

Entity and Attribute Definitions Report

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Total Pages: 299
Total Entities: 261

Parameters

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

Entity Name: ADJUSTMENT CONTROL			<i>Short Name:</i>	AC
<i>Plural:</i>	ADJUSTMENT_CTL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The base parameters required for an appraisal adjustment period for MPS rate calculations.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
The method used to determine the appraisal being done. (e.g. 'C ' = Coast, 'I ' = Interior).				
* EFFECTIVE_DATE		N	DATE	
The date on which the adjustment becomes effective.				
MIN_STUMPAGE_RATE		N	NUMBER	3,2
The minimum amount per cubic metre to be charged for timber harvesting.				
DISCOUNT_PCT		N	NUMBER	3
The default discount percentage that applies to the stumpage rate for a given timber sale.				
COMPLETED_IND		N	CHAR	1
A flag indicating whether the adjustment for the effective period has been completed.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the adjustment record has been reviewed and approved.				
CONFIRM_TRANS_IND		N	CHAR	1
An indicator to prevent appraisal worksheet confirmation while an adjustment is in progress.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

AC_PK	Primary	Y
APPRAISAL_MTHD_CD		
EFFECTIVE_DATE		

Entity Name: ADS AMENDMENT

Short Name: ADSA

Plural: ADS AMENDMENT

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

Description:

APPRAISAL AMENDMENTS identify any changes (additions or deletions) of applicable area to a block included in an appraisal.

This are only entered for COASTAL APPRAISALS.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPROVAL DATE		N	DATE	
The date the amendment to the area was approved by the Region.				
AMENDMENT AREA		N	NUMBER	4,1
The area being added or removed from the appraisal.				
2002/10/22 LAS: Modified size of field due to excessive number previously. Includes 1 decimal point as per Robert G. email Oct 5/2002				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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:

MUST BE having amendment type identified by one and only one APPRAISAL AMENDMENT TYPE CODE

* MUST BE created for one and only one APPRAISAL DATA SUBMISSION

* MAY BE amending harvest area of one and only one CUT BLOCK

* = Relationships in primary unique identifier.

Unique Identifiers:

AA Primary Y

MUST BE created for one and only one APPRAISAL DATA SUBMISSION

MAY BE amending harvest area of one and only one CUT BLOCK

APPROVAL DATE

Entity Name: ADS AREA LOGGED**Short Name:** ADSAL**Plural:** ADS AREA LOGGED**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

The AREA LOGGED allows for the tracking of changes to the logged and unlogged area within the APPRAISAL FILE.

The unlogged area may change each year.

This is used only for Coast Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL YEAR		N	VARCHAR2	4
The year of the appraisal.				
AREA LOGGED		N	NUMBER	4,1
The hectares that were marked for logging for the identified appraisal year.				
APPLICABLE VOLUME		Y	NUMBER	7,0
The volume of the appraisal for the appraisal year. Measured in cubic metres.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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:

* MUST BE identified for one and only one APPRAISAL DATA SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

UA Primary Y

APPRAISAL YEAR

MUST BE identified for one and only one APPRAISAL DATA SUBMISSION

Entity Name: ADS ASSIGNED TO USER			<i>Short Name:</i>	AATU
<i>Plural:</i>	ADS ASSIGNED TO USERS			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Identifies the District users who have been assigned to an appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
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 unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
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:

- * MUST BE identified for one and only one APPRAISAL DATA SUBMISSION
- * MUST BE reviewed by one and only one MOF USER
- * MUST BE working in district of one and only one ORG UNIT

* = Relationships in primary unique identifier.

Unique Identifiers:

AATU	<i>Primary</i>	<i>Y</i>
<i>MUST BE identified for one and only one APPRAISAL DATA SUBMISSION</i>		
<i>MUST BE reviewed by one and only one MOF USER</i>		
<i>MUST BE working in district of one and only one ORG UNIT</i>		

Notes:

Added 2003/08/12 - jstorey

Entity Name: ADS BCTS LEVY COST**Short Name:**

ABLC

Plural: ADS BCTS LEVY COST**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

The ADS BCTS LEVY COST entity contains all the applicable levies for a BC Timber Sale in Interior Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
DEVELOPMENT LEVY		Y NUMBER	9,2
An additional charge against this appraisal data submission as a result of development costs being incurred.			
SILVICULTURE LEVY		Y NUMBER	9,2
An additional charge being applied against the appraisal data submission for silviculture.			
BONUS BID AMOUNT		Y NUMBER	9,2
The amount available for the bonus bid. Used on BCTS.			
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	80
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP		N DATE	
The date and time the entry was created.			
UPDATE USERID		N VARCHAR2	80
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:

- * MUST BE allocated for one and only one APPRAISAL DATA SUBMISSION
 - * MUST BE levy type identified by one and only one INTERIOR LOG GROUP CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

ABLC

Primary Y

MUST BE allocated for one and only one APPRAISAL DATA SUBMISSION

MUST BE levy type identified by one and only one INTERIOR LOG GROUP CODE

Entity Name: ADS BCTS MANDATORY UTILIZATION		Short Name:	ADSBMU
Plural:	ADS BCTS MANDATORY UTILIZATION		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Identifies the species and grade levels required for a BCTS Mandatory Utilization.
Used for Interior BCTS Appraisals only.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MISCELLANEOUS PRODUCT		Y	VARCHAR2	50
The applicable miscellaneous product that the species is being sold for use in.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
The unique id of the user who last modified this entry.				
UPDATE TIMESTAMP		N	DATE	
The date and time the entry was last modified.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE having species grade identified one or more ADS BCTS SPECIES GRADE

* MUST BE species grade identified for one and only one APPRAISAL DATA SUBMISSION

* MUST BE species identified by one and only one MANDATORY UTIL SPECIES GROUP CODE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

BMU	Primary	Y
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MUST BE species identified by one and only one MANDATORY UTIL SPECIES GROUP CODE

MUST BE species grade identified for one and only one APPRAISAL DATA SUBMISSION

Entity Name: ADS BCTS SPECIES GRADE		<i>Short Name:</i>	ADSBSG
<i>Plural:</i>	ADS BCTS SPECIES GRADE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Identifies the grades used for all species included in the BC Timber Sale for Interior.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ENTRY USERID		N	VARCHAR2	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE species grade identified for one and only one ADS BCTS MANDATORY UTILIZATION
- * MUST BE graded by one and only one MANDATORY UTIL SCALE GRADE CODE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

BSG	<i>Primary</i>	Y
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MUST BE species grade identified for one and only one ADS BCTS MANDATORY UTILIZATION

MUST BE graded by one and only one MANDATORY UTIL SCALE GRADE CODE

Entity Name: ADS BEC LINK

Short Name:

ABL

Plural: ADS BEC LINK

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

BEC types that occur within the appraised cutting authority.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ADS BEC ID		N	NUMBER	12
The unique identifier for the Appraisal Submission BEC occurrence. Created through the use of a sequence number.				
BGC ZONE CODE		N	VARCHAR2	4
A code identifying a Biogeoclimatic Zone for an appraisal submission				
BGC SUBZONE CODE		N	VARCHAR2	3
A code identifying a Biogeoclimatic Subzone for an appraisal submission				
VARIANT		Y	VARCHAR2	1
A code identifying a Biogeoclimatic Variant for an appraisal submission				
BEC OCCURANCE PCT		N	NUMBER	3
Percentage of appraised cutting authority land area in BEC zone.				
This is the percentage to show the balance between the first and second BEC zone areas for appraisal purposes. This percentage may not equal the absolute percentage by area of the BEC zones within the cutting permit boundaries.				
The percentage is not measuring all of the BEC zones that may be in the cutting permit boundary.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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 identified within one and only one BEC CODE TABLE

* MUST BE identified for one and only one INTERIOR APPRAISAL

* = Relationships in primary unique identifier.

Unique Identifiers:

ADBL

Primary Y

MUST BE identified for one and only one INTERIOR APPRAISAL

ADS BEC ID

Notes:

2005-11-15 BM: Added

Entity Name: ADS BRIDGE**Short Name:** ADSB**Plural:** ADS BRIDGE**Init. Volume:** Avg. Volume:**Max. Volume:****Annual Growth Rate:****Subtype of:** ADS DEVELOPMENT**Description:**

The BRIDGE Development Costs identify those items which will incur costs on behalf of the licensee in order to harvest the applicable volume for the appraisal file.

This details the summary cost per road section per bridge type.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BRIDGE ID		N	NUMBER	12,0
A unique line number for the entry.				
* APPRAISAL YEAR		N	VARCHAR2	4
The year the bridge development was conducted.				
STATION START POINT		N	NUMBER	6,0
The road section starting point where the bridge is located.				
STATION END POINT		N	NUMBER	6,0
The road section ending mark where the bridge ends.				
CRIB HEIGHT		Y	NUMBER	2,0
The height of the bridge.				
SPAN LENGTH		Y	NUMBER	2,0
The length of the bridge deck.				
CROWN PCT		Y	NUMBER	3,0
The percentage of the bridge development cost which the CROWN is responsible for.				
AMORTIZED PCT		Y	NUMBER	3,0
The percent of the development cost which is to be allocated to this appraisal.				
BRIDGE BUILT IND		Y	VARCHAR2	1
A yes/no indication of whether or not the bridge has been built.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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:

* MUST BE located upon one and only one ADS ROAD

MUST BE bridge type identified by one and only one BRIDGE TYPE CODE

MUST BE development type identified by one and only one ROAD DEVELOPMENT TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

ABRI_PK Primary Y

Entity Name:	ADS BRIDGE (cont'd)	Short Name:	ADSB
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BRIDGE ID
APPRAISAL YEAR
MUST BE located upon one and only one ADS ROAD

Entity Name: ADS COMMENT		<i>Short Name:</i>	AC1
<i>Plural:</i>	ADS COMMENT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A data file submitted to the ministry to create, or in support of, an appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
APPRAISAL_COMMENT		N	IMAGE	
Comments regarding appraisal data submission entered by licensee, district reviewer, or region reviewer.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

* MUST BE contains one and only one APPRAISAL DATA SUBMISSION

* = *Relationships in primary unique identifier.*

Unique Identifiers:

AC1	<i>Primary</i>	Y
<i>MUST BE contains one and only one APPRAISAL DATA SUBMISSION</i>		

Entity Name: ADS CULVERT**Short Name:** ADSCC**Plural:** ADS CULVERT**Init. Volume:** Avg. Volume:**Max. Volume:****Annual Growth Rate:****Subtype of:** ADS DEVELOPMENT**Description:**

The CULVERT entity contains summary detail about the cost of construction for culverts on roads accessed for the APPRAISAL FILE.

One entry is made for each culvert type.

For example for Coast, if during construction 12 - 9 meter metal culverts are required, 5 of 1 meter diameter and 7 of 1.2 meter diameter, there would be two entries made - one for the 1 meter diameter culverts with a total culvert length of 45 meters and one for the 1.2 meter diameter culverts with a total culvert length of 63 meters.

For Interior, the entries would be 1.0 meter culvert type, quantity used of 5, culvert length code of 9 and 1.2 meter culvert type, Culvert Length code of 9 and quantity used of 7.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* APPRAISAL YEAR		N VARCHAR2	4
The year in which the CULVERT construction was built.			
* CULVERT ID		N NUMBER	12,0
A unique identifier to for a culvert cost entry.			
TOTAL CULVERT LENGTH		Y NUMBER	4,0
The length of the CULVERT in meters. Only required for Metal Culverts.			
2002/12/04 LAS: Resized Total Culvert Length as a result of Tech Spec Review			
AMORTIZED PCT		Y NUMBER	3,0
The percent of the development cost which is to be allocated to this appraisal.			
CROWN PCT		Y NUMBER	3,0
The percentage of the cost that the CROWN is required to pay for the construction of this CULVERT.			
QUANTITY USED		Y NUMBER	3,0
The number of wooden culverts involved.			
UNIT COST PER METER		Y NUMBER	6,0
The dollar cost of the construction of the CULVERT per meter.			
For Wooden culverts, is always \$1,000.			
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	80
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP		N DATE	
The date and time the entry was created.			
UPDATE USERID		N VARCHAR2	80
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:

MUST BE culvert type identified by one and only one APPRAISAL CULVERT TYPE CODE

MAY BE diameter validated by one and only one VALID APPRAISAL CULVERT DIAMETER

Entity Name:	ADS CULVERT (cont'd)	Short Name:	ADSCC
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MAY BE length identified by one and only one VALID APPRAISAL CULVERT LENGTH
* = Relationships in primary unique identifier.

Unique Identifiers:

CUL	Primary	Y
CULVERT ID		
APPRAISAL YEAR		

Notes:

2002/12/04 LAS: Resized Total Culvert Length as a result of Tech Spec Review

Entity Name: ADS CUTTING AUTHORITY DETAIL**Short Name:** ADSCAD**Plural:** ADS CUTTING AUTHORITY DETAIL**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

The CUTTING AUTHORITY DETAILS entity contains the line items that make up the CUTTING AUTHORITY for a COAST APPRAISAL FILE.

For each cut block and point of origin, certain rates apply for towing and barging of the logs to the point of appraisal.

Costs are calculated and stored throughout the system.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
BLOCK VOLUME		Y	NUMBER	7,0
The volume of logs from the identified cut block being transported.				
TRUCK HAUL DISTANCE		Y	NUMBER	4,1
The distance the logs will be hauled from the geographic centre of the block to the nearest log dump.				
ROAD MAINTENANCE IND		Y	VARCHAR2	1
Indicates if there will be road maintenance required. If the logs are being moved via helicopter or water drop, then the value will be N - no, otherwise will be Y - yes.				
<i>Allowable Values of Attribute</i>				
N	thru N	No	N	
Y	thru Y	Yes	Y	
CREW TRANSPORT DISTANCE		Y	NUMBER	4,1
The distance the logging crew must travel.				
This is measured from the closest of either a marshalling point or a camp where the crew sleeps to the geographic centre of the block.				
Remember that blocks that are being logged by helicopter must have a crew transportation distance of zero (may need to split a block into tow parts if both helicopter and conventional harvesting is occurring).				
Enter to one sig dig.				
CREW MARSHAL POINT		Y	VARCHAR2	250
The name of the Marshalling point or camp the crew is coming from.				
<i>2002/12/12 LAS: Increased size of field as a result of developer review.</i>				
ISOLATED IND		Y	VARCHAR2	1
An indication of whether the block is accessible or isolated.				
<i>Allowable Values of Attribute</i>				
A	thru A	Accessible	A	
I	thru I	Isolated	I	
OTHER APPRAISAL LOG DUMP DESC		Y	VARCHAR2	250
Describes the location where the appraised timber is unloaded after truck haul.				
These locations are those that are temporary or minor so do not have a code created for them in APPRAISAL_LOG_DUMP_LOCN_CODE.				
The ECAS application enforces the business rule that this field must be filled in if the APPRAISAL_LOG_DUMP_LOCN_CODE =' OTHR' is selected.				
<i>BM - Added 2005-06-27 for Coast Policy effective 2005-08-01</i>				
ADS_LOCATION_DISTANCE		Y	NUMBER	4
The straight line distance measured in kilometres from the geographic centre of the cutting authority area to the nearest border of the nearest of Vancouver, Chiliwack, Merritt, Victoria, Nanaimo, Campbell River, Prince Rupert, Terrace, or Houston.				
<i>BM - Added 2005-06-27 for Coast Policy effective 2005-08-01</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				

Entity Name:	ADS CUTTING AUTHORITY DETAIL (cont'd)	<i>Short Name:</i>	ADSCAD
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current.			
ENTRY USERID	N	VARCHAR2	80
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP	N	DATE	
The date and time the entry was created.			
UPDATE USERID	N	VARCHAR2	80
The unique id of the user who last modified this entry.			
UPDATE TIMESTAMP	N	DATE	
The date and time the entry was last modified.			
* = <i>Attributes in primary unique identifier.</i>			

Relationships:

Each Occurrence Of This Entity:

- MUST BE major centre identified by one and only one ADS LOCATION CODE
- MUST BE point 1 identified by one and only one APP WATER TRNSP COST
- MUST BE point 2 identified by one and only one APP WATER TRNSP COST
- * MUST BE belongs to one and only one APPRAISAL DATA SUBMISSION
- * MUST BE work conducted by one and only one APPRAISAL HARVEST METHOD CODE
- MUST BE log dump identified by one and only one APPRAISAL LOG DUMP LOCN CODE
- * MUST BE costing calculated for one and only one CUT BLOCK
- MAY BE having water transport method identified by one and only one WATER TRANSPORT CODE
- * = *Relationships in primary unique identifier.*

Unique Identifiers:

CBD	Primary	Y
<i>MUST BE belongs to one and only one APPRAISAL DATA SUBMISSION</i>		
<i>MUST BE costing calculated for one and only one CUT BLOCK</i>		
<i>MUST BE work conducted by one and only one APPRAISAL HARVEST METHOD CODE</i>		

Notes:

- 2002/11/28 LAS: Renamed at request of S.Ghazarian & D.Barrand
- 2005/06/22 BM: Added Appraisal Log Dump Code, Other Log Dump Description, ADS Location Code and ADS Location Distance

Entity Name: ADS DETAILED ENGINEERING COST**Short Name:** ADSDEC**Plural:** ADS DETAILED ENGINEERING COST**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Subtype of:** ADS DEVELOPMENT**Description:**

The cost details available for any DETAILED ENGINEERING costs associated with the APPRAISAL FILE.

This is a summary of the costs by cost estimate id, appraisal year and development type.

This information is only stored for Coast Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* APPRAISAL YEAR		N VARCHAR2	4
The year in which the construction of the identified element will be conducted.			
* COST ESTIMATE ID		N VARCHAR2	5
The unique identifier of the attachment which contains the detailed costs associated with this entry.			
For END HAUL and ROAD RECONSTRUCTION, this will be system generated based on the total of all details entered in those entities for this APPRAISAL DATA SUBMISSION by APPRAISAL YEAR.			
EH - End Haul			
RR - Road Reconstruction.			
It will be entered by the licensee for construction estimate forms (CEFn) and Bridge Repairs (BR).			
ROAD LENGTH		Y NUMBER	5,2
The length of the road in kilometers involved in the contruction or reconstruction for this APPRAISAL FILE.			
AMORTIZED PCT		Y NUMBER	3,0
The percentage of the detailed engineering cost that is being allocated to this appraisal year.			
* CROWN PCT		N NUMBER	3,0
The percentage of the TOTAL COST that the CROWN is expected to pay for the construction or reconstruction of the roads involved.			
TOTAL COST		Y NUMBER	13,0
The total dollar cost of the engineering construction required to support the APPRAISAL DATA SUBMISSION.			
Calculated for END HAUL and ROAD RECONSTRUCTION as the sum of all entries for the APPRAISAL YEAR.			
Entered for the other Detailed Engineering projects.			
COMMENTS		Y VARCHAR2	25
Quick notes on the construction or reconstruction by the licensee.			
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	80
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP		N DATE	
The date and time the entry was created.			
UPDATE USERID		N VARCHAR2	80
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.			

Entity Name:	ADS DETAILED ENGINEERING COST (cont'd)	Short Name:	ADSDEC
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Relationships:

Each Occurrence Of This Entity:

MAY BE contain summary of end haul one or more ADS ENGINEERING SECTION COST

* MUST BE development typed by one and only one ROAD DEVELOPMENT TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

DEPrimaryY

MUST BE development typed by one and only one ROAD DEVELOPMENT TYPE CODE

APPRAISAL YEAR

COST ESTIMATE ID

CROWN PCT

Notes:

2002/12/18 LAS: Increase size of total cost attribute to allow for increased total section cost from engineering section cost entity.

Entity Name: ADS DEVELOPMENT		<i>Short Name:</i>	ADSD
<i>Plural:</i>	ADS DEVELOPMENT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>
<i>Subtype of:</i>	ADS OPERATING		

Description:

Identifies the costs associated with development work required for the timber cutting to proceed.

Is a super-type entity containing the various components of development. This includes Road Construction, Bridge construction, culvert installation and replacement, detailed engineering, end haul and road reconstruction.

Attributes:

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

- Subtypes:*
- ADS BRIDGE
 - ADS CULVERT
 - ADS DETAILED ENGINEERING COST
 - ADS END HAUL COST
 - ADS ENGINEERING SECTION COST
 - ADS OTHER DEVELOPMENT COST
 - ADS ROAD
 - ADS TABULAR ROAD SECTION

Entity Name: ADS END HAUL COST**Short Name:** ADSEHC**Plural:** ADS END HAUL COST**Init. Volume:** Avg. Volume:**Max. Volume:****Annual Growth Rate:****Subtype of:** ADS DEVELOPMENT**Description:**

The END HAUL entity contains the details of end haul detailed engineering costs associated with the APPRAISAL FILE.

The details are related to a DETAILED ENGINEERING Development Cost for an APPRAISAL FILE.

There may be many END HAUL entries per DETAILED ENGINEERING entry.

Used only for COAST APPRAISAL DATA SUBMISSIONS

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* END HAUL ID		N	NUMBER	6,0
A sequence number indicating which line of the page this item is for.				
STATION START POINT		Y	NUMBER	6,0
the road section starting point for the end haul.				
STATION END POINT		Y	NUMBER	6,0
The road section end point for the end haul.				
UPHILL SIDE SLOPE PCT		Y	NUMBER	3,0
the grade percentage of the uphill side slope if any.				
AMORTIZED PCT		Y	NUMBER	3,0
The percentage of the cost of the end haul that is being allocated to this appraisal.				
CROWN PCT		Y	NUMBER	3,0
The percentage of the end haul cost that will be paid for by Crown.				
PARTIAL PCT		Y	NUMBER	3,0
The percentage of the cost of the end haul that is being allocated to this appraisal.				
SUBGRADE SPOIL LOCATION		Y	VARCHAR2	20
The spoil location for the subgrade.				
SUBGRADE HAUL DISTANCE		Y	NUMBER	5,0
The haul distance in kilometers for the subgrade.				
TOTAL END HAUL VOLUME		Y	NUMBER	7,0
The total volume of the end haul in cubic metres.				
SUBGRADE COST PER KM		Y	NUMBER	6,2
The cost of the end haul per kilometre.				
SURFACING REQUIRED IND		Y	VARCHAR2	1
A yes/no indication of whether or not surfacing is required for this end haul.				
SURFACING PIT LOCATION		Y	VARCHAR2	20
The pit location of the surfacing material.				
SURFACING HAUL DISTANCE		Y	NUMBER	5,0
The haul distance in kilometres to the surfacing pit.				
SURFACING COST PER KM		Y	NUMBER	6,2
The dollar cost per kilometre of the surfacing material and hauling.				
TOTAL SECTION COST		Y	NUMBER	8,0
The total cost of the surfacing for this section of end haul work.				
SECTION BUILT IND		Y	VARCHAR2	1
A yes/no indication of whether or not this section of the end haul has been constructed.				
REVISION COUNT		N	NUMBER	5,0
A count of the number of times an entry in the entity has been modified.				

