular comment.

Attributes:

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

- Relationships:*
- Each Occurrence Of This Entity:
- * MUST BE Links one and only one ACTIVITY TREATMENT UNIT
 - * MUST BE Links one and only one SILVICULTURE COMMENT
- * = Relationships in primary unique identifier.

Unique Identifiers:

ACL_PK	Primary	Y
MUST BE Links one and only one ACTIVITY TREATMENT UNIT		
MUST BE Links one and only one SILVICULTURE COMMENT		

Notes:

Jan 22 2003 wc Changed name from ATU_CMT_LNK to ATU_COMMENT_LINK

Jan 22 2003 wc Changed name from ATU COMMENT LINK to ACTIVITY TU COMMENT LINK

Entity Name: ACTIVITY TU MAP IMAGE

Short Name:

AMI

Plural: ACTIVITY TU MAP IMAGE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The various map images that are related to an activity.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ACTIVITY TU MAP IMAGE ID		N	NUMBER	10,0
Unique identifier for the map image that is being stored.				
<i>Jan 23 2003 wc Change name from IMAGE ID to ACTIVITY TU MAP IMAGE ID</i>				
MAP IMAGE		Y	IMAGE	
The actual map in a recognized format.				
<i>2003/06/02 HS - Change optionality as the spatial data load may fail and thereby a map cannot be generated.</i>				
SPATIAL LOAD IND		N	VARCHAR2	1
An indicator identifying if the spatial data was loaded successfully or not into the spatial database at MSRM.				
<i>2003/03/20 HS</i>				
<i>Added this attribute to identify if the spatial data loaded successfully as part of the XML submission or not.</i>				
<i>Allowable Values of Attribute</i>				
P	Pending		P	
N	Spatial data load failed.		N	
Y	Spatial data loaded successfully		Y	
XML RENDER COMPLETE IND		N	VARCHAR2	240
This attribute is used to identify the state of the generating the render image for the opening through the XML process.				
<i>2003/07/24 HS - New attribute</i>				
<i>Allowable Values of Attribute</i>				
P	Pending		P	
Y	Yes			
N	No			
MIN_X		Y	NUMBER	9,0
The starting X point for the polygon.				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
MIN_Y		Y	NUMBER	9,0
The starting Y coordinate for the polygon				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
MAX_X		Y	NUMBER	9,0
The maximum X coordinate for the polygon				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
MAX_Y		Y	NUMBER	9,0
The maximum Y coordinate for the polygon.				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
<i>2003/01/14 HS: Set the maximum length to 30.</i>				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				

Entity Name:	ACTIVITY TU MAP IMAGE (cont'd)	Short Name:	AMI
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2003/01/14 HS: Set the maximum length to 30.

UPDATE TIMESTAMP	N	DATE
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The date and time of the last update.

REVISION COUNT	N	NUMBER	5,0
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A counter identifying the number of times this record as been modified.
Used in the web page access to determine if the record as been modified since the data was first retrieved.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE associated to one and only one ACTIVITY TREATMENT UNIT

MUST BE identify one and only one SILV IMAGE TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

AMI_PK	Primary	Y
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ACTIVITY TU MAP IMAGE ID

Notes:

Jan 22 2003 wc Changed name from ATU MAP IMAGE to ACTIVITY TU MAP IMAGE

Entity Name: AGE CLASS CODE			Short Name:	ACC
Plural:	AGE CLASS CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
The age classification of the primary tree species in the previous stand (for the area under the prescription).

Attributes:				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* AGE CLASS CODE		N	VARCHAR2	1
The age classification of the primary tree species in the previous stand (for the area under the prescription).				
Jan 23 2003 wc Changed name from PREV AGE CLASS CODE to AGE CLASS CODE				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE Describes an Age Class one or more OPENING
* = Relationships in primary unique identifier.

Unique Identifiers:
ACC_PK Primary Y
AGE CLASS CODE

Entity Name: AMALGAMATED OPENING*Short Name:*

AO

Plural: AMALGAMATED OPENING*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Identifies the Openings submitted for approval to be amalgamated into a new Opening in order to ease management effort.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
PRIMARY OPENING IND		N	VARCHAR2	1
One and only one existing Opening in an Amalgamation must be denoted as the Primary Opening. When Openings are Amalgamated into a new Opening, the Primary Tenure from the Primary Opening will be the Primary Tenure for the new Opening.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = *Attributes in primary unique identifier.*

Relationships:*Each Occurrence Of This Entity:*

MUST BE amalgamates one and only one OPENING

MUST BE included in one and only one OPENING AMALGAMATION

* = *Relationships in primary unique identifier.*

Notes:

2006-04-01 R.A.Robb (RESULTS 3.0)

- added for unflattening of OPENING AMALGAMATION

Entity Name: BEC CODE TABLE

Short Name:

BCT2

Plural: BEC CODE TABLE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The Biogeoclimatic Ecosystem Classification (BEC) table 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 indicating the Forest Region they occur in.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* BEC CODE ID		N NUMBER	4,0
Unique identifier for biogeoclimatic unit code.			
BGC ZONE CODE		N VARCHAR2	4
A code used to designate a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. Biogeoclimatic Zones are unique within the province of British Columbia.			
BGC SUBZONE CODE		N VARCHAR2	3
A code used to designate a division of a specific biogeoclimatic Zone; a geographic area with a fairly uniform regional climate and a typical pattern of vegetation and soils. Subzones are not unique. They are only meaningful in conjunction with a Zone.			
VARIANT		Y VARCHAR2	1
A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area within a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone.			
PHASE		Y VARCHAR2	1
A one character code used to denote an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases are not unique. They only have meaning in combination with a specific Zone, Subzone and Variant.			
ZONE NAME		N VARCHAR2	35
A descriptive name given to a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. Zone names describe the major vegetation contained within the zone.			
SUBZONE NAME		N VARCHAR2	35
A descriptive name given to a division of the biogeoclimatic zone. Subzone names define the normal regional climate for the division of a biogeoclimatic zone.			
VARIANT NAME		Y VARCHAR2	20
A descriptive name given to a division of the biogeoclimatic subzone. Variant names usually denote a location within the biogeoclimatic subzone (e.g. Eastern or Okanagan areas within a subzone).			
PHASE NAME		Y VARCHAR2	15
A descriptive name given to an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases may denote a different type of vegetation (e.g. grassland within a Douglas Fir subzone), a difference in climatic conditions (e.g. Cold Air), etc.			
NOTES		N VARCHAR2	72
A comment on the Zone, Subzone, Variant, or Phase.			
* = Attributes in primary unique identifier.			

Unique Identifiers:

BZC

Primary Y

BEC CODE ID

Entity Name: BEC SITE SERIES

Short Name:

BSS

Plural: BEC SITE SERIES

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

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

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* BEC SITE SERIES ID		N NUMBER	4,0
Assigned numeric identifier for a site series unique within a biogeoclimatic unit.			
BEC SITE SERIES CD		N VARCHAR2	4
A code for the biogeoclimatic site series. Site series is the consideration of all ecosystems capable of producing vegetation belonging to the same plant association at climax.			
A code for a site series which is defined as all land areas capable of producing vegetation belonging to the same plant association (or sometimes, subassociation) within a biogeoclimatic subzone or variant. Two-digit numeric codes are usually forested site series; four-character alphanumeric codes are non-forested site series including wetlands, grasslands, talus, rock outcrops, etc. Any two-digit numeric codes for non-forested site series will be migrated to the alphanumeric codes whenever field guides are updated.			
2006-02-02 R.A.Robb (Release 3.0)			
- modified maxlength from 2 to 4			
BGC ZONE CODE		N VARCHAR2	240
A code used to designate a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. Biogeoclimatic Zones are unique within the province of British Columbia.			
2003 Mar 12 wc Added BGC_ZONE_CODE			
BEC REGION CODE		N VARCHAR2	3
A code identifying the biogeoclimatic region.			
Jan 27 2003 wc Added Attribute BEC_REGION_CODE			
BGC SUBZONE CODE		N VARCHAR2	240
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.			
2003 Mar 12 wc Added BGC_SUBZONE_CODE			
SITE SERIES PHASE CD		Y VARCHAR2	3
A subdivision of a site series used when site or soil properties differ sufficiently to affect management prescriptions.			
VARIANT		Y VARCHAR2	240
A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area within a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone.			
2003 Mar 12 wc Added VARIANT			
PHASE		Y VARCHAR2	240
A one character code used to denote an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases are not unique. They only have meaning in combination with a specific Zone, Subzone and Variant.			
2003 Mar 12 wc Added PHASE			
SERIAL		Y VARCHAR2	4
The seral (often termed successional) classification in BEC is an integration of site and vegetation classifications with structural stage development			
SITE SERIES DESCRIPTION		N VARCHAR2	80
A connotative label, made up of the names of the potentially dominant plant species for a			

Entity Name:	BEC SITE SERIES (cont'd)	<i>Short Name:</i>	BSS
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site series.

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more TREATMENT REGIME

* = *Relationships in primary unique identifier.*

Unique Identifiers:

BEC_SITE_SERIES_PK Primary Y

BEC SITE SERIES ID

Notes:

2002/12/27 HS: Removed the relationship to STANDARD REGIME SITE SERIES as the BGC attributes are stored within the table.

2003 Mar 12 wc Added BGC_ZONE_CODE, BGC_SUBZONE_CODE, VARIANT and PHASE

2006-02-02 R.A.Robb (Release 3.0)

- modified BEC SITE SERIES CD maxlength from 2 to 4

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

Description:

The Biogeoclimatic Zone of interest to MOF. A code used to designate a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. Biogeoclimatic Zones are unique within the province of British Columbia.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BGC ZONE CODE		N	VARCHAR2	4
A large geographic area with a broadly homogeneous macroclimate which influences the development of vegetation and soil.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more TREATMENT REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

BGCZCD	Primary	Y
BGC ZONE CODE		

Entity Name: BLOCK STATUS CODE			<i>Short Name:</i>	BSCD
<i>Plural:</i>	BLOCK STATUS CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:
Describes the BLOCK STATUS CODE

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BLOCK STATUS CODE		N	VARCHAR2	3
The before status image of the Cut Block. The status indicates the point the Cut Block is at in it's lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.				
DESCRIPTION		N	VARCHAR2	120
Description of the code value				
EFFECTIVE DATE		N	DATE	
Date the code becomes effective				
EXPIRY DATE		N	DATE	
Date the code expires				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE describing a block status sub type for one or more CUT BLOCK
* = Relationships in primary unique identifier.

Unique Identifiers:
BBSSTCD_PK Primary Y
BLOCK STATUS CODE

Entity Name: CLIENT ACRONYM		<i>Short Name:</i>	CA
<i>Plural:</i>	CLIENT ACRONYM		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A familiar alphabetic acronym to be used as an alternate to the Ministry's Client Number for data entry and display. Each acronym points to a specific Client.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CLIENT ACRONYM		N	VARCHAR2	8
A familiar alphabetic acronym to be used as an alternative to the Ministry's Client Number for data entry and display.				
REVISION COUNT		N	NUMBER	5,0
A counter used to ensure data integrity. This item should be incremented during each update.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE Is alias For one and only one FOREST CLIENT

* = Relationships in primary unique identifier.

Unique Identifiers:

I1\$_CLIENT_ACRONYM	Primary	N
MUST BE Is alias For one and only one FOREST CLIENT		
CA_PK	Primary	Y
CLIENT ACRONYM		

Entity Name: CLIENT LOCATION		Short Name:	CL
Plural:	CLIENT LOCATION		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

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

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CLIENT LOCN CODE		N	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.				
CLIENT LOCN NAME		N	VARCHAR2	40
Restricted for identifying corporate division names and joint venture names. Other comments are INVALID.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE linked one or more FOR CLIENT LINK

* MUST BE an office of one and only one FOREST CLIENT

MAY BE submitting request for one or more RESULTS ELECTRONIC SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

CL_PK	Primary	Y
MUST BE an office of one and only one FOREST CLIENT		
CLIENT LOCN CODE		

Entity Name: CODE LIST TABLE

Short Name:

CLT

Plural: CODE LIST TABLE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Represents a physical code lookup table for verifying and decoding entered codes. Contains "permanent" ministry-standard codes as well as "application- specific" code lookups.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* COLUMN NAME		N	VARCHAR2	18
Contains the name of the code that is being expanded from a code to a result (eg. "SPECIES_CODE" is the code name, "F" is the argument passed in, and "Fir" is the expanded result).				
* CODE ARGUMENT		N	VARCHAR2	50
Contains the code argument that is passed in, to be expanded to the result (i.e. translate the code into what the code means).				
EXPANDED RESULT		N	VARCHAR2	120
Contains the result of a code lookup(eg. code name "tree_species", code argument "F", the result is "Fiir")				
EFFECTIVE DATE		N	DATE	
The date on which the code value becomes valid as a Ministry of Forests corporate code.				
EXPIRY DATE		N	DATE	
The date on which the code argument is no longer an active code value within the ministrys corporate codes. At the determination of the code custodian, an expired code value may be retained for historical purpose, or may be deleted.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MUST BE having codes included in one or more CODE SUBSET TBL

* = Relationships in primary unique identifier.

Unique Identifiers:

CLT_PK	Primary	Y
COLUMN NAME		
CODE ARGUMENT		

Entity Name: CODE SUBSET TBL		<i>Short Name:</i>	CST
<i>Plural:</i>	CODE SUBSET TBL		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Contains subsets to any ministry-standard code listed in CODE_LIST_TABLE. The subset codes are used when some codes from CODE_LIST_TABLE are valid for an application or view, but others are not.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CODE SUBSET NAME		N	VARCHAR2	18
Contains the name of a code list that points to a subset of codes from CODE_LIST_TABLE.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MAY BE defining sets of one and only one CODE LIST TABLE

* = Relationships in primary unique identifier.

Unique Identifiers:

CLST_PK	Primary	Y
CODE SUBSET NAME		
MAY BE defining sets of one and only one CODE LIST TABLE		

Entity Name: CREW CONTRACT HIRE CODE			Short Name:	CCHCD
Plural:	CREW CONTRACT HIRE CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

A code to indicate the tendering process used to select a contractor.
Maps to MOF Code List 'CREW_CNTRCTHIRE_CD'

Attributes:					
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	
* CREW CONTRACT HIRE CODE		N	VARCHAR2		1
A code to indicate the tendering process used to select a contractor.					
DESCRIPTION		N	VARCHAR2		120
Full description of code value.					
EFFECTIVE DATE		N	DATE		
The date the value is available for use.					
EXPIRY DATE		N	DATE		
The date the value is no longer available for use.					
UPDATE TIMESTAMP		N	DATE		
The date and time the value was last modified.					
* = Attributes in primary unique identifier.					

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more SILVICULTURE PROJECT

* = Relationships in primary unique identifier.

Unique Identifiers:

CHCD	Primary	Y
CREW CONTRACT HIRE CODE		

Notes:

2006-02-02 R.A.Robb (Release 3.0)
- added

Entity Name: CUT BLOCK

Short Name:

CB

Plural: CUT BLOCK

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

This entity identifies the harvesting activities within a cut block. See the FTAS data model for attribute names.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST FILE ID		N	VARCHAR2	10
File identification assigned to provincial forest use files. Assigned file number.				
* CUT BLOCK ID		N	VARCHAR2	10
Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's)				
* CUTTING PERMIT ID		N	VARCHAR2	3
Identifier for a cutting permit associated with a quota type tenure.				
SP EXEMPT IND		N	VARCHAR2	1
Only set to 'Y' for 'Exemption for silviculture Prescriptions' under sec. 30 of the Forest Practices Code of British Columbia Act, eg cut blocks under one hectare, or the use of the land will be incompatible with the establishment of a free growing stand.				
BLOCK STATUS DATE		Y	DATE	
The date on which the current cut block status was set.				
<i>Added Jan 13 2003</i>				
CUT BLOCK DESCRIPTION		Y	VARCHAR2	120
Description of the code value				
<i>Added Jan 13 2003</i>				
REVISION COUNT		N	NUMBER	5,0
A count of the number of times an entry in the entity has been modified.				
Used to validate if the current information displayed on a user's web browser is the most current.				
ENTRY USERID		N	VARCHAR2	240
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
Timestamp when the event information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the person who performed the last update to the information.				
<i>2003/01/14 HS: Set the maximum length from 80 to 30.</i>				
UPDATE TIMESTAMP		N	DATE	
The timestamp of the last update to the cut block information.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MUST BE desribed by one and only one BLOCK STATUS CODE

MAY BE Contains one and only one CUT BLOCK OPEN ADMIN

MAY BE Connect clients by one or more FOR CLIENT LINK

MAY BE associated with one or more PRMT AUTHZD BLK

MUST BE specifying the harvest area for one and only one TIMBER MARK

* = Relationships in primary unique identifier.

Unique Identifiers:

CBLK_UK1

Primary Y

FOREST FILE ID

Entity Name:	CUT BLOCK (cont'd)	Short Name:	CB
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CUTTING PERMIT ID
CUT BLOCK ID

Notes:

Removed the following entities Jan 13 2003 - CUR_GROSS_BLK_AREA, CUR_NET_BLK_AREA, HARVEST_SEQUENCE, SEASON_CODE, STEEP_SLOPE_PCT, TODAY_LOGGED_AREA

Entity Name: CUT BLOCK OPEN ADMIN**Short Name:**

CBOA

Plural: CUT BLOCK OPEN ADMIN**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Describes the relationship between cut blocks and openings.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CUT BLOCK OPEN ADMIN ID		N	NUMBER	10,0
System generated value uniquely identifying the Cut Block/Opening. 2003/01/13 HS: Created.				
OPENING GROSS AREA		Y	NUMBER	11,4
The total area that the opening encompasses (e.g., 120 Hectares).				
DISTURBANCE GROSS AREA		Y	NUMBER	11,4
Current gross area of the cut block, in hectares, including all approved amendments.				
OPENING PRIME LICENCE IND		Y	VARCHAR2	1
A (Y/N) indicator used to show whether or not this is the primary licence holder for the Opening. Feb 04 2003 wc Added column				
DISTURBANCE START DATE		Y	DATE	
Actual date that harvesting started on the cut block.				
DISTURBANCE END DATE		Y	DATE	
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.				
PLANNED GROSS BLOCK AREA		Y	NUMBER	11,4
Estimated initial gross area of the cut block, in hectares, from the PHSP.				
PLANNED NET BLOCK AREA		Y	NUMBER	11,4
Estimated planned gross area of the cut block, in hectares, from the PHSP.				
PLANNED HARVEST DATE		Y	DATE	
The date on which the harvest was planned.				
REVISION COUNT		N	NUMBER	5,0
A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.				
ENTRY USERID		N	VARCHAR2	30
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
Timestamp when the event information was entered.				
UPDATE USERID		N	VARCHAR2	30
The unique id of the user who last modified this entry.				
UPDATE TIMESTAMP		N	DATE	
The date and time the entry was last modified.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE Belongs to one and only one CUT BLOCK

MAY BE harvest results one or more DISTURBANCE RSLT

MAY BE Belongs to one and only one OPENING

* = Relationships in primary unique identifier.

Entity Name:	CUT BLOCK OPEN ADMIN (cont'd)	<i>Short Name:</i>	CBOA
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Unique Identifiers:

CBOA

PrimaryY

CUT BLOCK OPEN ADMIN ID

Notes:

Added Jan 13 2003

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

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

Attributes:

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

A list of codes defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).

* = *Attributes in primary unique identifier.*

Relationships:

<u>Each Occurrence Of This Entity:</u>
MAY BE describes one or more ACTIVITY TREATMENT UNIT GEOMETRY
MAY BE describe one or more FOREST COVER ARCHIVE GEOMETRY
MAY BE describes one or more FOREST COVER GEOMETRY
MAY BE describes one or more OPENING GEOMETRY
MAY BE describes one or more RESULTS AUDIT GEOMETRY
MAY BE describes one or more STOCKING STANDARD AMD GEOMETRY
MAY BE describes one or more STOCKING STANDARD GEOM ARCHIVE
MAY BE describes one or more STOCKING STANDARD GEOMETRY

* = *Relationships in primary unique identifier.*

Unique Identifiers:

DSC	<i>Primary</i>	Y
DATA SOURCE CODE		

DC

DC_PK	Primary	Y
DISTURBANCE CODE		

Entity Name: DISTURBANCE RSLT		<i>Short Name:</i>	DR
<i>Plural:</i>	DISTURBANCE RSLT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>
<i>Subtype of:</i>	ACTIVITY TREATMENT UNIT		

Description:

Collects planned and actual information about a disturbance activity performed on an Activity Treatment Unit.
May be for Harvest, wild fire, etc.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
DISTURBANCE COMPLETED IND		Y	VARCHAR2	1
A Yes/No indicator identifying if the harvest was completed on the cut block.				
2003/01/10 HS: Changed the name from HARVEST COMPLETED IND to DISTURBANCE COMPLETED IND for consistency purposes.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MAY BE associated with one and only one CUT BLOCK OPEN ADMIN
 - MAY BE References a Disturbance one and only one DISTURBANCE CODE
 - MAY BE References a Silv Cut Phase one and only one SILV CUT PHASE CODE
 - MAY BE described by one and only one SILV SYSTEM CODE
 - MAY BE References a Silv System Var one and only one SILV SYSTEM VARIANT CODE
- * = Relationships in primary unique identifier.

Notes:

2002/10/31 LAS: Renamed from Harvest Rslt as per Data Model Review.

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

Description:

The unique key assigned to a Feature Class by the Ministry of Forests.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FEATURE CLASS SKEY		N	NUMBER	10,0
Unique identifier of the feature class.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more ACTIVITY TREATMENT UNIT GEOMETRY

MAY BE describes one or more FOREST COVER ARCHIVE GEOMETRY

MAY BE describes one or more FOREST COVER GEOMETRY

MAY BE describes one or more OPENING GEOMETRY

MAY BE describes one or more RESULTS AUDIT GEOMETRY

MAY BE describes one or more STOCKING STANDARD AMD GEOMETRY

MAY BE describes one or more STOCKING STANDARD GEOM ARCHIVE

MAY BE describes one or more STOCKING STANDARD GEOMETRY

* = *Relationships in primary unique identifier.*

Unique Identifiers:

CORPFCC	<i>Primary</i>	Y
FEATURE CLASS SKEY		

FTCD_PK	Primary	Y
FILE TYPE CODE		

Entity Name: FOR CLIENT LINK

Short Name:

FCL

Plural: FOR CLIENT LINK

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The link from a file, cutting permit or cut block to a client and his location.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOR CLIENT LINK SKEY		N	NUMBER	10
Sequentially generated primary key				
LICENSEE START DT		N	DATE	
The date the licensee started being a client.				
LICENSEE END DATE		N	DATE	
The date the licensee stopped being a client				
REVISION COUNT		N	NUMBER	5,0
A count of the number of times an entry in the entity has been modified.				
Used to validate if the current information displayed on a user's web browser is the most current.				
ENTRY USERID		N	VARCHAR2	240
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
Timestamp when the event information was entered.				
UPDATE USERID		N	VARCHAR2	240
The unique id of the user who last modified this entry.				
UPDATE TIMESTAMP		N	DATE	
The date and time the entry was last modified.				
FILE CLIENT TYPE		N	VARCHAR2	1
Indicates the type of relationship the client has to the file.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MUST BE identifies one and only one CLIENT LOCATION

MUST BE the client connection for one and only one CUT BLOCK

* = Relationships in primary unique identifier.

Unique Identifiers:

FCL_PK

Primary Y

FOR CLIENT LINK SKEY

Entity Name: FOREST CLIENT			<i>Short Name:</i>	FC2
<i>Plural:</i>	FOREST CLIENT			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

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

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CLIENT NUMBER		N	VARCHAR2	8
Sequentially assigned number to identify a ministry client.				
CLIENT NAME		N	VARCHAR2	60
The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal surname if an Individual.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Is Known By one and only one CLIENT ACRONYM

MAY BE managing one or more CLIENT LOCATION

MAY BE awarded one or more SILVICULTURE PROJECT

MAY BE uses one or more STANDARDS REGIME CLIENT

* = Relationships in primary unique identifier.

Unique Identifiers:

FC2_PK	Primary	Y
CLIENT NUMBER		

Entity Name: FOREST COVER

Short Name:

FC

Plural: FOREST COVER

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Describes the opening's forest cover attributes stratified by Forest Cover Polygon which will satisfy Inventory Program requirements.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* FOREST COVER ID		N NUMBER	10,0
System generated value uniquely identifying the forest cover.			
SILV POLYGON NO		N VARCHAR2	30
An unique number identification derived from the IGDS which is assigned to each forest type island, standards unit, eco-strata or survey strata within the opening.			
<i>2002/12/20 DM Changed name from SILV POLYGON NO to SILV POLYGON STRATA NO</i>			
<i>2003/01/08 HS Changed name back to SILV POLYGON NO</i>			
<i>Feb 12 2003 wc Changed from Mandatory to Optional</i>			
<i>2004/03/10 R.A.Robb Changed maxlength from 4 to 30</i>			
SILV POLYGON AREA		N NUMBER	7,1
The total area occupied by each polygon number or stratified land type. The sum of all areas for a polygon(s) should not be greater than the area of the SU.			
SILV POLYGON NET AREA		N NUMBER	7,1
Net Area of the Polygon (i.e. SILV POLYGON AREA less non-mapped area (FOREST COVER NON MAPPED AREA))			
<i>2004-03-10 R.A.Robb Added</i>			
REENTRY YEAR		Y NUMBER	4,0
The time to the next harvest (i.e. the next harvest year).			
REFERENCE YEAR		N NUMBER	4,0
The year age and height measurements were recorded.			
SITE INDEX		Y NUMBER	5,0
The site index for the primary tree species in the previous stand (for the area under the prescription).			
<i>Feb 12 2003 wc Changed from Mandatory to Optional</i>			
ENTRY USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP		N DATE	
The date and time the information was entered.			
UPDATE USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP		N DATE	
The date and time of the last update.			
REVISION COUNT		N NUMBER	5,0
A counter identifying the number of times this record as been modified.			
Used in the web page access to determine if the record as been modified since the data was first retrieved.			
* = Attributes in primary unique identifier.			

Relationships:Each Occurrence Of This Entity:

MAY BE defines geometry for one and only one FOREST COVER GEOMETRY

MAY BE containing one or more FOREST COVER LAYER

MAY BE contains one or more FOREST COVER NON MAPPED AREAS

Entity Name:	FOREST COVER (cont'd)	Short Name:	FC
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MUST BE Describes one and only one OPENING
MAY BE submitted through one and only one RESULTS ELECTRONIC SUBMISSION
MAY BE having reserve type identified by one and only one SILV RESERVE CODE
MAY BE having reserve objective identified by one and only one SILV RESERVE OBJECTIVE CODE
MAY BE References a Site Class one and only one SITE CLASS CODE
MAY BE References a Site Index one and only one SITE INDEX SOURCE CODE
MAY BE References a one and only one STOCKING CLASS CODE
MAY BE Refers to one and only one STOCKING STANDARD UNIT
MAY BE Refers to one and only one STOCKING STANDARD UNIT
MAY BE References a Stocking Class one and only one STOCKING STATUS CODE
MAY BE References a Stocking Type one and only one STOCKING TYPE CODE
MAY BE References a Tree Cover Pattern one and only one TREE COVER PATTERN CODE
MAY BE References a one and only one TREE SPECIES CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

FC3_PK	Primary	Y
FOREST COVER ID		

Notes:

2002/12/27 HS: Change short name from FC3 to FC.
Removed SUBMISSION ID.
2003/01/10 HS: Dropped attribute LICENSEE POLYGON ID as SILV POLYGON NO serves the same purpose.
Feb 04 2003 wc Dropped MIN X MIN Y MAX X MAX Y
2004/03/10 R.A.Robb
Added SILV POLYGON NET AREA (SILV POLYGON AREA - SUM(FOREST COVER NON MAPPED AREA.NON MAPPED AREA))
Dropped SILV_POLYGON_SUFFIX (now stored in
FOREST_COVER_NON_MAPPED_AREA.NON_MAPPED_AREA_ID)
Increased SILV_POLYGON_NO from maxlength 4 to 30

Entity Name: FOREST COVER ARCHIVE

Short Name:

FCA

Plural: FOREST COVER ARCHIVE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Forest Cover Archive contains the exact information from the Forest Cover with each update.

Existing Forest cover entries are saved down to the Forest Cover Archive instead of being updated, thus maintaining a complete history of all changes.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST COVER ID		N	NUMBER	10,0
System generated value uniquely identifying the forest cover.				
* ARCHIVE DATE		N	DATE	
The date the forest cover entry was archived to this entity.				
SILV POLYGON NO		Y	VARCHAR2	30
An unique number identification derived from the IGDS which is assigned to each forest type island, standards unit, eco-strata or survey strata within the opening.				
2002/12/20 DM Changed name from SILV POLYGON NO to SILV POLYGON STRATA NO				
2003/01/08 HS Changed name back to SILV POLYGON NO				
Feb 12 2003 wc Changed from Mandatory to Optional				
2004/03/10 R.A.Robb Changed maxlength from 4 to 30				
SILV POLYGON AREA		N	NUMBER	7,1
The total area occupied by each polygon number or stratified land type. The sum of all areas for a polygon(s) should not be greater than the area of the SU.				
SILV POLYGON NET AREA		N	NUMBER	7,1
Net Area of the Polygon (i.e. SILV POLYGON AREA less non-mapped area (FOREST COVER NON MAPPED AREA))				
2004-03-10 R.A.Robb Added				
REENTRY YEAR		Y	NUMBER	4,0
The time to the next harvest (i.e. the next harvest year).				
REFERENCE YEAR		N	NUMBER	4,0
The year age and height measurements were recorded.				
Jan 17 2003 wc Changed length from 5 to 4				
SITE INDEX		Y	NUMBER	5,0
The site index for the primary tree species in the previous stand (for the area under the prescription).				
Feb 12 2003 wc Changed from Mandatory to Optional				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

Entity Name:	FOREST COVER ARCHIVE (cont'd)	<i>Short Name:</i>	FCA
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MAY BE spatially described by one and only one FOREST COVER ARCHIVE GEOMETRY
MAY BE consisting of one or more FOREST COVER LAYER ARCHIVE
MAY BE contains one or more FOREST COVER NON MAPPED ARCS
MAY BE submitted through one and only one RESULTS ELECTRONIC SUBMISSION
MAY BE having identified by one and only one SILV RESERVE CODE
MAY BE having identified by one and only one SILV RESERVE OBJECTIVE CODE
MAY BE References a Site Class one and only one SITE CLASS CODE
MAY BE References a Site Index Source one and only one SITE INDEX SOURCE CODE
MAY BE References a one and only one STOCKING CLASS CODE
MAY BE References a Stocking Status one and only one STOCKING STATUS CODE
MAY BE References a Stocking Type one and only one STOCKING TYPE CODE
MAY BE References a Tree Cover Pattern one and only one TREE COVER PATTERN CODE
MAY BE References a one and only one TREE SPECIES CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

FCA	Primary	Y
FOREST COVER ID		
ARCHIVE DATE		

Notes:

2003/01/10 HS: Dropped attribute LICENSEE POLYGON ID as SILV POLYGON NO serves the same purpose.
Feb 04 2003 wc Dropped MIN X MIN Y MAX X MAX Y
2004/03/10 R.A.Robb
Added SILV POLYGON NET AREA (SILV POLYGON AREA - SUM(FOREST COVER NON MAPPED AREA.NON MAPPED AREA))
Dropped SILV_POLYGON_SUFFIX (now stored in
FOREST_COVER_NON_MAPPED_ARC.NON_MAPPED_AREA_ID)
Increased SILV_POLYGON_NO from maxlength 4 to 30
2005/01/10 R.A.Robb
Removed FK to STOCKING STANDARD UNIT, OPENING

Entity Name: FOREST COVER ARCHIVE GEOMETRY**Short Name:**

FCAG

Plural: FOREST COVER ARCHIVE GEOMETRY**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

The spatial polygon component for Forest Covers which has been modified.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
GEOMETRY	MOF GEOMETRY	N	IMAGE	
Spatial coordinate representation of the polygon related to the Forest Cover.				
FEATURE AREA	MOF FEATURE AREA	N	NUMBER	11,4
The area of the polygon pertaining to the Forest Cover measured in hectares.				
FEATURE PERIMETER	MOF FEATURE PERIMETER	N	NUMBER	11,4
The perimeter of the polygon pertaining to the Forest Cover measured in metres.				
OBSERVATION DATE		Y	DATE	
Captures the date of observation for the given feature image.				
DATA QUALITY COMMENT		Y	VARCHAR2	255
Allows users to specify comments regarding the accuracy and general quality of the given feature's data.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE described by one and only one CORP CAPTURE METHOD

MAY BE described by one and only one DATA SOURCE CODE

MUST BE described by one and only one FEATURE CLASS

* MUST BE spatially describes one and only one FOREST COVER ARCHIVE

* = Relationships in primary unique identifier.

Unique Identifiers:

FCAG

Primary Y

MUST BE spatially describes one and only one FOREST COVER ARCHIVE

Entity Name: FOREST COVER GEOMETRY			Short Name:	FCG
Plural:	FOREST COVER GEOMETRY			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The spatial polygon component for the Forest Cover.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
GEOMETRY	MOF GEOMETRY	N	IMAGE	
Spatial coordinate representation of the polygon related to the Forest Cover.				
FEATURE AREA	MOF FEATURE AREA	N	NUMBER	11,4
The area of the polygon pertaining to the Forest Cover measured in square metres.				
FEATURE PERIMETER	MOF FEATURE PERIMETER	N	NUMBER	11,4
The perimeter of the polygon pertaining to the Forest Cover measured in metres.				
OBSERVATION DATE		Y	DATE	
Captures the date of observation for the given feature image.				
DATA QUALITY COMMENT		Y	VARCHAR2	255
Allows users to specify comments regarding the accuracy and general quality of the given feature's data.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE described by one and only one CORP CAPTURE METHOD
- MAY BE described by one and only one DATA SOURCE CODE
- MUST BE described by one and only one FEATURE CLASS

* MUST BE geometry defined by one and only one FOREST COVER

* = Relationships in primary unique identifier.

Unique Identifiers:

- FCGPrimary Y
- MUST BE geometry defined by one and only one FOREST COVER

Entity Name: FOREST COVER LAYER

Short Name:

FCLR

Plural: FOREST COVER LAYER

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The various levels of growth within the forest cover. Typically defined in four layers.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST COVER LAYER ID		N	NUMBER	10,0
System generated value uniquely identifying the forest cover layer.				
2003/01/10 HS: Tony Dellaviola requested a unique identifier as the LAYER CODE can change.				
TOTAL STEMS PER HA		Y	NUMBER	10,0
The total stems counted per hectare.				
2002/12/20 DM Changed name from TOTAL STEMS PER HA to DENSITY				
2003/01/08 HS Changed name back to TOTAL STEMS PER HA				
2003/01/10 HS: Changed optional from NO to YES				
TOTAL WELL SPACED STEMS PER HA		Y	NUMBER	10,0
A new business rule around maximum cap on well spaced stems.				
2002/12/20 DM Changed name from TOTAL WS STEMS HA to TOTAL WELL SPACED STEMS PER HA				
2003/01/10 HS: Changed optional from NO to YES				
WELL SPACED STEMS PER HA		Y	NUMBER	10,0
The total well spaced stems per hectare.				
2002/12/20 DM Changed name from WS STEMS PER HA to WELL SPACED STEMS PER HA				
2003/01/10 HS: Changed optional from NO to YES				
FREE GROWING STEMS PER HA		Y	NUMBER	10,0
The total free growing stems per hectare.				
2002/12/20 DM Changed name from FG STEMS PER HA to FREE GROWING STEMS PER HA				
2003/01/10 HS: Changed optional from NO to YES				
CROWN CLOSURE PCT		Y	NUMBER	3,0
The percentage of ground area covered by vertically projected tree crown areas.				
2003/01/10 HS: Changed optional from NO to YES				
BASAL AREA		Y	NUMBER	5,0
For inventory label, this field refers to all total stem above 12.5 cm DBH. For silviculture label, this field refers to basal area for well spaced preferred and acceptable stems above 12.5 cm DBH.				
2003/01/10 HS: Changed optional from NO to YES				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

Entity Name:	FOREST COVER LAYER (cont'd)	<i>Short Name:</i>	FCLR
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- * MUST BE defining one and only one FOREST COVER
- MUST BE having forest cover layer identified by one and only one FOREST COVER LAYER CODE
- MAY BE comprised of one or more FOREST COVER LAYER SPECIES
- MAY BE comprised of one or more FORHEALTH RSLT
- MAY BE References a Stocking Status one and only one STOCKING STATUS CODE
- MAY BE References a Stocking Type one and only one STOCKING TYPE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

FCLR	Primary	Y
MUST BE defining one and only one FOREST COVER		
FOREST COVER LAYER ID		

Notes:

2003/01/10 HS: Dropped FREE GROW IND

Entity Name: FOREST COVER LAYER ARCHIVE

Short Name:

FCLA

Plural: FOREST COVER LAYER ARCHIVE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The various levels of growth within the forest cover. Typically defined in four layers.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST COVER LAYER ID		N	NUMBER	10,0
System generated value uniquely identifying the forest cover layer.				
2003/01/10 HS: Tony Dellaviola requested a unique identifier as the LAYER CODE can change.				
TOTAL STEMS PER HA		Y	NUMBER	10,0
The total stems counted per hectare.				
2002/12/20 DM Changed name from TOTAL STEMS PER HA to DENSITY				
2003/01/08 HS Changed name back to TOTAL STEMS PER HA				
TOTAL WELL SPACED STEMS PER HA		Y	NUMBER	10,0
A new business rule around maximum cap on well spaced stems.				
2002/12/20 DM Changed name from TOTAL WS STEMS HA to TOTAL WELL SPACED STEMS PER HA				
WELL SPACED STEMS PER HA		Y	NUMBER	10,0
The total well spaced stems per hectare.				
2002/12/20 DM Changed name from WS STEMS PER HA to WELL SPACED STEMS PER HA				
FREE GROWING STEMS PER HA		Y	NUMBER	10,0
The total free growing stems per hectare.				
2002/12/20 DM Changed name from FG STEMS PER HA to FREE GROWING STEMS PER HA				
CROWN CLOSURE PCT		Y	NUMBER	3,0
The percentage of ground area covered by vertically projected tree crown areas.				
Jan 17 2003 Changed length from 5 to 3				
BASAL AREA		Y	NUMBER	5,0
For inventory label, this field refers to all total stem above 12.5 cm DBH. For silviculture label, this field refers to basal area for well spaced preferred and acceptable stems above 12.5 cm DBH.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE defining layers of one and only one FOREST COVER ARCHIVE
- MUST BE References a For Cover Layer one and only one FOREST COVER LAYER CODE
- MAY BE consist of one or more FOREST COVER LAYER SPECIES ARCHIVE
- MAY BE has health result identified by one or more FORHEALTH RSLT ARCHIVE

Entity Name:	FOREST COVER LAYER ARCHIVE (cont'd)	<i>Short Name:</i>	FCLA
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MAY BE References a Stocking Status one and only one STOCKING STATUS CODE

MAY BE References a Stocking Type one and only one STOCKING TYPE CODE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

FCLA	Primary	Y
<i>MUST BE defining layers of one and only one FOREST COVER ARCHIVE</i>		
<i>FOREST COVER LAYER ID</i>		

Notes:

2003/01/10 HS: Dropped FREE GROW IND

Entity Name: FOREST COVER LAYER CODE		Short Name:	FCLC
Plural:	FOREST COVER LAYER CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

A code that uniquely identifies each layer, horizontal stratum, in a stand. Each layer is normally characterized as a distinct canopy containing a common forest cover structure with timber of similiar ages and heights.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST COVER LAYER CODE		N	VARCHAR2	2
A code that uniquely identifies each layer, horizontal stratum, in a stand. Each layer is normally characterized as a distinct canopy containing a common forest cover structure with timber of similiar ages and heights.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE indicates forest cover layer of one or more FOREST COVER LAYER
MAY BE Describes a For Cover Layer one or more FOREST COVER LAYER ARCHIVE
* = Relationships in primary unique identifier.

Unique Identifiers:

FCLC_PK	Primary	Y
FOREST COVER LAYER CODE		

Notes:

Jan 23 2003 wc Changed name from FOR COVER LAYER CODE to FOREST COVER LAYER CODE

Entity Name: FOREST COVER LAYER SPECIES

Short Name:

FCLS

Plural: FOREST COVER LAYER SPECIES

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The species of trees and vegetation contained within the FOREST COVER LAYER.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SPECIES ORDER		N	NUMBER	2,0
The order in which the species will be planted within the Forest Cover Layer				
<i>Jan 17 2003 wc Changed length from 5 to 2.</i>				
AVG AGE		Y	NUMBER	5,0
The average age of the tree species expressed in years.				
<i>2003/01/10 HS: Change the optional from NO to YES</i>				
AVG HEIGHT		Y	NUMBER	3,1
The average height expressed in metres.				
<i>2003/01/10 HS: Change the optional from NO to YES</i>				
TREE SPECIES PCT		Y	NUMBER	3,0
The percent of the total number of trees within the layer which the species comprises.				
<i>2003/01/10 HS: Change the optional from NO to YES and the size of this attribute from NUM 5 to NUM 3</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

- * MUST BE contained within one and only one FOREST COVER LAYER
- * MUST BE References a Tree Species one and only one TREE SPECIES CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

FCLS

Primary Y

*MUST BE contained within one and only one FOREST COVER LAYER**SPECIES ORDER**MUST BE References a Tree Species one and only one TREE SPECIES CODE*

Entity Name:	FOREST COVER LAYER SPECIES ARCHIV	Short Name:	FCLSA
Plural:	FOREST COVER LAYER SPECIES ARCHIVE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The species of trees and vegetation contained within the FOREST COVER LAYER.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SPECIES ORDER		N	NUMBER	2,0
The order in which the species will be planted within the Forest Cover Layer				
<i>Jan 17 2003 Changed the length from 5 to 2.</i>				
AVG AGE		Y	NUMBER	5,0
The average age of the tree species expressed in years.				
AVG HEIGHT		Y	NUMBER	3,1
The average height expressed in metres.				
TREE SPECIES PCT		Y	NUMBER	3,0
The percent of the total number of trees within the layer which the species comprises.				
<i>2003/01/10 HS: Change the size of this attribute from NUM 5 to NUM 3</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

- * MUST BE contained within one and only one FOREST COVER LAYER ARCHIVE
- * MUST BE References a Tree Species one and only one TREE SPECIES CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

FCLSA	Primary	Y
<i>MUST BE contained within one and only one FOREST COVER LAYER ARCHIVE</i>		
<i>SPECIES ORDER</i>		
<i>MUST BE References a Tree Species one and only one TREE SPECIES CODE</i>		

Entity Name: FOREST COVER MAP IMAGE			<i>Short Name:</i>	FCMI
<i>Plural:</i>	FOREST COVER MAP IMAGE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The various map images that are related to an opening.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST COVER MAP IMAGE ID		N	NUMBER	10,0
Unique identifier for the map image that is being stored.				
MAX X		Y	NUMBER	9,0
The maximum X coordinate for the polygon				
MAX Y		Y	NUMBER	9,0
The maximum Y coordinate for the polygon.				
MIN X		Y	NUMBER	9,0
The starting X point for the polygon.				
MIN Y		Y	NUMBER	9,0
The starting Y point for the polygon.				
XML RENDER COMPLETE IND		N	VARCHAR2	1
This attribute is used to identify the state of the generating the render image for the opening through the XML process.				
CURRENT IND		N	VARCHAR2	1
An indicator identifying if the map image data was current or not .				
REVISION COUNT		N	NUMBER	5
A count of the number of times an entry in the entity has been modified.				
Used to validate if the current information displayed on a user's web browser is the most current.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE mapped by one and only one FOREST COVER MAP IMAGE CONTENT

MUST BE belongs to one and only one OPENING LAND STATUS

* = Relationships in primary unique identifier.

Unique Identifiers:

FCMI PK	Primary	Y
FOREST COVER MAP IMAGE ID		

Entity Name:	FOREST COVER MAP IMAGE CONTENT	<i>Short Name:</i>	FCMIC
<i>Plural:</i>	FOREST COVER MAP IMAGE CONTENT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Supports map image of forest cover and archive .

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MAP IMAGE		N	IMAGE	
The actual map in a recognized format.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE maps one and only one FOREST COVER MAP IMAGE
- * = Relationships in primary unique identifier.

Unique Identifiers:

FCOIF PK	<i>Primary</i>	<i>Y</i>
MUST BE maps one and only one FOREST COVER MAP IMAGE		

Entity Name: FOREST COVER NON MAPPED ARC			Short Name:	FCNMA1
Plural:	FOREST COVER NON MAPPED ARCS			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Small Forest Cover non-productive areas, such as roads, which do not require spatial mapping and are not part of the Net Area to be Reforested.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* NON MAPPED AREA ID		N	NUMBER	10
Business key used to identify small NP areas that are not mapable.				
NON MAPPED AREA		N	NUMBER	7,1
Small non-productive area that will be subtracted from the Polygon gross area. This area is not mapped.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE defines one and only one FOREST COVER ARCHIVE

MUST BE is defined by one and only one STOCKING STATUS CODE

MAY BE is defined by one and only one STOCKING TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

FCNMA1	Primary	Y
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NON MAPPED AREA ID

MUST BE defines one and only one FOREST COVER ARCHIVE

Notes:

2004-03-10 R.A.Robb CR#46

New entity to archive non-mappable areas

Entity Name: FOREST COVER NON MAPPED AREA		Short Name:	FCNMA
Plural:	FOREST COVER NON MAPPED AREAS		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Small Forest Cover non-productive areas, such as roads, which do not require spatial mapping and are not part of the Net Area to be Reforested.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* NON MAPPED AREA ID		N	VARCHAR2	3
Business key used to identify small NP areas that are not mapable.				
NON MAPPED AREA		N	NUMBER	7,1
Small non-productive area that will be subtracted from the Polygon gross area. This area is not mapped.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE defines non mappable polygon area for one and only one FOREST COVER
- MUST BE is described by one and only one STOCKING STATUS CODE
- MAY BE is described by one and only one STOCKING TYPE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

FCNMA	Primary	Y
NON MAPPED AREA ID		
MUST BE defines non mappable polygon area for one and only one FOREST COVER		

Notes:

2004-03-10 R.A.Robb CR#46
New entity to replace suffixed polygons

Entity Name: FOREST MGMT UNIT			Short Name:	FMU
Plural:	FOREST MGMT UNIT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The administrative management unit as defined by the ministry for managing the forest land, eg. Timber Supply Area.

Attributes:

Name	Domain	Opt	Format	Length
* MGMT SKEY		N	NUMBER	10
System generated unique identifier				
MGMT UNIT ID		Y	VARCHAR2	4
The administrative management unit identifier defined by the ministry for managing the forest land, eg. 41C.				
DESCRIPTION		Y	VARCHAR2	100
Description of the Managment Unit Identifier. E.g. Dawson Creek TSA Block C.				
REVISION COUNT		N	NUMBER	5,0
A count of the number of times an entry in the entity has been modified.				
Used to validate if the current information displayed on a user's web browser is the most current.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual performing the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time on which the entry was created.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated this information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE describing a mgmt unit type for one and only one MGMT UNIT TYPE CODE

MAY BE identifies administrative boundary fo one or more PROV FOREST USE

* = Relationships in primary unique identifier.

Unique Identifiers:

FMU_PK	Primary	Y
MGMT SKEY		

Entity Name: FORHEALTH RSLT			Short Name:	FR
Plural:	FORHEALTH RSLT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
A table which stores the forest health survey results.

Attributes:		<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
*	FORHEALTH RSLT ID			N NUMBER	10,0
	System generated value uniquely identifying the forest health damage agent occurrence.				
	Jan 22 2003 wc Change name from FORHEALTH ID to FORHEALTH RSLT ID				
	INCIDENCE PCT			Y NUMBER	3,0
	The percentage of the Standards Unit or Opening that the agent is affecting as defined by the survey strata.				
	2003/01/10 HS: Change the characteristic from NUM 5 to NUM 3.				
	INCIDENCE AREA			Y NUMBER	6,1
	The area in hectares of the region involved.				
	Mar 11, 2003 wc Changed from number 5 to 6,1.				
	OBSERVATION DATE			Y DATE	
	The date this observation was made.				
	2003/01/10 HS: Change the name from OBJECTIVE DATE to OBSERVATION DATE. Change the description to align to the OBSERVATION DATE.				
	ENTRY USERID			N VARCHAR2	30
	The USERID of the individual who entered the information.				
	ENTRY TIMESTAMP			N DATE	
		The date and time the information was entered.			
	UPDATE USERID			N VARCHAR2	30
	The USERID of the individual who last updated the information.				
	UPDATE TIMESTAMP			N DATE	
	The date and time of the last update.				
	REVISION COUNT			N NUMBER	5,0
	Internal counter used by the system to avoid conflicting updates to the record.				
	* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE contained within one and only one FOREST COVER LAYER
or MAY BE Identified for one and only one OPENING
MUST BE References a Damage Agent one and only one SILV DAMAGE AGENT CODE
* = Relationships in primary unique identifier.

Unique Identifiers:
FR_PK Primary Y
FORHEALTH RSLT ID

Notes:
2003/01/10 HS: Dropped relationship to SU STOCKING STANDARD.
Added ARC relationship to OPENING.

Entity Name: FORHEALTH RSLT ARCHIVE

Short Name:

FRA

Plural: FORHEALTH RSLT ARCHIVE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

A table which stores the archive of forest health survey results.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FORHEALTH RSLT ID		N	NUMBER	10,0
System generated value uniquely identifying the forest health damage agent occurrence.				
<i>Jan 22 2003 wc Change name from FORHEALTH ID to FORHEALTH RSLT ID</i>				
INCIDENCE AREA		Y	NUMBER	6,1
The area in hectares of the region involved.				
<i>Mar 11, 2003 wc Changed from number 5 to 6,1.</i>				
INCIDENCE PCT		Y	NUMBER	3,0
The percentage of the Standards Unit or Opening that the agent is affecting as defined by the survey strata.				
<i>2003/01/10 HS: Change the characteristic from NUM 5 to NUM 3.</i>				
OBSERVATION DATE		Y	DATE	
The date this observation was made.				
<i>2003/01/10 HS: Change the name from OBJECTIVE DATE to OBSERVATION DATE.</i>				
<i>Change the description to align to the OBSERVATION DATE.</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
<i>2003 Mar 13 wc Corrected spelling error changed from UDPATE_TIMESTAMP to UPDATE_TIMESTAMP.</i>				
REVISION COUNT		N	NUMBER	5,0
Internal counter used by the system to avoid conflicting updates to the record.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MAY BE identifies health for one and only one FOREST COVER LAYER ARCHIVE

or MAY BE Identified for one and only one OPENING

MUST BE References a Damage Agent one and only one SILV DAMAGE AGENT CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

FR_PK Primary Y

FORHEALTH RSLT ID

Entity Name: HDBS TREE SPECIES			<i>Short Name:</i>	HTS
<i>Plural:</i>	HDBS TREE SPECIES			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

This entity will become a code subset or already is one from the VM system.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HDBS TREE SPECIES		N	VARCHAR2	2
A unique code identifying the tree species used by the HDBS application.				
DESCRIPTION		N	VARCHAR2	120
The full description of the tree species.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies one or more RESULTS SCALE SPECIES GRP XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

HSC	<i>Primary</i>	Y
HDBS TREE SPECIES		

Entity Name:	HEIGHT CLASS CODE	<i>Short Name:</i>	HCC
<i>Plural:</i>	HEIGHT CLASS CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The height clan code (or the primary tree species in the previous stand (for the area under the prescription).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HEIGHT CLASS CODE		N	VARCHAR2	1
The height clan code (or the primary tree species in the previous stand (for the area under the prescription).				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a Height Class one or more OPENING

* = Relationships in primary unique identifier.

Unique Identifiers:

PHCC_PK	Primary	Y
HEIGHT CLASS CODE		

Entity Name: JUVENILE SPACING RSLT			<i>Short Name:</i>	ATUJSR
<i>Plural:</i>	JUVENILE SPACING RSLT			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	
<i>Subtype of:</i>	ACTIVITY TREATMENT UNIT			

Description:

Collects planned and actual information about a Juvenine Spacing activity performed on an Activity Treatment Unit

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
INTER TREE MIN DISTANCE		Y	NUMBER	3,1
The minimum allowable horizontal distance between trees of the preferred and acceptable species required for the trees to be considered well-spaced.				
INTER TREE TARGET DISTANCE		Y	NUMBER	3,1
The target allowable distance between trees to be left after spacing, in metres.				
INTER TREE VARIATION		Y	NUMBER	3,1
The amount to which the distance between trees after spacing may vary from the target distance				
MAX TREES PER PLOT		Y	NUMBER	2,0
The maximum number of trees expected to be found in a post-spacing survey plot				
MAX TREES PER HA		Y	NUMBER	4,0
The maximum allowable number of trees per hectare.				
* = <i>Attributes in primary unique identifier.</i>				

Notes:

2006-02-08 R.A.Robb (Rls 3.0)
- added

MUTC

Init. Volume: Avg. Volume:

Annual Growth Rate:

Describes the MGMT UNIT TYPE CODE

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MGMT UNIT TYPE CODE		N	VARCHAR2	1
Describes the type of MGMT UNIT TYPE				
DESCRIPTION		N	VARCHAR2	120
Description of the code value				
EFFECTIVE DATE		N	DATE	
Date the code becomes effective				
EXPIRY DATE		N	DATE	
Date the code expires				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				

* = Attributes in primary unique identifier.

Each Occurrence Of This Entity:

MAY BE described by one or more FOREST MGMT UNIT

* = Relationships in primary unique identifier.

MUTC_PK	Primary	Y
MGMT UNIT TYPE CODE		

Entity Name:	MIME TYPE CODE	<i>Short Name:</i>	MTC
<i>Plural:</i>	MIME TYPE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Multipurpose Internet Mail Extension (MIME) type is the method used by Web browsers to associate files of a certain type with helper applications that display files of that type.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MIME TYPE CODE		N	VARCHAR2	3
Multipurpose Internet Mail Extension (MIME) type is the method used by Web browsers to associate files of a certain type with helper applications that display files of that type.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MAY BE describes content of one or more OPENING ATTACHMENT
 - MAY BE describes content of one or more RESULTS FRPA ATTACHMENT
 - MAY BE describes content of one or more STANDARDS REGIME ATTACHMENT
- * = Relationships in primary unique identifier.

Unique Identifiers:

MTC	Primary	Y
MIME TYPE CODE		

Entity Name: MOF USER ORG DEFAULT**Short Name:**

MUOD

Plural: MOF USER ORG DEFAULT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Entity that identifies what organization unit (e.g. headquarters, region, district) to use as the default in a system application for a specific user.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* APPLICATION ACRONYM		N VARCHAR2	30
An acronym that describes the system application (e.g. RESULTS, FTA, ECAS).			
* USER ID		N VARCHAR2	30
A unique identifier used to indicate who the signed on user is.			
ORG UNIT NO		N NUMBER	10,0
Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".			
ENTRY USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP		N DATE	
The date and time the information was entered.			
UPDATE USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP		N DATE	
The date and time of the last update.			
REVISION COUNT		N NUMBER	5,0
Internal counter used by the system to avoid conflicting updates to the record.			
* = Attributes in primary unique identifier.			