Entity Name:	ADS END HAUL COST (cont'd)	<i>Short Name:</i>	ADSEHC
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Used to validate if the current information displayed on a user's web browser is the most current.			
ENTRY USERID	N	VARCHAR2	80
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP	N	DATE	
The date and time the entry was created.			
UPDATE USERID	N	VARCHAR2	80
The unique id of the user who last modified this entry.			
UPDATE TIMESTAMP	N	DATE	
The date and time the entry was last modified.			
* = <i>Attributes in primary unique identifier.</i>			

Unique Identifiers:

EH	Primary	Y
END HAUL ID		

Notes:

D! 2002/09/28 LAS Replaced by ADS Engineering Section Cost.

Entity Name: ADS ENGINEERING SECTION COST**Short Name:**

AESC

Plural: ADS ENGINEERING SECTION COST**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Subtype of:** ADS DEVELOPMENT**Description:**

The detailed engineering costs by section for end haul and road reconstruction.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ENGINEERING SECTION ID		N	NUMBER	12,0
A sequence number indicating which line of the page this item is for.				
STATION START POINT		Y	NUMBER	6,0
the road section starting point for the engineering activity				
STATION END POINT		Y	NUMBER	6,0
The road section end point for the engineering activity.				
REMAINING ROAD WIDTH		Y	NUMBER	2,1
Existing road width in metres.				
Used for Road Reconstruction.				
2002/10/22 LAS: Modified size of field due to excessive number previously. Includes 2 decimal point as per Robert G. email Oct 4/2002				
UPHILL SIDE SLOPE PCT		Y	NUMBER	3,0
the grade percentage of the uphill side slope if any.				
AMORTIZED PCT		Y	NUMBER	3,0
The percentage of the cost of the end haul that is being allocated to this appraisal.				
CROWN PCT		Y	NUMBER	3,0
The percentage of the cost that will be paid for by Crown.				
PARTIAL PCT		Y	NUMBER	3,0
The percentage of the cost that is being allocated to this appraisal.				
SUBGRADE SPOIL LOCATION		Y	VARCHAR2	200
The spoil location for the subgrade.				
2003/02/05 JS: Increase size to 200.				
2002/10/23 LAS: As per Tech Spec Review meeting held 10/22, modifying size of Borrow Pit Location, PIt Location and Spoil Location to be consistent size of 50.				
SUBGRADE HAUL DISTANCE		Y	NUMBER	5,2
The haul distance in kilometers for the subgrade.				
2002/10/22 LAS: Modified size of field due to excessive number previously. Includes 2 decimal point as per Robert G. email Oct 4/2002				
SUBGRADE_FACTOR_EFFECTIVE_DATE		Y	DATE	
TOTAL END HAUL VOLUME		Y	NUMBER	7,0
The total volume of the end haul in cubic metres.				
SUBGRADE COST PER KM		Y	NUMBER	13,0
The cost of the subgrade construction per kilometre.				
2002/11/19 LAS: Modified as per review of End Haul tech spec.				
SURFACING REQUIRED IND		Y	VARCHAR2	1
A yes/no indication of whether or not surfacing is required for this engineering activity.				
SURFACING DEPTH		Y	NUMBER	2,1
The depth of the surfacing material as determined by the engineering project type.				
If R1, depth is 0.2 m				
If R2, depth is 0.2 m				
If R3, depth is calculated				

Entity Name:	ADS ENGINEERING SECTION COST (cont'd)	Short Name:	AESC
If C, depth is calculated If RS, depth is 0.2 m If TR, no surfacing so entry not valid If TF, no surfacing so entry not valid			
SURFACING PIT LOCATION	Y VARCHAR2	50	
The pit location of the surfacing material. <i>2002/10/23 LAS: As per Tech Spec Review meeting held 10/22, modifying size of Borrow Pit Location, PIt Location and Spoil Location to be consistent size of 50.</i>			
SURFACING HAUL DISTANCE	Y NUMBER	5,2	
The haul distance in kilometres to the surfacing pit. <i>2002/10/22 LAS: Modified size of field due to excessive number previously. Includes 2 decimal point as per Robert G. email Oct 4/2002</i>			
SURFACING VOLUME	Y NUMBER	7,0	
The volume of the surfacing material. If case type code 1 & 2, depth is 20 cm (0.2 m), therefore Gravel = 1,300 m3/km and Rock = 1,250 m3/km If case type code 3, use the coast appraisal manual's table 4-6 to determine the depth Surfacing, variable depth Capping, set depth to 0.2m			
SURFACING COST PER KM	Y NUMBER	13,0	
The dollar cost per kilometre of the surfacing material and hauling. <i>2002/11/19 LAS: Modified as per review of End Haul tech spec.</i>			
TOTAL SECTION COST	Y NUMBER	13,0	
The total cost of the surfacing for this section of engineering work.			
SECTION BUILT IND	Y VARCHAR2	1	
A yes/no indication of whether or not this section of the engineering has been constructed.			
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	80	
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP	N DATE		
The date and time the entry was created.			
UPDATE USERID	N VARCHAR2	80	
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:

- * MUST BE provide end haul detail for one and only one ADS DETAILED ENGINEERING COST
- * MUST BE located on one and only one ADS ROAD
- MAY BE construction category typed by one and only one CONSTRUCTION CATEGORY CODE
- * MUST BE having project type identified by one and only one ROAD ENGINEERING PROJECT TYPE CODE
- MUST BE engineering type identified by one and only one ROAD ENGINEERING TYPE CODE
- MAY BE subgrade material type identified by one and only one STABILIZING MATERIAL TYPE CODE
- MAY BE surfacing material type identified by one and only one STABILIZING MATERIAL TYPE CODE
- MAY BE including costing factor from one and only one SUBGRADE FACTOR
- * = Relationships in primary unique identifier.

Entity Name:	ADS ENGINEERING SECTION COST (cont'd)	Short Name:	AESC
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Unique Identifiers:

AESCPrimaryY

MUST BE provide end haul detail for one and only one ADS DETAILED ENGINEERING COST
ENGINEERING SECTION ID
MUST BE having project type identified by one and only one ROAD ENGINEERING PROJECT TYPE CODE
MUST BE located on one and only one ADS ROAD

Notes:

2002/12/17 LAS: Increased size of cost per km and total section cost attributes to 13,0
2002/12/18 LAS: Removed appraisal year as attribute in this entity as it will be inherited through relationship to detailed engineering cost

Entity Name: ADS HARVEST**Short Name:** ADSH**Plural:** ADS HARVEST**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

The APPRAISAL HARVEST entity contains the details for the volumes and percentages to be harvested for the APPRAISAL FILE by the various HARVEST METHODS.

This is used primarily for INTERIOR Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
HARVEST VOLUME		N NUMBER	7,0
The volume in cubic metres to be harvested by the method identified.			
NET VOLUME PER TREE		Y NUMBER	8,2
The net volume per tree to be harvested by this method. measured in cubic metres.			
VOLUME PER HECTARE		Y NUMBER	8,2
The volume of the trees to be harvested per hectare by this method. Measured in cubic metres.			
STAND DEFECT PCT		Y NUMBER	3,0
The percentage of the harvest which is identifies as being a stand defect.			
PARTIAL CUT PCT		Y NUMBER	3,0
The percentage of the trees being harvested by this method that will be partial cut.			
AVERAGE SLOPE PCT		Y NUMBER	3,0
The average slope percentage used to access the wood.			
BLOWDOWN PCT		Y NUMBER	3,0
The percentage of the trees that were blowdown.			
HEAVY FIRE DAMAGE PCT		Y NUMBER	3,0
The percentage of the trees that had heavy fire damage.			
DEAD USELESS SNAGS PCT		Y NUMBER	3,0
The percentage of the trees that were considered to be useless snags.			
SKYLINE YARDING DISTANCE		Y NUMBER	4
The distance in metres that the skyline yarding will be conducted.			
HELICOPTER YARDING DISTANCE		Y NUMBER	5,1
The distance in kilometres that the helicopter yarding will cover.			
UPHILL YARDING IND		Y VARCHAR2	1
A yes/no indicator to identify if uphill harding was involved.			
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	80
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP		N DATE	
The date and time the entry was created.			
UPDATE USERID		N VARCHAR2	80
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 the harvest for one or more ADS HARVEST SPECIES

Entity Name:	ADS HARVEST (cont'd)	<i>Short Name:</i>	ADSH
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- * MUST BE indicating cruise volume for one and only one APPRAISAL DATA SUBMISSION
- * MUST BE harvest method identified by one and only one APPRAISAL HARVEST METHOD CODE
- MAY BE biogeoclimatic zone identified by one and only one BEC CODE TABLE
- * MUST BE harvested by one and only one HARVEST SYSTEM CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

ASH	Primary	Y
MUST BE indicating cruise volume for one and only one APPRAISAL DATA SUBMISSION		
MUST BE harvest method identified by one and only one APPRAISAL HARVEST METHOD CODE		
MUST BE harvested by one and only one HARVEST SYSTEM CODE		

Notes:

2002/12/04 LAS: Renamed attribute from lodgepole pine pct to lodgepole pine volume and increased to number(7,0)

Entity Name: ADS HARVEST SPECIES		<i>Short Name:</i>	AHS
<i>Plural:</i>	ADS HARVEST SPECIES		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPECIES VOLUME		N	NUMBER	7
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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:

- * MUST BE the harvest for one and only one ADS HARVEST
- * MUST BE allocated a tree species by one and only one HDBS TREE SPECIES
- * = Relationships in primary unique identifier.

Unique Identifiers:

AHS_PK	Primary	Y
MUST BE the harvest for one and only one ADS HARVEST		
MUST BE allocated a tree species by one and only one HDBS TREE SPECIES		

AISC Primary Y
ADS INSECT SPECIES CODE

Entity Name: ADS LOCATION CODE		<i>Short Name:</i>	ALC
<i>Plural:</i>	ADS LOCATION CODES		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The unique code of the geographic centre of the cutting authority area to the nearest border of the nearest of Vancouver, Chilliwack, Merritt, Victoria, Nanaimo, Campbell River, Prince Rupert, Terrace, or Houston.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ADS LOCATION CODE		Y	VARCHAR2	4
The unique code of the geographic centre of the cutting authority area to the nearest border of the nearest of Vancouver, Chilliwack, Merritt, Victoria, Nanaimo, Campbell River, Prince Rupert, Terrace, or Houston.				
DESCRIPTION		N	VARCHAR2	120
The full description of the location.				
EFFECTIVE DATE		N	DATE	
The date this 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.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies one or more ADS CUTTING AUTHORITY DETAIL

* = *Relationships in primary unique identifier.*

Unique Identifiers:

ALC	<i>Primary</i>	Y
ADS LOCATION CODE		

Notes:

Added 2004/01/22 - jstorey

Entity Name:	ADS OPERATING	<i>Short Name:</i>	ADSO
<i>Plural:</i>	ADS OPERATING		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The super type used to relate the various cost entities to the Appraisal File.
Includes all the entities used to determine what the logging for this appraisal will cost the licensee as well as the crown.

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 calculated for one and only one APPRAISAL DATA SUBMISSION
* = Relationships in primary unique identifier.

Unique Identifiers:

OC	Primary	Y
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MUST BE is calculated for one and only one APPRAISAL DATA SUBMISSION

Subtypes:

ADS DEVELOPMENT

ADS SPECIFIED OPERATION

Entity Name: ADS OTHER DEVELOPMENT COST			Short Name:	ADSODC
Plural:	ADS OTHER DEVELOPMENT COST			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	
Subtype of:	ADS DEVELOPMENT			

Description:

The OTHER DEVELOPMENT COSTS entity contains the various development components not otherwise covered in the development costs entity subtypes. This includes Other Structures, Allocated Development for BCTS and Engineered Development.

Only used for Interior Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OTHER DEVELOPMENT ID		N	NUMBER	12,0
A sequence number to uniquely identify the other development line items.				
OTHER DEVELOPMENT DESCRIPTION		N	VARCHAR2	120
A text field allowing for a brief description of the other type of development being conducted.				
COST BASE YEAR		N	VARCHAR2	4
The year which the original cost is being used from.				
ORIGINAL COST		N	NUMBER	9,2
The original cost of the development effort.				
TRENDED COST		N	NUMBER	9,2
The dollar cost amount of the other development item.				
APPLICABLE VOLUME		Y	NUMBER	7,0
The volume against which the development cost for this work will be calculated against.				
AMENDED IND		Y	VARCHAR2	1
A yes/no indication of whether or not this development cost line has been amended since the original submission.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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 type of development identified by one and only one OTHER DEVELOPMENT TYPE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

OD	Primary	Y
MAY BE type of development identified by one and only one OTHER DEVELOPMENT TYPE CODE		
OTHER DEVELOPMENT ID		

Entity Name: ADS ROAD		<i>Short Name:</i>	ARD
<i>Plural:</i>	ADS ROAD		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>
<i>Subtype of:</i>	ADS DEVELOPMENT		

Description:

 This entity contains the summary information about any road that may be requiring construction or reconstruction for the appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD NAME		N	VARCHAR2	120
The unique name of the road involved in the construction.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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 containing one or more ADS BRIDGE

MAY BE containing one or more ADS ENGINEERING SECTION COST

MAY BE having costs by section for one or more ADS TABULAR ROAD SECTION

MAY BE located in one and only one ROAD GROUP CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

ATR	Primary	Y
ROAD NAME		

Notes:

2002/10/25 LAS: Modified entity name as this entity contains road names which may not be tabular only. Removed attribute APPRAISAL_YEAR as this entity should contain all road names involved in the appraisal regardless of year.

2002/11/18 LAS: Note to future generators: The BEC_CODE_ID inherited through the relationship to BEC CODE TABLE needs to be removed and the column replaced with the BGC_ZONE_CODE varchar2(4) as that is the data to be used.

ADS SPECIES DAMAGE CATGRY CODE

Entity Name: ADS SPECIES DAMAGE VOLUME		<i>Short Name:</i>	ASDV
<i>Plural:</i>	ADS SPECIES DAMAGE VOLUME		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Identifies the damage of different species within the stand for the appraisal submission. For each species and category of damage, the volume is identified.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DAMAGE VOLUME ID		N	NUMBER	12
A unique identifier for the damage volume.				
VOLUME		N	NUMBER	7,0
The volume in cubic metres for this tree species and damage category.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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 is detailed by one and only one ADS SPECIES VOLUME
or MUST BE is damage for one and only one APPRAISAL DATA SUBMISSION
MUST BE is damaged by one and only one ADS INSECT SPECIES CODE
MAY BE is categorized by one and only one ADS SPECIES DAMAGE CATGRY CODE
* = Relationships in primary unique identifier.

Unique Identifiers:

ASDV	Primary	Y
DAMAGE VOLUME ID		

Entity Name: ADS SPECIES GRADE		<i>Short Name:</i>	ASG
<i>Plural:</i>	ADS SPECIES GRADE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

 The percentage of the species that has been graded at the identified grade classification.
 Is only used for Coast Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
GRADE PCT		N	NUMBER	3,0
The percentage of the ADS SPECIES VOLUME that is of the identified GRADE TYPE CODE.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
The unique id of the user who last modified this entry.				
UPDATE TIMESTAMP		N	DATE	
The date and time the entry was last modified.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE species identified by one and only one ADS SPECIES VOLUME
- * MUST BE classified by one and only one SCALE GRADE CODE
- * = *Relationships in primary unique identifier.*

Unique Identifiers:

ASG	<i>Primary</i>	Y
<i>MUST BE classified by one and only one SCALE GRADE CODE</i>		
<i>MUST BE species identified by one and only one ADS SPECIES VOLUME</i>		

Entity Name: ADS SPECIES VOLUME**Short Name:** ADSSV**Plural:** ADS SPECIES VOLUME**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Identifies each species within the stand for the appraisal submission. For each species the volume, and competitive indicator is identified. For Interior appraisals, additional details are added about the percentage of the volume that may fall within the classifications of Burn, Decay, Stud, Grade, and LRF.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPECIES VOLUME		N	NUMBER	7,0
The volume in cubic metres that is being harvested for this tree species.				
DECAY PCT		Y	NUMBER	3,0
The percentage of the harvest for this species that contains decay wood.				
STUD PCT		Y	NUMBER	3,0
The percentage of the volume for this species that is of stud quality wood.				
BURN PCT		Y	NUMBER	3,0
The percentage of this species volume that is from burn quality wood.				
GRADE PCT		Y	NUMBER	3,0
The percent of the species volume that is of grade quality wood.				
LUMBER RECOVERY FACTOR		Y	NUMBER	3,0
The amount of lumber which may be recovered during the appraisal harvest. Used for Interior Appraisals.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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 details volume per category one or more ADS SPECIES DAMAGE VOLUME

MAY BE grade percent identified for one or more ADS SPECIES GRADE

* MUST BE ADS identified for one and only one APPRAISAL DATA SUBMISSION

MAY BE having grade source identified by one and only one GRADE SOURCE

* MUST BE species identified by one and only one HDBS TREE SPECIES

* = Relationships in primary unique identifier.

Unique Identifiers:

AS Primary Y

MUST BE ADS identified for one and only one APPRAISAL DATA SUBMISSION

MUST BE species identified by one and only one HDBS TREE SPECIES

Notes:

2002/11/1 LAS: Dropped Competitive Indicator as per email from Sabina G.

Entity Name: ADS SPECIFIED OPERATION			Short Name:	ASO
Plural:	ADS SPECIFIED OPERATION			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	
Subtype of:	ADS OPERATING			

Description:

The charges associated with the various types of Specified Operation.
Indication of charge rate per cubic metre for appraisal activity defined by specified operation code and spec op type code.
One exception to this, Root Disease is a flat rate charged as a whole dollar amount that when sent up to GAS is then calculated back to a rate per cubic meter.
For Disbursed Salvage a percentage applicable is identified along with the charge rate to indicate how much of that rate and service is to be charged. The blended rate is calculated by adding up the product of the rate times the blended percent of all the Dispersed Salvage operation entries for that appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPECIFIED OPERATING RATE		Y	NUMBER	9,2
The dollar amount that the identified Specified Operation will cost. Measured in terms of dollars per cubic metre for most. Interior Root Disease measures only cost in dollars.				
BLENDED PCT		Y	NUMBER	3,0
The percentage of blending used for the identified specified operation. Used for Interior Appraisals only.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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:

- * MUST BE having operation identified by one and only one SPECIFIED OPERATIONS CODE
- * MUST BE operation phase identified by one and only one SPECIFIED OPERATIONS PHASE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SOC	Primary	Y
MUST BE operation phase identified by one and only one SPECIFIED OPERATIONS PHASE CODE		
MUST BE having operation identified by one and only one SPECIFIED OPERATIONS CODE		

Entity Name: ADS SUBMITTED TIMBER MARK**Short Name:** ADSSTM**Plural:** ADS SUBMITTED TIMBER MARK**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

For Coast Appraisals, the data submission may be for one or more timber marks. Because of this, the SUBMITTED TIMBER MARK entity must be created to allow for this flexibility.

The primary timber mark will be displayed on search list pages with the ability to view the other timber marks.

Interior Appraisals only have one timber mark associated so will only ever have one entry per APPRAISAL FILE.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MARK CRUISE VOLUME		Y	NUMBER	7,0
The volume of wood in cubic meters that will be harvested within the identified timber mark.				
PRIMARY MARK IND		N	VARCHAR2	1
The Primary Mark Indicator identifies if the submitted timber mark is the primary mark in the case of multi-mark appraisals. This will be a yes/no indication. For Coast, will default to No until they check the primary mark flag on the reference information page. For Interior, will default to Yes as there is only one timber mark per appraisal.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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:

* MUST BE identified for one and only one APPRAISAL DATA SUBMISSION

* MUST BE including timber mark of one and only one TIMBER MARK

* = Relationships in primary unique identifier.

Unique Identifiers:

STM_PK Primary Y

MUST BE identified for one and only one APPRAISAL DATA SUBMISSION

MUST BE including timber mark of one and only one TIMBER MARK

Entity Name: ADS SUPPORT DOCUMENT**Short Name:** ADSSD**Plural:** ADS SUPPORT DOCUMENT**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

The ADS SUPPORT DOCUMENT entity contains the name and location of any file attachments to be kept with the Submitted data file. The format of the attachment may be PDF, Excel, Word or other formats that are easily viewed through a browser. The file name stored will provide the link to the physical file on the network server.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DOCUMENT ID		N	NUMBER	12,0
Unique identifier for each entry.				
System generated from a sequence number.				
DOCUMENT DESCRIPTION		Y	VARCHAR2	100
User entered description of the support document.				
ZIP FILE IND		Y	VARCHAR2	1
A yes/no indicator of if the attached electronic file is zipped or normal.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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:

- * MUST BE supplied for one and only one APPRAISAL DATA SUBMISSION
- MUST BE attachment type identified by one and only one APPRAISAL DOCUMENT TYPE CODE
- MAY BE Contained in one and only one ECAS SUBMITTED FILE
- MUST BE submission method identified by one and only one TRANSMISSION TYPE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

AD	Primary	Y
MUST BE supplied for one and only one APPRAISAL DATA SUBMISSION		
DOCUMENT ID		

Notes:

2002/11/21 LAS: Added Zip File Ind to support the additional requirement of submitted documents being sent in zipped format and thus containing more than one.