Unique Identifiers:

MUOD_UK	Primary	N
APPLICATION ACRONYM		
USER ID		
ORG UNIT NO		
MUOD_PK	Primary	Y
APPLICATION ACRONYM		
USER ID		

Notes:

2003/05/24 HS - Added this entity

Entity Name: OPEN CATEGORY CODE			Short Name:	OCC
Plural:	OPEN CATEGORY CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

A code used to describe the category for the opening. The opening categories reference the governing applicable legislation and are determined by responsibility, opening origin, tenure type and prescription type.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPEN CATEGORY CODE		N	VARCHAR2	7
A code used to describe the category for the opening. The opening categories reference the governing applicable legislation and are determined by responsibility, opening origin, tenure type and prescription type.				
2003/01/28 HS: Changed the size of OPEN CATEGORY CODE from 7 to 6				
Feb 04 2003 wc Changed the size of OPEN CATEGORY CODE from 6 to7				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE defines category for one or more OPEN CATEGORY REPT AREA XREF

MAY BE identifies availabilty to view one or more OPEN VIEWABLE CATEGORY

MAY BE Describes an Open Category one or more OPENING

MAY BE identifies one or more OPENING SPATIAL REQUIREMENTS

MAY BE identifies one or more RESULTS OPEN CTGRY MLSTNE XRF

* = Relationships in primary unique identifier.

Unique Identifiers:

OCC_PK	Primary	Y
OPEN CATEGORY CODE		

Entity Name: OPEN CATEGORY REPT AREA XREF			Short Name:	OCRAX
Plural:	OPEN CATEGORY REPT AREA XREF			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

A cross-reference entity showing the valid combinations of OPEN_CATEGORY_CODE and OPEN_CATEGORY_REPT_GROUP_CODE.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DISTRIBUTION START DATE IND		N	VARCHAR2	1
An indicator to show if the Distribuion Start Date exists. Either Y for Distribution Start Date exists or N if it does not.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE category defined by one and only one OPEN CATEGORY CODE
- * MUST BE contains valid grouping from one and only one OPEN CATEGORY REPT GROUP CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

OCRAX	Primary	Y
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MUST BE category defined by one and only one OPEN CATEGORY CODE

MUST BE contains valid grouping from one and only one OPEN CATEGORY REPT GROUP CODE

DISTRIBUTION START DATE IND

Entity Name: OPEN CATEGORY REPT GROUP CODE**Short Name:**

OCRGC

Plural: OPEN CATEGORY REPT GROUP CODE**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Identifies a grouping of Opening Category codes for crown land Not Satisfactorily Restocked reporting. E.g. PRE1982 for Ministry of Forests pre 1982 NSR.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPEN CATEGORY REPT GROUP CODE		N	VARCHAR2	20
A code used to Group the opening category for reporting purposes. E.g. PRE1982 for Ministry of Forests pre 1982 NSR or POST1987LICENSEE identifying Opening Category data for Major Licensee Openings Post October 1, 1987.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MAY BE identifies report grouping for one or more OPEN CATEGORY REPT AREA XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

OCRGC Primary Y

OPEN CATEGORY REPT GROUP CODE

Entity Name: OPEN CATEGORY SITE PLAN CODE		<i>Short Name:</i>	OCSPC
<i>Plural:</i>	OPEN CATEGORY SITE PLAN CODES		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Used for validation purposes only. These are Categories fo Openings that require site plan validations.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPEN CATEGORY SITE PLAN CODE		N	VARCHAR2	7
List of category codes for the opening that must have tenure information provided when providing opening information.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

OCSPC_PK	Primary	Y
OPEN CATEGORY SITE PLAN CODE		

Entity Name: OPEN VIEWABLE CATEGORY			Short Name:	OVC
Plural:	OPEN VIEWABLE CATEGORY			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

OPEN_VIEWABLE_CATEGORY identifies the open categories that can be accessed by all licensees using the application. The system must use this stored information as a means to allow access for all users to openings that have an opening category with this designation enabled or openings in a Free Growing status. All other opening categories will continue to be restricted based on the current business rules.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
VIEWABLE IND		N	VARCHAR2	1
Indicates whether the category is viewable for all users in RESULTS. Allowable values are "Y" and "N".				
Allowable Values of Attribute				
Y				
N				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is identified by one and only one OPEN CATEGORY CODE
- MAY BE can be identified by one and only one OPENING STATUS CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

OVC	Primary	Y
MUST BE is identified by one and only one OPEN CATEGORY CODE		

Entity Name: OPENING

Short Name:

O

Plural: OPENING

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

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

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING ID		N	NUMBER	10,0
System generated value uniquely identifying the opening.				
MAPSHEET GRID		Y	VARCHAR2	3
NTG or BCGS grid. Values are 82, 83, 92, 93, 94, 95, 102, 103,104, 114.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET LETTER		Y	VARCHAR2	1
BCGS/NTG letter. Values are A - P, and W.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET SQUARE		Y	VARCHAR2	3
BCGS NUMBER or NTG NUMBER and LETTER. BCGS NUMBER values are 1-100, and NTG NUMBER values are 1-16 with NTG LETTER values A - H, and W.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET QUAD		Y	VARCHAR2	1
Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET SUB QUAD		Y	VARCHAR2	1
Sub-Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.				
2003/01/10 HS: Changed optional from NO to YES				
OPENING NUMBER		Y	VARCHAR2	4
An unique identifier up to four characters long that describes the opening on a specified mapsheet.				
2003/01/10 HS: Changed optional from NO to YES				
LICENSEE OPENING ID		Y	VARCHAR2	30
A unique identifier provided by the Licensee to identify the Opening Number.				
OPENING LOCN NAME		Y	VARCHAR2	30
A descriptive name of the geographic location of the opening.				
2003/01/10 HS: Changed optional from NO to YES				
PREV SITE INDEX		Y	NUMBER	5,0
The site index for the primary tree species in the previous stand (for the area under the prescription).				
2003/01/10 HS: Changed optional from NO to YES				
MAX ALLOW PERMNT ACCESS PCT		Y	NUMBER	3,1
Maximum percentage of the Total Area Under the Prescription that may be occupied by permanent access structures, including roads, landings, gravel pits, borrow pits or other.				
2003/01/10 HS: Changed optional from NO to YES				
Jan 17 2003 wc Changed the length from 4 to 3.				
Jan 23 2003 wc Changed name from PERMNT ACCESS PCT to MAX ALLOW PERMNT ACCESS PCT				
APP ENT BY USERID		Y	VARCHAR2	30
The userid of the individual who entered the prescription information.				
2003/01/10 HS: Changed optional from NO to YES				
APPROVE DATE		Y	DATE	
The date on which the prescription was approved.				
2003/01/10 HS: Changed optional from NO to YES				

Entity Name: OPENING (cont'd)	Short Name:	O
AMENDMENT IND	Y VARCHAR2	1
A Y/N indicator, indicating if the prescription has been amended.		
2003/01/10 HS: Changed optional from NO to YES		
SUBMITTED BY USERID	Y VARCHAR2	30
The USERID of the person who submitted the opening.		
2006-01-12 R.A.Robb (Rls 3.0)		
- added attribute		
SUBMITTED DATE	Y DATE	
The date and time the opening was submitted.		
2006-01-12 R.A.Robb (Rls 3.0)		
- added attribute		
ENTRY USERID	N VARCHAR2	30
The USERID of the individual who entered the information.		
ENTRY TIMESTAMP	N DATE	
The date and time the information was entered.		
UPDATE USERID	N VARCHAR2	30
The USERID of the individual who last updated the information.		
UPDATE TIMESTAMP	N DATE	
The date and time of the last update.		
REVISION COUNT	N NUMBER	5,0
A counter identifying the number of times this record as been modified.		
Used in the web page access to determine if the record as been modified since the data was first retrieved.		

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE having activity performed by one or more ACTIVITY TREATMENT UNIT
MAY BE References an Age Class one and only one AGE CLASS CODE
MAY BE amalgamated by one or more AMALGAMATED OPENING
MAY BE Contains one or more CUT BLOCK OPEN ADMIN
MAY BE comprised of one or more FOREST COVER
MAY BE damage records one or more FORHEALTH RSLT
MAY BE damage records one or more FORHEALTH RSLT ARCHIVE
MAY BE References a Prev Height Class one and only one HEIGHT CLASS CODE
MUST BE References an Open Category one and only one OPEN CATEGORY CODE
MAY BE created for one and only one OPENING AMALGAMATION
MAY BE Is Amended one or more OPENING AMENDMENT HISTORY
MAY BE documented by one or more OPENING ATTACHMENT
MAY BE Is Constrained By one or more OPENING COMMENT LINK
MAY BE spatially described by one and only one OPENING GEOMETRY
MAY BE Is Described By one or more OPENING LAND STATUS
MAY BE represented by one or more OPENING MAP IMAGE
MUST BE References a Prescription Sts one and only one OPENING STATUS CODE
MUST BE References an Admin District in one and only one ORG UNIT
MUST BE Resides Within one and only one ORG UNIT
MAY BE result of one and only one RESULTS ELECTRONIC SUBMISSION
MAY BE classified within one and only one SILV ADMIN ZONE
MAY BE References a Site Class one and only one SITE CLASS CODE
MAY BE References a one and only one SITE INDEX SOURCE CODE
MAY BE References a Prev Stock Class one and only one STOCKING CLASS CODE

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

O

MAY BE has ecological area Described By one and only one STOCKING ECOLOGY
 MAY BE current amendment described by one and only one STOCKING ECOLOGY AMD
 MAY BE is referenced by one or more STOCKING EVENT HISTORY
 MAY BE Consists of one or more STOCKING LAYER
 MAY BE current amendment consists of one or more STOCKING LAYER AMD
 MAY BE Is Defined by one or more STOCKING STANDARD UNIT
 MAY BE Is Defined by one or more STOCKING STANDARD UNIT
 MAY BE current amendment defined by one or more STOCKING STANDARD UNIT AMD
 MAY BE References a Prev Ident Type one and only one STOCKING STATUS CODE
 MAY BE References a Tree Species 1 one and only one TREE SPECIES CODE
 MAY BE References a Tree Species 2 one and only one TREE SPECIES CODE
 MAY BE References a TSB Number one and only one TSB NUMBER CODE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

OPENING_PK

Primary Y*OPENING ID***Notes:**

2002/10/21 LAS: Created by merging Opening and Prescription together as per Tony D. instructions.

2002/12/19 HS: Removed relationship to ORG UNIT for ADMIN REGION as having the district is sufficient to derive the region. Deletion occurred on the request of Bruce Bell.

2002/12/24 HS: Removed SUBMISSION ID as EDT FILE REFERENCE will hold this information.

2003/01/10 HS: Dropped relationship to SILV FUND SRCE CODE.

Jan 27 2003 wc Removed the following attributes REGEN DELAY OFFSE, REGEN DELAY DATE, REGEN IND, REGEN DATE, REGEN USERID, EARLY FG OFFSET, EARLY FG DATE, LATE FG OFFSET, LATE FG DATE, FREE GROW IND, FREE GROW DATE, FREE GROW USERID

2003/01/29 HS: Deleted COMPLIANCE DATE IND as being replaced with relationship to RESULTS COMPLIANCE DATE RULE

Feb 04 2003 wc Dropped MIN X MIN Y MAX X MAX Y & TSA NUMBER CODE

2006-01-12 R.A.Robb (Rls 3.0)

- added attributes SUBMITTED BY USERID, SUBMITTED DATE

Entity Name: OPENING AMALGAMATION*Short Name:*

OAM

Plural: OPENING AMALGAMATION*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Represents a submission for approval of a collection of Openings which have been selected for Amalgamation into a new Opening in order to ease management effort.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING AMALGAMATION ID		N	NUMBER	10
System generated value uniquely identifying the opening amalgamation.				
XML SUBMISSION IND		N	VARCHAR2	1
Indicates whether or not the amalgamation originated from an XML submission.				
SUBMITTED BY USERID		Y	VARCHAR2	30
The userid of the user who submitted the amalgamation for approval.				
SUBMITTED DATE		Y	DATE	
The date that the amalgamation was submitted for approval.				
APPROVED BY USERID		Y	VARCHAR2	30
The userid of the individual who approved the amalgamation.				
APPROVED DATE		Y	DATE	
The date that the amalgamation was approved.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE includes one or more AMALGAMATED OPENING

MUST BE creates one and only one OPENING

MAY BE reviews one and only one RESULTS INBOX PREVIEW

* = Relationships in primary unique identifier.

Unique Identifiers:

OAM

Primary Y

OPENING AMALGAMATION ID

Notes:

2005-07-01 R.A.Robb (RESULTS 2.0)

- added

2006-04-01 R.A.Robb (RESULTS 3.0)

- modified flattened structure to OPENING AMALGAMATION 1:M AMALGAMATED OPENING

Entity Name: OPENING AMENDMENT HISTORY

Short Name:

OAH

Plural: OPENING AMENDMENT HISTORY

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Shows history of amendments made to an opening. Keeps track of dates, times, user identification and user name.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING AMENDMENT NUMBER		N	NUMBER	5,0
A system generated value uniquely identifying an amendment.				
2003/01/28 HS: Changed AMENDMENT NUMBER to OPENING AMENDMENT NUMBER				
AMENDMENT USERID		N	VARCHAR2	30
The user ID of the person who initiates the amendment. Changes the status from APP to AMD.				
AMENDMENT DATE		N	DATE	
The date the amendment was first initiated.				
SUBMITTED BY USERID		Y	VARCHAR2	30
The USERID of the person who submitted the amendment.				
2003/01/10 HS: Changed from mandatory to optional as requested by Tony Dellaviola.				
Jan 21 2003 wc Changed name from APP ENT BY USERID				
SUBMITTED DATE		Y	DATE	
The date and time the amendment was submitted.				
2006-01-12 R.A.Robb (Rls 3.0)				
- added attribute				
APP ENT BY USERID		Y	VARCHAR2	30
The userid of the individual who entered the prescription information.				
Jan 24 2003 wc Created new attribute APP ENT BY USERID				
APPROVE DATE		Y	DATE	
The date that SP or amendment has been approved (or put into effect (for MoF SP's).				
2003/01/10 HS: Changed from mandatory to optional as requested by Tony Dellaviola.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
Internal counter used by the system to avoid conflicting updates to the record.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE Amend one and only one OPENING
- MAY BE reviews one and only one RESULTS INBOX PREVIEW
- MAY BE referenced by one or more SILV RELIEF APPLICATION
- MAY BE is referenced by one or more STOCKING EVENT HISTORY
- * = Relationships in primary unique identifier.

Unique Identifiers:

OAH_PK

Primary Y

Entity Name:	OPENING AMENDMENT HISTORY (cont'd)	<i>Short Name:</i>	OAH
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*MUST BE Amend one and only one OPENING
OPENING AMENDMENT NUMBER*

Notes:

Jan 23 2003 wc Changed name from AMENDMENT HISTORY to OPENING AMENDMENT HISTORY

2006-01-12 R.A.Robb (Rls 3.0)
- added attribute SUBMITTED DATE

Entity Name: OPENING ATTACHMENT**Short Name:** OPENATT**Plural:** OPENING ATTACHMENT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

A file attached to an Opening for purpose of clarification or exhibit.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING ATTACHMENT FILE ID		N	NUMBER	10
Uniquely identifies the attached file.				
ATTACHMENT NAME		N	VARCHAR2	50
File name, not including the path, of the attached file at the time it was uploaded.				
ATTACHMENT DESCRIPTION		Y	VARCHAR2	120
Short description of the contents of the file.				
ATTACHMENT DATA		N	IMAGE	
The attached file.				
ENTRY USERID		N	VARCHAR2	30
User who attached the file to the Opening.				
ENTRY TIMESTAMP		N	DATE	
Date and time that the file was attached to the Opening.				
UPDATE USERID		N	VARCHAR2	30
Userid of the user who last upated the attachment.				
UPDATE TIMESTAMP		N	DATE	
Date and time that the attachment was last updated.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE content described by one and only one MIME TYPE CODE

MUST BE documents one and only one OPENING

* = Relationships in primary unique identifier.

Unique Identifiers:

OPENATT Primary Y

OPENING ATTACHMENT FILE ID

Entity Name: OPENING COMMENT LINK		Short Name:	OCL
Plural:	OPENING COMMENT LINK		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Stores the opening surrogate key for a particular comment.

Attributes:

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

- Relationships:
- Each Occurrence Of This Entity:
- * MUST BE Comments one and only one OPENING
 - * MUST BE Links one and only one SILVICULTURE COMMENT
- * = Relationships in primary unique identifier.

Unique Identifiers:

OCL_PK	Primary	Y
MUST BE Comments one and only one OPENING		
MUST BE Links one and only one SILVICULTURE COMMENT		

Notes:

2002/12/27 HS: Delete OCL_UK to opening.

Entity Name: OPENING GEOMETRY			Short Name:	OG
Plural:	OPENING GEOMETRY			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The spatial representation for an opening, which is the administrative boundary of an area of land on which silviculture activities are planned and completed.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
GEOMETRY	MOF GEOMETRY	N	IMAGE	
Spatial coordinate representation of the polygon related to the Opening.				
FEATURE AREA	MOF FEATURE AREA	N	NUMBER	11,4
The area of the polygon pertaining to the Opening measured in square metres.				
FEATURE PERIMETER	MOF FEATURE PERIMETER	N	NUMBER	11,4
The perimeter of the polygon pertaining to the Opening measured in metres.				
OBSERVATION DATE		Y	DATE	
Captures the date of observation for the given feature image.				
DATA QUALITY COMMENT		Y	VARCHAR2	255
Allows users to specify comments regarding the accuracy and general quality of the given feature's data.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE described by one and only one CORP CAPTURE METHOD

MAY BE described by one and only one DATA SOURCE CODE

MUST BE described by one and only one FEATURE CLASS

* MUST BE spatially describes one and only one OPENING

* = Relationships in primary unique identifier.

Unique Identifiers:

OG	Primary	Y
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MUST BE spatially describes one and only one OPENING

Entity Name: OPENING LAND STATUS			Short Name:	OLS
Plural:	OPENING LAND STATUS			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Identifies the land status of the entire opening on a given date. These attributes are derived from the FOREST_COVER table.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING LAND STATUS DATE		N	DATE	
The date of the last status update.				
2003/01/28 HS: Changed LAND STATUS DATE to OPENING LAND STATUS DATE				
NP UNN AREA		N	NUMBER	7,1
The non-productive unnatural area, expressed in hectares.				
NP NAT AREA		N	NUMBER	7,1
The non-productive natural area, expressed in hectares.				
NP FOR AREA		N	NUMBER	7,1
The non-productive forested area, expressed in hectares.				
NSR NPL AREA		N	NUMBER	7,1
The not sufficiently restocked nonplantable area, expressed in hectares.				
NSR NAT AREA		N	NUMBER	7,1
The not sufficiently restocked natural area, expressed in hectares.				
NSR PL AREA		N	NUMBER	7,1
The not sufficiently restocked plantable area, expressed in hectares.				
SR ART AREA		N	NUMBER	7,1
The sufficiently restocked artificial area, expressed in hectares.				
SR NAT AREA		N	NUMBER	7,1
The sufficiently restocked natural area, expressed in hectares.				
MAT AREA		N	NUMBER	7,1
The mature natural and artificial area , expressed in hectares. The Mature area field was added to the database in July 2000. Prior to July 2000 all Mature area was stored in the SR Artificial and SR Natural Area.				
FG NORM AREA		Y	NUMBER	7,1
The free growing area, expressed in hectares, of all polygons that have the 'Free Growing' indicator set to 'Y'. is area is not double counted against the 'SR' total.				
Jan 21 2003 wc Changed from Mandatory to Optional				
NC BR AREA		N	NUMBER	7,1
The non-commerical brush area, expressed in hectares. Area > 4 hectares and Ministry's responsibility. Area has special significance in MLSIS and is not reflected in ISIS.				
REVISION COUNT		N	NUMBER	5,0
A counter used to ensure data integrity. This item should be incremented during each update.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
* = Attributes in primary unique identifier.				

OLS

* = Relationships in primary unique identifier.

OPENING LAND STATUS DATE

Jan 23 2003 wc Changed name from LAND STATUS to OPENING LAND STATUS

Entity Name: OPENING MAP IMAGE

Short Name:

OMI

Plural: OPENING MAP IMAGE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The various map images that are related to an opening.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING MAP IMAGE ID		N	NUMBER	10,0
Unique identifier for the map image that is being stored.				
<i>Jan 22 2003 wc Change name from IMAGE ID to OPENING MAP IMAGE ID</i>				
SPATIAL LOAD IND		N	VARCHAR2	1
An indicator identifying if the spatial data was loaded successfully or not into the spatial database at MSRM.				
<i>2003/03/20 HS</i>				
<i>Added this attribute to identify if the spatial data loaded successfully as part of the XML submission or not.</i>				
<i>Allowable Values of Attribute</i>				
P	Pending		P	
N	Spatial data load failed.		N	
Y	Spatial data loaded successfully		Y	
XML RENDER COMPLETE IND		N	VARCHAR2	240
This attribute is used to identify the state of the generating the render image for the opening through the XML process.				
<i>2003/07/24 HS - New attribute</i>				
<i>Allowable Values of Attribute</i>				
P	Pending		P	
Y	Yes			
N	No			
MAP IMAGE		Y	IMAGE	
The actual map in a recognized format.				
<i>2003/06/02 HS - Change optionality as the spatial data load may fail and thereby a map cannot be generated.</i>				
MAX_X		Y	NUMBER	9,0
The maximum X coordinate for the polygon				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
MAX_Y		Y	NUMBER	9,0
The maximum Y coordinate for the polygon.				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
MIN_X		Y	NUMBER	9,0
The starting X point for the polygon.				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
MIN_Y		Y	NUMBER	9,0
The starting Y coordinate for the polygon				
<i>Feb 04 2003 wc Changed size from 32 to 9</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	

Entity Name:	OPENING MAP IMAGE (cont'd)	<i>Short Name:</i>	OMI
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The date and time of the last update.

REVISION COUNT	N	NUMBER	5,0
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A counter identifying the number of times this record as been modified.
Used in the web page access to determine if the record as been modified since the data was first retrieved.

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

- MUST BE created for one and only one OPENING
 - MUST BE Describes an Image Type one and only one SILV IMAGE TYPE CODE
 - MUST BE identified by one and only one SILV MAP CATEGORY CODE
- * = Relationships in primary unique identifier.*

Unique Identifiers:

OMI_PK	Primary	Y
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OPENING MAP IMAGE ID

Entity Name: OPENING SPATIAL REQUIREMENT		<i>Short Name:</i>	OSR
<i>Plural:</i>	OPENING SPATIAL REQUIREMENTS		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Reference entity that denotes the date that spatial information becomes or became mandatory for a specific business area and Opening Category.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
BUSINESS AREA DESCRIPTION		N	VARCHAR2	30
The business area for which spatial information is required. Business areas are Opening, Silviculture and Forest Cover.				
SPATIAL REQUIRED DATE		N	DATE	
The date that spatial information becomes mandatory.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE references one and only one OPEN CATEGORY CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

OSR	<i>Primary</i>	Y
MUST BE references one and only one OPEN CATEGORY CODE		

Entity Name: OPENING STATUS CODE		<i>Short Name:</i>	OSC
<i>Plural:</i>	OPENING STATUS CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A code indicating the status of the opening. Examples include but are not limited to DFT (draft) and APP (approved).
A subset of the STATUS_CODE table.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING STATUS CODE		N	VARCHAR2	3
A code indicating the status of the prescription. Examples include but are not limited to DFT (draft) and APP (approved). A subset of the STATUS_CODE table. <i>Jan 22 2003 wc Changed attribute name from PRESCRIPTION STS CODE to OPENING STATUS CODE.</i>				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies one or more OPEN VIEWABLE CATEGORY
MAY BE Describes a Prescription Sts one or more OPENING
* = *Relationships in primary unique identifier.*

Unique Identifiers:

OSC_PK	Primary	Y
OPENING STATUS CODE		

Notes:

2003/01/10 HS: Changed the entity name from PRESCRIPTION STS CODE to OPENING STATUS CODE.

Entity Name: ORG UNIT*Short Name:*

OU

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

Records codes for ministry Organizational Units (offices), such as a Branch, Region, or District office. Codes are currently defined to the office, section/program, and subsection level.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG UNIT NO		N	NUMBER	10,0
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".				
ORG UNIT CODE		N	VARCHAR2	6
Identifies any office within the ministry. First character identifies Exec, HQ branch, Region, or District. Next two chars identify the office name; next two the section (HQ Branch) or program (Region or District); last char identifies the subsection.				
ORG UNIT NAME		N	VARCHAR2	100
The name or title of a ministry office or section; for example Kamloops Forest Region; Silviculture Branch; Kispiox Forest District Protection program.				
LOCATION CODE		N	VARCHAR2	3
Unique identifier for one of the office locations within the Ministry of Forests.				
AREA CODE		N	VARCHAR2	3
The 3 digit number that identifies each telephone service area in a country.				
TELEPHONE NO		N	VARCHAR2	7
The general office telephone number (excluding the area code) for a Ministry of Forests office.				
ORG LEVEL CODE		N	VARCHAR2	1
Represents the organizational level of the Ministry, and is one of: D - District Forestry Office, E - Executive, H - Headquarters Branch, R - Regional Forestry Office.				
OFFICE NAME CODE		N	VARCHAR2	2
Represents an office within a specific organizational level.				
ROLLUP REGION NO		N	NUMBER	10,0
Identifier designating the region to which the org unit is rolled into for reporting purposes. Values stored here are for the computers use only, and are not to be used by people as "Ministry Codes".				
ROLLUP REGION CODE		N	VARCHAR2	6
Identifier designating the region to which the org unit is rolled into for reporting purposes.				
ROLLUP DIST NO		N	NUMBER	10,0
Identifier designating the district to which the org unit is rolled into for reporting purposes. Values stored here are for the computers use only and are not to be used by people as "Ministry Codes".				
ROLLUP DIST CODE		N	VARCHAR2	6
Identifier designating the district to which the org unit is rolled into for reporting purposes.				
EFFECTIVE DATE		N	DATE	
The date the Organizational Unit became effective as a valid Org Unit within the ministry's organizational structure.				
EXPIRY DATE		N	DATE	
The date the Organizational Unit is Obsoleted and is no longer an active Org Unit within the ministry's organizational structure. At the determination of Human Resources Branch,				

Entity Name:	ORG UNIT (cont'd)	Short Name:	OU
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an expired Org Unit may be retained for historical purposed, or may be deleted.