BM: May 2006. Added DOCUMENT DESCRIPTION to allow users to create their own description for a support document. Dropped FILE NAME attribute and added relationship to ADS SUBMITTED FILE.

BM: Dec 12, 2006. The project to store ECAS attachments and xml files in the database has been put in hold temporarily. The changes made in May 2006 have not been reversed because the intent is that they be implemented in the near future. An interim release requires that new attribute DOCUMENT_DESCRIPTION be implemented without the other changes so the physical Server Model has been updated accordingly.

Entity Name: ADS TABULAR ROAD SECTION**Short Name:** ADSTRS**Plural:** ADS TABULAR ROAD SECTION**Init. Volume:** Avg. Volume:**Max. Volume:****Annual Growth Rate:****Subtype of:** ADS DEVELOPMENT**Description:**

This entity contains the details required to be captured from the Licensee on any road section which must be built or rebuilt in order to access the APPRAISAL FILE locations.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* SECTION ID		N NUMBER	12,0
The detailed line number used to uniquely identify an entry in the TABULAR ROAD entity. Will be generated from a sequence number.			
* APPRAISAL YEAR		Y CHAR	4
The year the tabular road work is being conducted.			
STATION START POINT		Y NUMBER	6,0
The starting point for this section of road involved in the construction.			
STATION END POINT		Y NUMBER	6,0
The section end point of the road section involved in the construction.			
UPHILL SIDE SLOPE PCT		Y NUMBER	3,0
The grade percent of the uphill side slope.			
TRUCKING DISTANCE		Y NUMBER	5,1
The distince in Kilometers that the road fill will be hauled.			
SUBGRADE ROCK PCT		Y NUMBER	3,0
The percentage of rock included in the subgrade for the tabular road. Used in Interior Appraisals.			
CROWN PCT		Y NUMBER	3,0
The percentage of the total cost the CROWN will be expected to pay for the road development.			
AMORTIZED PCT		Y NUMBER	3,0
The percent of the development cost which is to be allocated to this appraisal for the identified appraisal year.			
PARTIAL PCT		Y NUMBER	3,0
The percent of the development cost which is to be allocated to this appraisal for the identified appraisal year. Defaults to 100.			
BORROW PIT LOCATION		Y VARCHAR2	50
The station point or location name of the pit where the material is being hauled from. <i>2002/10/23 LAS: As per Tech Spec Review meeting held 10/22, modifying size of Borrow Pit Location, PIt Location and Spoil Location to be consistent size of 50.</i>			
SECTION BUILT IND		Y VARCHAR2	1
A yes/no indicator to identify if this section has been built.			
SECTION LENGTH		Y NUMBER	8,3
For INTERIOR APPRAISAL DATA SUBMISSIONS, the length of the section of the TAB Roads being built for the appraisal. For quicker reporting, this will also store the calculated value of the Coast section length. <i>2002/10/18 LAS - As per telephone conversation with N.Middleton, renamed SUBGRADE_SECTION_LENGTH to SECTION_LENGTH.</i> <i>2002/11/27 LAS: As per discussions with M.Antenbring, L.Martel, and N.Middleton, resized field to allow for the storage of both Coast and Interior section lengths. Coast stores 3 decimal places, interior stores 1</i>			
SIDE SLOPE PCT		Y CHAR	3

2002/11/27 LAS: As per discussions with M.Antenbring, L.Martel, and N.Middleton, resized field to allow for the storage of both Coast and Interior section lengths. Coast stores 3 decimal places, interior stores 1

Entity Name: ALLOCATED ROAD COST			Short Name:	AARC
Plural:	APP_ALC_RD_COST			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This entity deals with the cost estimate for roads constructed at Crown expense for SBFEP. Allocated Road Cost is also used to determine the Development Levy.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD_ID		N	VARCHAR2	10
Unique identifier for a road within a timber mark.				
ROAD_LENGTH		N	NUMBER	5,2
Length of engineered road in kilometres.				
CROWN_PERCENTAGE		N	NUMBER	4,0
Percentage of the cost to the crown to develop an identified section of road included in the appraisal.				
ALLOC_ROAD_COST		N	NUMBER	11,4
Net allocated road cost to be included in the appraisal.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AARC_PK	Primary	Y
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MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

ROAD_ID

Entity Name: APP DSB COST TABLE			Short Name:	ADCT
Plural:	APP_DSB_CST_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The cost estimates for sort costs related to dump, sort, boom, scale and re-load from dryland sorts for Remote or Non-Remote Operations. The cost allowances are for Barging or Towing conditions.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* WATER_TRANSPORT_CD		N	VARCHAR2	1
A code describing the type of water transportation used. Valid values are 'BARGE' and 'TOWING'.				
* EFFECTIVE_DATE		N	DATE	
The date on which the dump, sort, boom and scale cost becomes effective.				
* REMOTENESS_IND		N	VARCHAR2	1
A flag to indicate that this is a remote operation.				
DMP_SRT_BM_CST_M3		N	NUMBER	5,2
The cost for dumping, sorting, booming and scaling of the logs based on the point of origin.				
COMMITTED_IND		N	VARCHAR2	1
An indication as to whether or not the associated dump, sort, and boom cost record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

ADCT_PK	Primary	Y
WATER_TRANSPORT_CD		
EFFECTIVE_DATE		
RE MOTENESS_IND		

Entity Name: APP INT SILVICULTURE CST SUMMARY		Short Name:	AISS
Plural:	APPINT_SILV_SUM		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The Interior Silviculture Cost estimate is comprised of Basic Silviculture Estimate, Ice Bridge Silviculture Estimate and Specified Silviculture cost estimate.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
BASIC_SILV_COST_M3		N	NUMBER	5,2
All calculated treatment costs required for a stand to reach free-growing stocking standards.				
ICE_BR_SILV_CST_M3		N	NUMBER	5,2
All calculated treatment costs required for a stand to reach free-growing stocking standards, where ice bridges are required for access.				
SPECIF_SILV_CST_M3		N	NUMBER	5,2
Silviculture treatment costs calculated using detailed engineering methods.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains one or more APP_SILV_COST
- MAY BE contains one or more APP_IBRSILV_CST
- MAY BE contains one and only one APPR SPECIFIED SILVICULTURE COST

* MUST BE is part of one and only one APPRAISAL OPERATING COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AISS_PK	Primary	Y
MUST BE is part of one and only one APPRAISAL OPERATING COST		

Entity Name: APP SPECIES GRADE SELLING PRICE		Short Name:	ASSP
Plural:	APP_SG_SL_PRC		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

For each species of tree within this stand, this entity identifies the grades that exist for the species and the percent of each grade relative to the species.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TIMBER_MARK		N	VARCHAR2	6
A separate and distinctive ID used to identify each contractual timber tenure. A further breakdown of Licence Number and.or Cutting Permit Number as appropriate.				
* APP_EFFECTIVE_DATE		N	DATE	
The date on which the appraisal becomes effective.				
* HDBS_SPP_PRD_GRADE		N	VARCHAR2	5
A five character code. Two characters stand for the tree species in a volume. Another two characters stand for the product to be made and the last character stands for the quality of the species found within a given volume.				
SPECIES_GRADE_PCT		N	NUMBER	3,0
The percentage of the grade for the species within the stand.				
SPEC_GRD_SELL_PRC		N	NUMBER	6,2
The selling price of the grade for the species.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

ASSP_PK	Primary	Y
TIMBER_MARK		
APP_EFFECTIVE_DATE		
HDBS_SPP_PRD_GRADE		

Entity Name: APP SUPPORT CENTRE CODE		<i>Short Name:</i>	ASCC
<i>Plural:</i>	APP SUPPORT CENTRE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The Appraisal Support Centre entity contains the subset of location points which are used to support interior Tree To Truck transportation.
This entity will contains the values contained within the app_supp_centre_st code_subset_tbl.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APP SUPPORT CENTRE CODE		N	VARCHAR2	4
The unique code of the location point which is providing support to the appraisal.				
DESCRIPTION		N	VARCHAR2	120
The full description of the location.				
EFFECTIVE DATE		N	DATE	
The date this 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 indicates location of support centre for one or more INTERIOR APPRAISAL
* = Relationships in primary unique identifier.

Unique Identifiers:

ASCC	Primary	Y
APP SUPPORT CENTRE CODE		

Entity Name: APP TREE TO TRUCK COST

Short Name:

ATC

Plural: APP_TTT_COST

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

The estimates of costs for items to harvest a tree and load it onto a logging truck, ready for transport to a point of origin, for this appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
STAND_DEFECT_PCT		N NUMBER	4,0
Percentage of logs estimated to be unrecovered due to natural decay, waste and breakage.			
SPECIFIED_OPRN_DESC		N VARCHAR2	25
A description of the specified operation tree to truck costs.			
SPECIFIED_OPRN_RATE		N NUMBER	5,2
A cost estimate directly entered for the tree to truck cost.			
HELI_WATER_CRZ_VOL		N NUMBER	7,0
The volume for helicopter operations to be dropped in the water.			
HELI_LAND_CRZ_VOL		N NUMBER	7,0
The volume for helicopter operations to be dropped on land.			
CRUISE_LOG_VOLUME		N NUMBER	3,2
Net cruise log volume for the cutting authority being appraised. Values are expressed in cubic meters.			
SCALE_LOG_VOLUME		N NUMBER	3,2
Net cruise log volume for the cutting authority being appraised based on scale records recorded per m3.			
COMPUTED_LOG_VOL		N NUMBER	3,2
Net average log volume for the cutting authority being appraised. Recorded as a cubic metre value.			
AVERAGE_SIDE_SLOPE		N NUMBER	4,0
The unweighted average of the maximum side slopes of all cruise plots situated within the cutting authority.			
SCND_GROWTH_IND		N CHAR	1
An indication as to whether or not the stand is second growth.			
TTT_HELI_COST		N NUMBER	7,4
Calculated cost per cubic metre for logs utilizing helicopter tree to truck methods.			
TTT_CONVENTNL_COST		N NUMBER	7,4
Calculated cost per cubic metre for logs utilizing conventional tree to truck methods.			
HELI_FLIGHT_DIST		N NUMBER	5,1
Average one-way flight distance for helicopter logging.			
HEMLOCK_BALSAM_PCT		N NUMBER	3,0
Percentage of hemlock and balsam being logged by helicopter.			
BLOWDOWN_PCT		N NUMBER	3,0
The percent of net volume that is not standing due to natural causes within the area to be selectively logged.			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL OPERATING COST

MAY BE identifies one or more LOGSYS_VOL_RATE

* = Relationships in primary unique identifier.

Entity Name:	APP TREE TO TRUCK COST (cont'd)	Short Name:	ATC
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Unique Identifiers:

ATC_PK	Primary	Y
MUST BE is part of one and only one APPRAISAL OPERATING COST		

Entity Name: APP TREE TO TRUCK REMOTE COSTS		Short Name:	ATRT
Plural:	APP_TTT_RCST_TB		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The additional cost of remote operations that may be incurred to harvest a tree and load it onto a logging truck, ready for transport to a point of origin.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* REMOTENESS_IND		N	CHAR	1
A flag to indicate that this a remote operation.				
* EFFECTIVE_DATE		N	DATE	
The date on which the remote costs become effective.				
REMOTE_COST_M3		N	NUMBER	5,2
The cost of remote operations per cubic metre.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated tree to truck remote cost record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

ATRT_PK	Primary	Y
REMOTENESS_IND		
EFFECTIVE_DATE		

Entity Name: APP WATER TRNSP COST			Short Name:	AWCT
Plural:	APP_WTR_CST_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The cost estimate for water transportation rate for an appraisal. Average cost estimates (both barging and towing) from specific points of origin.

Attributes:				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PT_OF_APPRAISAL_ST		N	VARCHAR2	4
A code representing the geographic location where the appraised cost estimating ends. This code is a subtable of the BC Location Code in code list.				
* PT_OF_ORIGIN_ST		N	VARCHAR2	4
The code representing geographic locations where logs are off loaded from trucks for water transportation. This code is a subtable of the BC Location Code in code list.				
* EFFECTIVE_DATE		N	DATE	
The date on which the water transportation cost becomes effective.				
WATER_TRANSPORT_CD		N	VARCHAR2	1
A code representing the type of water transportation used. Valid values are 'B' (Barge) and 'T' (Towing).				
WATER_TRNSP_CST_M3		N	NUMBER	5,2
Costs per cubic metre for both barging and towing from specific points of origin for an appraisal.				
COMMITTED_IND		N	VARCHAR2	1
An indication as to whether or not the associated water transportation cost record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies 1 point of origin one or more ADS CUTTING AUTHORITY DETAIL
MAY BE identifies 2 point of origin one or more ADS CUTTING AUTHORITY DETAIL
MAY BE identifies nearest point of origin one or more APPRAISAL DATA SUBMISSION
MAY BE identifying primary water transport point for one or more COAST APPRAISAL
MAY BE indicates second water transport point of one or more COAST APPRAISAL
* = Relationships in primary unique identifier.

Unique Identifiers:

AWCT_PK	Primary	Y
PT_OF_APPRAISAL_ST		
PT_OF_ORIGIN_ST		
EFFECTIVE_DATE		

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

Description:
Contains messages about conditions within an application.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SYSTEM_ABBR		N	VARCHAR2	3
Approved abbreviation for a system name.				
* MESSAGE_NUMBER		N	NUMBER	3,0
Sequential number assigned to the condition within an application.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

AM_PK	<i>Primary</i>	Y
SYSTEM_ABBR		
MESSAGE_NUMBER		

Entity Name: APPR BASIC SILV COST M3 TABLE		Short Name:	ABM
Plural:	APP_BSILV_M3TBL		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Contains the Basic Silviculture Cost Estimate per Cubic Metre, according to Effective Date and Forest District, for Coast Appraisal Worksheets.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE_DATE		N	DATE	
The date that the Basic Silviculture Cost Estimate per cubic metre becomes effective. Applicable to Appraisal Worksheets with Appraisal Effective Date on or after the Effective Date.				
* GEOGRAPHIC_DISTRCT		N	NUMBER	7,0
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".				
COMMITTED_IND		N	CHAR	1
An indication to whether or not the Basic Silviculture Cost Estimate per cubic metre has been reviewed and approved.				
BASIC_SILV_CST_M3		N	NUMBER	6,2
Contains the Basic Silviculture Cost Estimate per cubic metre, according to Effective Date and Forest District, for Coast Appraisal Worksheets.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

ABM_PK	Primary	Y
EFFECTIVE_DATE		
GEOGRAPHIC_DISTRCT		

Entity Name: APPR BASIC SILVICULTURE COST			Short Name:	ASC1
Plural:	APP_SILV_COST			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This entity contains the basic silviculture costs for each treatment regime associated with a mark. Basic silviculture cost estimates are made for all cutting authorities where basic silviculture is required and for the Small Business Forest Enterprise Program cutting authorities.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TREATMENT_REGIME		N	VARCHAR2	2
The grouping for areas requiring similar silviculture treatment.				
* SEQUENCE_NUMBER		N	NUMBER	4,0
Sequence number which will be used to preserve order entry and allow for multiple entries for a given treatment regime to be entered on an appraisal worksheet.				
MERCHANTABLE_AREA		N	NUMBER	7,1
The timbered area for the mark requiring basic silviculture treatment.				
NC_BRUSH_AREA		N	NUMBER	7,1
The non-timbered area for the mark requiring basic silviculture.				
LCL_NETDN_FACT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities.				
SILVIC_COST_EST		N	NUMBER	11,2
The cost of basic silviculture required to re-establish the harvested forest, for a particular treatment regime, expressed in dollars.				
VOLUME_REMOVAL_FCT		N	NUMBER	4,0
A factor applied to the silviculture cost estimate to reflect the volume of timber removed from the treatment regime being selectively logged.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE is part of one and only one APP INT SILVICULTURE CST SUMMARY
* = Relationships in primary unique identifier.

Unique Identifiers:

ASC1_SK	Primary	Y
TREATMENT_REGIME		
SEQUENCE_NUMBER		

Entity Name: APPR CATTLE GUARD FENCE COST		Short Name:	ACC
Plural:	AP_CTLGDFNC_CST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The number of cattle guards and 100-metre sections of fence (either wing fence or remedial) for the mark, and their associated costs as derived from the cattle guard and fence cost table.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
NMBR_CATTLE_GUARDS		N	NUMBER	2,0
The number of cattle guards for the mark.				
CTL_GD_TOTAL_COST		N	NUMBER	5,0
The dollar cost of all cattle guards for the mark.				
NUMBER_OF_FENCES		N	NUMBER	4,0
The number of 100 metre lengths (wing and/or remedial fence) for the mark.				
FENCE_TOTAL_COST		N	NUMBER	7,0
The dollar cost of all fencing (wing and/or remedial) for the mark.				
NO_PIPE_CROSSINGS		N	NUMBER	4,0
Number of appraised pipeline crossings per mark.				
PIPE_CROSS_TTL_CST		N	NUMBER	7,0
Total cost of pipeline crossings per mark				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ACC_PK	Primary	Y
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MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST

Entity Name: APPR GROUND SKIDDING SELECTIVE**Short Name:**

AGS

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

This entity represents factors that will modify the selective ground skidding phase of an appraisal. These factors include: soft track skidding, heavy fire damage, dead useless snags, and blowdown.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SEL_GRND_SKID_VOL		N	NUMBER	7,0
Volume used to prorate the selective ground skidding logging system cost.				
VOLUME_PER_TREE_M3		N	NUMBER	3,2
Average net merchantable volume per tree for the area being selectively logged.				
VOL_PER_HECTARE_M3		N	NUMBER	9,2
The average net merchantable volume per hectare for the area to being selectively logged.				
AVG_SIDE_SLOPE_PCT		N	NUMBER	3,0
The unweighted average of the maximum side slopes of all cruise plots situated within the area to be selectively logged.				
BLOWDOWN_PERCENT		N	NUMBER	3,0
The percent of net volume that is not standing due to natural causes within the area to be selectively logged.				
HVY_FIRE_DMG_PCT		N	NUMBER	3,0
The percent of net volume that is heavily damaged by fire for the area to be selectively logged.				
DEAD_USELS_SNG_PCT		N	NUMBER	2,0
The percentage of snags in relation to the sum of conifer stems and snags for the area to be selectively logged.				
CRLR_TRCTR_SKD_PCT		N	NUMBER	3,0
The percentage of selectively logged timber by crawler tractor skidding.				
SOFT_TRK_SKID_PCT		N	NUMBER	3,0
The percentage of selectively logged timber by soft track skidding.				
SLCTV_LOGGING_PCT		N	NUMBER	3,0
The percentage of timber selectively logged.				
INTERIOR_BGC_ST		N	VARCHAR2	4
The most predominant Biogeoclimatic Zone for the area to be selectively logged within this cutting authority. Subset of BGC_ZONE code.				
STAND_DEFECT_PCT		N	NUMBER	3,0
The percent of gross decay, waste, and breakage percent for the area to be logged by ground skidding selective cut method.				
LOW_GRND_PRSSR_PCT		N	NUMBER	3,0
The percentage of the volume to be harvested by the Low Ground Pressure - Ground Skidding (partial cut) method.				

* = Attributes in primary unique identifier.

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

* MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AGS_PK

Primary Y

MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

Entity Name: APPR ICE BRIDGE SILVICULTURE CST**Short Name:**

AIC

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

The silviculture costs for areas of the mark accessible by ice bridge. Treatment regimes are the same as for basic silviculture, but the costs for these areas are increased by a factor (currently cost * 1.2) to recognize the increased difficulty of access during summer months.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TREATMENT_REGIME		N	VARCHAR2	2
The grouping for areas requiring similar silviculture treatment.				
MERCHANTABLE_AREA		N	NUMBER	7,1
The timbered area for the mark requiring basic silviculture treatment, that is accessed by ice bridge.				
NC_BRUSH_AREA		N	NUMBER	7,1
The non-timbered area for the mark requiring basic silviculture, that is accessed by ice bridge.				
LCL_NETDN_FACT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities, for areas accessed by ice bridge.				
ICE_BRDG_SILV_COST		N	NUMBER	11,2
The cost in dollars for a particular silviculture treatment regime for the area of the mark accessible by ice bridge.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MUST BE is part of one and only one APP INT SILVICULTURE CST SUMMARY

* = Relationships in primary unique identifier.