UPDATE TIMESTAMPN DATE

The date and time of the last modification.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE Describes an Admin District for one or more ACTIVITY TREATMENT UNIT
- MAY BE Describes an Admin District for one or more OPENING
- MAY BE Is Geographic District for one or more OPENING
- MAY BE has options one or more RESULTS DISTRICT PROFILE
- MAY BE Associated to one or more RESULTS ELECTRONIC SUBMISSION
- MAY BE manages one or more SILV ACTIVITY SUMMARY
- MAY BE identified for one or more SILV ADMIN ZONE
- MAY BE responsible for one or more SILVICULTURE PROJECT
- MAY BE uses one or more STANDARDS REGIME ORG UNIT
- MAY BE originates one or more TREATMENT REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

OU_PK	Primary	Y
ORG UNIT NO		

Entity Name: PLANTING RSLT

Short Name:

PR

Plural: PLANTING RSLT

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Collects planned and actual information about a planting activity performed on an Activity Treatment Unit.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* RESULTS IND		N VARCHAR2	1
Indicates whether or not the planting information is planning information (N) or the result of actual planting performed.			
2006-02-17 R.A.Robb (Rls 3.0)			
- added for planning component			
* PLANT RSLT SEQ NO		N NUMBER	5,0
Internal processing variable used to maintain order of the plant stock allotments for a specific ATU.			
Jan 27 2003 wc Changed name from PLANT STCK SEQ NO to PLANT RSLT SEQ NO			
NUMBER PLANTED		Y NUMBER	10,0
The number of stems planted for each species within the ATU.			
2002/12/20 DM Changed name from PLANTED NUMBER to NUMBER PLANTED			
Jan 23 2003 wc Changed from Optional to Mandatory			
2003/01/27 HS: Changed back to optional as NUMBER PLANTED is not required in the following cases:			
- if the base code = PL, technique code = CG and method = BAGS			
- if the base code = PL and the method = LAYOUT			
- if the base code = PL, technique code = SE and method = VEXAR			
PLANTED NO BEYOND XFER LIMIT		Y NUMBER	10
The number of seedlings planted beyond currently published transfer limits.			
Introduced to support Compliance and Enforcement activities. See sections 8.8 and 8.9 of the Chief Forester's Standards for Seed Use (published June 2005) below:			
8.8 Despite this Part, a person, other than a timber sales manager, who is required to establish a stand under section 29 of the Act is only required to ensure that 95 per cent of the combined total of the number of seedlings and the number of cuttings that are planted during each fiscal year, by or on behalf of that person with respect to a specific agreement, comply with the requirements of sections 8.2 through 8.7.			
8.9 Despite this Part, a timber sales manager who is required to establish a stand under section 29 of the Act is only required to ensure that 95 per cent of the combined total of the number of seedlings and the number of cuttings that are planted during each fiscal year, by or on behalf of the timber sales manager,			
a) with respect to all timber sale licences located within a single management unit, or			
b) with respect to a specific timber sales licence, if it is not located within a management unit, comply with the requirements of sections 8.2 through 8.7.			
BID PRICE PER TREE		Y NUMBER	5,4
The anticipated (RESULTS IND = N) or actual (RESULTS IND = Y) bid price per tree for a planting contract.			
2006-02-17 R.A.Robb (Rls 3.0)			
- added for planning component			
ENTRY USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP		N DATE	
The date and time the information was entered.			
UPDATE USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			

Entity Name: PLANTING RSLT (cont'd)		Short Name:	PR
UPDATE TIMESTAMP	N DATE		
The date and time of the last update.			
REVISION COUNT	N NUMBER	5,0	
Internal counter used by the system to avoid conflicting updates to the record.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

- MAY BE plants cuttings from one and only one VEG LOT
or MAY BE plants seed from one and only one SEEDLOT
- * MUST BE details one and only one ACTIVITY TREATMENT UNIT
MAY BE seed requested via one and only one REQUEST ITEM
MUST BE plants one and only one SILV TREE SPECIES CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

PR_PK	Primary	Y
MUST BE details one and only one ACTIVITY TREATMENT UNIT		
PLANT RSLT SEQ NO		
RESULTS IND		

Notes:

- 2003/01/10 HS: Dropped relationship to REQUEST ITEM.
Dropped relationship to VEG LOT.
- 2006-02-17 R.A.Robb (Rls 3.0)
- added attributes BID PRICE PER TREE, RESULTS IND
- added relationships to SPAR entities VEG LOT and REQUEST ITEM

Entity Name: PRMT AUTHZD BLK		<i>Short Name:</i>	PAB
<i>Plural:</i>	PRMT AUTHZD BLK		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

To associate the Cutting Permit of a Woodlot Licence or Tree Farm Licence with the Cut Block of a Private Timber Mark or Timber Licence that has the authority to cut granted by the WL or TFL CP.

Attributes:

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

Relationships:

Each Occurrence Of This Entity:

* MAY BE Associated with one and only one CUT BLOCK

* = Relationships in primary unique identifier.

Unique Identifiers:

PAB	Primary	Y
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MAY BE Associated with one and only one CUT BLOCK

Entity Name: PROV FOREST USE		<i>Short Name:</i>	PFU
<i>Plural:</i>	PROV FOREST USE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

General header information to identify the type of forest land use managed by the Ministry of Forests (eg., timber tenures, grazing tenures, recreation files, forest service roads, etc.). This is the main access point for examining land use information.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST FILE ID		N	VARCHAR2	10
File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE described by one and only one FILE TYPE CODE

MAY BE within administrative boundary of one and only one FOREST MGMT UNIT

MAY BE performed on one or more SILV ACTIVITY SUMMARY

MAY BE Has one or more TIMBER MARK

* = Relationships in primary unique identifier.

Unique Identifiers:

PFU_PK	Primary	Y
FOREST FILE ID		

Entity Name: PRUNING RSLT			Short Name:	ATUPR
Plural:	PRUNING RSLT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	
Subtype of:	ACTIVITY TREATMENT UNIT			

Description:
Collects planned and actual information about a pruning activity performed on an Activity Treatment Unit

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
PRUNING MIN CROWN PCT		Y	NUMBER	3,0
The minimum percentage of live crown to total tree height allowed after pruning.				
PRUNE HEIGHT		Y	NUMBER	3,1
The maximum height to which the trees will be pruned.				
STEMS TO PRUNE		Y	NUMBER	4,0
The target number of trees that will be pruned.				
TOTAL STEMS PER HA		Y	NUMBER	4,0
The total number of stems per hectare on the treatment area.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MUST BE described by one and only one SILV TREE SPECIES CODE
* = Relationships in primary unique identifier.

Notes:
2006-02-08 R.A.Robb (Rls 3.0)
- added

Short Name: SPARRI

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

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

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ITEM ID		N	VARCHAR2	1

A unique identifier for each item within a request. It is alphabetically assigned (A, B,...Z).

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE requests seed for one or more PLANTING RSLT

* MUST BE itemized for one and only one SPAR REQUEST

* = Relationships in primary unique identifier.

Unique Identifiers:

SPARRI Primary Y

ITEM ID

MUST BE itemized for one and only one SPAR REQUEST

Entity Name: RESULTS AUDIT ACTION CODE		Short Name:	RAAC
Plural:	RESULTS AUDIT ACTION CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The action code is a code associated with the action. I -- Insert

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS AUDIT ACTION CODE		N	VARCHAR2	3
The action code is a code associated with the action. I -- Insert				
Jan 22 2003 wc Changed the name from ACTION CD to RESULTS AUDIT ACTION CODE and changed size from 1 to 3				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE classifies action of one or more RESULTS AUDIT EVENT

MAY BE identifies one or more STOCKING EVENT HISTORY

* = Relationships in primary unique identifier.

Unique Identifiers:

RAAC_PK	Primary	Y
RESULTS AUDIT ACTION CODE		

Notes:

2002/12/24 HS: Alter the entity name from EDT AUDIT ACTION CODE to RESULTS AUDIT ACTION CODE

Entity Name: RESULTS AUDIT DETAIL

Short Name:

RAD

Plural: RESULTS AUDIT DETAIL

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Details each of the changes included during an EDT AUDIT EVENT.

Shows the value of the modified column before and after the change.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS AUDIT DETAIL ID		N	NUMBER	12,0
The unique identifier for the audit detail entry. Created through a sequence.				
<i>Jan 23 2003 wc Change name from AUDIT DETAIL ID to RESULTS AUDIT DETAIL ID</i>				
BUSINESS_IDENTIFIER		Y	VARCHAR2	30
Describes the business key for which data is being audited. Examples of business keys are Licensee ID, Standards Unit ID, Forest Cover Layer ID.				
<i>2004-03-28 R.A.Robb Added for Release 1.3</i>				
TABLE NAME		N	VARCHAR2	30
The name of the data base table that was modified.				
COLUMN NAME		N	VARCHAR2	30
The name of the column that the data was modified in.				
OLD VALUE		Y	VARCHAR2	250
The type of data that was modified. Would be one of, Character, Date or Number. This attribute will be used to determine which of the value fields contains the prior value of the element modified.				
NEW VALUE		Y	VARCHAR2	250
If the data type was Character, the value of the field before the change.				
ENTRY USERID		N	VARCHAR2	30
The userid of the person who changed the data.				
ENTRY TIMESTAMP		N	DATE	
The date and time the data change occurred.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MUST BE defined for details of one and only one RESULTS AUDIT EVENT

MAY BE identifies spatial content for one and only one RESULTS AUDIT GEOMETRY

* = Relationships in primary unique identifier.

Unique Identifiers:

RAD_PK

Primary Y

RESULTS AUDIT DETAIL ID

Notes:

2002/12/24 HS: Alter the entity name from EDT AUDIT DETAIL to RESULTS AUDIT DETAIL

2003/01/10 HS: Deleted attributes UPDATE TIMESTAMP, UPDATE USERID and REVISION COUNT as this table will only be inserted.

2004/03/28 R.A.Robb Release 1.3

Added BUSINESS_IDENTIFIER

Entity Name: RESULTS AUDIT EVENT

Short Name:

RAE

Plural: RESULTS AUDIT EVENT

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Stores Audit Information such as openings submitted, activities submitted, changes in statuses, etc.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS AUDIT EVENT ID		N	NUMBER	10,0
A unique system generated number to use as the key for the table.				
<i>Jan 23 2003 wc Change name from AUDIT ID to RESULTS AUDIT EVENT ID</i>				
OPENING ID		Y	NUMBER	10,0
System generated value uniquely identifying the opening.				
STANDARDS REGIME ID		Y	NUMBER	10,0
Unique identifier for a STANDARD REGIME entry.				
SILVICULTURE PROJECT ID		Y	NUMBER	10,0
A system generated key which uniquely identifies an occurrence of a Silviculture Project.				
ACTION DATE		N	DATE	
The date the action occurred that is being logged.				
EMAIL SENT IND		Y	VARCHAR2	1
Indicator used to indicate if email was sent or not for this audit event.				
<i>2002/12/24 HS: Change the description slightly to be more generic.</i>				
USER ID		Y	VARCHAR2	30
The user id were the email was sent.				
<i>2002/12/24 HS: The field description identified that this was the user id of the user performing the audit transaction. This is redundant as this information is collected in the ENTRY USERID/ UDPATE USERID. Using this field to identify who the email was sent to instead.</i>				
XML SUBMISSION ID		Y	NUMBER	10
The submission file ID that was given when the data was loaded.				
<i>2002/12/24 HS: Changed the attribute name from XML FILE NAME to XML SUBMISSION ID as this is the piece of information that is unique when a data file is loaded. The characteristics of this field was changed from VARCHAR to NUMBER.</i>				
OPENING_AMENDMENT_NUMBER		Y	NUMBER	5
A system generated value uniquely identifying an amendment.				
<i>2004-03-28 R.A.Robb Added for Release 1.3</i>				
DESCRIPTION		Y	VARCHAR2	2000
Description of the action that occurred. IE: Opening ID 8736636 submitted, or Opening status changed from SUB to APP.				
<i>2002/12/24 HS: Put in more appropriate examples in the description.</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MUST BE having action classified by one and only one RESULTS AUDIT ACTION CODE

MAY BE having details defined by one or more RESULTS AUDIT DETAIL

* = Relationships in primary unique identifier.

Unique Identifiers:

Entity Name:	RESULTS AUDIT EVENT (cont'd)	<i>Short Name:</i>	RAE
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RAE_PK

Primary Y

RESULTS AUDIT EVENT ID

Notes:

- 2002/12/24 HS: Updated description to reflect what is actually being stored.

Altered the entity name from EDT AUDIT EVENT to RESULTS AUDIT EVENT
- 2003/01/13 HS: Removed REVISION COUNT, UPDATE TIMESTAMP and UPDATE USERID as this entity only does inserts.
- Mar 06 2003 wc Dropped unique keys for OPENING_ID and STANDARDS_REGIME_ID
- Mar 17 2003 wc Dropped UPDATE USERID.
- 2004-03-28 R.A.Robb Release 1.3

Added OPENING_AMENDMENT_NUMBER
- 2005-08-01 R.A.Robb Release 2.1

Removed relationships to OPENING and STANDARDS REGIME

Entity Name: RESULTS AUDIT GEOMETRY

Short Name:

RAG

Plural: RESULTS AUDIT GEOMETRY

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Stores spatial polygon component Information for a Results audit event such as openings submitted, activities submitted, changes in statuses, etc.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
GEOMETRY	MOF GEOMETRY	N	IMAGE	
Spatial coordinate representation of the polygon related to the Spatial feature being modified.				
FEATURE AREA	MOF FEATURE AREA	N	NUMBER	11,4
The area of the polygon pertaining to the Spatial feature being modified, measured in square metres.				
FEATURE PERIMETER	MOF FEATURE PERIMETER	N	NUMBER	11,4
The perimeter of the polygon pertaining to the Spatial feature being modified, measured in metres.				
OBSERVATION DATE		Y	DATE	
Captures the date of observation for the given feature image.				
DATA QUALITY COMMENT		Y	VARCHAR2	255
Allows users to specify comments regarding the accuracy and general quality of the given feature's data.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE described by one and only one CORP CAPTURE METHOD

MUST BE described by one and only one DATA SOURCE CODE

MUST BE described by one and only one FEATURE CLASS

* MUST BE historically describes one and only one RESULTS AUDIT DETAIL

* = Relationships in primary unique identifier.

Unique Identifiers:

RAG

Primary Y

MUST BE historically describes one and only one RESULTS AUDIT DETAIL

Entity Name:	RESULTS COMPLIANCE DATE RULE	Short Name:	RCDR
Plural:	RESULTS COMPLIANCE DATE RULE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Identifies the different types of dates that may be used for calculating milestone due dates. The type of dates that are valid are: APPROVAL, HARVEST, HANDOVER and NON-SU.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS Cmplnce Date Rule ID		N	VARCHAR2	10
Identifies the type of dates that are used to calculate milestone due dates. Valid values are: APPROVAL, HARVEST, HANDOVER and NON-SU.				
2003/01/29 HS: Used for programming purposes to help calculate milestone due dates.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies one or more RESULTS OPEN CTGRY MLSTNE XRF

* = Relationships in primary unique identifier.

Unique Identifiers:

RCDR_PK	Primary	Y
RESULTS Cmplnce Date Rule ID		

Notes:

2003/01/29 HS: Used to identify what type of date to use to calculate milestone due dates.

Entity Name: RESULTS DISTRICT PROFILE

Short Name:

RDP

Plural: RESULTS DISTRICT PROFILE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Configures application options for Org Units such as the option to generate Opening Mapsheet information from spatial information.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG UNIT NO		N	NUMBER	10
The MOF Organizational Unit for whom the option applies.				
GEN_OPENING_NUMBER_IND		Y	VARCHAR2	1
Indicates whether or not the district has opted-in to Opening Number generation for XML submissions. If opted-in, the Opening Number will be generated from the submitted geometry.				
INBOX_NOTIFIER_EMAIL_ADDRESS		Y	VARCHAR2	100
Identifies the email address that is to be notified of overdue items in the District's Inbox.				
ENTRY_USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
ENTRY_TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE_USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE_TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION_COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MUST BE defines options for one and only one ORG UNIT

* = Relationships in primary unique identifier.

Unique Identifiers:

RDP_PK	Primary	Y
ORG UNIT NO		

Notes:

RESULTS 2.0

2006-10-30 R.A.Robb (Rls 3)

- redesigned entity to be more appropriate for online maintenance function

Entity Name: RESULTS ELECTRONIC SUBMISSION

Short Name:

RES

Plural: RESULTS ELECTRONIC SUBMISSION

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

General information about a data submission file which has been imported through the Electronic Submission Framework.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* RESULTS SUBMISSION ID		N NUMBER	10,0
Used to link information about a data submission. A submission may have many rows of Silviculture (Form A), Activities (Form B), and Forest Cover/Milestones (Form C) information.			
This attribute will be receiving a system generated number from the Electronic Submission Framework.			
2002/12/24 HS: Updated description to pertain to RESULTS use - not ISIS.			
Renamed the attribute from FILE REFERENCE SKEY to SUBMISSION SKEY			
2003/01/10 HS: Renamed the attribute from SUBMISSION SKEY to SUBMISSION ID.			
Jan 22 2003 wc Changed name from SUBMISSION ID to RESULTS SUBMISSION ID			
SUBMISSION TIMESTAMP		N DATE	
Date and time the data submission was read.			
2002/12/24 HS: Fix the description to align to RESULTS use - not ISIS.			
Jan 22 2003 wc Changed name from TIMESTAMP to SUBMISSION TIMESTAMP			
SUBMITTED BY		N VARCHAR2	30
The USERID of the person logged on when the submission was made.			
Jan 22 2003 wc Added Attribute			
USER FILENAME		Y VARCHAR2	50
The file name identified by the licensee/Ministry when submitting the data through the Electronic Submission Framework.			
2002/12/24 HS: Change the description to align to RESULTS purposes -not ISIS.			
Jan 22 2003 wc Changed the name from FILENAME to USER FILENAME			
USER REFERENCE		Y VARCHAR2	50
A reference that the user can optionally supply. This field can be used by the user to search on for outstanding submissions.			
Jan 22 2003 wc Added Attribute			
ENTRY USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP		N DATE	
The date and time the information was entered.			
UPDATE USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP		N DATE	
The date and time of the last update.			
REVISION COUNT		N NUMBER	5,0
A counter identifying the number of times this record as been modified.			
Used in the web page access to determine if the record as been modified since the data was first retrieved.			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE generating one or more ACTIVITY TREATMENT UNIT

MAY BE defined for a specific one and only one CLIENT LOCATION

Entity Name:	RESULTS ELECTRONIC SUBMISSION (cont'd)	<i>Short Name:</i>	RES
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MAY BE generating one or more FOREST COVER
MAY BE generating one or more FOREST COVER ARCHIVE
MAY BE creating one or more OPENING
MAY BE District identified one and only one ORG UNIT
MAY BE generating one or more STOCKING MILESTONE
* = *Relationships in primary unique identifier.*

Unique Identifiers:

EFR	Primary	Y
RESULTS SUBMISSION ID		

Notes:

2002/12/24 HS: Changed the description to be more appropriate for RESULTS versus ISIS.
Deleted the attribute APPROVED IND and FILE STATUS CD as this information will be collected and stored within the Electronic Submission process.
Added relationship to MILESTONE.
Removed relationship to EDT AUDIT EVENT.
Changed the entity name from EDT FILE REFERENCE to RESULTS ELECTRONIC SUBMISSION

Entity Name:	RESULTS ERROR REFERENCE			<i>Short Name:</i>	RER
<i>Plural:</i>	RESULTS ERROR REFERENCE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>		

Description:

This entity will cross reference errors returned from procedures called in the xml submission process.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS ERROR REFERENCE ID		N	NUMBER	10,0
Unique identifier for the error message.				
ERROR IN STRING		Y	VARCHAR2	100
Contains the error string returned from the called procedure.				
ERROR OUT STRING		N	VARCHAR2	2000
Contains a more descriptive error message to return to the xml submission user.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

RER_PK	Primary	Y
RESULTS ERROR REFERENCE ID		

Notes:

Apr-15-2003 wc Added entity.

Entity Name: RESULTS FRPA ATTACH CONTENT*Short Name:*

RFRPAAF

Plural: RESULTS FRPA ATTACH CONTENT*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Supports attachment of supporting documentation to proposed or submitted Forest and Range Practices Act.

This entity could have been implemented as an attribute of RESULTS FRPA ATTACHMENT, however, MoFR standards dictate modeling with more of a physical slant. The splitting of the entity in the first place is required by Database administrator to enable them store the attachment data in a different tablespace apart from other attributes which may change more often, causing reorganization of the table.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ATTACHMENT DATA		N	IMAGE	

The actual attached data. May be binary data such as multimedia documents or images.

* = *Attributes in primary unique identifier.*

Relationships:Each Occurrence Of This Entity:

* MUST BE documents one and only one RESULTS FRPA ATTACHMENT

* = *Relationships in primary unique identifier.*

Unique Identifiers:

RFAF PK

Primary Y

MUST BE documents one and only one RESULTS FRPA ATTACHMENT

Entity Name: RESULTS FRPA ATTACHMENT**Short Name:** RFATTACH**Plural:** RESULTS FRPA ATTACHMENT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Supports attachment of supporting documentation to proposed or submitted Forest and Range Practices Act.

The actual attachment data is RESULTS FRPA ATTACH CONTENT due to database administrator preference (see description in that entity).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS FRPA ATTACHMENT ID		N	NUMBER	10,0
A system generated key to uniquely identify an occurrence of a standards regime attachment.				
ATTACHMENT NAME		N	VARCHAR2	50
The file name of the attached document.				
ATTACHMENT DESCRIPTION		Y	VARCHAR2	120
A short description concerning the attached data or the rationale for attaching the data.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE content described by one and only one MIME TYPE CODE

MUST BE documented by one and only one RESULTS FRPA ATTACH CONTENT

MUST BE documents one and only one SILV RELIEF APPLICATION

* = Relationships in primary unique identifier.

Unique Identifiers:

RFAC PK Primary Y

RESULTS FRPA ATTACHMENT ID

Entity Name: RESULTS INBOX PREVIEW

Short Name:

RIP

Plural: RESULTS INBOX PREVIEW

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Allows designated district staff to recommend approval or rejection of various RESULTS Inbox submission types through comments to the final reviewer. This workflow was introduced to reduce the burden on approvers of reviewing numerous trivial submissions when only complicated matters may require their detailed attention.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS INBOX PREVIEW ID		N	NUMBER	10,0
A system generated key to uniquely identify an occurrence of an Inbox Preview.				
PREVIEWER USERID		N	VARCHAR2	30
USERID of the individual who Previewed the submission.				
DATE PREVIEWED		N	DATE	
The date that the submission was previewed.				
PREVIEWER COMMENT		Y	VARCHAR2	2000
Comments made by the previewer regarding the submission. May include recommendations and rationale for approving or rejecting the submission.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE applies to one and only one SILV RELIEF APPLICATION

or MAY BE applies to one and only one OPENING AMALGAMATION

or MAY BE applies to one and only one STANDARDS REGIME

or MAY BE applies to one and only one OPENING AMENDMENT HISTORY

* = Relationships in primary unique identifier.

Unique Identifiers:

RIR

Primary Y

RESULTS INBOX PREVIEW ID

Notes:

2006-01-02 R.A.Robb (Rls 3.0)

- added for the Notifications component

Entity Name: RESULTS OPEN CTGRY MLSTNE XRF		<i>Short Name:</i>	ROCMX
<i>Plural:</i>	RESULTS OPEN CTGRY MLSTNE XRF		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Identifies what date to use to calculate milestone due dates based upon an open category code. The date is used as the starting date that the offset years is added to (whether that be post harvest, regeneration or free growing). When an opening is first created, this xreference will be accessed to determine what the due dates should be set to and the type of date used is stored in OPENING.

Attributes:

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

Relationships:

Each Occurrence Of This Entity:

- * MUST BE References an one and only one OPEN CATEGORY CODE
 - * MUST BE references one and only one RESULTS COMPLIANCE DATE RULE
- * = Relationships in primary unique identifier.

Unique Identifiers:

ROCMX	Primary	Y
MUST BE References an one and only one OPEN CATEGORY CODE		
MUST BE references one and only one RESULTS COMPLIANCE DATE RULE		

Notes:

2003/01/29 HS: This is used for programming purposes. The code uses this table to initially default the column that exists in OPENING.

Entity Name:	RESULTS SCALE SPECIES GRP XREF	Short Name:	RSSGX
Plural:	RESULTS SCALE SPECIES GRP XREF		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:
Associates a broad species group ("genus" level) to a tree species ("species" level)

Attributes:

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

- Relationships:**
Each Occurrence Of This Entity:
- * MUST BE is grouped within one and only one HDBS TREE SPECIES
 - * MUST BE is grouped within one and only one RESULTS SPECIES GROUP CODE
 - * = Relationships in primary unique identifier.

Unique Identifiers:

RSSGX	Primary	Y
MUST BE is grouped within one and only one HDBS TREE SPECIES		
MUST BE is grouped within one and only one RESULTS SPECIES GROUP CODE		

Entity Name: RESULTS SILV SPECIES GRP XREF		Short Name:	RSSGX1
Plural:	RESULTS SILV SPECIES GRP XREF		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Associates a broad species group ("genus" level) to a silviculture tree species code ("species" level) as defined in the RESULTS application.

Attributes:

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

- Relationships:*
- Each Occurrence Of This Entity:
- * MUST BE is grouped within one and only one RESULTS SPECIES GROUP CODE
 - * MUST BE is grouped within one and only one SILV TREE SPECIES CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SCEX	Primary	Y
MUST BE is grouped within one and only one SILV TREE SPECIES CODE		
MUST BE is grouped within one and only one RESULTS SPECIES GROUP CODE		

Entity Name: RESULTS SPECIES GROUP CODE			Short Name:	RSGC
Plural:	RESULTS SPECIES GROUP CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Generalized category for a tree species, e.g. mountain hemlock and western hemlock can be categorized into the species group hemlock; Dogwood and douglas-fir can be categorized into the species group the fir.

Attributes:				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RESULTS SPECIES GROUP CODE		N	VARCHAR2	3
Code that generalizes a tree species into a category				
DESCRIPTION		N	VARCHAR2	120
Description of code that generalizes a tree species into a category				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE groups one or more RESULTS SCALE SPECIES GRP XREF

MAY BE groups one or more RESULTS SILV SPECIES GRP XREF

MAY BE groups one or more RESULTS SPECIES GROUP XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

SGC	Primary	Y
RESULTS SPECIES GROUP CODE		

Entity Name:	RESULTS SPECIES GROUP XREF	<i>Short Name:</i>	RSGX
<i>Plural:</i>	RESULTS SPECIES GROUP XREF		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Associates a broad species group ("genus" level) to a tree species code ("species" level) as defined by the RESULTS application

Attributes:

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

- Relationships:*
- Each Occurrence Of This Entity:
- * MUST BE is grouped within one and only one RESULTS SPECIES GROUP CODE
 - * MUST BE is identified by one and only one TREE SPECIES CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

RSGX	Primary	Y
MUST BE is identified by one and only one TREE SPECIES CODE		
MUST BE is grouped within one and only one RESULTS SPECIES GROUP CODE		

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

Description:
A quantity of seed of a particular species and quality from a given location collected at a given time.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SEEDLOT NUMBER		N	VARCHAR2	5
The unique number (key) assigned to a quantity of seed of a particular species and quality from a given location collected at a given time.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE seed planted for one or more PLANTING RSLT
* = Relationships in primary unique identifier.