Unique Identifiers:

AIC_PK

Primary Y

TREATMENT_REGIME

Entity Name: APPR INT ADMINISTRATION COST**Short Name:**

AIAC

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

This entity deals with estimates of cost of administering an Interior mark. The estimates are expressed in \$/m3 and may include: Overhead cost estimates; Admin. Specified Operation cost estimates; Low Volume additive cost estimates; Accommodation cost estimates, and Remoteness cost estimates.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
ACCOMODATION_IND		N CHAR	1
An indication as to whether or not accomodation is accessible.			
MARSHLPT_TRAVL_IND		N CHAR	1
Indicates (when 'Y') that the crew travel time from the marshalling point to the centre of the cutting authority is greater than 90 minutes. Also, if the value is 'Y' then non-remote accommodation cost is allowed.			
GENRL_ADMIN_CST_M3		N NUMBER	5,2
The cost per m3 for general administration for the mark.			
OPERATIONAL_CST_M3		N NUMBER	5,2
The cost per m3 for operational costs for the mark.			
ACCOMODATN_COST_M3		N NUMBER	5,2
The accomodation cost per m3 for the mark.			
ADMIN_SPEC_OP_DESC		N VARCHAR2	25
A description of the admin specified operation cost. The descrption is the reason for directly entering the cost.			
ADMN_SPC_OP_CST_M3		N NUMBER	5,2
A cost estimate determined for a specified administration operation (see ADMINISTRATION_SPECIFIED OP COST).			
LOWVOL_ADTV_CST_M3		N NUMBER	7,4
Low volume additive is zero unless the allowable annual cut or total net cruise volume is less than 5000 cubic metres.			
ISOLATD_CT_LOCN_CD		N CHAR	1
A location associated with an isolated cost estimate. Isolated cutting locations are: 1. Kinbasket Lake; 2. Williston Lake; 3. All Other Lakes; 4. Niteal Rail.			
ISOLATD_CT_COST_M3		N NUMBER	5,2
The isolated cost estimate covers the costs of moving people, equipment and supplies across non-road portions of a route to a camp. Includes various camp depreciation, maintenance and operating costs.			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL OPERATING COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AIAC_PK

Primary Y

MUST BE is part of one and only one APPRAISAL OPERATING COST

Entity Name: APPR INT TABULATED BRIDGE COST		Short Name:	AITC1
Plural:	APPINT_TBBR_CST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The Appraisal Tabulated Bridge Cost is the information used to determine the cost of a bridge. The Bridge Cost is for Tabulated Bridges for an Interior mark. Tabulated Bridge Cost estimates are determined from a standard bridge cost table.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BRIDGE_ID		N	VARCHAR2	10
Unique identifier for a bridge within a cutting authority.				
BRIDGE_SPAN		N	NUMBER	4,0
Length of the identified bridge in metres.				
BRIDGE_CRIB_HEIGHT		N	NUMBER	4,0
The average height of the identified bridge in metres.				
TAB_BRDG_APPLC_VOL		N	NUMBER	7,0
Total volume of logs that will be transported over the identified tabulated bridge.				
TAB_BRDG_APPLC_CST		N	NUMBER	8,0
The total cost to the mark of the identified bridge.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AITC1_PK	Primary	Y
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MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST

BRIDGE_ID

Entity Name: APPR INT TABULATED ROAD DETAIL**Short Name:**

AITD

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

The Appraisal Tabulated Road Detail is the road information used to determine an estimate of the cost of a section of road for an Interior mark, using road cost tables.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* ROAD_SECTION_NMBR		N NUMBER	4,0
Number of a section of tabulated road within a road identity. Note that each new section number represents a change in section length, soil moisture, side slope, construction category, boulder percent, or stabilizing materials used.			
ROAD_TYPE_CODE		N CHAR	1
Describes the type of road. Valid Road Types, dependent on Appraisal Effective Date, are Main, Operational, Winter, and Block.			
SECTION_LENGTH		N NUMBER	5,2
Length of a section of a tabulated road (as identified by the section number) in kilometres within a road identifier.			
SOIL_MOIST_TYPE_CD		N CHAR	1
A general description of the moisture content of the soil based on drainage pattern and vegetation.			
UPHLL_SD_SLOPE_PCT		N NUMBER	3,0
The slope percent is measured at right angles to the road centerline and recorded to the nearest integer. This percentage represents all slopes in the section.			
CONSTRUCT_CAT_CODE		N CHAR	1
Construction category is determined on the basis of the representative rock and other materials used in the subgrade.			
BOULDER_PERCENT		N NUMBER	3,0
A cost additive for road construction and landings when there is a significant percentage of boulders in the section.			
STABLZ_MATERIAL_CD		N CHAR	1
A code used to represent the type of materials used to stabilize the road. Valid types are 'G' (Gravel) and 'R' (Rock).			
STABLZ_LENGTH		N NUMBER	3,1
The length of road section requiring stabilizing material.			
STABLZ_HAUL_DIST		Y NUMBER	3
Distance from the stabilizing material source to the mid-point of the road section being stabilized, in kilometres and measured to the nearest 0.1 kilometre.			
NUMBER_OF_LANDINGS		N NUMBER	2,0
The number of landings within a road section.			
ROAD_SECTION_COST		N NUMBER	9,2
The cost of a section of development for an identified tabulated road section.			
ROCK_PERCENT		N NUMBER	4,0
Percentage of rock (including large boulders, may be rippable or may require drilling and blasting) in earth where subgrade construction is being performed. Used as a factor in Subgrade cost estimate calculation.			
STABLZ_MATERL_DPTH		N NUMBER	3,2
The depth of stabilizing material required for the road section in metres.			
SOIL_TEXTURE_PCT		N NUMBER	3,0
The percentage of silt, clay, and loam soils found in the road section.			

* = Attributes in primary unique identifier.

Entity Name:	APPR INT TABULATED ROAD DETAIL (cont'd)	Short Name:	AITD
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Relationships:

Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPR INT TABULATED ROAD SUMMARY
- * = Relationships in primary unique identifier.

Unique Identifiers:

AITD_PK	Primary	Y
MUST BE is part of one and only one APPR INT TABULATED ROAD SUMMARY		
ROAD_SECTION_NMBR		

Entity Name: APPR INT TABULATED ROAD SUMMARY			Short Name:	AITS
Plural:	APPINT_TBRD_SUM			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The total cost of each road used by the mark. Made up of road details and allocated to the mark based on mark volume divided by applicable volume for each road.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APP_TAB_ROAD_ID		N	VARCHAR2	10
A unique identifier for each tabulated road within an appraisal.				
APP_TAB_RD_TTL_LEN		N	NUMBER	5,1
The total length of all of the sections for the mark.				
APP_TAB_RD_TTL_CST		N	NUMBER	9,2
The cost of the identified tabulated road development.				
APP_TAB_RD_NO_LAND		N	NUMBER	3,0
This figure represents the total number of landings for a specific road.				
APP_TAB_RD_NO_SECT		N	NUMBER	3,0
This figure represents the total number of sections for a specific road.				
APP_TAB_RD_APLCVOL		N	NUMBER	7,0
The total volume over which the total road cost is to be divided. Not necessarily tied to the mark.				
APP_TAB_RD_APLCCST		N	NUMBER	9,2
The total tabulated road cost for an identified road to be charged to the mark.				
INTERIOR_BGC_ST		N	VARCHAR2	4
The most predominant Biogeoclimatic Zone which this road covers within and servicing the Cutting Authority. Subset of BGC_ZONE.				
TBRD_ALLOC_CST_IND		N	CHAR	1
An indicator that the cost of the road estimated by tabular means has been assumed by the crown. This road cost will be included in the development levy.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE contains one or more APPINT_TBRD_DTL

* MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AITS_PK	Primary	Y
MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST		
APP_TAB_ROAD_ID		

Entity Name: APPR INTERIOR DEVELOPMENT COST**Short Name:**

AIDC

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

Development costs are estimated for three construction phases: subgrade construction, placement of stabilizing material, and installation of drainage structures. This entity contains the calculated development costs for an Interior mark. Included are road, bridge, culvert, cattle guard, fence and landing construction, expressed in total dollars for each.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
TABULTD_RD_LENGTH		N	NUMBER	5,2
Total length of all tabulated roads within the timber mark.				
TABULTD_RD_COST		N	NUMBER	9,2
The total cost to develop all indicated tabulated roads.				
TAB_BRIDGE_COST		N	NUMBER	9,2
Total tabulated bridge cost for the timber mark.				
TAB_CULVERT_COST		N	NUMBER	9,2
Total tabulated culvert cost for the timber mark.				
CTL_GRD_FENCE_COST		N	NUMBER	7,2
Total cattle guard and fence cost for the timber mark.				
RECONSTRUCTN_COST		N	NUMBER	9,2
Total reconstruction cost for the timber mark.				
ENGINEERED_COST		N	NUMBER	9,2
Total of all engineered costs for the timber mark.				
ALLOCATED_COST		N	NUMBER	9,2
The total of all allocated costs for the mark.				
TAB_CULVT_APPL_VOL		N	NUMBER	6,0
Total volume over which the total culvert cost is to be divided. (Not necessarily tied to one mark).				
ROAD_GROUP_ID		N	NUMBER	2,0
Identifies a road group. The calculation for each road group is used to estimate tabulated road costs.				

* = Attributes in primary unique identifier.

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

MAY BE contains one and only one APPR CATTLE GUARD FENCE COST

MAY BE contains one or more APPINT_TBBD_CST

MAY BE contains one or more APPINT_TBRD_SUM

MAY BE contains one or more APP_ALLOC_COST

MAY BE contains one or more APP_ENGINRD_CST

* MUST BE is part of one and only one APPRAISAL OPERATING COST

MAY BE contains one or more APP_TB_CLVT_CST

MAY BE contains one or more APP_LWR_RCN_CST

* = Relationships in primary unique identifier.

Unique Identifiers:

AIDC_PK

Primary Y

MUST BE is part of one and only one APPRAISAL OPERATING COST

Entity Name: APPR INTERIOR LOG TRANSPORT COST**Short Name:**

AILC

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

The total of truck hauling, water and other transportation costs expressed in \$/m3 required to move the logs from the landing (place of loading) to the point of appraisal (the off loading point), for one transportation system of an interior timber mark.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* COST_TYPE_CD		N CHAR	1
Identifies the type of transportation system for which costs are being recorded. Current values are: S (summer transportation costs), W (winter transportation costs) and A (non season specific transportation costs).			
TRUCK_HAUL_MTHD_CD		N CHAR	1
A code signifying the truck hauling method. Valid values are 'H' (Highway) and 'O'(Off-Highway).			
PRIMARY_CYCLE_HRS		N NUMBER	3,1
The total round trip time to the point of unloading.			
PRIMARY_LOAD_MN		N NUMBER	3,0
The time in hours for primary haul to load.			
PRIMARY_UNLOAD_MN		N NUMBER	3,0
The time in hours for the primary haul to unload.			
PRI_UNAVD_DELY_MN		N NUMBER	3,0
The time in hours anticipated for unavoidable delay for the primary haul.			
ROAD_MAINTNCE_IND		N CHAR	1
Shows whether or not road maintenance costs will be allowed within the identified timber mark.			
SCNDRY_CYCLE_HRS		N NUMBER	3,1
The total round trip time to the point of unloading. Used in secondary haul cost estimate calculation.			
SCNDRY_HAUL_DST_KM		N NUMBER	5,1
The distance between reload point to the next point of unloading.			
SCNDRY_HAUL_CST_M3		N NUMBER	5,2
The overall cost per m3 for truck haul from the reload point to the point of unloading.			
SECONDARY_LOAD_MN		N NUMBER	3,0
The time in minutes for secondary haul to load.			
SECONDARY_UNLD_MN		N NUMBER	3,0
The time in minutes for the secondary haul to unload.			
SEC_UNAVD_DELY_MN		N NUMBER	3,0
The time in minutes anticipated for unavoidable delay for the secondary haul.			
HAUL_SPP_TYPECODE		N NUMBER	3,0
For situations where cycle time detail is required, this number represents the species type to be used for calculations.			
HAUL_VOL_PER_TREE		N NUMBER	3,2
For situations where cycle time detail is required, this represents the average volume per tree to be hauled.			
HAUL_DWB_PCT		N NUMBER	3,0
For situations where cycle time details is required, this represents the decay, waste, and breakage percentage to be used in calculations.			
LAKE_TOW_DIST_KM		N NUMBER	4,0
A one-way tow distance between the dumping site and the de-watering site.			
TRUCK_HAUL_COST_M3		N NUMBER	7,4

Entity Name:	APPR INTERIOR LOG TRANSPORT COST (cont'd)	Short Name:	AILC
The overall cost allowance per m3 for truck haul to the point of unloading.			
LAKE_TOW_COST_M3	N NUMBER	5,2	
The cost for lake tow between the dumping site and the dewatering site.			
ROAD_MTC_COST_M3	N NUMBER	5,2	
The cost allowance per m3 for road maintenance.			
RD_LAND_USE_CHG_M3	N NUMBER	5,2	
The fee per cubic metre to be charged for using private lands or roads.			
TOT_WTR_TRN_CST_M3	N NUMBER	5,2	
The total water transportation cost per m3: the sum of all Appraisal_Water_Transport_Cost allowances.			
TOT_SPCLTRN_CST_M3	N NUMBER	5,2	
The total special transport costs for log transport: the sum of all Appr_Special_Transport_Cost allowances.			
DUMP_BOOM_IND	N CHAR	1	
An indication as to whether or not dump and booming is required as part of the log transportation.			
DEWATER_IND	N CHAR	1	
An indication as to whether or not an allowance for dewater unloading is to be factored into the log transportation costs.			
RELOAD_IND	N CHAR	1	
An indication as to whether or not an allowance for reloading is to be factored into the log transportation costs.			
LAKE_TRANSPORT_ST	N VARCHAR2	4	
A code which identifies a lake to which water transportation cost estimates apply, and contribute to the appraisal costs. A subset of BC_LOCATION_CODE.			
LOG_TRNSP_VOL_M3	N NUMBER	7,0	
The volume in cubic metres of timber of timber to be transported on a log transportation system.			
RD_LAND_USE_DESC	N VARCHAR2	25	
A description of a charge incurred by the licensee for log transportation on roads built on private land.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

MAY BE is calculated for one or more APP_SPCLTRN_CST

MAY BE is calculating one or more APR_CYC_TME_DTL

* MUST BE is part of one and only one APPRAISAL OPERATING COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AILC_PK Primary Y

MUST BE is part of one and only one APPRAISAL OPERATING COST
COST_TYPE_CD

Entity Name: APPR INTERIOR TREE TO TRUCK COST	Short Name:	AITC2
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Plural: APPINT_TTT_COST

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

The estimates of costs for items to harvest a tree and load it onto a logging truck, ready for transport to a point of appraisal, for an Interior mark, expressed in \$/m3.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
DIST_MARSHAL_POINT		N NUMBER	3,0
The distance from the timber mark to the marshalling point.			
DIST_SERVICE_CENTRE		N NUMBER	3,0
Distance from the timber mark to the service centre.			
TTT_CONVENTNL_COST		N NUMBER	7,4
Total cost per cubic metre for logs utilizing conventional tree to truck methods.			
TTT_CBL_YARD_COST		N NUMBER	7,4
Total cost per cubic metre for logs utilizing overhead cable logging tree to truck methods. Exclusively for clear cut cable yarding effective 1995. (Previous to 1995 held cost derived from cable yarding clear cut and cable yarding partial cut data)			
TTT_HELI_COST		N NUMBER	7,4
Total cost per cubic metre for logs utilizing helicopter tree to truck methods.			
TTT_HORSE_LOG_CST		N NUMBER	7,4
Total cost per cubic metre for logs utilizing horse logging tree to truck methods.			
SPEC_OPRN_DESCRIPTOR		N VARCHAR2	20
This field represents the textual qualification for an entered specified operation.			
SPEC_OPRN_COST_M3		N NUMBER	5,2
This field represents the dollar per cubic metre cost for a specified operation.			
APP_SRVC_CENTRE_ST		N VARCHAR2	4
A code signifying a designated location that supplies major heavy equipment parts and service.			
MARSHAL_POINT_ST		N VARCHAR2	4
A code signifying the closest point where the labour supply for the mark could come from.			
SPEC_OPRN_VOLUME		N NUMBER	10,0
The volume in cubic metres of logs that are handled by the specified operation of the tree to truck phase.			
APP_SUPP_CENTRE_ST		N VARCHAR2	4
Closest centre to the cutting authority being appraised where support services can be provided.			
DIST_SUPP_CENTRE		N NUMBER	4,0
Distance in kilometres to the closest support centre.			
TTT_SELECT_COST_M3		N NUMBER	7,2
Total cost per cubic metre for logs utilizing ground skidding selective cut tree to truck methods.			
TTT_OHC_PARTL_COST		N NUMBER	7,2
Total cost per cubic metre for logs utilizing overhead cable yarding partial cut tree to truck method. This data is valid effective 1995.			
TTT_SKYLINE_CST_M3		N NUMBER	7,2
Total cost per cubic metre for logs utilized by skyline yarding method for clear cutting.			
SKYLINE_PARTL_CST		N NUMBER	7,2
Total cost per cubic metre for logs utilized by skyline yarding method for partial cutting.			
ACCESS_CAMP_IND		N CHAR	1

Entity Name:	APPR INTERIOR TREE TO TRUCK COST (cont'd)	Short Name:	AITC2
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An indication of whether or not the cutting authority is accessible from a camp.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains one and only one APPR GROUND SKIDDING SELECTIVE
- MAY BE contains one and only one APPR TREE TO TRUCK CBL YARD VARS
- MAY BE contains one and only one APPR TREE TO TRUCK CONVENT VARS
- MAY BE contains one or more APP_TTT_OTH_CST
- * MUST BE is part of one and only one APPRAISAL OPERATING COST
- MAY BE contains one and only one SKYLINE YARDING
- MAY BE contains one and only one TREE TO TRUCK CBL YARD PART CUT
- * = Relationships in primary unique identifier.

Unique Identifiers:

- | | | |
|----------|---------|---|
| AITC2_PK | Primary | Y |
|----------|---------|---|
- MUST BE is part of one and only one APPRAISAL OPERATING COST

Entity Name: APPR MANUFACTURING COST		<i>Short Name:</i>	AMC
<i>Plural:</i>	APP_MANUFCT_CST		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The cost of manufacturing lumber and chips for a species, from dewatering or loading of logs onto trucks, to the loading of the lumber or chips onto railcars ready for shipment to markets. Costs are derived from a survey of mills within each of the three manufacturing zones in the interior regions.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPP_MANFTR_CST_M3		N	NUMBER	5,2

The tabulated manufacturing cost for the species. (I.A. manual, p. 83 - 84)

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

* MUST BE is calculated for one and only one APPRAISAL INTERIOR SPECIES

* = Relationships in primary unique identifier.

Unique Identifiers:

AMC_PK	<i>Primary</i>	Y
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MUST BE is calculated for one and only one APPRAISAL INTERIOR SPECIES

Entity Name: APPR POST LOGGING COST			Short Name:	APC
Plural:	APP_POSTLOG_CST			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Post logging costs are those incurred after logging because of treatments specified in the cutting authority. These may include slashing, tree marking, water bars, or landing rehab. This subtype of logging cost is the total of post logging costs expressed as \$per m3.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
POST_LOG_COST_M3		N	NUMBER	3,2
The total cost incurred after logging for post logging treatments, expressed in \$ per m3.				
APP_SPP_GROUPCODE		N	NUMBER	1,0
A number representing the species group that will be harvested. Valid range: 1 through 5.				
APP_SPP_TYPECODE		N	NUMBER	1,0
A number representing the species composition that will be harvested. Valid range: 1 through 5.				
NMBR_PHERMN_BAIT		N	NUMBER	2,0
The number of baits used per hectare in post logging treatment pheromone trapping.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE contains one or more APR_PSTLG_C_DTL

* MUST BE is part of one and only one APPRAISAL OPERATING COST

* = Relationships in primary unique identifier.

Unique Identifiers:

APC_PK	Primary	Y
MUST BE is part of one and only one APPRAISAL OPERATING COST		

Short Name: APCD

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

The cost in \$/m3 of individual post logging treatments.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
-------------	---------------	------------	---------------	---------------

The code for a treatment specified for the mark.

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

The cost incurred after logging for this type of post logging treatment, expressed in \$ per m3. (I.A. manual, p. 80)

* = Attributes in primary unique identifier.

Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

APCD_PK	Primary	Y
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MUST BE is part of one and only one APPR POST LOGGING COST

POST_LOG_TRTMT_CD

SILV_SYSTEM_CODE

ASC2

Annual Growth Rate:

This cost is for special log transportation situations not covered by the regular log transportation categories. This cost will apply to one transportation system (e.g. Summer or Winter log transportation).

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
SPCL_TRNSP_TYPE_CD		N	VARCHAR2	3
A code representing tranportation not otherwise covered. (I.A. Manual, p. 71 - 73)				
SPCL_TRNSP_LOCN		N	VARCHAR2	25
A description of the location of the specified operation transportation cost. This identifies the reason for directly entering the transportation log cost versus letting the system calculate it.				
SPCL_TRNSP_COST_M3		N	NUMBER	5,2
The cost in \$ per m3 associated with a special transport situation.				
SPCLTRN_APPLC_VOL		N	NUMBER	7,0
Total volume of logs that will be hauled using the special transportation method indicated.				

* = Attributes in primary unique identifier.

Each Occurrence Of This Entity:

* MUST BE calculates one and only one APPR INTERIOR LOG TRANSPORT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ASC2_PK Primary Y

MUST BE calculates one and only one APPR INTERIOR LOG TRANSPORT COST

SPCL_TRANSP_TYPE_CD

HDBS_SPP_PRD_GRADE

Entity Name: APPR SPECIFIED SILVICULTURE COST		Short Name:	ASC3
Plural:	APP_SPECSIL_CST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The costs associated with specific silviculture operations that have the same cost throughout the interior, eg. Mistletoe control and root disease control.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MISTLETOE_AREA		N	NUMBER	7,1
The area requiring mistletoe control.				
MISTLETOE_COST		N	NUMBER	11,2
The total cost estimate in dollars for mistletoe treatment for the mark.				
ROOT_DIS_CTL_COST		N	NUMBER	7,0
The total cost estimate for root disease control, currently entered as an engineered cost (ie total dollars for the mark).				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE is part of one and only one APP INT SILVICULTURE CST SUMMARY

* = Relationships in primary unique identifier.