Unique Identifiers:

SEEDLOT_PK	Primary	Y
SEEDLOT NUMBER		

Entity Name:	SILV ACTIVITY MEASUREMENT CODE	Short Name:	SAMC
Plural:	SILV ACTIVITY MEASURMENT CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

List of valid codes that are used as measurements for activities (e.g. HA - hectares for brushing activity).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV ACTIVITY MEASUREMENT CODE		N	VARCHAR2	3
A code indicating the measurement code for the activity.				
DESCRIPTION		N	VARCHAR2	240
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more ACTIVITY TREATMENT UNIT

MAY BE describes one or more SILV ACTIVITY XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

SAM_PK	Primary	Y
SILV ACTIVITY MEASUREMENT CODE		

Short Name: SILVAS

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

Collects summary silviculture reporting based on legislated reporting requirements.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV ACTIVITY SUMMARY ID		N	NUMBER	10
Unique identifier for each Silviculture Activity summary record.				
FISCAL YEAR		N	NUMBER	4,0
A period of twelve months in which finances are managed.				
TREATMENT AREA		N	NUMBER	11,1
The area treated in hectares for a silviculture activity .				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

SILV ACTIVITY SUMMARY ID

Entity Name: SILV ACTIVITY XREF

Short Name:

SAX

Plural: SILV ACTIVITY XREF

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

This table identifies all Silviculture activities. Each activity code is comprised of a valid base blank technique, blank method, or a valid base, technique, blank method, or a valid base, technique, and method. This table is district maintained.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV ACTIVITY XREF ID		N	NUMBER	10,0
A unique system generated number to use as the key for the table.				
2003/01/31 HS: Added SILV ACTIVITY XREF ID as technique and method code can be blank so they cannot form the primary key.				
ESTIMATED UNIT COST		N	NUMBER	9,2
Cost of the activity bases on price per unit IE hectares treated				
2006-02-08 R.A.Robb (Rls 3.0)				
- added				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE described by one and only one SILV ACTIVITY MEASUREMENT CODE

MUST BE references one and only one SILV BASE CODE

MAY BE references one and only one SILV METHOD CODE

MAY BE references one and only one SILV TECHNIQUE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

SAX_UK	Primary	N
MUST BE references one and only one SILV BASE CODE		
MAY BE references one and only one SILV TECHNIQUE CODE		
MAY BE references one and only one SILV METHOD CODE		
SAX_PK	Primary	Y
SILV ACTIVITY XREF ID		

Notes:

Jan 23 2003 wc Changed name from SILV ACTVTY XREF to SILV ACTIVITY XRF

2003/01/28 HS: Noticed the E is missing from XRF so fixed it.

2006-02-08 R.A.Robb (Rls 3.0)

- added ESTIMATED UNIT COST

Entity Name: SILV ADMIN ZONE			<i>Short Name:</i>	SAZ
<i>Plural:</i>	SILV ADMIN ZONE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:
An entity identifying the valid administrative zones for organization units (i.e., district).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DIST ADMIN ZONE		N	VARCHAR2	2
The administrative zone for a district.				
ADMIN ZONE DESC		N	VARCHAR2	50
A literal description of the administrative zone code for the district.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE used to group one or more OPENING
* MUST BE categoried within one and only one ORG UNIT
MAY BE describes one or more SILVICULTURE PROJECT
* = Relationships in primary unique identifier.

Unique Identifiers:
SILV_ADMIN_ZONE_PK Primary Y
MUST BE categoried within one and only one ORG UNIT
DIST ADMIN ZONE

Notes:
2003/05/15 HS - Created entity as part of change request 7.

Entity Name: SILV BASE CODE			<i>Short Name:</i>	SBC
<i>Plural:</i>	SILV BASE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Identifies a primary category of Silviculture Activity.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV BASE CODE		N	VARCHAR2	2
Identifies a primary category of Silviculture Activity.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE discriminates one or more ACTIVITY TREATMENT UNIT

MAY BE described by one or more SILV ACTIVITY SUMMARY

MAY BE describes one or more SILV ACTIVITY XREF

MAY BE Describes a Silv Base one or more SILV BASE FUNDING XREF

MAY BE Describes a Silv Base one or more SILV BASE OBJECTIVE XREF

MAY BE describes one or more SILV RELIEF ATU REGIME

MAY BE describes one or more SILVICULTURE PROJECT

MAY BE describes one or more TREATMENT REGIME ACTIVITY

* = *Relationships in primary unique identifier.*

Unique Identifiers:

SBC_PK	Primary	Y
SILV BASE CODE		

Entity Name: SILV BASE FUNDING XREF		<i>Short Name:</i>	SBFX
<i>Plural:</i>	SILV BASE FUNDING XREF		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A cross-reference entity showing the valid combinations of SILV BASE CODE and SILV FUND SRCE CODE.

Attributes:

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

- Relationships:*
- Each Occurrence Of This Entity:
- * MUST BE References a Silv Base one and only one SILV BASE CODE
 - * MUST BE References a Silv Funding Source one and only one SILV FUND SRCE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SBFX	Primary	Y
MUST BE References a Silv Funding Source one and only one SILV FUND SRCE CODE		
MUST BE References a Silv Base one and only one SILV BASE CODE		

Entity Name:	SILV BASE OBJECTIVE XREF	<i>Short Name:</i>	SBOX
<i>Plural:</i>	SILV BASE OBJECTIVE XREF		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A cross reference table used to identify the relationships between silv base codes and silv objective codes.

Attributes:

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

- Relationships:*
- Each Occurrence Of This Entity:
- * MUST BE References a Silv Base one and only one SILV BASE CODE
 - * MUST BE References an Objective one and only one SILV OBJECTIVE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SBOX	Primary	Y
MUST BE References a Silv Base one and only one SILV BASE CODE		
MUST BE References an Objective one and only one SILV OBJECTIVE CODE		

SCSC

Annual Growth Rate:

Code indicating source of comment. Examples include but are not limited to: OPEN, PHSP, RSLT, PLAN.

* = Attributes in primary unique identifier.

* = Relationships in primary unique identifier.

Primary Y

SILV COMMENT SOURCE CODE

Jan 22 2003 wc Changed name from SILV CMT SOURCE CODE to SILV COMMENT SOURCE CODE

Entity Name: SILV COMMENT TYPE CODE			<i>Short Name:</i>	SCTC
<i>Plural:</i>	SILV COMMENT TYPE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Code indicating type of comment. Examples include but are not limited to: MGMNTOBJ, RECREATN, LNDSCAPE, WILDLIFE, FISHWATR, FIRE, SP, SURVEY.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV COMMENT TYPE CODE		N	VARCHAR2	8
Code indicating type of comment. Examples include but are not limited to: MGMNTOBJ, RECREATN, LNDSCAPE, WILDLIFE, FISHWATR, FIRE, SP, SURVEY.				
<i>Jan 22 2003 wc Changed name from SILV CMT TYPE CODE to SILV COMMENT TYPE CODE</i>				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a Silv Cmt Type one or more SILV COMMENT XREF

* = *Relationships in primary unique identifier.*

Unique Identifiers:

SCTC_PK	Primary	Y
SILV COMMENT TYPE CODE		

Notes:

Jan 22 2003 wc Changed name from SILV CMT TYPE CODE to SILV COMMENT TYPE CODE

Entity Name: SILV COMMENT XREF		<i>Short Name:</i>	SCX
<i>Plural:</i>	SILV COMMENT XREF		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A cross reference entity that allow for the relationship between SILV CMT SOURCE CODE and SILV CMT TYPE CODE.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
COMMENT ORDER NO		N	NUMBER	5,0
Used to order comment type codes when displaying all types for a comment source code.				
* = Attributes in primary unique identifier.				

- Relationships:*
- Each Occurrence Of This Entity:
- * MUST BE References a Silv Cmt Source one and only one SILV COMMENT SOURCE CODE
 - * MUST BE References a Silv Cmt Type one and only one SILV COMMENT TYPE CODE
 - MAY BE Describes one or more SILVICULTURE COMMENT
 - * = Relationships in primary unique identifier.

Unique Identifiers:

SCX	<i>Primary</i>	Y
<i>MUST BE References a Silv Cmt Type one and only one SILV COMMENT TYPE CODE</i>		
<i>MUST BE References a Silv Cmt Source one and only one SILV COMMENT SOURCE CODE</i>		

Notes:

2002/12/27 HS: Created

Jan 22 2003 wc Changed name from SILV CMT XREF to SILV COMMENT XREF

Entity Name: SILV CUT PHASE CODE			<i>Short Name:</i>	SCPC
<i>Plural:</i>	SILV CUT PHASE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The code for the actual silvicultural system cut phase. The cut phase of a silvicultural system variant describes the function of a harvest to extract merchantable timber and achieve a silviculture treatment.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV CUT PHASE CODE		N	VARCHAR2	5
The code for the actual silvicultural system cut phase. The cut phase of a silvicultural system variant describes the function of a harvest to extract merchantable timber and achieve a silviculture treatment.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a Silv Cut Phase one or more DISTURBANCE RSLT

MAY BE Describes a Cut Phase one or more SILV SYSTEM XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

SCPC_PK	Primary	Y
SILV CUT PHASE CODE		

Entity Name: SILV DAMAGE AGENT CODE**Short Name:**

SDAC

Plural: SILV DAMAGE AGENT CODE**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

A code indicating the category of insect or disease that has caused a disturbance in the stands history. Stands with a disturbance caused by insects or disease can be further described by the ACTIVITY SUB CODE. The code for the damage agent as it is currently collected (94-3). The FIP based version of Damage Agent code, retained on an as is basis until migration to a stable Ministry version of Damage Agent is available.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV DAMAGE AGENT CODE		N	VARCHAR2	3
A code indicating the category of insect or disease that has caused a disturbance in the stands history. Stands with a disturbance caused by insects or disease can be further described by the ACTIVITY SUB CODE. The code for the damage agent as it is currently collected (94-3). The FIP based version of Damage Agent code, retained on an as is basis until migration to a stable Ministry version of Damage Agent is available.				
<i>Jan 22 2003 wc Changed name from DAMAGE AGENT CODE to SILV DAMAGE AGENT CODE</i>				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MAY BE Describes a Damage Agent one or more FORHEALTH RSLT

MAY BE Describes a Damage Agent one or more FORHEALTH RSLT ARCHIVE

* = Relationships in primary unique identifier.

Unique Identifiers:

PSC2_PK Primary Y

SILV DAMAGE AGENT CODE

Notes:

Jan 22 2003 wc Changed name from DAMAGE AGENT CODE to SILV DAMAGE AGENT CODE

Entity Name: SILV FUND SRCE CODE			<i>Short Name:</i>	SFSC
<i>Plural:</i>	SILV FUND SRCE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A code indicating which Funding Program will be the primary funding source for silviculture activities on the opening.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV FUND SRCE CODE		N	VARCHAR2	3
A code indicating which Funding Program will be the primary funding source for silviculture activities on the opening.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more ACTIVITY TREATMENT UNIT

MAY BE describes one or more ACTIVITY TREATMENT UNIT

MAY BE described by one or more SILV ACTIVITY SUMMARY

MAY BE Describes a Silv Funding Source one or more SILV BASE FUNDING XREF

MAY BE describes one or more SILV RELIEF ATU REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

SFSC_PK	Primary	Y
SILV FUND SRCE CODE		

Entity Name:	SILV IMAGE TYPE CODE	Short Name:	SITC
Plural:	SILV IMAGE TYPE CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

A means of identifying if the associated image to the OPENING is for the map or the legend.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV IMAGE TYPE CODE		N	VARCHAR2	3
A means of identifying if the associated image to the OPENING is for the map or the legend.				
Jan 22 2003 wc Changed name from IMAGE TYPE CODE to SILV IMAGE TYPE CODE				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more ACTIVITY TU MAP IMAGE

MAY BE References an Image Type one or more OPENING MAP IMAGE

* = Relationships in primary unique identifier.

Unique Identifiers:

SITC_PK	Primary	Y
SILV IMAGE TYPE CODE		

Notes:

Jan 22 2003 wc Changed name from IMAGE TYPE CODE to SILV IMAGE TYPE CODE

Entity Name: SILV MAP CATEGORY CODE		<i>Short Name:</i>	SMCC
<i>Plural:</i>	SILV MAP CATEGORY CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Identifies the type of map (e.g., opening, forest cover, activities).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV MAP CATEGORY CODE		N	VARCHAR2	3
A means of identifying if the associated image to the OPENING is a site prep map, a forest cover map, etc.				
2003/01/14 HS: Set the maximum length.				
Jan 17 2003 wc Changed length from 20 to 3.				
Jan 22 2003 wc Changed Name from MAP TYPE CODE to SILV MAP CATEGORY CODE.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
2003-10-20 HS - Changed the attribute width from VARCHAR2(240) to VARCHAR2(120) as instructed by Bill Holland.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE define one or more OPENING MAP IMAGE

* = Relationships in primary unique identifier.

Unique Identifiers:

MTYC_PK	Primary	Y
SILV MAP CATEGORY CODE		

Notes:

2002/12/24 HS: Created

Jan 22 2003 wc Changed Name from MAP TYPE CODE to SILV MAP CATEGORY CODE.

Entity Name: SILV METHOD CODE		<i>Short Name:</i>	SMC
<i>Plural:</i>	SILV METHOD CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Describes the specific machinery or method used for the base activity (eg. SHEAR = hand shears). A code for the method category of silvicultural activity planned.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV METHOD CODE		N	VARCHAR2	5
Describes the specific machinery or method used for the base activity (eg. SHEAR = hand shears). A code for the method category of silvicultural activity planned.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MAY BE describes one or more ACTIVITY TREATMENT UNIT
 - MAY BE describes one or more ACTIVITY TREATMENT UNIT
 - MAY BE described by one or more SILV ACTIVITY SUMMARY
 - MAY BE describes one or more SILV ACTIVITY XREF
 - MAY BE describes one or more SILV RELIEF ATU REGIME
 - MAY BE describes one or more TREATMENT REGIME ACTIVITY
- * = Relationships in primary unique identifier.

Unique Identifiers:

SMC_PK	Primary	Y
SILV METHOD CODE		

Entity Name: SILV MILESTONE TYPE CODE		<i>Short Name:</i>	SMTC
<i>Plural:</i>	SILV MILESTONE TYPE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The age classification of the primary tree species in the previous stand (for the area under the prescription).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV MILESTONE TYPE CODE		N	VARCHAR2	3
A means of identifying if the associated milestone is for post harvest, regeneration or free growing.				
2003/01/14 HS: Set the maximum length.				
Jan 17 2003 wc Changed length from 20 to 3.				
Jan 22 2003 wc Changed name from MILESTONE TYPE CODE to SILV MILESTONE TYPE CODE.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
2003-10-22 HS - Changed the length from 240 to 120 as instructed by Bill Holland				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE define one or more STOCKING MILESTONE

* = Relationships in primary unique identifier.

Unique Identifiers:

SMTC_PK	Primary	Y
SILV MILESTONE TYPE CODE		

Notes:

2002/12/16 HS - New code table entity that holds the type of milestones that can be declared.
Jan 22 2003 wc Changed name from MILESTONE TYPE CODE to SILV MILESTONE TYPE CODE.

Entity Name:	SILV PROJECT COMMENT LINK	<i>Short Name:</i>	SPCL
<i>Plural:</i>	SILV PROJECT COMMENT LINK		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Resolves SILVICULTURE PROJECTS to SILVICULTURE COMMENTS to facilitate storing of comments for projects.

Attributes:

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

Relationships:

Each Occurrence Of This Entity:

- * MUST BE recorded against one and only one SILVICULTURE COMMENT
- * MUST BE recorded against one and only one SILVICULTURE PROJECT
- * = Relationships in primary unique identifier.

Unique Identifiers:

SPCL	Primary	Y
MUST BE recorded against one and only one SILVICULTURE COMMENT		
MUST BE recorded against one and only one SILVICULTURE PROJECT		

Notes:

2006-01-05 R.A.Robb (Rls 3.0)
- added

Entity Name: SILV PROJECT STATUS CODE			<i>Short Name:</i>	PSCD
<i>Plural:</i>	SILV PROJECT STATUS CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A code to indicate the current status of a SILVICULTURE PROJECT.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV PROJECT STATUS CODE		N	VARCHAR2	3
A code to indicate the current status of a SILVICULTURE PROJECT.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE described by one or more SILVICULTURE PROJECT

* = Relationships in primary unique identifier.

Unique Identifiers:

ASCD	Primary	Y
SILV PROJECT STATUS CODE		

Notes:

2006-02-02 R.A.Robb (Rls 3.0)

- added

Entity Name: SILV RELIEF APPLICATION			Short Name:	SRA
Plural:	SILV RELIEF APPLICATION			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Application for relief from obligation or montary reimbursement for damage done by natural disasters etc.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV RELIEF APPLICATION ID		N	NUMBER	10
Uniquely identifies an Application for Relief from obligations.				
SILV RELIEF APPLICATION NO		N	NUMBER	3
The sequential number given to the relief application baed on the number of application submitted for the opening only.				
PRE EVENT FOREST COVER DATE		N	DATE	
Most recent observation date describing the forest condition prior to the event.				
POST EVENT FOREST COVER DATE		N	DATE	
Most recent observation date after the damaging event demonstrating the current forest condition leading to the relief request.				
OBLIGATION RELIEF IND		N	VARCHAR2	1
Denotes whether this application is applying for full relief from obligations.				
OBLIGATION MET IND		N	VARCHAR2	1
Indicates if the Obligation cannot be met without significant extra expense due to the damaging event.				
CAUSE DAMAGE IND		N	VARCHAR2	1
Indicates if the Obligation holder did not cause or contribute to the cause of the damage.				
OFFICIALLY INDUCED ERROR IND		N	VARCHAR2	1
Indicates if the Obligation holder contributed to the cause of the damage but only as a result of an officially induced error.				
DUE DILIGENCE IND		N	VARCHAR2	1
Indicates if the Obligation holder exercised due diligence in relation to the cause of the damage.				
AUTHORIZATION CHECKED IND		N	VARCHAR2	1
Indicates if the submitter is authorized by the holder of these silviculture obligations to make this submission and confirms their appropriate professional designation to make this submission.				
SUBMITTED BY USERID		Y	VARCHAR2	30
The userid of the individual who submitted the application.				
SUBMITTED DATE		Y	DATE	
The date and time the application was submitted.				
APPROVED BY USERID		Y	VARCHAR2	30
The userid of the individual who approved the application.				
APPROVED DATE		Y	DATE	
The date and time the application was approved.				
REJECT COMMENT		Y	VARCHAR2	2000
If the application is rejected, a reason must be provided.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				

Entity Name:	SILV RELIEF APPLICATION (cont'd)	<i>Short Name:</i>	SRA
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UPDATE TIMESTAMP

N DATE

The date and time of the last update.

REVISION COUNT

N NUMBER

5

A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE identifies the disturbance one and only one ACTIVITY TREATMENT UNIT

MAY BE references one and only one OPENING AMENDMENT HISTORY

MAY BE documented by one or more RESULTS FRPA ATTACHMENT

MAY BE reviews one and only one RESULTS INBOX PREVIEW

MUST BE described by one and only one SILV RELIEF APPL STATUS CODE

MAY BE contains one or more SILV RELIEF ATU REGIME

** = Relationships in primary unique identifier.*

Unique Identifiers:

SRA

Primary Y

SILV RELIEF APPLICATION ID

SRAR

Annual Growth Rate:

Collects information regarding activity Treatment unit details for which monetary or obligation relief is being applied for.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SILV RELIEF ATU REGIME ID		N	NUMBER	10
Pre-Approved Stocking Standards ID that will be used to re-establish dmaged area for which relief was applied for.				
TREATMENT AMOUNT		N	NUMBER	11,1
Area treated under the activity for which the relief was applied for.				
PLANNED TREATMENT COST		N	NUMBER	8
Estimated cost of treatment for which licensee has applied for relief in monetary funds				
ACTIVITY LICENSEE ID		Y	VARCHAR2	30
A unique identifier provided by the Licensee to identify the Activity Number.				
ENTRY USERID		N	VARCHAR2	30
The userid of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The userid of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5
A counter identifying the number of times this record as been modified. Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Each Occurrence Of This Entity:

MUST BE described by one and only one SILV BASE CODE

MUST BE described by one and only one SILV FUND SRCE CODE

MAY BE described by one and only one SILV METHOD CODE

MUST BE contained within one and only one SILV RELIEF APPLICATION

MAY BE described by one and only one SILV TECHNIQUE CODE

* = Relationships in primary unique identifier.

SRAR	Primary	Y
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SILV RELIEF ATU REGIME ID

Entity Name: SILV RESERVE CODE			<i>Short Name:</i>	SRC
<i>Plural:</i>	SILV RESERVE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A code for the type of reserve. Values are group (b), uniform (u) or variable (v).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV RESERVE CODE		N	VARCHAR2	1
A code for the type of reserve. Values are group (b), uniform (u) or variable (v).				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE indicates reserve type of one or more FOREST COVER

MAY BE indicates of one or more FOREST COVER ARCHIVE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

RTC1_PK	Primary	Y
SILV RESERVE CODE		

Jan 23 2003 Changed name from SILV RES OBJ CODE to SILV RESERVE OBJECTIVE CODE

Entity Name: SILV STATUTE CODE			<i>Short Name:</i>	SSTCD
<i>Plural:</i>	SILV STATUTE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

obsolete - not in use

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV STATUTE CODE		N	VARCHAR2	3
Obsolete - not in use				
DESCRIPTION		N	VARCHAR2	120
Obsolete - not in use				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describe legislation for one or more STANDARDS REGIME

MAY BE describes legislation for one or more STANDARDS REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

SSTCD	Primary	Y
SILV STATUTE CODE		

Entity Name: SILV SYSTEM CODE		<i>Short Name:</i>	SSC4
<i>Plural:</i>	SILV SYSTEM CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The code signifying the silviculture system that the post logging treatment code is to be applied to. (Ex. 'B' for Basic silviculture).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV SYSTEM CODE		N	VARCHAR2	5
The code signifying the silviculture system that the post logging treatment code is to be applied to. (Ex. 'B' for Basic silviculture).				
2003/01/28 HS: Changed SILV SYSTEM CODE from VARCHAR2 (7) to VARCHAR2 (5)				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more DISTURBANCE RSLT
MAY BE Describes a Silv System one or more SILV SYSTEM XREF
* = Relationships in primary unique identifier.

Unique Identifiers:

SSC4_PK	Primary	Y
SILV SYSTEM CODE		

Entity Name:	SILV SYSTEM VARIANT CODE	<i>Short Name:</i>	SSVC
<i>Plural:</i>	SILV SYSTEM VARIANT CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The code for the silvicultural system variant, which further describes the functional attributes of the particular silvicultural system

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV SYSTEM VARIANT CODE		N	VARCHAR2	3
The code for the silvicultural system variant, which further describes the functional attributes of the particular silvicultural system				
Jan 23 2003 wc Changed name from SILV SYSTEM VAR CODE to SILV SYSTEM VARIANT CODE				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a Silv System Var one or more DISTURBANCE RSLT

MAY BE Describes a Silv System Var one or more SILV SYSTEM XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

SSVC_PK	Primary	Y
SILV SYSTEM VARIANT CODE		

Notes:

Jan 23 2003 wc Changed name from SILV SYSTEM VAR CODE to SILV SYSTEM VARIANT CODE

Entity Name: SILV SYSTEM XREF			<i>Short Name:</i>	SSX
<i>Plural:</i>	SILV SYSTEM XREF			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A cross reference entity that allow for the relationship between SILV SYSTEM CODE, SILV SYSTEM VAR CODE and SILV CUT PHASE CODE.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV SYSTEM XREF ID		N	NUMBER	10,0
A unique system generated number to use as the key for the table.				
2003/02/03 HS: Added SILV SYSTEM XREF ID as variant code can be blank so it cannot form the primary key.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
ENTRY USERID		N	VARCHAR2	240
The USERID of the individual who entered the information.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MUST BE References a Cut Phase one and only one SILV CUT PHASE CODE
- MUST BE References a Silv System one and only one SILV SYSTEM CODE
- MUST BE References a Silv System Var one and only one SILV SYSTEM VARIANT CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SSX_UK	Primary	N
MUST BE References a Silv System one and only one SILV SYSTEM CODE		
MUST BE References a Silv System Var one and only one SILV SYSTEM VARIANT CODE		
MUST BE References a Cut Phase one and only one SILV CUT PHASE CODE		
SSX_PK	Primary	Y
SILV SYSTEM XREF ID		

Entity Name: SILV TECHNIQUE CODE		<i>Short Name:</i>	STC
<i>Plural:</i>	SILV TECHNIQUE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Describes the broad category of technique, used for the base activity (eg.BU = BURN).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV TECHNIQUE CODE		N	VARCHAR2	2
Describes the broad category of technique, used for the base activity (eg.BU = BURN).				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more ACTIVITY TREATMENT UNIT

MAY BE describes one or more ACTIVITY TREATMENT UNIT

MAY BE described by one or more SILV ACTIVITY SUMMARY

MAY BE describes one or more SILV ACTIVITY XREF

MAY BE describes one or more SILV RELIEF ATU REGIME

MAY BE describes one or more TREATMENT REGIME ACTIVITY

* = *Relationships in primary unique identifier.*

Unique Identifiers:

STC_PK	<i>Primary</i>	Y
SILV TECHNIQUE CODE		

Entity Name:	SILV TREE SPECIES CODE	Short Name:	STSC
Plural:	SILV TREE SPECIES CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The secondary tree species of Crown timber that was cut, damaged, destroyed or removed without authority

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILV TREE SPECIES CODE		N	VARCHAR2	8
The secondary tree species of Crown timber that was cut, damaged, destroyed or removed without authority				
Jan 23 2003 wc Changed name from SILV SPECIES CODE to SILV TREE SPECIES CODE				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE defines species for one or more PLANTING RSLT

MAY BE defines species for one or more PRUNING RSLT

MAY BE identifies one or more RESULTS SILV SPECIES GRP XREF

MAY BE Describes a Tree Species one or more STANDARDS REGIME LAYER SPECIES

MAY BE Describes a Silv Species one or more STOCKING LAYER SPECIES

MAY BE describes one or more STOCKING LAYER SPECIES AMD

MAY BE identifies one or more STOCKING LAYER SPECIES ARCHIVE

* = Relationships in primary unique identifier.

Unique Identifiers:

STSC_PK	Primary	Y
SILV TREE SPECIES CODE		

Notes:

Jan 23 2003 wc Changed name from SILV SPECIES CODE to SILV TREE SPECIES CODE

Entity Name: SILVICULTURE COMMENT**Short Name:**

SILVC

Plural: SILVICULTURE COMMENT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Stores general comments for the ISIS system, and is attached to one of: Opening, ATU, Project.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILVICULTURE COMMENT ID		N	NUMBER	10,0
System generated value uniquely identifying the ISIS comment.				
2003/01/27 HS: Changed the name from COMMENT ID to SILVICULTURE COMMENT ID				
COMMENT DATE		N	DATE	
Date which the comment is created.				
COMMENT TEXT		N	VARCHAR2	2000
A long, variable length text field for entering comment text.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The USERID of the individual who entered the information.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last update this information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE Is Linked By one and only one ACTIVITY TU COMMENT LINK

MAY BE Is Linked By one and only one OPENING COMMENT LINK

MUST BE References one and only one SILV COMMENT XREF

MAY BE recorded for one or more SILV PROJECT COMMENT LINK

MAY BE Is Linked By one and only one STOCKING COMMENT LINK

MAY BE Is linked by one and only one STOCKING MILESTONE CMT LINK

* = Relationships in primary unique identifier.

Unique Identifiers:

SILVC_PK

Primary Y

SILVICULTURE COMMENT ID

Notes:

2003/02/27 DM: Dropped ISSUE_IND

Entity Name: SILVICULTURE PROJECT**Short Name:**

PROJ

Plural: SILVICULTURE PROJECT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

A administrative instrument that allows Ministry staff to plan and execute contracts for silviculture treatments. Collects the general project information recorded during Planting, Site Preparation, Pruning and Survey activities

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILVICULTURE PROJECT ID		N	NUMBER	10,0
A system generated key which uniquely identifies an occurrence of a Silviculture Project.				
FISCAL YEAR		N	NUMBER	4
The fiscal year in which the project commenced, or, in the case of a planned project, is expected to commence.				
A component of the concatenated business key which consists of: SILV BASE CODE FISCAL YEAR ORG UNIT CODE PROJECT SEQUENCE				
e.g. PL2006DCR035A				
PROJECT SEQUENCE		N	VARCHAR2	4
A one to four character identifier that is meaningful to the user and assists in distinguishing one Project from another within the same SILV BASE CODE, FISCAL YEAR, ORG UNIT CODE.				
A component of the concatenated business key which consists of: SILV BASE CODE FISCAL YEAR ORG UNIT CODE PROJECT SEQUENCE				
e.g. PL2006DCR035A				
PROJECT LOCATION		Y	VARCHAR2	30
A comment regarding the general location of the project.				
COORDINATOR USERID		Y	VARCHAR2	30
The userid of the contract coordinator for the project.				
START DATE		N	DATE	
The date that the project actually commenced, or, in the case of a planned project, the date it is currently scheduled to commence.				
VIEW DATE		Y	DATE	
The planned or actual date of viewing the contract particulars.				
OVERHEAD COST		Y	NUMBER	9,2
The planned or actual total overhead costs associated with the project.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5

Entity Name:	SILVICULTURE PROJECT (cont'd)	<i>Short Name:</i>	PROJ
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A counter identifying the number of times this record has been modified.
Used in the web page access to determine if the record has been modified since the data was first retrieved.

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE executes one or more ACTIVITY TREATMENT UNIT
MAY BE described by one and only one CREW CONTRACT HIRE CODE
MAY BE awarded to one and only one FOREST CLIENT
MUST BE responsibility of one and only one ORG UNIT
MAY BE described by one and only one SILV ADMIN ZONE
MUST BE described by one and only one SILV BASE CODE
MAY BE recorded for one or more SILV PROJECT COMMENT LINK
MUST BE describes one and only one SILV PROJECT STATUS CODE
MUST BE described by one and only one UNIT BID CODE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

PROJ	Primary	Y
SILVICULTURE PROJECT ID		

Notes:

2006-01-05 R.A.Robb (Rls 3.0)
- added

SITE CLASS CODE

Entity Name:	SITE INDEX SOURCE CODE			<i>Short Name:</i>	SISC
<i>Plural:</i>	SITE INDEX SOURCE CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>		

Description:

A code describing the source, or origin, of the estimated site index.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SITE INDEX SOURCE CODE		N	VARCHAR2	1
A code describing the source, or origin, of the estimated site index.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a Site Index one or more FOREST COVER

MAY BE Describes a Site Index Source one or more FOREST COVER ARCHIVE

MAY BE Describes a one or more OPENING

* = *Relationships in primary unique identifier.*

Unique Identifiers:

SISC_PK	Primary	Y
SITE INDEX SOURCE CODE		

Entity Name: SITE PREPARATION RSLT		Short Name:	ATUSPR
Plural:	SITE PREPARATION RSLT		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:
Subtype of:	ACTIVITY TREATMENT UNIT		

Description:
Collects planned and actual information about a Site Preparation activity performed on an Activity Treatment Unit

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
TARGET PREPARED SPOTS		Y	NUMBER	4,0
the number of well-spaced (preferred and acceptable) trees per hectare that will, in normal circumstances, produce an optimal Free Growing crop.				
* = <i>Attributes in primary unique identifier.</i>				

Notes:
2006-02-08 R.A.Robb (Rls 3.0)
- added

Entity Name: SPAR REQUEST		<i>Short Name:</i>	SPARR
<i>Plural:</i>	SPAR REQUEST		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A request for services to be provided. There are many types of requests (e.g. Seedling Requests, Seed Withdrawals, Tests and Evaluations, etc.). A request may be for several Items. Each Item may have several Services.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* REQUEST SKEY		N	NUMBER	10
A surrogate key to uniquely identify each Spar Request.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE itemized by one or more REQUEST ITEM

* = Relationships in primary unique identifier.

Unique Identifiers:

SPARR	Primary	Y
REQUEST SKEY		

Notes:

- 2006-05-01 R.A.Robb (Rls 3.0)
- added soley for relationship to PLANTING RSLT (OWNER=SPAR)

Entity Name: STANDARDS REGIME

Short Name:

SR

Plural: STANDARDS REGIME

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The standards to which the Licensee must adhere to for the silviculture of the cut block.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STANDARDS REGIME ID		N	NUMBER	10,0
Unique identifier for the STANDARD REGIME entry.				
2003/01/10 HS: Changed the attribute name from REGIME ID to STANDARDS REGIME ID				
STANDARDS REGIME NAME		Y	VARCHAR2	50
A descriptive name of the type of STANDARD being tracked.				
2003/01/10 HS: Changed the attribute name from REGIME NAME to STANDARDS REGIME NAME.				
2003/08/01 HS: Changed the optionality of this column as identified in Change Request 21.				
STANDARDS OBJECTIVE		Y	VARCHAR2	50
Describes the objective of the standards.				
2003/01/14 HS: Created and will replace relationship to STANDARDS OBJECTIVE CODE.				
MOF DEFAULT STANDARD IND		N	VARCHAR2	1
Indicates whether the Stocking Standard was created by District, Region, or Headquarters staff.				
REGEN DELAY OFFSET YRS		Y	NUMBER	2,0
The number of years allowed for the regeneration of tree growth.				
Jan 17 2003 Changed the length from 3 to 2.				
jan 27 2003 wc Changed name from REGEN DELAY to REGEN DELAY OFFSET YRS				
REGEN OBLIGATION IND		N	VARCHAR2	1
A yes/no indicator indicating if this standard is for a regeneration obligation..				
Jan 20 2003 wc Added attribute				
2003/05/12 HS - Change the format from CHAR(1) to VARCHAR2(1)				
Allowable Values of Attribute				
N				
Y				
NO REGEN EARLY OFFSET YRS		Y	NUMBER	2,0
The minimum or early regen number of years.				
Jan 20 2003 wc Added attribute				
jan 27 2003 wc Changed name from REGEN EARLY YEARS to NO REGEN EARLY OFFSET YRS				
NO REGEN LATE OFFSET YRS		Y	NUMBER	2,0
The maximum or late years of regen growth.				
Jan 20 2003 wc Added attribute				
jan 27 2003 wc Changed name from REGEN LATE YEARS to NO REGEN LATE OFFSET YRS				
FREE GROWING EARLY OFFSET YRS		Y	NUMBER	2,0
The minimum or early growth number of years.				
Jan 17 2003 Changed the length from 3 to 2.				
jan 27 2003 wc Changed name from FREE GROWING EARLY YEARS to FREE GROWING EARLY OFFSET YRS				
FREE GROWING LATE OFFSET YRS		Y	NUMBER	2,0
The maximum or late years of tree growth.				
Jan 17 2003 Changed the length from 3 to 2.				
jan 27 2003 wc Changed name from FREE GROWING LATE YEARS to FREE GROWING LATE OFFSET YRS				
GEOGRAPHIC DESCRIPTION		Y	VARCHAR2	50
A description of the geographic area for which standard are being set.				
APPROVED BY USERID		Y	VARCHAR2	30

Entity Name:	STANDARDS REGIME (cont'd)	Short Name:	SR
	The userid of the resource that approved the standard regime definition.		
APPROVED DATE		Y	DATE
	The date the standard regime definition was approved.		
	2006-01-12 R.A.Robb (Rls 3.0)		
	- added attribute		
SUBMITTED BY USERID		Y	VARCHAR2 30
	The userid of the resource that submitted the standard regime definition.		
	Jan 21 2003 wc Added Attribute		
SUBMITTED DATE		Y	DATE
	The date and time the standard regime definition was submitted.		
	2006-01-12 R.A.Robb (Rls 3.0)		
	- added attribute		
EFFECTIVE DATE		Y	DATE
	The date upon which this standard goes into effect.		
	Feb 04 2003 wc Changed from mandatory to optional		
EXPIRY DATE		Y	DATE
	The date this standard is no longer available for use by new openings.		
	Feb 04 2003 wc Changed from mandatory to optional		
ADDITIONAL STANDARDS		Y	VARCHAR2 4000
	A free-format text field to allow for the definition of additional standards.		
	2004-01-17 (R.A.Robb) RESULTS 2.0		
	- Maxlength changed from 2000 to 4000		
REJECT NOTE		Y	VARCHAR2 2000
	A free-format text field allowing for the documentation of why a submitted standard was rejected.		
ENTRY USERID		N	VARCHAR2 30
	The USERID of the individual who entered the information.		
ENTRY TIMESTAMP		N	DATE
	The date and time the information was entered.		
UPDATE USERID		N	VARCHAR2 30
	The USERID of the individual who last updated the information.		
UPDATE TIMESTAMP		N	DATE
	The date and time of the last update.		
REVISION COUNT		N	NUMBER 5,0
	Internal counter used by the system to avoid conflicting updates to the record.		
	* = Attributes in primary unique identifier.		

Relationships:

Each Occurrence Of This Entity:

MAY BE reviews one and only one RESULTS INBOX PREVIEW

MAY BE legislated by one and only one SILV STATUTE CODE

MAY BE legislated by one and only one SILV STATUTE CODE

MAY BE documented by one or more STANDARDS REGIME ATTACHMENT

MAY BE used by one or more STANDARDS REGIME CLIENT

MAY BE having layer standards defined by one or more STANDARDS REGIME LAYER

MAY BE used by District one or more STANDARDS REGIME ORG UNIT

MAY BE created for one or more STANDARD REGIME SITE SERIES

MUST BE References a Regime Status one and only one STANDARDS REGIME STATUS CODE

MUST BE References a Regime Status one and only one STANDARDS REGIME STATUS CODE

MAY BE used to classify one or more STOCKING STANDARD UNIT

Entity Name:	STANDARDS REGIME (cont'd)	<i>Short Name:</i>	SR
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MAY BE used to classify one or more STOCKING STANDARD UNIT

MAY BE used to classify one or more STOCKING STANDARD UNIT AMD

* = *Relationships in primary unique identifier.*

Unique Identifiers:

SR	Primary	Y
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STANDARDS REGIME ID

Notes:

- 2003/01/14 HS: Dropped relationship to STANDARDS OBJECTIVE CODE and STANDARDS REGIME TYPE CODE.
- 2006-01-12 R.A.Robb (Rls 3.0)
- added SUBMITTED DATE and APPROVED DATE
 - dropped CLIENT NUMBER, CLIENT LOCN CODE, ORG UNIT NO (now 1:M in related entities STANDARDS REGIME CLIENT and STANDARDS REGIME ORG UNIT)

Entity Name: STANDARDS REGIME ATTACH FILE			Short Name: SRATTACHF
Plural: STANDARDS REGIME ATTACH FILE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Supports attachment of supporting documentation to proposed or submitted FDP or FSP stocking standards proposals.

This entity could have been implemented as an attribute of STANDARDS REGIME ATTACHMENT, however, MoFR standards dictate modeling with more of a physical slant. The splitting of the entity in the first place is required by DBA to enable them store the attachment data in a different tablespace apart from other attributes which may change more often, causing reorganization of the table.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ATTACHMENT DATA		N	IMAGE	
The actual attached data. May be binary data such as multimedia documents or images.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE documents one and only one STANDARDS REGIME ATTACHMENT
- * = Relationships in primary unique identifier.

Unique Identifiers:

RA	Primary	Y
MUST BE documents one and only one STANDARDS REGIME ATTACHMENT		

Notes:

2006-01-05 R.A.Robb (Rls 3.0)
- added

Entity Name: STANDARDS REGIME ATTACHMENT**Short Name:** SRATTACH**Plural:** STANDARDS REGIME ATTACHMENT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Supports attachment of supporting documentation to proposed or submitted FDP or FSP stocking standards proposals.

The actual attachment data is STANDARDS REGIME ATTACH FILE due to DBA preference (see description in that entity).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STANDARDS REGIME ATTACH ID		N	NUMBER	10,0
A system generated key to uniquely identify an occurrence of a standards regime attachment.				
ATTACHMENT NAME		N	VARCHAR2	50
The file name of the attached document.				
ATTACHMENT DESCRIPTION		Y	VARCHAR2	120
A short description concerning the attached data or the rationale for attaching the data.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MAY BE content described by one and only one MIME TYPE CODE

MUST BE documents one and only one STANDARDS REGIME

MUST BE documented by one and only one STANDARDS REGIME ATTACH FILE

* = Relationships in primary unique identifier.

Unique Identifiers:

SAL Primary Y

STANDARDS REGIME ATTACH ID

Notes:

2006-01-05 R.A.Robb (Rls 3.0)

- added

Entity Name:	STANDARDS REGIME CLIENT	Short Name:	SRCLI
Plural:	STANDARDS REGIME CLIENT		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Defines the clients of the Ministry who may apply the standard to a Standards Unit of an Opening.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE used by one and only one FOREST CLIENT
- * MUST BE uses one and only one STANDARDS REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

SRCLI	Primary	Y
MUST BE used by one and only one FOREST CLIENT		
MUST BE uses one and only one STANDARDS REGIME		

Notes:

2006-01-05 R.A.Robb (Rls 3.0)
- added

Entity Name: STANDARDS REGIME LAYER

Short Name:

SRL

Plural: STANDARDS REGIME LAYER

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Standards Regime Layer identifies the standards that have been identified for the BGC zone, subzone, site series and the forest cover layer.

These standards are first identified at the Provincial level and could also be identified for a specific client location or variance.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STANDARDS REGIME LAYER ID		N	NUMBER	10,0
Unique identifier for the STANDARD REGIME LAYER entry. <i>2003/01/13 HS: Created.</i>				
RESIDUAL BASAL AREA		Y	NUMBER	5,0
The planned residual basal area in square meters per hectare. <i>2003/01/13 HS: Changed the name from BASAL AREA to RESIDUAL BASAL AREA to stay insync with STOCKING LAYER entity.</i> <i>Feb 04 2003 wc Changed length from 3 to 5</i>				
MIN HORIZONTAL DISTANCE		Y	NUMBER	3,1
The minimum number of well spaced trees per hectare allowed meter horizontally. <i>2003/01/13 HS: Changed the name from MIN HORIZ to MIN HORIZONTAL DISTANCE to align to STOCKING LAYER's attribute.</i> <i>Feb 04 2003 wc Changed length from 3, 0 to 3, 1</i>				
MIN PREF STOCKING STANDARD		Y	NUMBER	5,0
The minimum number of well spaced trees per hectare, of preferred species only, that must be present to be considered SR or FG. <i>2003/01/13 HS: Change the name from MIN PREF to MIN PREF STOCKING STANDARD to align to STOCKING LAYER's attribute name.</i> <i>Feb 04 2003 wc Changed length from 3 to 5</i>				
MIN STOCKING STANDARD		Y	NUMBER	5,0
The minimum number of well spaced trees per hectare (of preferred and acceptable species) that must be present to be considered SR or FG. <i>2003/01/13 HS: Change the name from MIN WELL SPACED TREES to MIN STOCKING STANDARD to align to STOCKING LAYER's attribute.</i> <i>Feb 04 2003 wc Changed length from 3 to 5</i>				
TARGET STOCKING		Y	NUMBER	5,0
The number of well spaced (preferred or acceptable) trees per hectare that will, in normal circumstances, produce an optimal FG crop. Target standards are the standards which silviculture activities are aimed at achieving. <i>2003/01/13 HS: Change the name from TARGET WELLSPACED TREES to TARGET STOCKING to align to STOCKING LAYER's attribute.</i> <i>Feb 04 2003 wc Changed length from 3 to 5</i>				
MIN POST SPACING		Y	NUMBER	10,0
The minimum number of trees allowed for post spacing density for the layer per hectare. <i>2003/01/13 HS: Changed the name from MIN POST SPACING DENSITY to MIN POST SPACING to align to STOCKING LAYER's attribute name.</i> <i>Feb 04 2003 wc Changed length from 3 to 10</i>				
MAX POST SPACING		Y	NUMBER	10,0
The maximum number of trees allowed for post spacing density per hectare. <i>2003/01/13 HS: Changed the name from MAX POST SPACING DENSITY to MAX POST SPACING to align to STOCKING LAYER's attribute name.</i> <i>Feb 04 2003 wc Changed length from 3 to 10</i>				
MAX CONIFER		Y	NUMBER	10,0

Entity Name:	STANDARDS REGIME LAYER (cont'd)	Short Name:	SRL
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The maximum number of coniferous trees allowed per hectare for this layer.

2003/01/13 HS: Changed the name from MAX CONIFEROUS STEMS PER HA to MAX CONIFER to align to STOCKING LAYER's attribute.

Feb 04 2003 wc Changed length from 3 to 10

HGHT RELATIVE TO COMP	Y	NUMBER	4,0
The height allowed relative to comp.			
REVISION COUNT	N	NUMBER	5,0
Internal counter used by the system to avoid conflicting updates to the record.			
ENTRY USERID	N	VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP	N	DATE	
The date and time the information was entered.			
UPDATE USERID	N	VARCHAR2	30
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP	N	DATE	
The date and time of the last update.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

MUST BE defining standards for layers of one and only one STANDARDS REGIME

MAY BE having standards for species identified for one or more STANDARDS REGIME LAYER SPECIES

MUST BE references a one and only one STOCKING LAYER CODE

MAY BE references a one and only one TREE SIZE UNIT CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

SRL	Primary	Y
STANDARDS REGIME LAYER ID		

Notes:

Feb 12 2003 wc Dropped DBH_RANGE_MIN, DBH_MIN and DBH_MAX

2003/02/27 DM: Dropped HGHT_RELATIVE_TO_COMP_PCT

Entity Name: STANDARDS REGIME LAYER SPECIES*Short Name:*

SRLS

Plural: STANDARDS REGIME LAYER SPECIES*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

The Standard Layer Species and minimum growing heights for a standards regime.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPECIES ORDER		N	NUMBER	5,0
The order in which the species should be stocked within the STANDARDS REGIME LAYER.				
PREFERRED IND		N	VARCHAR2	1
A yes/no indication of whether this is the Preferred or Actual Tree Species.				
MIN HEIGHT		Y	NUMBER	3,1
The species minimum height restrictions for the layer.				
2003/01/13 HS: Changed the name from HEIGHT to MIN HEIGHT.				
2006-02-07 R.A.Robb (Release 3.0)				
- Optional=Yes				
REVISION COUNT		N	NUMBER	5,0
The number of times this entry has been modified. Used in the web pages to determine if the data has been modified since first retrieved.				
ENTRY USERID		N	VARCHAR2	30
The userid of the resource who first entered the data.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was added.				
UPDATE USERID		N	VARCHAR2	30
The userid of the resource who last modified the data.				
UPDATE TIMESTAMP		N	DATE	
The date and time the data was last modified.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

- * MUST BE References a Tree Species one and only one SILV TREE SPECIES CODE
 - * MUST BE identifying species standards for one and only one STANDARDS REGIME LAYER
- * = Relationships in primary unique identifier.

Unique Identifiers:

SRLS Primary Y

MUST BE identifying species standards for one and only one STANDARDS REGIME LAYER

MUST BE References a Tree Species one and only one SILV TREE SPECIES CODE

Notes:

Jan 24 2003 wc Remove PREFERRED_IND from primary key

2006-02-07 R.A.Robb (Release 3.0)

- Modified MIN_HEIGHT (Optional=Yes)

Entity Name: STANDARDS REGIME ORG UNIT*Short Name:*

SRORG

Plural: STANDARDS REGIME ORG UNIT*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Defines the Ministry org units that may apply the standard to a Standards Unit of an Opening.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE used by District one and only one ORG UNIT
- * MUST BE uses one and only one STANDARDS REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

SRORG

Primary Y

MUST BE uses one and only one STANDARDS REGIME

MUST BE used by District one and only one ORG UNIT

Notes:

2006-01-05 R.A.Robb (Rls 3.0)

- added

Entity Name: STANDARDS REGIME SITE SERIES

Short Name:

SRSS

Plural: STANDARD REGIME SITE SERIES

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The site series or serieses that may be covered by the Standard Regime defined.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STANDARD REGIME SITE SERIES ID		N	NUMBER	10,0
System generated value uniquely identifying the Standard Regime Site Series.				
BEC REGION CODE		Y	VARCHAR2	3
A code identifying the biogeoclimatic region.				
<i>Jan 24 2003 wc Added Attribute BEC REGION</i>				
<i>Jan 27 2003 wc Changed attribute to BEC REGION CODE, VARCHAR2 3</i>				
BGC ZONE CODE		Y	VARCHAR2	4
A large geographic area with a broadly homogeneous macroclimate which influences the development of vegetation and soil.				
<i>2002/12/27 HS: Added the BGC attributes rather than using a reference as the BGC information is only initially validated.</i>				
<i>2003/01/14 HS: Set the maximum size.</i>				
BGC SUBZONE CODE		Y	VARCHAR2	3
A code for the bio-geoclimatic sub-zone for the area.				
<i>2002/12/27 HS: Added the BGC attributes rather than using a reference as the BGC information is only initially validated.</i>				
<i>2003/01/14 HS: Set the maximum size.</i>				
BGC VARIANT		Y	VARCHAR2	1
A code for the biogeoclimatic variant. A division of the BGC Subzone on the basis of differences in floristic composition of the zonal ecosystem, but usually on the basis of differences in the cover and vigour of the plant species.				
<i>2002/12/27 HS: Added the BGC attributes rather than using a reference as the BGC information is only initially validated.</i>				
<i>2003/01/14 HS: Set the maximum size.</i>				
BGC PHASE		Y	VARCHAR2	1
A code for the biogeoclimatic phase. Accomodates the variation, resulting from local relief, in the regional climate of the subzones and variants.				
<i>2002/12/27 HS: Added the BGC attributes rather than using a reference as the BGC information is only initially validated.</i>				
<i>2003/01/14 HS: Set the maximum size.</i>				
BEC SITE SERIES		Y	VARCHAR2	4
A code for the biogeoclimatic site series. Site series is the consideration of all ecosystems capable of producing vegetation belonging to the same plant association at climax.				
A code for a site series which is defined as all land areas capable of producing vegetation belonging to the same plant association (or sometimes, subassociation) within a biogeoclimatic subzone or variant. Two-digit numeric codes are usually forested site series; four-character alphanumeric codes are non-forested site series including wetlands, grasslands, talus, rock outcrops, etc. Any two-digit numeric codes for non-forested site series will be migrated to the alphanumeric codes whenever field guides are updated.				
<i>2002/12/27 HS: Added the BGC attributes rather than using a reference as the BGC information is only initially validated.</i>				
<i>2003/01/14 HS: Set the maximum size.</i>				
<i>Jan 24 2003 wc Change name from BGC SITE SERIES to BEC SITE SERIES</i>				
<i>2006-02-02 R.A.Robb (Release 3.0)</i>				
<i>- modified maxlength from 2 to 4</i>				

- changed BEC SITE TYPE maxlength from 2 to 3 to match source attribute BEC SITE SERIES.SITE SERIES PHASE CD

Entity Name:	STANDARDS REGIME STATUS CODE	Short Name:	SRSC
Plural:	STANDARDS REGIME STATUS CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The status of the STANDARD REGIME. Starts out as submitted and must be approved by an authorized resource prior to being used for a submission.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STANDARDS REGIME STATUS CODE		N	VARCHAR2	3
The status of the STANDARD REGIME. Starts out as submitted and must be approved by an authorized resource prior to being used for a submission.				
2002/12/17 HS Changed length from 2 to 3				
Jan 22 2003 wc Changed name from REGIME STATUS CODE to STANDARDS REGIME STATUS CODE				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a Regime Status one or more STANDARDS REGIME

MAY BE Describes a Regime Status one or more STANDARDS REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

RSC_PK	Primary	Y
STANDARDS REGIME STATUS CODE		

Notes:

2003/01/10 HS: Changed the entity name from REGIME STATUS CODE to STANDARDS REGIME STATUS CODE.

Entity Name: STOCKING CLASS CODE		<i>Short Name:</i>	SCC1
<i>Plural:</i>	STOCKING CLASS CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The stocking class code for the primary tree species in the previous stand (for the area under the prescription).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING CLASS CODE		N	VARCHAR2	1
The stocking class code for the primary tree species in the previous stand (for the area under the prescription).				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a one or more FOREST COVER

MAY BE Describes a one or more FOREST COVER ARCHIVE

MAY BE Describes a Stock Class one or more OPENING

* = Relationships in primary unique identifier.

Unique Identifiers:

SCC1_PK	Primary	Y
STOCKING CLASS CODE		

Entity Name: STOCKING COMMENT LINK			Short Name:	SCL
Plural:	STOCKING COMMENT LINK			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Stores the standards unit surrogate key for a particular comment.

Attributes:

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

- Relationships:
- Each Occurrence Of This Entity:
- * MUST BE Links one and only one SILVICULTURE COMMENT
 - * MUST BE Links one and only one STOCKING STANDARD UNIT
 - MUST BE Links one and only one STOCKING STANDARD UNIT
 - * = Relationships in primary unique identifier.

Unique Identifiers:

SCL2_UK	Primary	N
MUST BE Links one and only one SILVICULTURE COMMENT		
SCL2_PK	Primary	Y
MUST BE Links one and only one STOCKING STANDARD UNIT		
MUST BE Links one and only one SILVICULTURE COMMENT		

Notes:

2003/01/13 HS: Changed name from SU CMT LNK to STOCKING CMT LNK.

Jan 21 2003 wc Changed name from STOCKING CMT LNK to STOCKING COMMENT LINK.

Entity Name: STOCKING ECOLOGY

Short Name:

SE

Plural: STOCKING ECOLOGY

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Primarily a classification of the land base in terms of biogeoclimatic and physical factors.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING ECOLOGY ID		N	NUMBER	10,0
System generated value uniquely identifying the SU Ecology (Eco Strata).				
2003/01/13 HS: Changed the name from ECO STRATA ID to STOCKING ECOLOGY ID.				
BEC REGION CODE		Y	VARCHAR2	3
A code identifying the biogeoclimatic region.				
Jan 24 2003 wc Added Attribute BEC REGION				
Jan 27 2003 wc Changed Attribute to BEC REGION CODE, VARCHAR2 3				
BGC ZONE CODE		Y	VARCHAR2	4
A large geographic area with a broadly homogeneous macroclimate which influences the development of vegetation and soil.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC SUBZONE CODE		Y	VARCHAR2	3
A code for the bio-geoclimatic sub-zone for the area.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC VARIANT		Y	VARCHAR2	1
A code for the biogeoclimatic variant. A division of the BGC Subzone on the basis of differences in floristic composition of the zonal ecosystem, but usually on the basis of differences in the cover and vigour of the plant species.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC PHASE		Y	VARCHAR2	1
A code for the biogeoclimatic phase. Accomodates the variation, resulting from local relief, in the regional climate of the subzones and variants.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BEC SITE SERIES		Y	VARCHAR2	4
A code for the biogeoclimatic site series. Site series is the consideration of all ecosystems capable of producing vegetation belonging to the same plant association at climax.				
A code for a site series which is defined as all land areas capable of producing vegetation belonging to the same plant association (or sometimes, subassociation) within a biogeoclimatic subzone or variant. Two-digit numeric codes are usually forested site series; four-character alphanumeric codes are non-forested site series including wetlands, grasslands, talus, rock outcrops, etc. Any two-digit numeric codes for non-forested site series will be migrated to the alphanumeric codes whenever field guides are updated.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
Jan 24 2003 wc Change name from BGC SITE SERIES to BEC SITE SERIES				
2006-02-02 R.A.Robb (Release 3.0)				
- modified maxlength from 2 to 4				
BEC SITE TYPE		Y	VARCHAR2	3
A code for the biogeoclimatic site type. Site type is the partitionment of the site series according to one or more critical site factors thought to affect ecosystem response to management treatments.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
Jan 24 2003 wc Change name from BGC SITE TYPE to BEC SITE TYPE				
2006-03-21 R.A.Robb (Rls 3.0)				

Entity Name:	STOCKING ECOLOGY (cont'd)	Short Name:	SE
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- changed maxlength from 2 to 3 to match source attribute BEC SITE SERIES.SITE SERIES PHASE CD

BEC SERAL	Y	VARCHAR2	4
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The seral (often termed successional) classification in BEC is an integration of site and vegetation classifications with structural stage development.