Entity Name: APPR TREE TO TRUCK CBL YARD VARS**Short Name:**

ACV

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

The variables used to calculate the additional cost that may be incurred to utilize the cable yarding logging system.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
CABLE_YARD_VOLUME		N	NUMBER	7,0
The volume of trees expressed in m3 to utilize cable yarding.				
APP_SPP_TYPECODE		N	NUMBER	1,0
A code based on the species composition to be logged by cable yarding. Valid range: 1 through 5.				
VOLUME_PER_TREE_M3		N	NUMBER	3,2
Average net merchantable volume per tree for cable yarding logging methods.				
VOL_PER_HECTARE_M3		N	NUMBER	9,2
Average net merchantable volume per hectare of the area to be logged by overhead cable yarding.				
AVG_SIDE_SLOPE_PCT		N	NUMBER	3,0
The unweighted average of the maximum side slopes of all cruise plots situated within the area to be logged by cable yarding methods.				
STAND_DEFECT_PCT		N	NUMBER	2,0
Percent of total decay, waste, and breakage in the stand to be cable yarded. This figure is supplied from the cruise.				
BLOWDOWN_PERCENT		N	NUMBER	3,0
The percentage for the area of net volume that is not standing due to natural causes that will be cable yarded.				
HVY_FIRE_DMG_PCT		N	NUMBER	3,0
The percentage of net volume that has received heavy fire damage for the area that will be cable yarded.				
DEAD_USELS_SNG_PCT		N	NUMBER	3,0
The percent of dead useless snags in relation to the sum of conifer stems and snags for the area to be logged by cable yarding.				
INTERIOR_BGC_ST		N	VARCHAR2	4
The most predominant Biogeoclimatic Zone of the area to be logged by Overhead Cable Yarding within the Cutting Authority. Subset of BGC_ZONE code.				
SLCTV_LOGGING_PCT		N	NUMBER	3,0
The percentage of timber selectively logged.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ACV_PK

Primary Y

MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

Entity Name: APPR TREE TO TRUCK CONVENT VARS**Short Name:**

ATCV

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

These are factors that modify the conventional tree to truck costs for a mark, including stand defect percent, blowdown volume, selective logging percent and winter logging percent.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
APP_SPP_GROUPCODE		N	NUMBER	1,0
A code based on the species composition to be logged by conventional methods. Valid range: 1 through 5.				
APP_SPP_TYPECODE		N	NUMBER	1,0
A number representing the species composition to be logged by conventional methods. Valid range: 1 through 5.				
CNVNTNL_LOGGING_VOL		N	NUMBER	7,0
Volume used to prorate the conventional logging system cost.				
VOLUME_PER_TREE_M3		N	NUMBER	3,2
Average net merchantable volume per tree for conventional logging methods.				
VOL_PER_HCTARE_M3		N	NUMBER	4,0
The average net merchantable volume per hectare for the area to be logged by conventional methods.				
STAND_DEFECT_PCT		N	NUMBER	2,0
The percent of gross decay, waste, and breakage percent for the area to be logged by conventional methods.				
AVG_SIDE_SLOPE_PCT		N	NUMBER	3,0
The unweighted average of the maximum side slopes of all cruise plots situated within the area to be logged by conventional methods.				
BLOWDOWN_PERCENT		N	NUMBER	3,0
The percent of net volume that is not standing due to natural causes within the area to be logged by conventional methods.				
HVY_FIRE_DMG_PCT		N	NUMBER	3,0
The percent of net volume that is heavily fire damaged for the area to be logged by conventional methods.				
DEAD_USELS_SNG_PCT		N	NUMBER	2,0
The percentage of snags in relation to the sum of conifer stems and snags for the area to be logged by conventional methods.				
CRLR_TRCTR_SKD_PCT		N	NUMBER	3,0
The percentage of conventional logging volume for crawler tractor skidding.				
SOFT_TRK_SKID_PCT		N	NUMBER	3,0
The percentage of conventional logging volume for soft track skidding.				
SLCTV_LOGGING_PCT		N	NUMBER	3,0
The percentage of conventional logging volume for selective logging.				
WINTER_LOGGING_PCT		N	NUMBER	3,0
The percentage of conventional logging volume required to be harvested during winter.				
INTERIOR_BGC_ST		N	VARCHAR2	4
The most predominant Biogeoclimatic Zone for the area to be clear cut within the cutting authority. Subset of BGC_ZONE code.				
LOW_GRND_PRSSR_PCT		N	NUMBER	3,0
The percentage of the volume to be harvested by the Low Ground Pressure - Ground Skidding (clear cut) method.				

* = Attributes in primary unique identifier.

Entity Name:	APPR TREE TO TRUCK CONVENT VARS (cont'd)	Short Name:	ATCV
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Relationships:

Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST
- * = Relationships in primary unique identifier.

Unique Identifiers:

ATCV_PK	Primary	Y
MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST		

Entity Name: APPR TREE TO TRUCK OTHER COSTS			Short Name:	ATOC
Plural:	APP_TTT_OTH_CST			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The costs for other system harvesting for the tree to truck phase, expressed in dollars per M3 (other cost volume/mark volume * base table cost per M3).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TTT_OTHR_COST_CODE		N	VARCHAR2	3
A code to uniquely identify the tree to truck phase 'other' cost.				
TTT_OTHR_COST_VOL		N	NUMBER	7,0
The volume of trees utilizing the idicated 'other' cost method.				
TTT_OTHR_COST_COST		N	NUMBER	11,2
The cost for the associated volume of trees to utiize the indicated 'other' tree to truck system.				
YARD_DISTANCE_KM		N	NUMBER	4,1
Total loaded helicopter yarding distance measured to the nearest 0.1 kilometer.				
INTERIOR_BGC_ST		N	VARCHAR2	4
The most predominant Biogeoclimatic Zone of the area to be logged. Subset of BGC_ZONE code.				
AVG_SIDE_SLOPE_PCT		N	NUMBER	3,0
The percentage of the maximum side slopes for the logging method.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ATOC_PK	Primary	Y
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MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

TTT_OTHR_COST_CODE

Entity Name: APPRAISAL ADJUSTMENT PARAMETERS		Short Name:	AAP
Plural:	APPR_ADJ_PARMS		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The Appraisal Adjustment Parameters entity contains information that determines when adjustments will cease for otherwise normally adjustable Appraisal Worksheets.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
CEASE ADJSTMNT DT		N	DATE	
The date beyond which no adjustments will take place for an otherwise normally adjusting Appraisal Worksheet.				
FRZ DFLT BLL RT DT		N	DATE	
The date that will determine the last default billing rates to be applied to an Appraisal Worksheet.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE adjusts one and only one APPRAISAL WORKSHEET

* = Relationships in primary unique identifier.

Unique Identifiers:

AAP	Primary	Y
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MUST BE adjusts one and only one APPRAISAL WORKSHEET

Entity Name: APPRAISAL ALLOCATED COST**Short Name:** AAC1**Plural:** APP_ALLOC_COST**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

This entity deals with the dollar cost estimate for roads and drainage structures constructed at Crown expense for the Small Business Forest Enterprise Program. Allocated Costs are used to determine the Development Levy.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* ALLOCATED_COST_ID		N VARCHAR2	10
A unique identifier for an allocated cost. It may be a portion of a cost incurred by the crown for a Small Business Forest Enterprise Program (SBFEP).			
ALLOCATED_COST_EST		N NUMBER	9,2
A cost incurred by the crown to be charged back to the SBFEP licensee as a development levy.			
ALLOC_APPL_VOLUME		N NUMBER	7,0
Total volume of timber over which the development costs are amortized.			
* = Attributes in primary unique identifier.			

Relationships:Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST
- * = Relationships in primary unique identifier.

Unique Identifiers:

AAC1_PK Primary Y

MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST

ALLOCATED_COST_ID

Entity Name:	APPRAISAL AMENDMENT TYPE CODE			Short Name:	AATC
Plural:	APPRAISAL AMENDMENT TYPE CODE				
Init. Volume:	2	Avg. Volume:	5	Max. Volume:	10
				Annual Growth Rate:	1%

Description:

An indication of the type of amendment being made to the merchantable area of an appraisal.
May be either an Addition or a Deletion to the area harvested.
Will be a subset of the ACTION CODE list.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL AMENDMENT TYPE CODE		N	VARCHAR2	3
Unique code identifying the type of amendment. A; D				
DESCRIPTION		N	VARCHAR2	120
The full description of the 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 indicating type of amendment for one or more ADS AMENDMENT

* = Relationships in primary unique identifier.

Unique Identifiers:

ATC3	Primary	Y
APPRAISAL AMENDMENT TYPE CODE		

Entity Name: APPRAISAL ATTACHMENT XREF**Short Name:** AAXREF**Plural:** APPRAISAL ATTACHMENT XREF**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

The cross reference between appraisal methods and the attachments that can be submitted with each.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
DISPLAY ORDER		N NUMBER	2
The order that the item should display in screen and reports.			
LICENSEE ACCESS IND		N VARCHAR2	1
A yes/no indicator to identify if the Licensee can attach this type of document to the appraisal file.			
12/16/2002 - Added attribute to indicate role of user			
RPF ACCESS IND		N VARCHAR2	1
A yes/no indicator to identify if the RPF can attach this type of document to the appraisal file.			
12/16/2002 - Added attribute to indicate role of user			
BCTS ACCESS IND		N VARCHAR2	1
A yes/no indicator to identify if the BCTS can attach this type of document to the appraisal file.			
12/16/2002 - Added attribute to indicate role of user			
DISTRICT ACCESS IND		N VARCHAR2	1
A yes/no indicator to identify if the District Administrator can attach this type of document to the appraisal file.			
12/16/2002 - Added attribute to indicate role of user			
REGION ACCESS IND		N VARCHAR2	1
A yes/no indicator to identify if the Region Administrator can attach this type of document to the appraisal file.			
12/16/2002 - Added attribute to indicate role of user			
HEADQUARTERS ACCESS IND		N VARCHAR2	1
A yes/no indicator to identify if the headquarters user can attach this type of document to the appraisal file.			
12/16/2002 - Added attribute to indicate role of user			
REQUIRED IND		N VARCHAR2	1
Indicates if the attachment is required for the submission of the appraisal.			
12/16/2002 - Added attribute to indicate role of user			
UPDATE TIMESTAMP		N DATE	
The date and time the data was last modified			
12/16/2002 - Column added			
UPDATE USERID		N VARCHAR2	30
The userid of the resource who last modified the data.			
12/16/2002 - Column added			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

- * MUST BE attachment type identified by one and only one APPRAISAL DOCUMENT TYPE CODE
- * MUST BE appraisal method identified by one and only one APPRAISAL METHOD CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

Entity Name:	APPRAISAL ATTACHMENT XREF (cont'd)	<i>Short Name:</i>	AAXREF
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AAXREF_PK

Primary Y

MUST BE appraisal method identified by one and only one APPRAISAL METHOD CODE

MUST BE attachment type identified by one and only one APPRAISAL DOCUMENT TYPE CODE

Notes:

- 200212/16 LAS: Added access indicators for each user role to identify which can attach the document to an appraisal file.
- 2002/12/17 LAS: Added Required indictaor to identify which attachments are mandator for submission of appraisal.

Entity Name: APPRAISAL BRIDGE COST			Short Name:	ABC
Plural:	APP_BRIDGE_COST			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The Appraisal Bridge Cost is the information used to determine cost for a bridge. The Bridge Cost is for both Engineered and Tabulated Bridges. Tabulated Bridge Cost estimates are determined from a bridge cost table; Engineered cost is directly entered.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BRIDGE_ID		N	VARCHAR2	10
Identifier for a bridge within a cutting authority.				
APP_BRIDGE_TYPE_ST		N	VARCHAR2	3
Identifies the type of bridge used for cost estimates.				
BRIDGE_SPAN		N	NUMBER	4,0
Length of the identified bridge in metres.				
BRIDGE_CRIB_HEIGHT		N	NUMBER	4,0
The average height of the identified bridge in metres				
BRIDGE_COST		N	NUMBER	7,0
The total cost of the identified bridge.				
BRIDGE_ROLOVER_PCT		N	NUMBER	4,0
The percentage of bridge cost to include in a current appraisal.				
TABULTD_BRIDGE_IND		N	CHAR	1
A flag to indicate whether the identified bridge cost is tabulated or engineered.				
APPLICABLE_VOLUME		N	NUMBER	7,0
The apportioned volume of timber transported over a bridge, culvert or road.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST
- * = Relationships in primary unique identifier.

Unique Identifiers:

ABC_PK	Primary	Y
MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST		
BRIDGE_ID		

Entity Name: APPRAISAL CATEGORY CODE			Short Name:	AATC2
Plural:	APPRAISAL CATEGORY CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Identifies the type of appraisal being submitted.
May be New, Reappraisal or Advertised BCTS.

Attributes:		<u>Opt</u>	<u>Format</u>	<u>Length</u>
<u>Name</u>	<u>Domain</u>			
* APPRAISAL CATEGORY CODE		N	VARCHAR2	1
The unique code to identify the type value.				
DESCRIPTION		N	VARCHAR2	120
The full description of the value.				
EFFECTIVE DATE		N	DATE	
The first 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 identifies appraisal type of one or more APPRAISAL DATA SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

ATC2	Primary	Y
APPRAISAL CATEGORY CODE		

Entity Name: APPRAISAL CERTIFICATION TYPE CODE		<i>Short Name:</i>	APPCTC
<i>Plural:</i>	APPRAISAL CERTIFICATION TYPE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

An indication of whether the RPF has certified that they supervised the submitted appraisal or simply reviewed it.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPLICATION CERTIFICATION TYPE CODE		N	VARCHAR2	1
A unique code to identify the certification type indicated by the RPF.				
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 identify type of certification for one or more APPRAISAL DATA SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

APPCTC	Primary	Y
APPLICATION CERTIFICATION TYPE CODE		

Entity Name: APPRAISAL COAST HARVEST METHOD (		<i>Short Name:</i>	ACHMC
<i>Plural:</i>	APPRAISAL COAST HARVEST METHOD CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The HARVEST METHOD CODE entity contains the values required to identify the various methods that the trees may be harvested by.
This includes: Conventional Grapple, overhead highlead, overhead skyline, helicopter, and horse.
This entity contains only those values valid for Coast Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL HARVEST METHOD CODE		N	VARCHAR2	2
The unique identifier for the method by which the trees are being harvested.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date on which the code value is available for use.				
EXPIRY DATE		N	DATE	
The date after which the code value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time when the code value was last modified.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

HMC	Primary	Y
APPRAISAL HARVEST METHOD CODE		

Notes:

2002/12/06 LAS: Added to support differences between coast and interior harvest method codes

Entity Name: APPRAISAL COAST SELL PRICE ZONE CC		Short Name:	ACSPZC
Plural:	APPRAISAL COAST SELL PRICE ZONE CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

This entity contains the valid Selling Price Zones for Coast Appraisals.
These include:
51 Mature Timber
52 Immature Timber
53 Spruce within the Pemberton, Yale or Nahatlatch TSBs
54 Douglas-fir on the Gulf Islands (Texada, Lasqueti, Denman, Hornby and Southern Gulf Islands)

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL SELL PRICE ZONE CODE		N	VARCHAR2	2
The unique identifier for the selling price zone.				
2002/12/04 LAS: Renamed to APPRAISAL SELL PRICE CODE due to subset requirement				
DESCRIPTION		N	VARCHAR2	120
The full description of the value.				
EFFECTIVE DATE		N	DATE	
The date on which the value is available for use.				
EXPIRY DATE		N	DATE	
The date after which the code 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:

ACSPZC	Primary	Y
APPRAISAL SELL PRICE ZONE CODE		

Notes:

2002/12/06 LAS: Created to show just Coast subset of APPRAISAL SELL PRICE CODE

Entity Name: APPRAISAL COAST SILV FACTORS		Short Name:	ACS
Plural:	APPR_COAST_SILV		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

This entity contains factors (other than org unit data) that impact the coast appraisal silviculture calculations.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
AERIAL_YRDNG_IND		N	CHAR	1
An indication as to whether or not the mark is logged exclusively by aerial methods. Current methods are: helicopter, balloon, skyline and A-frame.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE belongs to one and only one APPRAISAL OPERATING COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ACS_PK	Primary	Y
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MUST BE belongs to one and only one APPRAISAL OPERATING COST

Entity Name:	APPRAISAL CONIFEROUS SPECIES CODE			<i>Short Name:</i>	ACSC
<i>Plural:</i>	APPRAISAL CONIFEROUS SPECIES CODE				
<i>Init. Volume:</i>	25	<i>Avg. Volume:</i>	50	<i>Max. Volume:</i>	100
				<i>Annual Growth Rate:</i>	1%

Description:

The subset of coniferous tree species.
Pulled from the existing SBH_CONIFEROUS subset.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL CONIFEROUS SPECIES CODE		N	VARCHAR2	2
The HDBS Tree Species code value.				
DESCRIPTION		N	VARCHAR2	120
The full description of the coniferous species				
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:

ACSC	<i>Primary</i>	Y
APPRAISAL CONIFEROUS SPECIES CODE		

Entity Name: APPRAISAL CULVERT COST ESTIMATE**Short Name:**

ACC1

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

The identifiers and cost for circular pipe culverts developed for the mark. Round pipe culvert costs are summed by diameter, length and number.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SEQUENCE_NUMBER		N	NUMBER	4,0
Sequence number which will be used to allow for multiple entries (culverts) of the same size and diameter for a given appraisal.				
CIRC_PIPE_DIAMETR		N	NUMBER	3,1
Diameter of a metal circular pipe culvert in metres.				
CIRC_PIPE_LENGTH		N	NUMBER	2,0
The length in metres of the circular culvert to be installed.				
CULVERT_QUANTITY		N	NUMBER	2,0
The number of culverts of a appraised for this timber mark.				
CULVERT_COST		N	NUMBER	6,0
The cost of a type and size of culvert from the TABULATED CULVERT COST ESTIMATE TABLE, multiplied by the number of culverts of this type and size appraised for this Timber Mark.				
CLVRT_ROLLOVER_PCT		N	NUMBER	4,0
The percentage of culvert cost to include in a current appraisal.				
TABULTD_CULVRT_IND		N	CHAR	1
A flag to indicate whether the identified culvert cost is tabulated or engineered.				
APPLICABLE_VOLUME		N	NUMBER	7,0
The apportioned volume of timber transported over a bridge, culvert or road.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ACC1_PK

Primary Y

MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST
SEQUENCE_NUMBER

Entity Name: APPRAISAL CULVERT TYPE CODE		Short Name:	ACTC
Plural:	APPRAISAL CULVERT TYPE CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The various types and sizes of the CULVERTS which are typically built for Logging Roads.
The entity contains the valid codes and descriptions for use in the CULVERT entity.
Will identify Wooden culverts and the diameters of the Metal culverts.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL CULVERT TYPE CODE		N	VARCHAR2	2
The unique code identifying the CULVERT TYPE CODE. For Metal Culverts Example values: 3 4 5 6 7 8 9 10 12 14 16 18 Wooden Culverts: W				
DESCRIPTION		N	VARCHAR2	120
The full description of the value. Examples: 3 - A 0.3 meter diameter culvert 4 - A 0.4 meter diameter culvert				
EFFECTIVE DATE		N	DATE	
The date on which this value becomes available for use.				
EXPIRY DATE		N	DATE	
The date after which the value is no longer available for use.				
UPDATED 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 indicate type of culvert one or more ADS CULVERT
* = Relationships in primary unique identifier.

Unique Identifiers:

CDC	Primary	Y
APPRAISAL CULVERT TYPE CODE		

Entity Name: APPRAISAL CYCLE TIME DETAILS			Short Name:	ACTD
Plural:	APR_CYC_TME_DTL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This entity represents the detail of the log transport cycle time when the summary information contained in the log transport entity is not sufficient. These details apply to one log transportation system (eg. Summer or Winter log transportation).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HAUL_ROAD_ID		N	VARCHAR2	10
A unique identifier for the road or section of road over which the cycle time details applies.				
HAUL_TYPE_CODE		N	CHAR	1
A code signifying the type of haul performed over the identified road. Valid values are P - Primary (haul between the initial load point and the first unload point) and S - Secondary (haul between the reload point and the next point of unloading).				
HAUL_ROAD_TYPE_ST		N	CHAR	1
Identifies the type of road on which hauling will occur. Current values are M - Main (roads used to haul the entire timber mark volume) and J - Junction (roads used to haul a proportion of the timber marks volume). This is a subset of ROAD_TYPE_CODE.				
HAULED_VOLUME		N	NUMBER	8,1
The portion of the total timber mark volume to be hauled on this road segment.				
CYCLE_HAUL_DIST		N	NUMBER	5,1
The distance over which the haul applies.				
SPEED_LOADED_KM_HR		N	NUMBER	3,0
The anticipated average speed that the vehicle will travel over the haul distance when loaded.				
SPEED_EMPTY_KM_HR		N	NUMBER	3,0
The anticipated average speed that the vehicle will travel over the haul distance while empty.				
TRAVEL_TIME_LOADED		N	NUMBER	4,0
The anticipated total number of travel minutes that the vehicle is going to be on the identified road while loaded.				
TRAVEL_TIME_EMPTY		N	NUMBER	4,0
The anticipated total number of travel minutes that the vehicle is going to be on the identified road while empty.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE calculates one and only one APPR INTERIOR LOG TRANSPORT COST
- * = Relationships in primary unique identifier.

Unique Identifiers:

ACTD_PK	Primary	Y
MUST BE calculates one and only one APPR INTERIOR LOG TRANSPORT COST		
HAUL_ROAD_ID		

Entity Name: APPRAISAL DATA SUBMISSION**Short Name:**

ADS

Plural: APPRAISAL DATA SUBMISSION**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

The APPRAISAL DATA SUBMISSION contains a list of all COAST and INTERIOR APPRAISAL files entered into ECAS.

It will also contain the ACKNOWLEDGEMENT information contained in each submission.

This will create the unique identifier for the file that will be used to reference the file as it flows through the system.

The APPRAISAL DATA SUBMISSION will be created by a licensee or RPF on behalf of the Licensee.

This is the temporary holding space for the Appraisal Worksheets prior to being sent on to the General Appraisal System.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
FOREST FILE ID		Y	VARCHAR2	10
The unique identifier for the licence.				
CUTTING PERMIT ID		Y	VARCHAR2	3
The unique identifier for the cutting permit.				
FTAS DATA VALIDATED IND		Y	VARCHAR2	1
A yes/no indication of whether or not the timber marks, cutting permit, and cut block data has been verified against the appropriate FTAS tables.				
Direct referential integrity will not be implemented due to the timing of data entry between cutting permits and appraisals.				
APPRAISAL EFFECTIVE DATE		Y	DATE	
Date the appraisal is effective from.				
Optional on initial entry but must be entered prior to being approved and sent to GAS.				
APPRAISAL EXPIRY DATE		Y	DATE	
Date the appraisal expires. If an extension is submitted, reset based on new data provided.				
SPECIFIED OPERATION IND		Y	VARCHAR2	1
An indication of if there are specified operations included in the Appraisal Submission.				
Y = Yes				
N = No				
This value will be set by the application if there is data entered into the specified operations costs.				
<i>Allowable Values of Attribute</i>				
Y	Yes		Y	
N	No		N	
NET CRUISE VOLUME		Y	NUMBER	7,0
The total cruise volume included for the appraisal.				
The sum of Cable Yarding, Ground Systems, Land Drop and Water Drop must equal this amount.				
STANDARD ERROR PCT		Y	NUMBER	4,1
This is the cruise sampling error.				
It is reported to 2 standard errors.				
DISTRICT RECEIVED DATE		Y	DATE	
The date the submission was received by the district rep.				
System determined based on when the status of the appraisal file is set to Received.				
Available on the Control Page.				
SENT DATE		Y	DATE	
This attribute is set with the current date/time when the District representative sends a submission to a Region.				