2006-02-17 R.A.Robb (Rls 2.4)
- Added

REVISION COUNT	N	NUMBER	5,0
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Internal counter used by the system to avoid conflicting updates to the record.

ENTRY USERID	N	VARCHAR2	30
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The USERID of the individual who entered the information.

ENTRY TIMESTAMP	N	DATE	
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The date and time the information was entered.

UPDATE USERID	N	VARCHAR2	30
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The USERID of the individual who last updated the information.

UPDATE TIMESTAMP	N	DATE	
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The date and time of the last update.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE Describes ecological area of one and only one OPENING

MUST BE Occurs Within one and only one STOCKING STANDARD UNIT

MUST BE Occurs Within one and only one STOCKING STANDARD UNIT

* = Relationships in primary unique identifier.

Unique Identifiers:

I1\$ SU ECOLOGY	Primary	N
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MUST BE Occurs Within one and only one STOCKING STANDARD UNIT

SE_PK	Primary	Y
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STOCKING ECOLOGY ID

Notes:

2002/10/21 LAS: Renamed as per Tony D.

2006-02-17 R.A.Robb (Rls 2.4)
- Added BEC SERAL

2006-02-02 R.A.Robb (Release 3.0)
- modified BEC SITE SERIES maxlength from 2 to 4

2006-03-21 R.A.Robb (Rls 3.0)
- changed BEC SITE TYPE maxlength from 2 to 3 to match source attribute BEC SITE SERIES.SITE SERIES PHASE CD

Entity Name: STOCKING ECOLOGY AMD

Short Name:

SEAMD

Plural: STOCKING ECOLOGY AMDS

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Contains Stocking Ecology information for Openings in an Amended Status.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING ECOLOGY ID		N	NUMBER	10,0
System generated value uniquely identifying the SU Ecology (Eco Strata).				
2003/01/13 HS: Changed the name from ECO STRATA ID to STOCKING ECOLOGY ID.				
BEC REGION CODE		Y	VARCHAR2	3
A code identifying the biogeoclimatic region.				
Jan 24 2003 wc Added Attribute BEC REGION				
Jan 27 2003 wc Changed Attribute to BEC REGION CODE, VARCHAR2 3				
BGC ZONE CODE		Y	VARCHAR2	4
A large geographic area with a broadly homogeneous macroclimate which influences the development of vegetation and soil.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC SUBZONE CODE		Y	VARCHAR2	3
A code for the bio-geoclimatic sub-zone for the area.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC VARIANT		Y	VARCHAR2	1
A code for the biogeoclimatic variant. A division of the BGC Subzone on the basis of differences in floristic composition of the zonal ecosystem, but usually on the basis of differences in the cover and vigour of the plant species.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC PHASE		Y	VARCHAR2	1
A code for the biogeoclimatic phase. Accommodates the variation, resulting from local relief, in the regional climate of the subzones and variants.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BEC SITE SERIES		Y	VARCHAR2	4
A code for the biogeoclimatic site series. Site series is the consideration of all ecosystems capable of producing vegetation belonging to the same plant association at climax.				
A code for a site series which is defined as all land areas capable of producing vegetation belonging to the same plant association (or sometimes, subassociation) within a biogeoclimatic subzone or variant. Two-digit numeric codes are usually forested site series; four-character alphanumeric codes are non-forested site series including wetlands, grasslands, talus, rock outcrops, etc. Any two-digit numeric codes for non-forested site series will be migrated to the alphanumeric codes whenever field guides are updated.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
Jan 24 2003 wc Change name from BGC SITE SERIES to BEC SITE SERIES				
2006-02-02 R.A.Robb (Release 3.0)				
- modified maxlength from 2 to 4				
BEC SITE TYPE		Y	VARCHAR2	3
A code for the biogeoclimatic site type. Site type is the partitionment of the site series according to one or more critical site factors thought to affect ecosystem response to management treatments.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
Jan 24 2003 wc Change name from BGC SITE TYPE to BEC SITE TYPE				
2006-03-21 R.A.Robb (Rls 3.0)				

Entity Name:	STOCKING ECOLOGY AMD (cont'd)	Short Name:	SEAMD
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- changed BEC SITE TYPE maxlength from 2 to 3 to match source attribute BEC SITE SERIES.SITE SERIES PHASE CD

BEC SERAL	Y	VARCHAR2	4
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The seral (often termed successional) classification in BEC is an integration of site and vegetation classifications with structural stage development.

2006-02-17 R.A.Robb (Rls 2.4)
- Added

REVISION COUNT	N	NUMBER	5,0
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Internal counter used by the system to avoid conflicting updates to the record.

ENTRY USERID	N	VARCHAR2	30
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The USERID of the individual who entered the information.

ENTRY TIMESTAMP	N	DATE	
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The date and time the information was entered.

UPDATE USERID	N	VARCHAR2	30
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The USERID of the individual who last updated the information.

UPDATE TIMESTAMP	N	DATE	
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The date and time of the last update.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MUST BE Describes ecological area of one and only one OPENING
- MUST BE amends one and only one OPENING
- MUST BE Occurs Within one and only one STOCKING STANDARD UNIT
- MUST BE occurs within one and only one STOCKING STANDARD UNIT AMD
- * = Relationships in primary unique identifier.

Unique Identifiers:

- | | | |
|---------------------|---------|---|
| I1\$ SU ECOLOGY AMD | Primary | N |
|---------------------|---------|---|
- MUST BE Occurs Within one and only one STOCKING STANDARD UNIT
- | | | |
|----------|---------|---|
| SEAMD_PK | Primary | Y |
|----------|---------|---|
- STOCKING ECOLOGY ID

Notes:

- 2004-03-25 R.A.Robb Created for release 1.3.
- 2006-02-17 R.A.Robb (Rls 2.4)
- Added BEC SERAL
- 2006-03-21 R.A.Robb (Rls 3.0)
- changed BEC SITE TYPE maxlength from 2 to 3 to match source attribute BEC SITE SERIES.SITE SERIES PHASE CD

Entity Name: STOCKING ECOLOGY ARCHIVE

Short Name:

SEARC

Plural: STOCKING ECOLOGY ARCHIVE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Contains archived geometry information for a Stocking Standard amendment.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING ECOLOGY ID		N	NUMBER	10,0
System generated value uniquely identifying the SU Ecology (Eco Strata).				
2003/01/13 HS: Changed the name from ECO STRATA ID to STOCKING ECOLOGY ID.				
OPENING ID		N	NUMBER	10
Opening id of opening this archive record was associated with.				
BEC REGION CODE		Y	VARCHAR2	3
A code identifying the biogeoclimatic region.				
Jan 24 2003 wc Added Attribute BEC REGION				
Jan 27 2003 wc Changed Attribute to BEC REGION CODE, VARCHAR2 3				
BGC ZONE CODE		Y	VARCHAR2	4
A large geographic area with a broadly homogeneous macroclimate which influences the development of vegetation and soil.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC SUBZONE CODE		Y	VARCHAR2	3
A code for the bio-geoclimatic sub-zone for the area.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC VARIANT		Y	VARCHAR2	1
A code for the biogeoclimatic variant. A division of the BGC Subzone on the basis of differences in floristic composition of the zonal ecosystem, but usually on the basis of differences in the cover and vigour of the plant species.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BGC PHASE		Y	VARCHAR2	1
A code for the biogeoclimatic phase. Accomodates the variation, resulting from local relief, in the regional climate of the subzones and variants.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
BEC SITE SERIES		Y	VARCHAR2	4
A code for the biogeoclimatic site series. Site series is the consideration of all ecosystems capable of producing vegetation belonging to the same plant association at climax.				
A code for a site series which is defined as all land areas capable of producing vegetation belonging to the same plant association (or sometimes, subassociation) within a biogeoclimatic subzone or variant. Two-digit numeric codes are usually forested site series; four-character alphanumeric codes are non-forested site series including wetlands, grasslands, talus, rock outcrops, etc. Any two-digit numeric codes for non-forested site series will be migrated to the alphanumeric codes whenever field guides are updated.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
Jan 24 2003 wc Change name from BGC SITE SERIES to BEC SITE SERIES				
2006-02-02 R.A.Robb (Release 3.0)				
- modified maxlength from 2 to 4				
BEC SITE TYPE		Y	VARCHAR2	3
A code for the biogeoclimatic site type. Site type is the partitionment of the site series according to one or more critical site factors thought to affect ecosystem response to management treatments.				
2002/12/27 HS: Changed the BGC attributes from mandatory to optional.				
Jan 24 2003 wc Change name from BGC SITE TYPE to BEC SITE TYPE				

Entity Name:	STOCKING ECOLOGY ARCHIVE (cont'd)	Short Name:	SEARC
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2006-03-21 R.A.Robb (Rls 3.0)
- changed BEC SITE TYPE maxlength from 2 to 3 to match source attribute BEC SITE SERIES.SITE SERIES PHASE CD

BEC SERAL	Y	VARCHAR2	4
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The seral (often termed successional) classification in BEC is an integration of site and vegetation classifications with structural stage development.

2006-02-17 R.A.Robb (Rls 2.4)
- Added

REVISION COUNT	N	NUMBER	5,0
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Internal counter used by the system to avoid conflicting updates to the record.

ENTRY USERID	N	VARCHAR2	30
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The USERID of the individual who entered the information.

ENTRY TIMESTAMP	N	DATE	
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The date and time the information was entered.

UPDATE USERID	N	VARCHAR2	30
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The USERID of the individual who last updated the information.

UPDATE TIMESTAMP	N	DATE	
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The date and time of the last update.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- * MUST BE occurs within one and only one STOCKING STANDARD UNIT ARCHIVE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SEARC_PK	Primary	Y
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STOCKING ECOLOGY ID
MUST BE occurs within one and only one STOCKING STANDARD UNIT ARCHIVE

Entity Name: STOCKING EVENT HISTORY			<i>Short Name:</i>	SEH
<i>Plural:</i>	STOCKING EVENT HISTORY			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Records amendments to stocking standards

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING EVENT HISTORY ID		N	NUMBER	10
Unique identifier for a stocking standard amendment event				
SUBMITTED USERID		Y	VARCHAR2	30
The USERID of the person who submitted the amendment.				
RESULTS SUBMISSION ID		Y	NUMBER	10
ESF submission ID				
AMEND EVENT TIMESTAMP		N	DATE	
The date and time the amendment was made				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
REVISION COUNT		N	NUMBER	5,0
Internal counter used by the system to avoid conflicting updates to the record.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE references one and only one OPENING

MAY BE references one and only one OPENING AMENDMENT HISTORY

MUST BE is identified by one and only one RESULTS AUDIT ACTION CODE

MAY BE has archived standard one or more STOCKING STANDARD UNIT ARCHIVE

* = Relationships in primary unique identifier.

Unique Identifiers:

SEH_PK	Primary	Y
STOCKING EVENT HISTORY ID		

Notes:

Added 2007-03-14: BM

Entity Name: STOCKING LAYER

Short Name:

SL

Plural: STOCKING LAYER

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Details the standards unit layer information.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING LAYER ID		N	NUMBER	10
The unique identifier for the STOCKING LAYER				
MIN HORIZONTAL DISTANCE		Y	NUMBER	3,1
Te minimum allowable horizontal distance in metres between trees of the preferred and acceptable species, which is required to be considered to be well-spaced.				
2002/12/20 DM Changed name from MIN HRZNTL SPACING to MIN HORIZONTAL DISTANCE.				
2003/01/13 HS: Changed optional from NO to YES.				
MIN PREF STOCKING STANDARD		Y	NUMBER	5,0
The minimum number of well spaced trees per hectare, of preferred species only, that must be present for the standards unit to be considered SR or FG.				
2002/12/20 DM Changed name from MIN PREF STOCKING to MIN PREF STOCKING STANDARD.				
2003/01/13 HS: Changed optional from NO to YES.				
MIN STOCKING STANDARD		Y	NUMBER	5,0
The minimum number of well spaced trees per hectare (of preferred and acceptable species) that must be present for the standards unit to be considered SR or FG.				
2002/12/20 DM Changed name from MIN STOCKING to MIN STOCKING STANDARD.				
2003/01/13 HS: Changed optional from NO to YES.				
MIN POST SPACING		Y	NUMBER	10,0
The minimum number of well spaced coniferous trees per hectare to be retained following maximum density spacing.				
2003/01/13 HS: Changed optional from NO to YES.				
RESIDUAL BASAL AREA		Y	NUMBER	5,0
The residual basal area to be left after harvesting in m2/ha. Understood to refer to the mature layer only.				
2003/01/13 HS: Changed optional from NO to YES.				
TARGET STOCKING		Y	NUMBER	5,0
The number of well spaced (preferred or acceptable) trees per hectare that will, in normal circumstances, produce an optimal FG crop. Target stocking standards are the standards which silviculture activities are aimed at achieving.				
2003/01/13 HS: Changed optional from NO to YES.				
HGHT RELATIVE TO COMP		Y	NUMBER	5,0
The height of the tree relative to competing vegetation, within a radius of one metre of the tree trunk, that must be met by a healthy well spaced tree of a preferred or acceptable species at FG.				
2002/12/20 DM Changed name from TREE SIZE to HEIGHT RELATIVE TO COMPETITION				
2003/01/13 HS: Changed the name from HEIGHT RELATIVE TO COMPETITION to HGHT RELATIVE TO COMP so that it aligns with STANDARDS REGIME LAYER's attribute naming convention.				
Changed optional from NO to YES.				
MAX CONIFER		Y	NUMBER	10,0
The maximum allowable stand density of total countable conifers in order to achieve free growing status.				
2002/12/20 DM Changed name from MAX DENSITY to MAX CONIFER.				
2003/01/13 HS: Changed optional from NO to YES.				
MAX POST SPACING		Y	NUMBER	10,0
The maximum number of well spaced coniferous trees per hectare to be retained following				

Entity Name:	STOCKING LAYER (cont'd)	Short Name:	SL
	maximum density spacing.		
	2003/01/13 HS: Changed optional from NO to YES.		
ENTRY USERID	N VARCHAR2	30	
	The USERID of the individual who entered the information.		
ENTRY TIMESTAMP	N DATE		
	The date and time the information was entered.		
UPDATE USERID	N VARCHAR2	30	
	The USERID of the individual who last updated the information.		
UPDATE TIMESTAMP	N DATE		
	The date and time of the last update.		
REVISION COUNT	N NUMBER	5,0	
	A counter identifying the number of times this record as been modified.		
	Used in the web page access to determine if the record as been modified since the data was first retrieved.		
	* = Attributes in primary unique identifier.		

Relationships:

Each Occurrence Of This Entity:

MUST BE Belongs to one and only one OPENING

MUST BE References a Stocking Layer one and only one STOCKING LAYER CODE

MAY BE containing species of one or more STOCKING LAYER SPECIES

MUST BE Has one and only one STOCKING STANDARD UNIT

MUST BE Has one and only one STOCKING STANDARD UNIT

MAY BE having tree size unit identified by one and only one TREE SIZE UNIT CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

SL_PK Primary Y

STOCKING LAYER ID

Notes:

2002/12/27 HS: Removed unique key I1\$ STOCKING LAYER (opening) as not true.

Removed unique key SL_UK (stocking standard) as not true.

2003/01/13 HS: Removed attribute MIN PRUNE HEIGHT.

Feb 12 2003 wc Dropped DBH_RANGE_MIN, DBH_MIN and DBH_MAX

Entity Name: STOCKING LAYER AMD

Short Name:

SLAMD

Plural: STOCKING LAYER AMD

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Contains Stocking Layer information for Openings in Amended Status.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* STOCKING LAYER ID		N NUMBER	10
The unique identifier for the STOCKING LAYER			
MIN HORIZONTAL DISTANCE		Y NUMBER	3,1
Te minimum allowable horizontal distance in metres between trees of the preferred and acceptable species, which is required to be considered to be well-spaced.			
2002/12/20 DM Changed name from MIN HRZNTL SPACING to MIN HORIZONTAL DISTANCE.			
2003/01/13 HS: Changed optional from NO to YES.			
MIN PREF STOCKING STANDARD		Y NUMBER	5,0
The minimum number of well spaced trees per hectare, of preferred species only, that must be present for the standards unit to be considered SR or FG.			
2002/12/20 DM Changed name from MIN PREF STOCKING to MIN PREF STOCKING STANDARD.			
2003/01/13 HS: Changed optional from NO to YES.			
MIN STOCKING STANDARD		Y NUMBER	5,0
The minimum number of well spaced trees per hectare (of preferred and acceptable species) that must be present for the standards unit to be considered SR or FG.			
2002/12/20 DM Changed name from MIN STOCKING to MIN STOCKING STANDARD.			
2003/01/13 HS: Changed optional from NO to YES.			
MIN POST SPACING		Y NUMBER	10,0
The minimum number of well spaced coniferous trees per hectare to be retained following maximum density spacing.			
2003/01/13 HS: Changed optional from NO to YES.			
RESIDUAL BASAL AREA		Y NUMBER	5,0
The residual basal area to be left after harvesting in m2/ha. Understood to refer to the mature layer only.			
2003/01/13 HS: Changed optional from NO to YES.			
TARGET STOCKING		Y NUMBER	5,0
The number of well spaced (preferred or acceptable) trees per hectare that will, in normal circumstances, produce an optimal FG crop. Target stocking standards are the standards which silviculture activities are aimed at achieving.			
2003/01/13 HS: Changed optional from NO to YES.			
HGHT RELATIVE TO COMP		Y NUMBER	5,0
The height of the tree relative to competing vegetation, within a radius of one metre of the tree trunk, that must be met by a healthy well spaced tree of a preferred or acceptable species at FG.			
2002/12/20 DM Changed name from TREE SIZE to HEIGHT RELATIVE TO COMPETITION			
2003/01/13 HS: Changed the name from HEIGHT RELATIVE TO COMPETITION to HGHT RELATIVE TO COMP so that it aligns with STANDARDS REGIME LAYER's attribute naming convention.			
Changed optional from NO to YES.			
MAX CONIFER		Y NUMBER	10,0
The maximum allowable stand density of total countable conifers in order to achieve free growing status.			
2002/12/20 DM Changed name from MAX DENSITY to MAX CONIFER.			
2003/01/13 HS: Changed optional from NO to YES.			
MAX POST SPACING		Y NUMBER	10,0
The maximum number of well spaced coniferous trees per hectare to be retained following			

Entity Name:	STOCKING LAYER AMD (cont'd)	<i>Short Name:</i>	SLAMD
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maximum density spacing.

2003/01/13 HS: Changed optional from NO to YES.

ENTRY USERID	N	VARCHAR2	30
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The USERID of the individual who entered the information.

ENTRY TIMESTAMP	N	DATE	
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The date and time the information was entered.

UPDATE USERID	N	VARCHAR2	30
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The USERID of the individual who last updated the information.

UPDATE TIMESTAMP	N	DATE	
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The date and time of the last update.

REVISION COUNT	N	NUMBER	5,0
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A counter identifying the number of times this record as been modified.

Used in the web page access to determine if the record as been modified since the data was first retrieved.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE Belongs to one and only one OPENING

MUST BE describes current amendment one and only one OPENING

MUST BE References a Stocking Layer one and only one STOCKING LAYER CODE

MUST BE describes current amendment one and only one STOCKING LAYER CODE

MAY BE containing species of one or more STOCKING LAYER SPECIES

MAY BE containing species of one or more STOCKING LAYER SPECIES AMD

MUST BE Has one and only one STOCKING STANDARD UNIT

MUST BE is for one and only one STOCKING STANDARD UNIT AMD

MAY BE having tree size unit audited by one and only one TREE SIZE UNIT CODE

MAY BE having tree size unit identified by one and only one TREE SIZE UNIT CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

SLAMD_PK	Primary	Y
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STOCKING LAYER ID

Notes:

2004-03-25 R.A.Robb Created for release 1.3.

Entity Name: STOCKING LAYER ARCHIVE

Short Name:

SLARC

Plural: STOCKING LAYER ARCHIVE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Contains archived layer information for a Stocking Standard amendment.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING LAYER ID		N	NUMBER	10
The unique identifier for the STOCKING LAYER				
OPENING ID		N	NUMBER	10
Opening id of opening this archive record was associated with.				
MIN HORIZONTAL DISTANCE		Y	NUMBER	3,1
Te minimum allowable horizontal distance in metres between trees of the preferred and acceptable species, which is required to be considered to be well-spaced.				
2002/12/20 DM Changed name from MIN HRZNTL SPACING to MIN HORIZONTAL DISTANCE.				
2003/01/13 HS: Changed optional from NO to YES.				
MIN PREF STOCKING STANDARD		Y	NUMBER	5,0
The minimum number of well spaced trees per hectare, of preferred species only, that must be present for the standards unit to be considered SR or FG.				
2002/12/20 DM Changed name from MIN PREF STOCKING to MIN PREF STOCKING STANDARD.				
2003/01/13 HS: Changed optional from NO to YES.				
MIN STOCKING STANDARD		Y	NUMBER	5,0
The minimum number of well spaced trees per hectare (of preferred and acceptable species) that must be present for the standards unit to be considered SR or FG.				
2002/12/20 DM Changed name from MIN STOCKING to MIN STOCKING STANDARD.				
2003/01/13 HS: Changed optional from NO to YES.				
MIN POST SPACING		Y	NUMBER	10,0
The minimum number of well spaced coniferous trees per hectare to be retained following maximum density spacing.				
2003/01/13 HS: Changed optional from NO to YES.				
RESIDUAL BASAL AREA		Y	NUMBER	5,0
The residual basal area to be left after harvesting in m2/ha. Understood to refer to the mature layer only.				
2003/01/13 HS: Changed optional from NO to YES.				
TARGET STOCKING		Y	NUMBER	5,0
The number of well spaced (preferred or acceptable) trees per hectare that will, in normal circumstances, produce an optimal FG crop. Target stocking standards are the standards which silviculture activities are aimed at achieving.				
2003/01/13 HS: Changed optional from NO to YES.				
HGHT RELATIVE TO COMP		Y	NUMBER	5,0
The height of the tree relative to competing vegetation, within a radius of one metre of the tree trunk, that must be met by a healthy well spaced tree of a preferred or acceptable species at FG.				
2002/12/20 DM Changed name from TREE SIZE to HEIGHT RELATIVE TO COMPETITION				
2003/01/13 HS: Changed the name from HEIGHT RELATIVE TO COMPETITION to HGHT RELATIVE TO COMP so that it aligns with STANDARDS REGIME LAYER's attribute naming convention.				
Changed optional from NO to YES.				
MAX CONIFER		Y	NUMBER	10,0
The maximum allowable stand density of total countable conifers in order to achieve free growing status.				
2002/12/20 DM Changed name from MAX DENSITY to MAX CONIFER.				
2003/01/13 HS: Changed optional from NO to YES.				

Entity Name: STOCKING LAYER ARCHIVE (cont'd)		Short Name:	SLARC
MAX POST SPACING	Y NUMBER	10,0	
The maximum number of well spaced coniferous trees per hectare to be retained following maximum density spacing.			
2003/01/13 HS: Changed optional from NO to YES.			
ENTRY USERID	N VARCHAR2	30	
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP	N DATE		
The date and time the information was entered.			
UPDATE USERID	N VARCHAR2	30	
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP	N DATE		
The date and time of the last update.			
REVISION COUNT	N NUMBER	5,0	
A counter identifying the number of times this record as been modified.			
Used in the web page access to determine if the record as been modified since the data was first retrieved.			
* = Attributes in primary unique identifier.			

Relationships:

- Each Occurrence Of This Entity:
- MUST BE is identified by one and only one STOCKING LAYER CODE
- MAY BE contains species of one or more STOCKING LAYER SPECIES ARCHIVE
- * MUST BE belongs to one and only one STOCKING STANDARD UNIT ARCHIVE
- MAY BE is identified by one and only one TREE SIZE UNIT CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

- SLARC_PKPrimary Y
- STOCKING LAYER ID
- MUST BE belongs to one and only one STOCKING STANDARD UNIT ARCHIVE

Entity Name: STOCKING LAYER CODE		<i>Short Name:</i>	SLC
<i>Plural:</i>	STOCKING LAYER CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A code that identifies the forested layer within the Standards Unit to which the preferred/acceptable species information relates.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING LAYER CODE		N	VARCHAR2	2
A code that identifies the forested layer within the Standards Unit to which the preferred/acceptable species information relates.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes a Layer one or more STANDARDS REGIME LAYER

MAY BE Describes a Stocking Layer one or more STOCKING LAYER

MAY BE describes one or more STOCKING LAYER AMD

MAY BE identifies one or more STOCKING LAYER ARCHIVE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

SLC_PK	Primary	Y
STOCKING LAYER CODE		

Entity Name: STOCKING LAYER SPECIES

Short Name:

SLS

Plural: STOCKING LAYER SPECIES

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The species of trees and vegetation included in the STOCKING LAYER

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPECIES ORDER		N	NUMBER	5,0
The order in which the species should be stocked within the STOCKING LAYER.				
PREFERRED IND		N	VARCHAR2	1
A yes/no indication of whether this is the Preferred or Acceptable Tree Species.				
<i>Jan 22 2003 wc Changed Description from Preferred or Actual Tree Species to Preferred or Acceptable Tree Species.</i>				
MIN HEIGHT		Y	NUMBER	3,1
The minimum height that a healthy well spaced tree must be, to be considered free growing.				
Minimum heights vary by species and by site series.				
<i>2003/01/13 HS: Changed the name from PREV HEIGHT to MIN HEIGHT.</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

- * MUST BE References a Silv Species one and only one SILV TREE SPECIES CODE
- * MUST BE identify species association for one and only one STOCKING LAYER
- * = Relationships in primary unique identifier.

Unique Identifiers:

SLS Primary Y

MUST BE identify species association for one and only one STOCKING LAYER

MUST BE References a Silv Species one and only one SILV TREE SPECIES CODE

Notes:

Jan 24 2003 wc Remove PREFERRED_IND from primary key

Entity Name: STOCKING LAYER SPECIES AMD

Short Name:

SLSAMD

Plural: STOCKING LAYER SPECIES AMD

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Contains Stocking Layer Species information for Openings in an Amended Status.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPECIES ORDER		N	NUMBER	5,0
The order in which the species should be stocked within the STOCKING LAYER.				
PREFERRED IND		N	VARCHAR2	1
A yes/no indication of whether this is the Preferred or Acceptable Tree Species.				
<i>Jan 22 2003 wc Changed Description from Preferred or Actual Tree Species to Preferred or Acceptable Tree Species.</i>				
MIN HEIGHT		Y	NUMBER	3,1
The minimum height that a healthy well spaced tree must be, to be considered free growing.				
Minimum heights vary by species and by site series.				
<i>2003/01/13 HS: Changed the name from PREV HEIGHT to MIN HEIGHT.</i>				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
A counter identifying the number of times this record as been modified.				
Used in the web page access to determine if the record as been modified since the data was first retrieved.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE References a Silv Species one and only one SILV TREE SPECIES CODE
- * MUST BE is of species one and only one SILV TREE SPECIES CODE
- * MUST BE identify species association for one and only one STOCKING LAYER
- * MUST BE identify species association for one and only one STOCKING LAYER AMD

* = Relationships in primary unique identifier.

Unique Identifiers:

SLSAMD_PK

Primary Y

MUST BE identify species association for one and only one STOCKING LAYER

MUST BE References a Silv Species one and only one SILV TREE SPECIES CODE

MUST BE is of species one and only one SILV TREE SPECIES CODE

MUST BE identify species association for one and only one STOCKING LAYER AMD

Notes:

2004-03-25 R.A.Robb Created for release 1.3.