Entity Name: APPRAISAL DATA SUBMISSION (cont'd)		Short Name:	ADS
STATUS CHANGE DATE	Y DATE		
Date the submission last changed status. I.e. when APPRAISAL STATUS CODE was changed.			
TRANSFER DATE	Y DATE		
This attribute is set with the current date/time when the Region representative transfers a submission to GAS.			
ROAD USE CHARGE	Y NUMBER	5,2	
The cost per cubic meter that using the road will incur. Used for both appraisal types.			
ROUTINE ROAD MAINTENANCE IND	Y VARCHAR2	1	
An indication of whether or not routine road maintenance will be required as a result of this appraisal. Used in both Appraisal Types.			
BASIC SILV REQUIRED IND	Y VARCHAR2	1	
An indication of whether or not basic silviculture will be required. Used in both Appraisal types.			
LOCATION DESCRIPTION	Y VARCHAR2	250	
Coast - A description of the location from which the crew works. The marshalling point at which the crew is transported from. Interior - The Road Use Location Description used on the Interior Log Transportation/Admin page.			
DEVELOPED TIMBER VOLUME	Y NUMBER	7,0	
The total of all timber volume to be developed in this Timber Sale.			
SKYLINE_VOLUME	Y NUMBER	7	
A skyline adjustment may be calculated for those areas within a cut block that: a. are greater than 600 metres in a straight line horizontal distance from the center of the closest possible landing or place where a landing may be located. b. are yarded by skyline The skyline adjustment may be calculated by adding the volume of timber to which the skyline may apply to the volume of timber to be helicopter yarded. <i>Added 2004/01/22 - jstorey</i>			
BCTS SALE DATE	Y DATE		
The date the BT TIMBER SALE was initiated. Used by Coast Appraisals.			
SALE TERM YEAR	Y NUMBER	2,0	
The length of the sale in years. Used by Coast Appraisals.			
SALE TERM MONTH	Y NUMBER	2,0	
The number of months the sale term is for.			
DEVELOPMENT LEVY IND	Y VARCHAR2	1	
An indication for APPRAISAL FILES using the CVP pricing method of whether or not a Development levy will be applied. Used for BCTS in both Interior and Coast.			
SILVICULTURE LEVY IND	Y VARCHAR2	1	
An indication for the APPRAISAL FILE using the CVP pricing method of whether or not a Silviculture Levy will apply. Used for BCTS on both Coast and Interior.			
CP AVG VOL PER TREE	Y NUMBER	6,2	
The average volume in cubic metres per tree for the cutting permit.			
CP AVG VOL PER HA	Y NUMBER	6,2	
The average volume in cubic metres per hectare for the cutting permit.			

Entity Name: APPRAISAL DATA SUBMISSION (cont'd)		Short Name:	ADS
RPF SUBMITTED DATE	Y DATE		
The date the RPF changed the status of the appraisal file to submitted. set on the Acknowledgement page.			
LICENSEE REP ENTERED DATE	Y DATE		
The date the licensee representative entered their information and saved. Will be system generated.			
DATA FIELD CHECKED IND	Y VARCHAR2	1	
An indication of whether or not the data has been field checked by the district office. Available on the Control Page.			
CP CRUISE CHECKED IND	Y VARCHAR2	1	
An indicator to identify whether or not the cutting permit cruise volumes have been checked or not. Available on the Control Page.			
MVI ELIGIBLE IND	Y VARCHAR2	1	
A yes/no indicator to identify if the appraisal is eligible for MVI. Available on the control page			
TOA ELIGIBLE IND	Y VARCHAR2	1	
A yes/no indicator to identify if the appraisal is eligible for TOA. Available on the Coast Control page.			
MPS CVP DIFFERENTIAL	Y NUMBER	5,2	
The differential amount used in calculations between CVP and MPS pricing methods. Available on the control page.			
LICENSEE REP FIRST NAME	Y VARCHAR2	40	
First name of a Licensee Representative. <i>Added 2003/08/08 - jstorey</i>			
LICENSEE REP MIDDLE INITIAL	Y VARCHAR2	1	
Middle initial of a Licensee Representative. <i>Added 2003/08/13 - jstorey</i>			
LICENSEE REP LAST NAME	Y VARCHAR2	40	
Last name of a Licensee Representative. <i>Added 2003/08/13 - jstorey</i>			
LICENSEE REP PHONE NUMBER	Y VARCHAR2	10	
Licensee Representative telephone number. <i>Added 2003/08/08 - jstorey</i>			
LICENSEE REP FAX NUMBER	Y VARCHAR2	10	
Licensee Representative fax number. <i>Added 2003/08/08 - jstorey</i>			
LICENSEE REP EMAIL ADDRESS	Y VARCHAR2	500	
Licensee Representative email address. <i>Added 2003/08/08 - jstorey</i>			
BCTS SALE ADVERTISED IND	Y VARCHAR2	1	
Indicates the director of BCTS has determined there is little chance of them receiving bids at the normal MPS upset stumpage rate. <i>Added 2003/08/12 - jstorey</i>			
BCTS SALE READVERTISED IND	Y VARCHAR2	1	
Indicates timber sales that have been advertised at the normal MPS upset stumpage rate, but failed to receive any bids and the desire is to re-advertise at a reduced upset rate. <i>Added 2003/08/12 - jstorey</i>			
BCTS VARIABLE COST	Y NUMBER	9,2	
Cost required to prepare the sale. Dollar per cubic metre.			

Entity Name:	APPRAISAL DATA SUBMISSION (cont'd)	Short Name:	ADS
<i>Added 2003/08/12 - jstorey</i>			
BLENDING RATE	Y NUMBER	5,2	
Blended Rate for all the Dispersed Salvage Specified Operations Records.			
<i>2003/03/11 Jstorey: Added attribute.</i>			
ADS LOCATION DISTANCE AVERAGE	Y NUMBER	4	
The average straight line distance measured in kilometres from the geographic centre of the cutting authority area to the nearest border of the nearest of Vancouver, Chilliwack, Merritt, Victoria, Nanaimo, Campbell River, Prince Rupert, Terrace, or Houston.			
For appraisals effective 2005-08-01 or later, the distance is calculated as the cut block volume weighted average of the distances from individual blocks to the nearest major centre.			
<i>Added 2004/01/22 - jstorey</i>			
<i>2005-07-08 - BM - Renamed from ADS_LOCATION_DISTANCE to ADS_LOCATION_DISTANCE_AVERAGE.</i>			
DECKED VOLUME	Y NUMBER	7	
Volume of the timber sale that has been felled and decked			
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	80	
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP	N DATE		
The date and time the entry was created.			
UPDATE USERID	N VARCHAR2	80	
The unique id of the user who last modified this entry.			
UPDATE TIMESTAMP	N DATE		
The date and time the entry was last modified.			
<i>* = Attributes in primary unique identifier.</i>			

Relationships:

Each Occurrence Of This Entity:

MAY BE altered by one or more ADS AMENDMENT

MAY BE modified by one or more ADS AREA LOGGED

MAY BE assigned to one or more ADS ASSIGNED TO USERS

MAY BE incurring one or more ADS BCTS LEVY COST

MAY BE bcts utilization of one or more ADS BCTS MANDATORY UTILIZATION

MAY BE is detailed by one and only one ADS COMMENT

MAY BE detailed by one or more ADS CUTTING AUTHORITY DETAIL

MAY BE having cruise volume in one or more ADS HARVEST

MAY BE estimates one or more ADS OPERATING

MAY BE having damage one or more ADS SPECIES DAMAGE VOLUME

MAY BE having volume by species one or more ADS SPECIES VOLUME

MAY BE consisting of one or more ADS SUBMITTED TIMBER MARK

MAY BE supported by one or more ADS SUPPORT DOCUMENT

MAY BE nearest point of origin one and only one APP WATER TRNSP COST

MUST BE appraisal type identified by one and only one APPRAISAL CATEGORY CODE

MAY BE rpf certified by one and only one APPRAISAL CERTIFICATION TYPE CODE

* MUST BE generated for one and only one APPRAISAL DATA SUBMISSION CONTROL

MAY BE priced within one and only one APPRAISAL SELL PRICE ZONE CODE

MUST BE status identified by one and only one APPRAISAL STATUS CODE

MAY BE BCTS Sale type identified by one and only one BCTS SALE TYPE CODE

Entity Name: APPRAISAL DATA SUBMISSION (cont'd)*Short Name:*

ADS

MAY BE owned by one and only one CLIENT LOCATION

MAY BE created by submission one or more ECAS ESF SUBMISSION

MAY BE isolation type indicated by one and only one ISOLATION TYPE CODE

MUST BE submitted for administrative district of one and only one ORG UNIT

MAY BE appraised in one and only one POINT OF APPRAISAL CODE

MAY BE rate adjustment identified by one and only one RATE ADJUSTMENT TYPE CODE

MUST BE rate calculation method identified by one and only one RATE CALC METHOD CODE

MAY BE submitted within one and only one TSB NUMBER CODE

MAY BE is identified by one and only one UPSET OVERRIDE REASON CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

APRFL

*Primary Y**MUST BE generated for one and only one APPRAISAL DATA SUBMISSION CONTROL***Notes:**

2002/11/18 LAS: Note to future generators: The BEC_CODE_ID inherited through the relationship to BEC CODE TABLE needs to be removed and the column replaced with the BGC_ZONE_CODE varchar2(4) as that is the data to be used.

2004/09/02 jstorey: Dropped attributes RPF CLIENT NUMBER, RPF CLIENT LOCN CODE

2005/07/11 BM: Dropped ADS_LOCATION_CODE. Now ADS_LOCATION_CODE is related to ADS_CUTTING_AUTHORITY_DETAILS. Renamed ADS_LOCATION_DISTANCE to ADS_LOCATION_DISTANCE_AVERAGE

2005/10/17 BM: Dropped REGION RECEIVED DATE. Added STATUS CHANGE DATE.

2007/03/14 BM: Added CP VOLUME PER TREE

Subtypes:

COAST APPRAISAL

INTERIOR APPRAISAL

Entity Name: APPRAISAL DATA SUBMISSION CONTRC

Short Name:

ADSC

Plural: APPRAISAL DATA SUBMISSION CONTROL

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

An Appraisal Data Submission Control is a record of an Appraisal file that has been manually entered or submitted electronically in a predefined XML file format.

This Entity will record the method of submission and provide the starting point for the Appraisal.

This Entity will store all submissions regardless of the success or failure of the load process.

The raw data of the electronic submission will not be stored in this entity but a link to it will be found in the ECAS Audit Event entity.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ECAS ID		N	NUMBER	12,0
The unique identifier for a submitted appraisal file.				
Used to identify a file as it goes through the ECAS application.				
Will be generated from a sequence number.				
Will be assigned regardless of the success of the submission.				
CLIENT NUMBER		Y	VARCHAR2	8
The FOREST CLIENT identifier for which the Appraisal file is being submitted.				
This information is provided through the webade security function.				
<i>Made client number nullable on the appraisal data submission control because BCTS users (small business) are really district personal and don't have a client/locn number. Note: After April 2003, BCTS users should look and act like a licensee, and thus have a client number. But for now, they are associated to a district not a client locn.</i>				
CLIENT LOCN CODE		Y	VARCHAR2	2
The Client Location identifier to indicate which physical location or office the appraisal information is being submitted from.				
This information is available from the webade security function.				
<i>Made client locn code nullable on the appraisal data submission control because BCTS users (small business) are really district personal and don't have a client/locn number. Note: After April 2003, BCTS users should look and act like a licensee, and thus have a client number. But for now, they are associated to a district not a client locn.</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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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 result in the creation of one and only one APPRAISAL DATA SUBMISSION

MUST BE submission type identified by one and only one APPRAISAL METHOD CODE

MAY BE subject to events of one or more ECAS AUDIT EVENT

MAY BE identifies one or more ECAS SUBMITTED FILE

* = Relationships in primary unique identifier.

Unique Identifiers:

ECAS

Primary Y

Entity Name:	APPRAISAL DATA SUBMISSION CONTRC (cont'd)	Short Name:	ADSC
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ECAS ID

Entity Name: APPRAISAL DEVELOPMENT COST**Short Name:**

ADC

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

Development costs are estimated for three construction phases: subgrade construction, construction, & installation of drainage structures. This entity contains the calculated (derived) development costs for road & bridge construction, expressed in \$/m3.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
BRIDGE_COST_M3		N NUMBER	7,2
Total bridge cost in a specified timber mark divided by the Total Cruise Volume.			
ENGNRD_RD_COST_M3		N NUMBER	7,2
Total cost of all engineered roads within a specified timber mark divided by the Total Cruise Volume.			
TABULTD_RD_COST_M3		N NUMBER	7,2
The total estimate per cubic metre to develop all indicated tabulated roads divided by the Total Cruise Volume.			
ALLOC_RD_COST_M3		N NUMBER	7,2
Total cost of all allocated roads divided by the Total Cruise Volume.			
TABULTD_RD_LENGTH		N NUMBER	7,3
Total length of all tabulated roads within the timber mark.			
HARD_ROCK_RD_LNGTH		N NUMBER	7,3
The total length of road that has a rock mass classification of hard.			
ENGNRD_BRDG_CST_M3		N NUMBER	7,2
Total cost of all engineered bridges within the timber mark divided by the Total Cruise Volume.			
TABLTD_BRDG_CST_M3		N NUMBER	7,2
Total cost of all tabulated bridges within a specified timber mark divided by the Total Cruise Volume.			
ENGNRD_CLVT_CST_M3		N NUMBER	7,2
Total cost of all engineered culverts within the timber mark divided by the Total Cruise Volume.			
TABLTD_CLVT_CST_M3		N NUMBER	7,2
Total cost of all tabulated culverts within a specified timber mark divided by the Total Cruise Volume.			
HARD_ROCK_IND		N CHAR	1
An initial indication as to whether or not 90 % or more of all rock mass classification's in the specified timber mark are hard. To be later verified by a calculation.			
TTL_ROCK_RD_LNGTH		N NUMBER	7,3
The total length of road that has subgrade construction category code of 2 - 6.			
RECONSTRCTN_CST_M3		N NUMBER	5,2
Total calculated reconstruction and replacement cost for a timber mark divided by net cruise volume.			
ROAD_COST_ZONE_CD		N VARCHAR2	3
A code associated with a geographical area within which logging road construction costs are similar. This attribute is captured for appraisals effective on or after April 1, 1996. This code may not be valid for all Forest Districts.			
AVG_ROAD_CRWN_PCT		N NUMBER	4,0
Percentage of the cost to the crown for the construction of average logging roads included in the appraisal. This attribute is captured for appraisals effective on or after April 1, 1996.			

* = Attributes in primary unique identifier.

Entity Name:	APPRAISAL DEVELOPMENT COST (cont'd)	Short Name:	ADC
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Relationships:

Each Occurrence Of This Entity:

- MAY BE contains one and only one ALLOCATED ROAD COST
- MAY BE contains one or more APP_BRIDGE_COST
- MAY BE contains one or more APP_CULVERT_CST
- MAY BE contains one or more APP_ENG_RD_COST

- * MUST BE is part of one and only one APPRAISAL OPERATING COST
- MAY BE contains one and only one APPRAISAL REPLACEMENT
- MAY BE contains one or more APP_SB_ROAD
- MAY BE contains one or more APP_TAB_RD_SUM

* = Relationships in primary unique identifier.

Unique Identifiers:

ADC_PK	Primary	Y
MUST BE is part of one and only one APPRAISAL OPERATING COST		

Entity Name: APPRAISAL DOCUMENT TYPE CODE			Short Name:	ADTC
Plural:	APPRAISAL DOCUMENT TYPE CODE			
Init. Volume:	35	Avg. Volume:	50	Max. Volume: 100
			Annual Growth Rate:	1%

Description:

The APPRAISAL DOCUMENT TYPE CODE table identifies the types of attachment files that may be associated to a data submission. Each document is displayed on the Attachments page for the data submission as well as indicators on each associated Entry page.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL DOCUMENT TYPE CODE		N	VARCHAR2	4
The unique code identifier for the Attachement type.				
DESCRIPTION		N	VARCHAR2	120
The full description of the attachment type.				
EFFECTIVE DATE		N	DATE	
The date this attachment type is available for use in the ECAS application.				
EXPIRY DATE		N	DATE	
The date this attachment type is no longer available for use in the ECAS application.				
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 type of attachment one or more ADS SUPPORT DOCUMENT

MAY BE indicates attachment type of one or more APPRAISAL ATTACHMENT XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

ATC1	Primary	Y
APPRAISAL DOCUMENT TYPE CODE		

Entity Name: APPRAISAL ENGINEERED COST		<i>Short Name:</i>	AEC
<i>Plural:</i>	APP_ENGINRD_CST		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The Appraisal Engineered Cost is the cost of a section of road, a bridge or a culvert, that cannot be determined by standard cost tables. The engineered cost is identified by a unique id and entered by the appraiser as a dollar value.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ENG_COST_ID		N	VARCHAR2	10
A unique identifier for an engineered road, bridge, culvert, or other structure the cost of which will be fully or partially borne by a timber mark.				
ENGINEERED_CST_EST		N	NUMBER	9,2
The estimated cost to build a road, bridge, culvert, or other structure, estimated by an engineer and entered on the worksheet.				
ENGINEER_APPL_VOL		N	CHAR	7
Total volume of timber over which the development costs are amortized.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST
- * = Relationships in primary unique identifier.

Unique Identifiers:

AEC_PK	Primary	Y
MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST		
ENG_COST_ID		

Entity Name: APPRAISAL ENGINEERING ROAD COST		Short Name:	AERC
Plural:	APP_ENG_RD_COST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The Appraisal Engineered Road Cost is the cost of a road that cannot be determined by standard road cost tables. The road cost is entered by the appraiser as a dollar value.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD_ID		N	VARCHAR2	10
Unique identifier for a road within a timber mark.				
ROAD_LENGTH		N	NUMBER	7,3
Length of engineered road in kilometres.				
ROLLOVER_PCT		N	NUMBER	4,0
A percentage of the road cost to be included in the appraisal.				
ENGINRD_ROAD_COST		N	NUMBER	9,2
The estimated cost to build the road.				
APPLICABLE_VOLUME		N	NUMBER	7,0
The apportioned volume of timber transported over a bridge, culvert or road.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AERC_PK	Primary	Y
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MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

ROAD_ID

Entity Name: APPRAISAL ENTRY FIELD			Short Name:	AEF
Plural:	APPRAISAL ENTRY FIELD			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The APPRAISAL ENTRY FIELD allows for the identification of the required entry fields for an APPRAISAL ENTRY TEMPLATE.

Each TEMPLATE may be comprised of one or more FIELDS.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ADS ENTRY FIELD ID		N	NUMBER	6,0
Unique identifier for the APPRAISAL ENTRY FIELD. Sequence Number generated.				
FIELD NAME		N	VARCHAR2	30
The Name of the field to be included.				
VISIBLE INDICATOR		N	VARCHAR2	1
Indicator of whether or not the field is visible on the page.				
<i>Allowable Values of Attribute</i>				
Y	Yes		Y	
N	No		N	
EFFECTIVE DATE		N	DATE	
Identifies the date the fields was added to the template or that it is available for use in the entry template.				
DISPLAY LABEL		Y	VARCHAR2	30
The display label to be used with the field. This is optional as there may be some fields displayed in a group without the label.				
EXPIRY DATE		Y	DATE	
The date the field is no longer required for use on the template.				
REVISION COUNT		N	NUMBER	5,0
A counter used to indicate how many times an entry has been modified. Used by the web pages to indicate if the data has been modified since last retrieved.				
ENTRY USERID		N	VARCHAR2	30
The userid of the resource who created the data.				
ENTRY TIMESTAMP		N	DATE	
The date and time the data was created.				
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 contained within one and only one APPRAISAL ENTRY TEMPLATE

* = Relationships in primary unique identifier.

Unique Identifiers:

AEF	Primary	Y
ADS ENTRY FIELD ID		
MUST BE contained within one and only one APPRAISAL ENTRY TEMPLATE		

Entity Name: APPRAISAL ENTRY TEMPLATE			Short Name:	AET
Plural:	APPRAISAL ENTRY TEMPLATE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The APPRAISAL ENTRY TEMPLATE allows for the dynamic creation of the Appraisal entry pages. By allowing the System Administrator to identify which fields are displayed or not based on business rules, the pages requiring entry can be dynamically created.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ADS ENTRY TEMPLATE ID		N	NUMBER	6,0
Unique identifier for an APPRAISAL ENTRY TEMPLATE. Sequence Based				
APPRAISAL PAGE CODE		N	VARCHAR2	10
A means of identifying the page the template is for: Acknowledgement Reference Log Grade Tree to Truck Log Transportation Water Transportation Administration Cost Estimates Development Development - New construction - Drainage Structures Operating Cost Development - Tabular Roads Development - Reconstruction and Replacement SBFEP Silviculture Road Use Change Cutblock Blending Least Cost Assessment Control Sheet				
APPRAISAL PAGE NAME		N	VARCHAR2	120
REVISION COUNT		N	NUMBER	5,0
The counter used to identify how many times this entry has been modified.				
ENTRY USERID		N	VARCHAR2	30
The userid of the resource who added/created the data.				
ENTRY TIMESTAMP		N	DATE	
The date and time the data 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:

MAY BE consisting of one or more APPRAISAL ENTRY FIELD
MUST BE created for one and only one APPRAISAL METHOD CODE
* = Relationships in primary unique identifier.