Entity Name: STOCKING LAYER SPECIES ARCHIVE

Short Name:

SLSARC

Plural: STOCKING LAYER SPECIES ARCHIVE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Contains archived layer species information for a Stocking Standard amendment.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
SPECIES ORDER		N NUMBER	5,0
The order in which the species should be stocked within the STOCKING LAYER.			
PREFERRED IND		N VARCHAR2	1
A yes/no indication of whether this is the Preferred or Acceptable Tree Species.			
<i>Jan 22 2003 wc Changed Description from Preferred or Actual Tree Species to Preferred or Acceptable Tree Species.</i>			
MIN HEIGHT		Y NUMBER	3,1
The minimum height that a healthy well spaced tree must be, to be considered free growing.			
Minimum heights vary by species and by site series.			
<i>2003/01/13 HS: Changed the name from PREV HEIGHT to MIN HEIGHT.</i>			
ENTRY USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP		N DATE	
The date and time the information was entered.			
UPDATE USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP		N DATE	
The date and time of the last update.			
REVISION COUNT		N NUMBER	5,0
A counter identifying the number of times this record as been modified.			
Used in the web page access to determine if the record as been modified since the data was first retrieved.			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE is identified by one and only one SILV TREE SPECIES CODE
 - * MUST BE identify species association for one and only one STOCKING LAYER ARCHIVE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SLSARC_PK Primary Y

MUST BE is identified by one and only one SILV TREE SPECIES CODE

MUST BE identify species association for one and only one STOCKING LAYER ARCHIVE

Entity Name: STOCKING MILESTONE**Short Name:** SM**Plural:** STOCKING MILESTONE**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

Silviculture milestones that have been achieved for a specific area (SU - Standards Unit). The milestones that are currently tracked are post harvest, regeneration and free growing.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
DUE EARLY DATE		Y	DATE	
The earliest year the milestone is to be declared.				
2003/01/10 HS: Added this attribute.				
Jan 24 2003 wc Changed name from DUE EARLY YEARS to DUE EARLY DATE and changed to a Date format				
DUE LATE DATE		Y	DATE	
The latest year the milestone is to be declared.				
2003/01/10 HS: Added this attribute				
Jan 24 2003 wc Changed name from DUE LATE YEARS to DUE LATE DATE and changed to a Date format				
2003/02/27 DM: Modified the field to allow NULLS.				
EARLY OFFSET YEARS		Y	NUMBER	2,0
The number of years, after the start of harvest, when free-growing may first be declared.				
Jan 17 2003 Changed the length from 5 to 2.				
Jan 24 2003 wc Changed name from EARLY YEARS to EARLY OFFSET YEARS				
2003 Mar 13 wc Changed from mandatory to optional.				
LATE OFFSET YEARS		Y	NUMBER	2,0
The number of years, after the start of harvest, by which free-growing must be achieved.				
Jan 17 2003 Changed the length from 5 to 2.				
Jan 24 2003 wc Changed name from LATE YEARS to LATE OFFSET YEARS				
Apr 23 2003 HS Made this field optional as a milestone type of Post Harvest will not have this field populated.				
DECLARE IND		Y	VARCHAR2	1
A system generated flag 'Y/N' which is determined from the polygons which comprise the Standards Unit. If all polygons within the SU are declared free growing then 'Y' is displayed. If all SU's are declared FG then the opening can be declared FG.				
A Y/N flag indicating whether or not the given Standards unit within the prescription has been declared regenerated.				
2003/01/10 HS: Change the optional from NO to YES.				
2003/01/14 HS: Set the maximum length.				
DECLARATION SUBMITTED DATE		Y	DATE	
The date that the Milestone declaration was recorded electronically at the Ministry.				
2006-02-02 R.A.Robb Rls 3.0				
- added				
DECLARED DATE		Y	DATE	
The date that the Stocking Standard achieved the Milestone, not necessarily when it was recorded electronically at the Ministry.				
Previous descriptions from IDD:				
- The date the post harvest information was declared.				
- The date on which the Standards Unit was declared regenerated.				
- An enterable date at which the Standards Unit was declared free growing. This date cannot be in the future. The last date of declaration for all SU's will become the opening free growing date.				
DECLARED USERID		Y	VARCHAR2	30
The userid of the resource who declared the post harvest information.				
2003/01/14 HS: Set the maximum length.				
ENTRY USERID		N	VARCHAR2	30

Entity Name:	STOCKING MILESTONE (cont'd)	Short Name:	SM
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The USERID of the individual who entered the information. 2003/01/14 HS: Set the maximum length.			
ENTRY TIMESTAMP	N	DATE	
The date and time the information was entered.			
UPDATE USERID	N	VARCHAR2	30
The USERID of the individual who last updated the information. 2003/01/14 HS: Set the maximum length.			
UPDATE TIMESTAMP	N	DATE	
The date and time of the last update.			
REVISION COUNT	N	NUMBER	5,0
Internal counter used by the system to avoid conflicting updates to the record.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

- MAY BE submitted through one and only one RESULTS ELECTRONIC SUBMISSION
- * MUST BE identified by one and only one SILV MILESTONE TYPE CODE
- MAY BE Is Linked by one or more STOCKING MILESTONE CMT LINK
- * MUST BE identified for one and only one STOCKING STANDARD UNIT
- MUST BE identified for one and only one STOCKING STANDARD UNIT
- * = Relationships in primary unique identifier.

Unique Identifiers:

SM_PK	Primary	Y
MUST BE identified for one and only one STOCKING STANDARD UNIT		
MUST BE identified by one and only one SILV MILESTONE TYPE CODE		

Notes:

- 2002/12/16 HS: Milestone information pulled out of SU STOCKING STANDARD and placed in its own entity.
- 2003/01/10 HS: Change the entity name from MILESTONE to STOCKING MILESTONE
- Jan 24 2003 wc Dropped attribute DELAY YEARS
- 2006-02-02 R.A.Robb Rls 3.0
- added DECLARATION SUBMITTED DATE

Entity Name:	STOCKING MILESTONE CMT LINK	Short Name:	SMCL
Plural:	STOCKING MILESTONE CMT LINK		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:
Stores the stocking milestone surrogate key for a particular comment.

Attributes:

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

Relationships:
Each Occurrence Of This Entity:

- * MUST BE Links one and only one SILVICULTURE COMMENT
- * MUST BE Links one and only one STOCKING MILESTONE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SMCL_UK	Primary	N
MUST BE Links one and only one SILVICULTURE COMMENT		
SMLC_PK	Primary	Y
MUST BE Links one and only one STOCKING MILESTONE		
MUST BE Links one and only one SILVICULTURE COMMENT		

Notes:
Jan 22 2003 wc Added Entity

MUST BE amends geometry for one and only one STOCKING STANDARD UNIT AMD

MUST BE spatially describes one and only one STOCKING STANDARD UNIT ARCHIVE

MUST BE spatially describes one and only one STOCKING STANDARD UNIT

Entity Name: STOCKING STANDARD UNIT

Short Name:

SSU

Plural: STOCKING STANDARD UNIT

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Basic Silviculture objective stated in quantifiable terms for a specific area. These are the acceptable standards for reforestation and soil conversation. Also known as SU - Standards Unit.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING STANDARD UNIT ID		N	NUMBER	10,0
System generated value uniquely identifying the stocking standards.				
2003/01/28 HS: Changed STOCKING ID to STOCKING STANDARD UNIT ID				
STANDARDS UNIT ID		N	VARCHAR2	4
A unique identifier within the opening that identifies the standard unit. At least one standards unit per opening is required.				
NET AREA		N	NUMBER	7,1
A value in hectares for the net area to be reforested (NAR). The NAR is the total area under the prescription (TAUP) minus the area or no planned reforestation (NPR).				
2002/12/20 DM Changed name from TREATABLE AREA to NET AREA				
MAX ALLOW SOIL DISTURBANCE PCT		Y	NUMBER	3,1
This is the maximum soil disturbance. The maximum proportion of the net area to be reforested which will be occupied by soil disturbance, following harvest; or following rehab where required.				
2002/12/20 DM Changed name from MAX SOIL DISTURBANCE PCT to MAX ALLOW SOIL DISTURBANCE PCT				
VARIANCE IND		Y	VARCHAR2	1
A yes/no indicator indicating if this stocking standard is for a variance or not.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
REVISION COUNT		N	NUMBER	5,0
Internal counter used by the system to avoid conflicting updates to the record.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MAY BE Has one or more FOREST COVER

MUST BE is Part of one and only one OPENING

MAY BE Abide to one and only one STANDARDS REGIME

MAY BE Is linked by one or more STOCKING COMMENT LINK

MAY BE Identifies one and only one STOCKING ECOLOGY

MAY BE Is Described by one or more STOCKING LAYER

MAY BE defined one or more STOCKING MILESTONE

MAY BE spatially described by one and only one STOCKING STANDARD GEOMETRY

* = Relationships in primary unique identifier.

Unique Identifiers:

SSU_PK

Primary Y

Entity Name:	STOCKING STANDARD UNIT (cont'd)	Short Name:	SSU
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STOCKING STANDARD UNIT ID

Notes:

2002/10/21 LAS: Entity renamed as per instruction from Tony D. Was Standard Presc

2002/11/07 LAS: Entity renamed as per initial data model review. Was Stocking Standard.

2002/12/24 HS: Removed the following attributes as they now reside within MILESTONE entity: REGEN YEARS, EARLY FG YEARS, LATE FG YEARS, SU REGEN IND, SU REGEN USERID, SU REGEN DATE, SU FREE GROW IND, SU FREE GROW DATE, SU FREE GROW USERID, POST HARVEST DECLARED DATE and POST HARVEST DECLARED USERID.

2003/01/13 HS: Changed name from SU STOCKING STANDARD to STOCKING STANDARD.

2003/01/21 HS: Changed name from STOCKING STANDARD to STOCKING STANDARD UNIT.

Entity Name: STOCKING STANDARD UNIT AMD**Short Name:**

SSUAMD

Plural: STOCKING STANDARD UNIT AMD**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Contains Stocking Standard information for an Opening in Amended Status.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* STOCKING STANDARD UNIT ID		N NUMBER	10,0
System generated value uniquely identifying the stocking standards.			
2003/01/28 HS: Changed STOCKING ID to STOCKING STANDARD UNIT ID			
STANDARDS UNIT ID		N VARCHAR2	1
A unique identifier within the opening that identifies the standard unit. At least one standards unit per opening is required.			
NET AREA		N NUMBER	7,1
A value in hectares for the net area to be reforested (NAR). The NAR is the total area under the prescription (TAUP) minus the area or no planned reforestation (NPR).			
2002/12/20 DM Changed name from TREATABLE AREA to NET AREA			
MAX ALLOW SOIL DISTURBANCE PCT		Y NUMBER	3,0
This is the maximum soil disturbance. The maximum proportion of the net area to be reforested which will be occupied by soil disturbance, following harvest; or following rehab where required.			
2002/12/20 DM Changed name from MAX SOIL DISTURBANCE PCT to MAX ALLOW SOIL DISTURBANCE PCT			
REGEN DELAY OFFSET YRS		Y NUMBER	2,0
The number of years allowed for the regeneration of tree growth.			
Jan 17 2003 wc Changed the length from 3 to 2.			
Jan 20 2003 wc Added attribute			
Jan 27 2003 wc Change name from REGEN DELAY to REGEN DELAY OFFSET YRS			
REGEN OBLIGATION IND		N CHAR	1
A yes/no indicator indicating if this stocking standard is for a regeneration obligation.			
Jan 20 2003 wc Added attribute			
Allowable Values of Attribute			
N	No		
Y	Yes		
NO REGEN EARLY OFFSET YRS		Y NUMBER	2,0
The minimum or early regen number of years.			
Jan 20 2003 wc Added attribute			
Jan 27 2003 wc Change name from REGEN EARLY YEARS to NO REGEN EARLY OFFSET YRS			
NO REGEN LATE OFFSET YRS		Y NUMBER	2,0
The maximum or late years of regen growth.			
Jan 20 2003 wc Added attribute			
Jan 27 2003 wc Change name from REGEN LATE YEARS to NO REGEN LATE OFFSET YRS			
FREE GROWING EARLY OFFSET YRS		Y NUMBER	2,0
The minimum or early growth number of years.			
Jan 17 2003 Changed the length from 3 to 2.			
Jan 20 2003 wc Added attribute			
Jan 27 2003 wc Change name from FREE GROWING EARLY YEARS to FREE GROWING EARLY OFFSET YRS			
FREE GROWING LATE OFFSET YRS		Y NUMBER	2,0
The maximum or late years of tree growth.			
Jan 17 2003 Changed the length from 3 to 2.			
Jan 27 2003 wc Change name from FREE GROWING LATE YEARS to FREE GROWING LATE OFFSET YRS			
VARIANCE IND		Y VARCHAR2	1

Entity Name: STOCKING STANDARD UNIT AMD (cont'd)		Short Name:	SSUAMD
A yes/no indicator indicating if this stocking standard is for a variance or not.			
AMENDMENT RATIONALE COMMENT	Y VARCHAR2	2000	
A comment describing the rationale for an Amendment to a Stocking Standard.			
ENTRY USERID	N VARCHAR2	30	
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP	N DATE		
The date and time the information was entered.			
UPDATE USERID	N VARCHAR2	30	
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP	N DATE		
The date and time of the last update.			
REVISION COUNT	N NUMBER	5,0	
Internal counter used by the system to avoid conflicting updates to the record.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

- MAY BE Has one or more FOREST COVER
 - MUST BE amends one and only one OPENING
 - MUST BE is Part of one and only one OPENING
 - MAY BE Abide to one and only one STANDARDS REGIME
 - MAY BE abide to one and only one STANDARDS REGIME
 - MAY BE Is linked by one or more STOCKING COMMENT LINK
 - MAY BE Identifies one and only one STOCKING ECOLOGY
 - MAY BE to one and only one STOCKING ECOLOGY AMD
 - MAY BE Is Described by one or more STOCKING LAYER
 - MAY BE consists of one or more STOCKING LAYER AMD
 - MAY BE defined one or more STOCKING MILESTONE
 - MAY BE geometry amended by one and only one STOCKING STANDARD AMD GEOMETRY
- * = Relationships in primary unique identifier.

Unique Identifiers:

SSUAMD_PK	Primary	Y
STOCKING STANDARD UNIT ID		

Notes:

2004-03-25 R.A.Robb Created for release 1.3

Entity Name:	STOCKING STANDARD UNIT ARCHIVE			Short Name:	SSUARC
Plural:	STOCKING STANDARD UNIT ARCHIVE				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:		

Description:
Contains archived information about a Stocking Standard amendment.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STOCKING STANDARD UNIT ID		N	NUMBER	10,0
System generated value uniquely identifying the stocking standards.				
OPENING ID		N	NUMBER	10
Opening id of opening this archive record was associated with.				
STANDARDS UNIT ID		N	VARCHAR2	4
A unique identifier within the opening that identifies the standard unit. At least one standards unit per opening is required.				
STANDARDS REGIME ID		Y	NUMBER	10,0
Unique identifier for the STANDARD REGIME entry.				
2003/01/10 HS: Changed the attribute name from REGIME ID to STANDARDS REGIME ID				
NET AREA		N	NUMBER	7,1
A value in hectares for the net area to be reforested (NAR). The NAR is the total area under the prescription (TAUP) minus the area or no planned reforestation (NPR).				
MAX ALLOW SOIL DISTURBANCE PCT		Y	NUMBER	3,1
This is the maximum soil disturbance. The maximum proportion of the net area to be reforested which will be occupied by soil disturbance, following harvest; or following rehab where required.				
REGEN DELAY OFFSET YRS		Y	NUMBER	2,0
The number of years allowed for the regeneration of tree growth.				
REGEN OBLIGATION IND		N	CHAR	1
A yes/no indicator indicating if this stocking standard is for a regeneration obligation.				
Allowable Values of Attribute				
N	No			
Y	Yes			
NO REGEN EARLY OFFSET YRS		Y	NUMBER	2,0
The minimum or early regen number of years.				
NO REGEN LATE OFFSET YRS		Y	NUMBER	2,0
The maximum or late years of regen growth.				
FREE GROWING EARLY OFFSET YRS		Y	NUMBER	2,0
The minimum or early growth number of years.				
FREE GROWING LATE OFFSET YRS		Y	NUMBER	2,0
The maximum or late years of tree growth.				
VARIANCE IND		Y	VARCHAR2	1
A yes/no indicator indicating if this stocking standard is for a variance or not.				
AMENDMENT RATIONALE COMMENT		Y	VARCHAR2	2000
A comment describing the rationale for an Amendment to a Stocking Standard.				
ENTRY USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the information was entered.				
UPDATE USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
UPDATE TIMESTAMP		N	DATE	

Entity Name:	STOCKING STANDARD UNIT ARCHIVE (cont'd)	<i>Short Name:</i>	SSUARC
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The date and time of the last update.

REVISION COUNT	N	NUMBER	5,0
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Internal counter used by the system to avoid conflicting updates to the record.

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies one and only one STOCKING ECOLOGY ARCHIVE

* MUST BE archives amendment one and only one STOCKING EVENT HISTORY

MAY BE has one or more STOCKING LAYER ARCHIVE

MAY BE spatially described by one and only one STOCKING STANDARD GEOM ARCHIVE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

SSUARC_PK	Primary	Y
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MUST BE archives amendment one and only one STOCKING EVENT HISTORY
STOCKING STANDARD UNIT ID

Notes:

Added 2007-03-14: BM

SSC6

Init. Volume: Avg. Volume:

Annual Growth Rate:

A code to describe the previous stand type for the area under the prescription.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
STOCKING STATUS CODE		N	VARCHAR2	3
A code to describe the previous stand type for the area under the prescription.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = <i>Attributes in primary unique identifier.</i>				

Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

STOCKING STATUS CODE

SSTX

Annual Growth Rate:

STOCKING STATUS TYPE XREF ID

Entity Name: SURVEY RSLT		Short Name: ATUSR	
<i>Plural:</i>	SURVEY RSLT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>
<i>Subtype of:</i>	ACTIVITY TREATMENT UNIT		

Description:

Collects planned and actual information about a surveying activity performed on an Activity Treatment Unit

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SURVEY PLANNED NUM PLOTS		Y	NUMBER	4,0
The target number of plots to survey for the treatment area.				
SURVEY ACTUAL NUM PLOTS		Y	NUMBER	4,0
The actual number of plots surveyed for the treatment area.				
SURVEY MIN PLOTS PER STRATUM		Y	NUMBER	10,0
The minimum number of plots per stratum within the treatment area.				

* = *Attributes in primary unique identifier.*

Notes:

2006-02-08 R.A.Robb (Rls 3.0)
- added

Entity Name: TIMBER MARK		Short Name:	TM
Plural:	TIMBER MARK		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

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. See the FTAS data model for attribute names.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TIMBER MARK		N	VARCHAR2	6
Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.				
CUTTING PERMIT ID		N	VARCHAR2	3
Retrofitted from column CUTTING_PERMIT_ID of table TIMBER_MARK				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE specifying the harvest area by one or more CUT BLOCK
MUST BE Contained By one and only one PROV FOREST USE
* = Relationships in primary unique identifier.

Unique Identifiers:

TM_PK	Primary	Y
TIMBER MARK		

Notes:

2003/01/13 HS: Reduced to barebones that is needed by RESULTS. Completed details are accessible from FTAS.

Entity Name: TREATMENT REGIME*Short Name:*

TREG

Plural: TREATMENT REGIME*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Represents a complete set of generic Activities required to bring an Opening to Free Growing or to meet other specific milestones. Also defines future silviculture liabilities on Openings without an ATU Schedule and streamlines the building of ATU Schedules by acting as a template.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* TREATMENT REGIME ID		N NUMBER	10,0
A system generated key to uniquely identify an occurrence of Treatment Regime.			
TREATMENT REGIME NAME		N VARCHAR2	30
A user-assigned name for the treatment regime.			
BGC SUBZONE CODE		N VARCHAR2	3
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.			
BGC VARIANT		Y VARCHAR2	1
A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area within a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone.			
BGC PHASE		Y VARCHAR2	1
A one character code used to denote an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases are not unique. They only have meaning in combination with a specific Zone, Subzone and Variant.			
BEC SITE SERIES		Y VARCHAR2	4
A code for the biogeoclimatic site series. Site series is the consideration of all ecosystems capable of producing vegetation belonging to the same plant association at climax.			
A code for a site series which is defined as all land areas capable of producing vegetation belonging to the same plant association (or sometimes, subassociation) within a biogeoclimatic subzone or variant. Two-digit numeric codes are usually forested site series; four-character alphanumeric codes are non-forested site series including wetlands, grasslands, talus, rock outcrops, etc. Any two-digit numeric codes for non-forested site series will be migrated to the alphanumeric codes whenever field guides are updated.			
BEC SITE TYPE		Y VARCHAR2	3
A code for the biogeoclimatic site type. Site type is the partitionment of the site series according to one or more critical site factors thought to affect ecosystem response to management treatments.			
BEC SERAL		Y VARCHAR2	4
The seral (often termed successional) classification in BEC is an integration of site and vegetation classifications with structural stage development.			
ENTRY USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP		N DATE	
The date and time the information was entered.			
UPDATE USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP		N DATE	
The date and time of the last update.			
REVISION COUNT		N NUMBER	5,0
A counter identifying the number of times this record has been modified.			
Used in the web page access to determine if the record has been modified since the data			

Entity Name:	TREATMENT REGIME (cont'd)	Short Name:	TREG
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was first retrieved.

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

- MAY BE described by one and only one BEC SITE SERIES
 - MUST BE described by one and only one BGC ZONE CODE
 - MUST BE originated by one and only one ORG UNIT
 - MAY BE plans one or more TREATMENT REGIME ACTIVITY
- * = *Relationships in primary unique identifier.*

Unique Identifiers:

TREG	Primary	Y
TREATMENT REGIME ID		

Notes:

2006-01-05 R.A.Robb (Rls 3.0)
- added

Entity Name: TREATMENT REGIME ACTIVITY**Short Name:** TREGA**Plural:** TREATMENT REGIME ACTIVITY**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

A generic activity that may be completed toward meeting of a specific milestone or milestone(s), such as achieving Free Growing.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* TREATMENT REGIME ACTIVITY ID		N NUMBER	10,0
A system generated key to uniquely identify an occurrence of a Treatment Regime Activity.			
ACTIVITY START OFFSET YEARS		N NUMBER	2,0
Offset in years from a theoretical Start Date to when this activity would actually begin.			
ENTRY USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
ENTRY TIMESTAMP		N DATE	
The date and time the information was entered.			
UPDATE USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			
UPDATE TIMESTAMP		N DATE	
The date and time of the last update.			
REVISION COUNT		N NUMBER	5,0
A counter identifying the number of times this record has been modified.			
Used in the web page access to determine if the record has been modified since the data was first retrieved.			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE described by one and only one SILV BASE CODE

MAY BE described by one and only one SILV METHOD CODE

MAY BE described by one and only one SILV OBJECTIVE CODE

MAY BE described by one and only one SILV OBJECTIVE CODE

MAY BE described by one and only one SILV OBJECTIVE CODE

MAY BE described by one and only one SILV TECHNIQUE CODE

MUST BE planned for one and only one TREATMENT REGIME

* = Relationships in primary unique identifier.

Unique Identifiers:

TREGA Primary Y

TREATMENT REGIME ACTIVITY ID

Notes:

2006-01-05 R.A.Robb (Rls 3.0)

- added

Entity Name: TREE COVER PATTERN CODE			<i>Short Name:</i>	TCPC
<i>Plural:</i>	TREE COVER PATTERN CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The dispursion of trees over the area.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TREE COVER PATTERN CODE		N	VARCHAR2	1
The dispursion of trees over the area.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a Tree Cover Pattern one or more FOREST COVER

MAY BE Describes a Tree Cover Pattern one or more FOREST COVER ARCHIVE

* = Relationships in primary unique identifier.

Unique Identifiers:

TCPC_PK	Primary	Y
TREE COVER PATTERN CODE		

Entity Name: TREE SIZE UNIT CODE		Short Name:	TSUC
Plural:	TREE SIZE UNIT CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The unit of measure used for height relative to competition. Expressed either in number of centimetres above vegetation (cm), or percentage above vegetation (%).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TREE SIZE UNIT CODE		N	VARCHAR2	3
The unit of measure used for height relative to competition. Expressed either in number of centimetres above vegetation (cm), or percentage above vegetation (%).				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE referencing a one or more STANDARDS REGIME LAYER

MAY BE indicates tree size unit for one or more STOCKING LAYER

MAY BE audits tree size unit for one or more STOCKING LAYER AMD

MAY BE identifies one or more STOCKING LAYER ARCHIVE

* = Relationships in primary unique identifier.

Unique Identifiers:

TSUC_PK	Primary	Y
TREE SIZE UNIT CODE		

Entity Name: TREE SPECIES CODE			<i>Short Name:</i>	TSC
<i>Plural:</i>	TREE SPECIES CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The secondary tree species of Crown timber that was cut, damaged, destroyed or removed without authority

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TREE SPECIES CODE		N	VARCHAR2	3
The secondary tree species of Crown timber that was cut, damaged, destroyed or removed without authority				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is lo longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MAY BE contained within one or more FOREST COVER
 - MAY BE Contained within one or more FOREST COVER ARCHIVE
 - MAY BE Describes a Tree Species one or more FOREST COVER LAYER SPECIES
 - MAY BE Describes a Tree Species one or more FOREST COVER LAYER SPECIES ARCHIVE
 - MAY BE Describes a Tree Species one or more OPENING
 - MAY BE Describes a Tree Species one or more OPENING
 - MAY BE identifies one or more RESULTS SPECIES GROUP XREF
- * = Relationships in primary unique identifier.

Unique Identifiers:

TSC_PK	Primary	Y
TREE SPECIES CODE		

Entity Name: TSB NUMBER CODE		Short Name:	TNC1
Plural:	TSB NUMBER CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The number and name of the Timber Supply Blocks within the province.
Must be defined in relation to an existing Timber Supply Area.

Attributes:		<u>Opt</u>	<u>Format</u>	<u>Length</u>
<u>Name</u>	<u>Domain</u>			
* TSB NUMBER CODE		N	VARCHAR2	3
The unique code identifying a Timber Supply Block.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date after which the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes a TSA Number one or more OPENING

* = Relationships in primary unique identifier.

Unique Identifiers:

TNC1	Primary	Y
TSB NUMBER CODE		

Entity Name: UNIT BID CODE			Short Name:	UBCD
Plural:	UNIT BID CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

A code to denote the unit basis on which work was tendered (e.g. days, hectares).
Subset of UNIT OF MEASURE CODE.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* UNIT BID CODE		N	VARCHAR2	3
A code to denote the unit basis on which work was tendered (e.g. days, hectares). Subset of UNIT OF MEASURE CODE.				
DESCRIPTION		N	VARCHAR2	120
Full description of code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
EXPIRY DATE		N	DATE	
The date the value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more SILVICULTURE PROJECT

* = Relationships in primary unique identifier.

Unique Identifiers:

UBCD	Primary	Y
UNIT BID CODE		

Notes:

2006-02-02 R.A.Robb (Rls 3.0)
- added

Entity Name: VEG LOT			Short Name: VL	
<i>Plural:</i> VEG LOT				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:
A quantity of vegetation of a particular species and quality from a given location collected at a given time.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* VEG LOT ID		N	VARCHAR2	5
An identifier that is system generated by the system to uniquely identify this record.				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MAY BE cuttings planted for one or more PLANTING RSLT
* = Relationships in primary unique identifier.

Unique Identifiers:
VEG_LOT_PK Primary Y
VEG LOT ID

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