Unique Identifiers:

AET	Primary	Y
ADS ENTRY TEMPLATE ID		

APPRAISAL HARVEST METHOD CODE

Entity Name: APPRAISAL INTERIOR HARVEST METHC		Short Name:	AIHMC
Plural:	APPRAISAL INTERIOR HARVEST METHOD CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The HARVEST METHOD CODE entity contains the values required to identify the various methods that the trees may be harvested by.
This includes: Conventional Grapple, overhead highlead, overhead skyline, helicopter, and horse.
This entity contains only those values valid for Interior Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL HARVEST METHOD CODE		N	VARCHAR2	2
The unique identifier for the method by which the trees are being harvested.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date on which the code value is available for use.				
EXPIRY DATE		N	DATE	
The date after which the code value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time when the code value was last modified.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

HMC	Primary	Y
APPRAISAL HARVEST METHOD CODE		

Notes:

2002/12/06 LAS: Added to support differences between coast and interior harvest method codes

Entity Name:	APPRAISAL INTERIOR SELL PRICE ZONE	Short Name:	AISPZC
Plural:	APPRAISAL INTERIOR SELL PRICE ZONE CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:
This entity contains the valid Selling Price Zones for Interior Appraisals.

Attributes:			
<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* APPRAISAL SELL PRICE ZONE CODE		N VARCHAR2	2
The unique identifier for the selling price zone.			
2002/12/04 LAS; Renamed to APPRAISAL SELL PRICE CODE due to subset requirement			
DESCRIPTION		N VARCHAR2	120
The full description of the value.			
EFFECTIVE DATE		N DATE	
The date on which the value is available for use.			
EXPIRY DATE		N DATE	
The date after which the code 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:
SPZC Primary Y
APPRAISAL SELL PRICE ZONE CODE

Notes:
2002/12/04 LAS; Renamed to APPRAISAL SELL PRICE CODE due to subset requirement

Entity Name: APPRAISAL INTERIOR SPECIES			Short Name:	AIS
Plural:	APPINT_SPECIES			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This identifies each species within the stand for the appraisal. For each species the volume and selling price per cubic metre are identified. The estimated selling price for each species is based upon market value schedules.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HDBS_TREE_SPECIES		N	VARCHAR2	2
A two letter code indicating the tree species in the stand.				
SPP_LUM_SELPRIC_ZN		N	NUMBER	2,0
The lumber selling price zone that is applicable for this species.				
INTGRTD_CHPZNE_IND		N	CHAR	1
An indicator that the normal chip selling price for this point of appraisal is not used (when set to "yes"). Instead, an alternate value is retrieved from the table.				
SPECIES_VOLUME		N	NUMBER	8,0
Total volume of a species found within the total cruise volume.				
SPP_LRF_FCTR_FBM		N	NUMBER	3,0
The number of board-feet recoverable from each m3 of cruise volume, for a particular species. This factor is updated (added to) by the LRF Update Factor for this species.				
SPECIES_DECAY_PCT		N	NUMBER	3,0
Percent decay for a species.				
SPECIES_STUD_PCT		N	NUMBER	3,0
The net volume of 5 m. logs with top diam. under 20 cm, expressed as a percent of the net cruise volume. I.A. manual, page 19.				
SPECIES_BURN_PCT		N	NUMBER	3,0
The percentage of cruise volume that is burned and is not useful for producing chips.				
SPP_COMPETITIV_IND		N	CHAR	1
Indicates whether or not bonuses and levies are to be applied to the appraisal.				
SPP_SELL_PRICE_M3		N	NUMBER	7,4
This is the selling price per m3 for each species in the stand.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE calculates one and only one APPR MANUFACTURING COST

* MUST BE is generated for one and only one APPRAISAL WORKSHEET

* = Relationships in primary unique identifier.

Unique Identifiers:

AIS_PK	Primary	Y
MUST BE is generated for one and only one APPRAISAL WORKSHEET		
HDBS_TREE_SPECIES		

ALDC

Annual Growth Rate:

The BC Locations that are considered to be Coast Log Dumps.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
APPRAISAL LOG DUMP LOCN CODE		N	VARCHAR2	4
The unique code to identify a coastal log dump location.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date after which 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.				

Each Occurrence Of This Entity:

MAY BE indicates the appraisal log dump of one or more POINT APPRAISAL LOG DUMP XREF

* = Relationships in primary unique identifier.

ALDC	Primary	Y
APPRAISAL LOG DUMP LOCN CODE		

Entity Name: APPRAISAL LOG TRANSPORT COST**Short Name:** ALTC**Plural:** APP_LOG_TSP_CST**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

The total of truck hauling, water and other transportation costs required to move the logs from the landing to the point of appraisal. Types of costs include : dump, sort, boom and scale; water transportation costs , other transport, and direct entry.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
ROAD_MAINTNCE_IND		N CHAR	1
Indicates whether or not road maintenance costs determined within a timber mark.			
TRUCK_HAUL_DISTNCE		N NUMBER	5,2
Indicates whether or not road maintenance costs will be determined within a timber mark.			
BRDG_REPLCMNT_COST		N NUMBER	7,0
The cost to perform major reconstruction of a drainage structure.			
RUNNG_SURFACE_COST		N NUMBER	7,0
The cost of major reconstruction or resurfacing of a section of road.			
STORM_DAMAGE_COST		N NUMBER	7,0
The cost to repair the damage incurred as a result of severe erosion and flood damage to roads over a short period of time as a result of natural conditions beyond the control of the licensee.			
PLANNED_ANNUAL_VOL		N NUMBER	7,0
The anticipated tributary log volume in m3.			
RD_LAND_USE_CHG_M3		N NUMBER	5,2
The fee per cubic metre to be charged for using lands or roads.			
TRNSP_SPEC_OP_DESC		N VARCHAR2	25
A description of the specified operation transportation cost. A reason for overriding the transportation log cost versus letting the system calculate it.			
TRNSP_SPEC_OP_COST		N NUMBER	5,2
A cost estimate directly entered for a specified operation transportation cost.			
FIRST_PT_OF_ORGN		N VARCHAR2	4
A source point for the water transportation costs. This is a code which refers to the point of origin subtable.			
SECND_PT_OF_ORGN		N VARCHAR2	4
A source point for the water transportation costs. If a second point of origin is entered the two are averaged. This is a code which refers to the point of origin subtable.			
TRUCK_HAUL_COST_M3		N NUMBER	7,4
It is a calculated value based on the distance the timber is hauled by a logging truck.			
DMP_SRT_BM_CST_M3		N NUMBER	5,2
The cost for dump, sort, boom scale and re-load from dryland sorts.			
WATER_TRNSP_CST_M3		N NUMBER	5,2
Costs for barging or towing from specific points of origin for an appraisal.			
WATER_TRANSPORT_CD		N CHAR	1
A code describing the type of water transportation used. Allowable values are "BARGE" and "TOWING".			
OTHER_TRNSP_CST_M3		N NUMBER	7,4
All costs associated with keeping the roads and bridges in operable conditions for use by logging related equipment.			
WTR_TRANS_COST_PM3		N NUMBER	5,2
Water transportation cost per cubic metre.			
RD_LAND_USE_DESC		N VARCHAR2	25

Entity Name:	APPRAISAL LOG TRANSPORT COST (cont'd)	Short Name:	ALTC
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A description of a charge incurred by the licensee for log transportation on roads built on private land.

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL OPERATING COST

* = *Relationships in primary unique identifier.*

Unique Identifiers:

ALTC_PK	Primary	Y
MUST BE is part of one and only one APPRAISAL OPERATING COST		

Entity Name: APPRAISAL METHOD CODE			Short Name: AMCD	
Plural: APPRAISAL METHOD CODE				
Init. Volume: 2		Avg. Volume: 2		Max. Volume: 2
Annual Growth Rate:				

Description:

The type of Appraisal Data Submission being sent in.
May be Interior or Coastal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL METHOD CODE		N	VARCHAR2	1
The unique code to identify the type of appraisal being created by the Licensee RPF.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date after which 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 indicates appraisal method of one or more APPRAISAL ATTACHMENT XREF

MAY BE identifies submission type of one or more APPRAISAL DATA SUBMISSION CONTROL

MAY BE indicating appraisal type of one or more APPRAISAL ENTRY TEMPLATE

MAY BE indicating type for one or more APPRAISAL SELL PRICE ZONE XREF

MAY BE indicating type of one or more POINT OF APPRAISAL CODE

MAY BE preference for one or more RPF LICENSEE REP

MAY BE classifying a group of one or more SPECIFIED OPERATIONS XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

STC	Primary	Y
APPRAISAL METHOD CODE		

Entity Name: APPRAISAL OPERATING COST**Short Name:** AOC**Plural:** APP_OPRNG_COST**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

The Appraisal Operating Cost consists of the appraisal logging cost, silviculture cost, and manufacturing cost at the effective date of the appraisal, and the individual trended costs that were used determine the current stumpage rate.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
TREND_SILVC_CST_M3		N	NUMBER	7,4
A calculated value derived from the trend factor times the net present value of the silviculture cost.				
TREND_LOGNG_CST_M3		N	NUMBER	7,4
A calculated value derived from the trend factor times the net present value of the logging cost.				
LOGNG_COST_DE_IND		N	CHAR	1
A flag to indicate whether the logging costs have been derived by using computer calculated results or directly entered.				
LOGGING_COST_M3		N	NUMBER	7,4
This may be calculated using the total administration, log transportation, development, and tree to truck costs or directly entered.				
SILVIC_DE_IND		N	CHAR	1
A flag to indicate whether the silviculture cost has been derived by using computer calculated results or directly entered.				
SILVIC_COST_M3		N	NUMBER	7,4
The cost of establishing a new crop of trees. It may be directly entered or computer calculated.				
NCBR_AREA		N	NUMBER	7,1
The area of non-commercial brush in a specified timber mark.				
BASIC_SILV_REQ_IND		N	CHAR	1
An indication of whether or not basic silviculture costs are to be applied to the appraisal logging cost estimate.				

* = Attributes in primary unique identifier.

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

MAY BE is estimated for one and only one APP INT SILVICULTURE CST SUMMARY

MAY BE is estimated from one and only one APP TREE TO TRUCK COST

MAY BE contains one and only one APPR INT ADMINISTRATION COST

MAY BE contains one and only one APPR INTERIOR DEVELOPMENT COST

MAY BE contains one or more APPINT_LGTR_CST

MAY BE contains one and only one APPR INTERIOR TREE TO TRUCK COST

MAY BE contains one and only one APPR POST LOGGING COST

MAY BE is modified by one and only one APPRAISAL COAST SILV FACTORS

MAY BE is estimated from one and only one APPRAISAL DEVELOPMENT COST

MAY BE is estimated for one and only one APPRAISAL LOG TRANSPORT COST

* MUST BE is calculated for one and only one APPRAISAL WORKSHEET

MAY BE is estimated from one and only one APP_ADM_CST

* = Relationships in primary unique identifier.

Unique Identifiers:

AOC_PK Primary Y

MUST BE is calculated for one and only one APPRAISAL WORKSHEET

Entity Name: APPRAISAL QRTRLY PARAMETERS**Short Name:**

AQP

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

The weighted average of all appraisal value indexes reestablished at each quarterly adjustment.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
The method used to determine the appraisal being done. (e.g. 'C' = Coast, 'I' = Interior).				
* EFFECTIVE_DATE		N	DATE	
The date on which the quarterly adjustment becomes effective.				
MEAN_VALUE_INDEX		N	NUMBER	5,2
It is the benchmark against which individual stands of timber are compared.				
MIN_STUMPAGE_RATE		N	NUMBER	3,2
The minimum amount to be charged for the harvesting of a timber mark.				
BASE_RATE_AMOUNT		N	NUMBER	5,2
It is the starting rate for the stumpage rate calculations. IR = (BR - MVI)				
COMPLETED_IND		N	CHAR	1
A flag indicating whether the quarterly adjustment for the effective period has been completed.				
QRTRLY_ADJUST_DATE		N	DATE	
The date the quarterly adjustment was completed. (note: not necessarily the effective date)				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associate quarterly parameter record has been reviewed and approved.				
CONFIRM_TRANS_IND		N	CHAR	1
An indication as to whether or not confirmation transactions are to be allowed.				
AVERAGE_LRF_MAX		N	NUMBER	3,0
A constant in the formula used to calculate chip yield derivation. The LRF maximum is the theoretical maximum volume of lumber that may be produced from a cubic metre of logs.				
RATE_REDUCTN_RATIO		N	NUMBER	3,2
The factor applied to that portion of the upset stumpage rate that exceeds the rate reduction trigger.				
RATE_REDUCTN_TRIGR		N	NUMBER	5,2
The maximum stumpage rate beyond which the rate reduction ratio must be applied. The rate reduction ratio is only applied to that portion of the stumpage rate that exceeds the rate reduction trigger.				
TARGET_RATE		N	NUMBER	5,2
The average stumpage rate the Ministry tries to achieve for the quarter.				

* = Attributes in primary unique identifier.

Unique Identifiers:

AQP_PK	Primary	Y
APPRAISAL_MTHD_CD		
EFFECTIVE_DATE		

Entity Name: APPRAISAL REPLACEMENT

Short Name:

AR

Plural: APP_REPLACEMENT

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

Costs of reconstruction and replacement are defined as replacement or repair of a major drainage structure, or major reconstruction or resurfacing of a section of road.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APRR_IDENT		N	VARCHAR2	10
Unique identifier for a replacement or reconstruction project within a timber mark.				
APRR_PROJ_DESC		N	VARCHAR2	20
A brief description of the reconstruction or replacement project to be included in the appraisal.				
APRR_APPLC_VOL		N	NUMBER	7,0
The total volume of logs that will be transported over the replacement or reconstruction project by this mark.				
APRR_PROJ_COST		N	NUMBER	7,0
The estimated total cost of a reconstruction or replacement project.				
CROWN_PERCENTAGE		N	NUMBER	4,0
Percentage of the cost to the crown for a development project included in the appraisal.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AR_PK Primary Y

MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

APRR_IDENT

Entity Name: APPRAISAL ROAD TYPE CODE			Short Name:	ARTC
Plural:	APPRAISAL ROAD TYPE CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

For INTERIOR APPRAISAL DATA SUBMISSIONS this code list identifies the type of road being constructed to support the appraisal.
Values include: B - Block
W - Winter

Attribtes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL ROAD TYPE CODE		N	VARCHAR2	1
The unique code value for the type of road being constructed.				
DESCRIPTION		N	VARCHAR2	120
The full description of the road type.				
EFFECTIVE DATE		N	DATE	
The date on which this value is available for use.				
EXPIRY DATE		N	DATE	
The date after which the value is no longer available for use.				
UPDATED 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 identifying road type of one or more ADS TABULAR ROAD SECTION
* = Relationships in primary unique identifier.

Unique Identifiers:

RTC	Primary	Y
APPRAISAL ROAD TYPE CODE		

Entity Name: APPRAISAL SECURITY			Short Name:	CAS
Plural:	CAS_APPL_SECRTY			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This table is used to restrict access to personnel with knowledge of a valid userid and password combination. A userid may have access to a single region or all regions. Also, used to restrict update and test privileges.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* USERID		N	VARCHAR2	8
A number that is assigned to an individual to allow them access to the system.				
UPD_HOME_REG_IND		N	CHAR	1
A code representing whether or not the user is allowed to update appraisals within their region.				
READ_HOME_REG_IND		N	CHAR	1
A code representing whether or not the user is allowed to read appraisals within their region.				
READ_ALL_REGNS_IND		N	CHAR	1
A code representing whether or not the user is allowed to read appraisals in any region.				
UPD_TBL_TABLES_IND		N	CHAR	1
A code representing whether or not the user is allowed to update edit tables.				
UPD_SCTY_TABLE_IND		N	CHAR	1
A code representing whether or not the user is allowed to update the security table.				
UPD_TRIAL_APP_IND		N	CHAR	1
A code representing whether or not the user is allowed to perform test scenarios.				
COMMIT_TRANS_IND		N	CHAR	1
An indication as to whether or not the associated user is allowed to perform commit transactions against edit tables.				
UPDATE_USERID		N	VARCHAR2	8
The userid of the person who last updated the worksheet.				
UPDATE_TIMESTAMP		N	TIMESTAMP	
The time at which the last update took place to the worksheet.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

CAS_PK	Primary	Y
USERID		

Entity Name: APPRAISAL SELL PRICE ZONE CODE			Short Name:	ASPZC
Plural:	APPRAISAL SELL PRICE ZONE CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This entity contains the valid Selling Price Zones for Coast Appraisals.
These include:
51 Mature Timber
52 Immature Timber
53 Spruce within the Pemberton, Yale or Nahatlatch TSBs
54 Douglas-fir on the Gulf Islands (Texada, Lasqueti, Denman, Hornby and Southern Gulf Islands)

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL SELL PRICE ZONE CODE		N	VARCHAR2	2
The unique identifier for the selling price zone.				
2002/12/04 LAS: Renamed to APPRAISAL SELL PRICE CODE due to subset requirement				
DESCRIPTION		N	VARCHAR2	120
The full description of the value.				
EFFECTIVE DATE		N	DATE	
The date on which the value is available for use.				
EXPIRY DATE		N	DATE	
The date after which the code 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 identify pricing structure for one or more APPRAISAL DATA SUBMISSION
MAY BE appraisal sell price zone type for one or more APPRAISAL SELL PRICE ZONE XREF
* = Relationships in primary unique identifier.

Unique Identifiers:

SPZC	Primary	Y
APPRAISAL SELL PRICE ZONE CODE		

Notes:

2002/12/04 LAS: Renamed to APPRAISAL SELL PRICE CODE due to subset requirement

Entity Name: APPRAISAL SELL PRICE ZONE XREF			Short Name:	ASPZX
Plural:	APPRAISAL SELL PRICE ZONE XREF			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Appraisal sell price zone cross-reference table.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
REVISION COUNT		N	NUMBER	5,0
The counter used to identify how many times this entry has been modified.				
ENTRY USERID		N	VARCHAR2	30
The userid of the resource who added/created the data.				
ENTRY TIMESTAMP		N	DATE	
The date and time the data 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 appraisal sell price zone for one and only one APPRAISAL METHOD CODE
 - * MUST BE appraisal sell price zone for one and only one APPRAISAL SELL PRICE ZONE CODE
 - * MUST BE appraisal sell price zone for one and only one POINT OF APPRAISAL CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

ASPZX_PK	Primary	Y
MUST BE appraisal sell price zone for one and only one APPRAISAL SELL PRICE ZONE CODE		
MUST BE appraisal sell price zone for one and only one POINT OF APPRAISAL CODE		
MUST BE appraisal sell price zone for one and only one APPRAISAL METHOD CODE		

Notes:

Created by RNanton for CR17, Oct 28/2003.

Entity Name: APPRAISAL SMALL BUSINESS ROAD			<i>Short Name:</i>	ASR
<i>Plural:</i>	APP_SB_ROAD			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Identifies roads and road lengths constructed at the licencees' expense for small business timber marks.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD_ID		N	VARCHAR2	10
Unique identifier for a road within a timber mark.				
ROAD_LENGTH		N	NUMBER	5,2
Length of small business road in kilometres.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ASR_PK	Primary	Y
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MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST

ROAD_ID

Entity Name: APPRAISAL SPECIES			Short Name:	AS1
Plural:	APP_SPECIES			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This entity identifies each species within the stand for the appraisal. For each species the volume, selling price/m3, and the species stumpage rate is identified. The estimated selling price is based upon market value schedules.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HDBS_TREE_SPECIES		N	VARCHAR2	2
A two letter code indicating the tree species in the stand.				
SPP_SELL_PRIC_ZONE		N	NUMBER	2,0
The lumber selling price zone that is applicable for this species.				
SPECIES_VOLUME		N	NUMBER	8,0
Total volume of a species found within the total cruise volume.				
SPP_SELL_PRICE_M3		N	NUMBER	7,4
This is the selling price per m3 for each species in the stand. Species selling price is a weighted average based upon grade percentages and market value schedules.				
SPECIES_PCT_DECAY		N	NUMBER	3,0
Percent decay for all grades of a species.				
SPP_COMPETITIV_IND		N	CHAR	1
Indicates whether or not bonuses and levies are to be applied to the appraisal.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE is generated for one and only one APPRAISAL WORKSHEET

* = Relationships in primary unique identifier.

Unique Identifiers:

AS1_PK	Primary	Y
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MUST BE is generated for one and only one APPRAISAL WORKSHEET

HDBS_TREE_SPECIES

Entity Name: APPRAISAL STATUS CODE		<i>Short Name:</i>	ASC
<i>Plural:</i>	APPRAISAL STATUS CODE		
<i>Init. Volume:</i>	10	<i>Avg. Volume:</i>	25
		<i>Max. Volume:</i>	100
		<i>Annual Growth Rate:</i>	1%

Description:

The status of the APPRAISAL Data Submission within ECAS and for two statuses in GAS.

- Includes:
- DRAFT
 - SUBMITTED
 - RECEIVED
 - RETURNED
 - ACCEPTED
 - APPROVED
 - Determined/Confirmed (GAS)
 - Replaced (GAS)

Access to the data is based on the status of the file.

These codes will be a subset of the existing STATUS_CODE

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL STATUS CODE		N	VARCHAR2	3
The code value representing the status of the file. Must be unique.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date this code becomes available for use by the system.				
EXPIRY DATE		N	DATE	
The date the code value is no longer available for use by the system.				
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 status of one or more APPRAISAL DATA SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

AS2	Primary	Y
APPRAISAL STATUS CODE		

Entity Name: APPRAISAL STUMPAGE RATE**Short Name:**

ASR1

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

The Stumpage Rate for the mark being appraised. A bonus bid may be added to some species. Amount for stumpage rates are expressed in dollars per cubic metre.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STMPG_RTE_EFCTV_DT		N	DATE	
The date on which the stumpage rate becomes effective.				
SILVICULTURE_LEVY		N	NUMBER	5,2
The portion of the additional cost incurred by the crown for silviculture which is passed on to the licensee.				
DEVELOPMENT_LEVY		N	NUMBER	5,2
The portion of the additional cost incurred by the crown for road development which is passed on to the licensee.				
BONUS_BID_AMOUNT		N	NUMBER	5,2
The premium amount bid in competition to harvest the timber.				
TOT_STUMPAGE_RATE		N	NUMBER	5,2
The rate to be paid for each m3 of logs scaled from the timber mark. It is calculated using the Bonus Bid Amount + Development Levy Amount + Silviculture Levy Amount + Reserve Stumpage Rate.				
STMPG_RATE_DE_IND		N	CHAR	1
A flag indicating whether the stumpage rate is calculated ('N') or directly entered as a fixed ('Y') rate.				
APPR_BONUS_APLY_CD		N	CHAR	1
A code which determines if bonuses and levies are to be applied to the appraisal.				
STND_SELL_PRICE_M3		N	NUMBER	5,2
The weighted selling price of all species per cubic metre.				
SILV_LEVY_DE_IND		N	CHAR	1
An indicator to show whether the silviculture levy has been derived using a computer calculated result or directly entered bypassing automated calculations.				
DEV_LEVY_DE_IND		N	CHAR	1
An indicator to show whether the development levy has been derived using a computer calculated result or directly entered by passing automated calculations.				
MP_RATE_DE_IND		N	CHAR	1
A flag indicating whether the market price rate is calculated ('N') or directly entered ('Y').				
CALC_RATE_DIFFRNTL		N	NUMBER	5,2
Difference between the reduced CVP rate (effective Jan. 1, 1999) and what the CVP rate would have been if MPS had been used to calculate the rate.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE estimates one and only one APPRAISAL WORKSHEET

* = Relationships in primary unique identifier.

Unique Identifiers:

ASR1_PK

Primary Y

MUST BE estimates one and only one APPRAISAL WORKSHEET

STMPG_RTE_EFCTV_DT

Entity Name: APPRAISAL TAB CULVERT COST EST		Short Name:	ATCC
Plural:	APP_TB_CLVT_CST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The identifiers and cost for each culvert type and diameter or abutment type that is developed for the mark. Round pipe culvert costs are summed by diameter and number; log and puncheon culvert costs are summed by abutment type and number.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CULVERT_TYPE_CODE		N	CHAR	1
A code signifying the construction material of the tabulated drainage structure. Valid values are 'C' (circular pipe) and 'L' (log puncheon).				
* CIRC_PIPE_DIAMETR		N	NUMBER	3,1
Diameter of a metal circular pipe culvert in metres.				
* CIRC_PIPE_LENGTH		N	NUMBER	2,0
The length in metres of the circular culvert to be installed.				
* ABUTMENT_TYPE_CODE		N	CHAR	1
A code signifying the type of abutment for a wood drainage structure. Valid values are 'D' (double) and 'T' (triple).				
TAB_CULVERT_QTY		N	NUMBER	2,0
The number of culverts of a particular construction material.				
TAB_CLVRT_INST_CST		N	NUMBER	6,0
The cost of a type and size of culvert from the TABULATED CULVERT COST ESTIMATE TABLE (I.A. manual, p. 42), multiplied by the number of culverts of this type and size.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST
- * = Relationships in primary unique identifier.

Unique Identifiers:

ATCC_PK	Primary	Y
MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST		
CULVERT_TYPE_CODE		
CIRC_PIPE_DIAMETR		
CIRC_PIPE_LENGTH		
ABUTMENT_TYPE_CODE		

Entity Name: APPRAISAL TRANSPORT DISTANCE		<i>Short Name:</i>	ATD
<i>Plural:</i>	APP_TRNSP_DIST		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The transportation distance between point of origin and point of appraisal by a specified transport method for a given date.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PT_OF_APPRAISAL_ST		N	VARCHAR2	4
A code representing the geographic location where the appraised cost estimating ends. This code is a subtable of the BC Location Code in code list.				
* PT_OF_ORIGIN_ST		N	VARCHAR2	4
The code representing geographic locations where logs are off loaded from trucks for water transportation. This code is a subtable of the BC Location Code in code list.				
* APP_TRNSP_TYPE_ST		N	CHAR	1
A code representing the type of transportation applicable to the distance.				
* EFFECTIVE_DATE		N	DATE	
The date on which the transport distance becomes effective.				
DISTANCE_KM		N	NUMBER	4,0
The distance in kilometers between point of origin and point of appraisal.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated distance record has been reviewed and approved.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

ATD_PK	<i>Primary</i>	Y
PT_OF_APPRAISAL_ST		
PT_OF_ORIGIN_ST		
APP_TRNSP_TYPE_ST		
EFFECTIVE_DATE		

Entity Name: APPRAISAL WEIGHTING VOLUME		<i>Short Name:</i>	AWV
<i>Plural:</i>	APP_WEIGHT_VOL		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

When the appraised Net Cruise Volume for a Timber Mark differs from the volume needed for weighting the mark's value index in the Mean Value Index calculation, an alternative weighting volume is applied. This situation is an exception. For most marks, the net cruise volume is used for weighting and no alternative weighting volume is required.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
WEIGHTING_VOL_M3		N	NUMBER	11,4
Weighting volume used to prorate the appraisal's value index in Mean Value Index Calculations.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is applied to one and only one APPRAISAL WORKSHEET
- * = Relationships in primary unique identifier.

Unique Identifiers:

AWV_PK	Primary	Y
MUST BE is applied to one and only one APPRAISAL WORKSHEET		

Entity Name: APPRAISAL WORKSHEET**Short Name:** AW**Plural:** APP_WORKSHEET**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

An Appraisal Worksheet is a conceptual collection of information required to process an appraisal and the results of the appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APP_EFFECTIVE_DATE		N	DATE	
The date on which the appraisal becomes effective.				
EXPIRY_DATE		N	DATE	
The date on which the worksheet becomes ineffective or outdated.				
RECVD_BY_DIST_DATE		N	DATE	
The date on which the appraisal was received by the district from the licensee.				
SENT_TO_REGION_DT		N	DATE	
The date on which the appraisal was sent from the district to the region.				
ORIGINAL_EXPIRY_DT		N	DATE	
The date on which the original appraisal was to expire at the time of confirmation.				
TTL_MERCHNTBL_AREA		N	NUMBER	7,1
The total area designated for timber harvesting within a timber mark.				
SPECIFD_OPERTN_IND		N	CHAR	1
An indicator that allows the entry of additional cost information on subsequent screens.				
ACCESSIBILITY_CODE		N	CHAR	1
A code indicating whether the mark is accessible or not. Valid values are A = Accessible and N = Non-accessible.				
REMOTENESS_IND		N	CHAR	1
A flag to indicate that this is a remote operation.				
APPRAISAL_MTHD_CD		N	CHAR	1
A code indicating the method of calculating the stumpage rates for the appraisal. Valid values are 'C' = Coast and 'I' = Interior.				
SBFEP_INDICATOR		N	CHAR	1
An indication as to whether or not a particular timber mark is in the Small Business Forest Enterprise Program.				
MVI_ELIGIBLE_IND		N	CHAR	1
An indication as to whether the appraisal is to be used to calculate the new Mean Value Index (MVI) rates for the quarterly adjustment.				
ADJUST_QRTERLY_IND		N	CHAR	1
An indication as to whether or not a quarterly adjustment needs to be performed on the timber mark.				
PT_OF_APPRAISAL_ST		N	VARCHAR2	4
The geographic destination to which the appraised cost estimate applies signified by a letter code.				
OTHERS_TIED_TO_CD		N	VARCHAR2	2
A code used to determine the price of the species harvested when they are different than the species included in the selling price estimate.				
NET_CRUISE_VOLUME		N	NUMBER	11,4
The Net Cruise Volume of timber is the Gross Volume less Decay, Waste, and Breakage for this appraisal.				
ENTRY_TIMESTAMP		N	TIMESTAMP	
The date and time when the worksheet was created.				
ENTRY_USERID		N	VARCHAR2	8

Entity Name:	APPRAISAL WORKSHEET (cont'd)	Short Name:	AW
	The userid of the person who created the worksheet.		
UPDATE_TIMESTAMP		N	TIMESTAMP
	The date and time the worksheet was last updated.		
UPDATE_USERID		N	VARCHAR2 8
	The userid of the person who last updated the worksheet.		
CONFIRMED_TIMESTAMP		N	TIMESTAMP
	The date and time that the worksheet was confirmed.		
CONFIRMED_USERID		N	VARCHAR2 8
	The userid of the person who confirmed the worksheet.		
APPRAISAL_STS_ST		N	VARCHAR2 3
	A code that shows the current status of the appraisal (eg. CON = Confirmed).		
INT_DECIDUOUS_VOL		N	NUMBER 6,0
	The Interior Deciduous Volume is representative of the volume of deciduous timber harvested from a Timber Mark. Any timber accounted as Deciduous volume is mutually exclusive from any timber accounted as part of the Net Cruise Volume.		
ORIG_CONFIRMED_TS		N	TIMESTAMP
	The date and time that the worksheet was originally confirmed.		
ORIG_CONFRM_USERID		N	VARCHAR2 8
	The userid of the person who made the original confirmation.		
RATE_CALC_MTHD_CD		N	VARCHAR2 3
	Identifies the calculation method used to establish stumpage rates.		
DISCOUNT_PCT		N	NUMBER 3,0
	The discount percentage that applies to the stumpage rate for a given timber sale.		
CALC_NMBR_BIDDERS		N	NUMBER 5,1
	The calculated number of bidders based on trends that are predicted to bid on the sale.		
TOTL_OBLG_ADJ_IND		N	CHAR 1
	An indicator as to whether or not Total Obligation Adjustment applies to this Timber Mark.		
SALVAGE_RATE_IND		N	CHAR 1
	Indicates salvage rates will be applied in the appraisal.		
COMPAR_CRUISE_IND		N	CHAR 1
	Indicates whether this appraisal is based on comparative cruise data or not.		
	* = Attributes in primary unique identifier.		

Relationships:

Each Occurrence Of This Entity:

- MAY BE contains one or more APP_SPP_SP_PROD
- MAY BE is adjusted by one and only one APPRAISAL ADJUSTMENT PARAMETERS
- MAY BE generates one or more APPINT_SPECIES
- MAY BE estimates one and only one APPRAISAL OPERATING COST
- MAY BE generates one or more APP_SPECIES
- MUST BE belong to one or more APP_STMPG_RATE
- MAY BE contains one and only one APPRAISAL WEIGHTING VOLUME
- * MUST BE is created for one and only one TIMBER MARK
- * = Relationships in primary unique identifier.

Unique Identifiers:

- AW_PK

Primary Y
- APP_EFFECTIVE_DATE
- MUST BE is created for one and only one TIMBER MARK

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

This table is to be used to supply the HDBS bridge with information in the following situations: 1. A worksheet status is changed to CNF 2. A mark is adjusted by the SAR process 3 . A confirmed worksheet is deleted

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
TIMBER_MARK		N TIMESTAMP	
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.			
HDBS_ACTION_ACODE		N CHAR	1
The type of transaction that occurred. Valid values are: a - add, c - change, d - delete, r - reactivate			
SEND_TXN_IND		N CHAR	1
A 'Y' indicates that an HDBS mark file transaction is required, a 'N' indicates that it has been sent.			
SENDING_SYSTEM		N VARCHAR2	3
The appraisal system where the transaction originated ('CAS', 'IAS', or 'SAR')			
* ENTRY_TIMESTAMP		N TIMESTAMP	
The date and time the entry was made to the activity file.			
ENTRY_USERID		N VARCHAR2	8
The userid that performed the entry to the activity file.			
SENT_TIMESTAMP		N TIMESTAMP	
The date and time the transaction was created.			
SENT_USERID		N VARCHAR2	8
The userid that created the transaction.			
* = Attributes in primary unique identifier.			

Unique Identifiers:

AHT_PK Primary Y

ENTRY_TIMESTAMP

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

This entity deals with estimates of cost per cubic metre of administrating the mark. The estimates include: Overhead, Crew Transportation, Low Volume Additive, Accommodation and Remoteness.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MARSHLNG_POINT_IND		N	CHAR	1
An indication as to whether or not a logging operation is accessible.				
ISLTD_ACCOM_TYP_CD		N	CHAR	1
Identifies type of accommodation in isolated areas for appraisal purposes.				
CREW_TRNSP_DSTNCE		N	NUMBER	5,2
Distance to move crews (see crew transportation).				
ADMIN_SPEC_OP_DESC		N	VARCHAR2	25
A description of the admin specified operation cost. The reason for overriding the cost versus allowing the system to calculate it.				
ADMIN_SPEC_OP_COST		N	NUMBER	5,2
A cost estimate determined for a specified administration operation (see ADMINISTRATION_SPECIFIED OP COST).				
GEN_AND_ADMIN_COST		N	NUMBER	7,4
Costs for related administrative and supervisory activites attributed to logging that occur at the head office, branch office and camp or operation.				
OPERATIONAL_COST		N	NUMBER	7,4
The cost estimate for non-administrative overhead.				
CREW_TRANSP_COST		N	CHAR	7
The cost of moving crew to and from the appraisal marshalling area to the centre of the work area in the cutting authority .				
REMOTENESS_COST		N	CHAR	7
The additional administrative and overhead cost incurred by remote operations.				
ACCOMMODATION_COST		N	CHAR	7
The cost of room/board for the workers.				
LOW_VOL_ADDTV_COST		N	CHAR	7
Low volume additive is zero unless the allowable annual cut or total net cruise volume is less than 5000 cubic metres.				
BUNK_COOKHOUSE_IND		N	CHAR	1
Identifies whether facilites exist or are under construction and over 80% of the logging crew resides in the camp.				
AIR_WATER_FRGT_IND		N	CHAR	1
Indicates whether all freight in/out of the camp must be shipped via air or water (not by road).				
AIRFARE_ALLOW_IND		N	CHAR	1
Indicates whether crews must be flown in/out of the camp for crew changes.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPRAISAL OPERATING COST

* = Relationships in primary unique identifier.

Unique Identifiers:

AAC_PK

Primary Y

Entity Name:	APP_ADM_CST (cont'd)	Short Name:	AAC
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MUST BE is part of one and only one APPRAISAL OPERATING COST

Entity Name: APR LANDING WROAD RECONSTRCT CS		Short Name:	ALRC
Plural:	APP_LWR_RCN_CST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The cost in dollars to reconstruct a landing or winter road. A landing is a widening of the road used for log drop and pick up by truck.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RECONSTRCT_COST_ID		N	VARCHAR2	10
A unique identifier for a landing or winter road in a timber mark to be reconstructed.				
RECONSTRCT_TYPE_CD		N	CHAR	1
A code to qualify the type of reconstruction to be performed. Valid values are 'W' (winter road) and 'L' (landing).				
RCONSTRCT_QUANTITY		N	NUMBER	5,1
The appropriate quantity of reconstruction to be performed. The value stored represents the length of the winter road when RECONSTRUCTION_TYPE_CODE is 'W' and the number of landings when RECONSTRUCTION_TYPE_CODE is 'L'.				
RCNSTRCT_APPLC_VOL		N	NUMBER	7,0
The anticipated harvested volume for the mark over which the reconstruction cost is to be applied.				
RCNSTRCT_APPLC_CST		N	NUMBER	9,2
The anticipated cost to the mark for the identified reconstruction.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST
- * = Relationships in primary unique identifier.

Unique Identifiers:

ALRC_PK	Primary	Y
MUST BE is part of one and only one APPR INTERIOR DEVELOPMENT COST		
RECONSTRCT_COST_ID		

Entity Name: AVERAGE LUMBER MARKET VALUES		Short Name:	ALV
Plural:	AVG_LMBRMKT_VAL		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The selling price for a particular zone and species per 1000 board feet of lumber. Three classifications exist: Stud (STUD, 2 X 4); Random dimension (RAND, bigger than 2 X 4); and All (All, all other classifications).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE_DATE		N	DATE	
The date on which the associated average lumber market value entry becomes effective.				
* RATE_CALC_MTHD_CD		N	VARCHAR2	3
Identifies the calculation method used to establish stumpage rates.				
* SPP_LUM_SELPRIC_ZN		N	NUMBER	2,0
The lumber selling price zone that is applicable for this species.				
* HDBS_TREE_SPECIES		N	VARCHAR2	2
A code indicating the tree species in the stand.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the average lumber market value entry has been reviewed and approved.				
STUD_MARKET_VALUE		N	NUMBER	3,0
The market value per 1000 board feet for STUD classed lumber.				
RAND_MARKET_VALUE		N	NUMBER	3,0
The market value per 1000 board feet of RAND classed lumber.				
ALL_MARKET_VALUE		N	NUMBER	3,0
The market value per 1000 board feet for ALL classifications of lumber.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

ALV_PK	Primary	Y
EFFECTIVE_DATE		
RATE_CALC_MTHD_CD		
SPP_LUM_SELPRIC_ZN		
HDBS_TREE_SPECIES		

BHCC

Annual Growth Rate:

BM - Added Aug 21, 2006

Entity Name: BCTS SALE TYPE CODE				<i>Short Name:</i>	BSTC
<i>Plural:</i>	BCTS SALE TYPE CODE				
<i>Init. Volume:</i>	5	<i>Avg. Volume:</i>	25	<i>Max. Volume:</i>	100
				<i>Annual Growth Rate:</i>	1%

Description:

The type of BC Timber Sale the appraisal is being created under.
May be Direct, Bid Proposal, or Sealed Tender.

<i>Attributes:</i>				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BCTS SALE TYPE CODE		N	VARCHAR2	1
The unique identifier for the type of timber sale conducted.				
D - direct				
B - Bid Proposal				
S - Sealed Tender				
DESCRIPTION		N	VARCHAR2	120
The full description of the type of BC Timber Sale.				
EFFECTIVE DATE		N	DATE	
The date the value becomes 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 indicates type of timber sale one or more APPRAISAL DATA SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

BSTC	Primary	Y
BCTS SALE TYPE CODE		

Entity Name: BEC CODE TABLE

Short Name:

BCT2

Plural: BEC CODE TABLE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

For INTERIOR APPRAISAL DATA SUBMISSIONS, identifies the BEC ZONE in which the road is being built.

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	5,0
Unique identifier for biogeoclimatic unit code.			
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		Y VARCHAR2	72
A comment on the Zone, Subzone, Variant, or Phase.			
EFFECTIVE DATE		Y DATE	
The date that this entry is effective.			
EXPIRY DATE		Y DATE	
The date that this entry is/becomes expired.			
UPDATE USERID		Y VARCHAR2	30
The userid of the person who last updated the entry.			
UPDATE TIMESTAMP		Y DATE	
The date and time that this entry was last updated.			
* = Attributes in primary unique identifier.			

Entity Name:	BEC CODE TABLE (cont'd)	<i>Short Name:</i>	BCT2
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Relationships:

Each Occurrence Of This Entity:

- MAY BE containing one or more ADS BEC LINK
- MAY BE identifies biogeoclimatic zone for one or more ADS HARVEST
- * = Relationships in primary unique identifier.

Unique Identifiers:

BZC	Primary	Y
BEC CODE ID		

Entity Name: BRIDGE COST TABLE			Short Name:	BCT
Plural:	BRIDGE_COST_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Estimates for bridge costs are made for bridges where their necessity is substantiated by field data. Cost estimates for log bridges are based on span lengths (distance between the centres of the top sill logs) and average crib height (measured from the bottom of the bottom sill log to the point where the stringer rests on the top sill log at the centre line of the bridge).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
Indicates whether an appraisal follows the Coast or Interior manual procedures and rates.				
* APP_BRIDGE_TYPE_ST		N	VARCHAR2	3
Identifies the type of bridge used for cost estimates.				
* BRIDGE_SPAN		N	NUMBER	4,0
The length of the bridge in metres.				
* BRIDGE_CRIB_HEIGHT		N	NUMBER	4,0
The average height of the bridge in metres.				
* EFFECTIVE_DATE		N	DATE	
The date on which the bridge cost estimate becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the bridge cost entry has been reviewed and approved.				
TABULTD_BRIDGE_CST		N	NUMBER	5,1
The total cost for an identified bridge to be included in this appraisal expressed in thousands of dollars.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

BCT_PK	Primary	Y
APPRAISAL_MTHD_CD		
APP_BRIDGE_TYPE_ST		
BRIDGE_SPAN		
BRIDGE_CRIB_HEIGHT		
EFFECTIVE_DATE		

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

Description:

Code values to identify the type of bridge being built or rebuilt for the appraisal.

Values: L - Log

P - Permanent or Portable.

<i>Attributes:</i>				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BRIDGE TYPE CODE		N	VARCHAR2	1
The unique code used to identify the type of bridge being constructed.				
DESCRIPTION		N	VARCHAR2	120
The full description of the bridge type.				
EFFECTIVE DATE		N	DATE	
The date the code becomes available for use.				
EXPIRY DATE		N	DATE	
The date after which the code 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 bridge type of one or more ADS BRIDGE

* = Relationships in primary unique identifier.

Unique Identifiers:

BTC	Primary	Y
BRIDGE TYPE CODE		

Entity Name: CATTLE GUARD AND FENCE COST			<i>Short Name:</i>	CFT
<i>Plural:</i>	CATLGRD_FNC_TBL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A base table holding the dollar cost estimate of a cattle guard, and a 100 metre length of fence (wing or remedial).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE_DATE		N	DATE	
The date on which the cattle guard and fence cost entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the cattle guard and fence cost entry has been reviewed and approved.				
FENCE_COST_100M		N	NUMBER	3,0
The cost per hundred metre section of fence (either wing or remedial fencing).				
CATTLE_GUARD_COST		N	NUMBER	5,0
The cost of a single cattle guard.				
PIPELINE_CROSS_CST		N	NUMBER	7,0
Unit cost for each pipeline crossing.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

CFT_PK	<i>Primary</i>	Y
EFFECTIVE_DATE		

Entity Name: CLIENT BUSINESS CONTACT			<i>Short Name:</i>	CBC
<i>Plural:</i>	CLIENT BUSINESS CONTACT			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Contains details about the contact person for a specific division or unit within an organization that deals with the ministry (e.g. Small Business, Export, Cruising, Piece Scaling, etc areas within a company). Each of these business areas may have a separate contact within the company (the majority of clients are individuals and will have no additional contacts).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BUS CONTACT CODE		N	VARCHAR2	3
A code to indicate the nature of the business contact. e.g. Export, Accounts Receivable, collections, etc.				
SURNAME		Y	VARCHAR2	60
Surname (last name) of the business contact for a client.				
FIRST_NAME		Y	VARCHAR2	30
First name of the business contact for a client.				
MIDDLE NAME		Y	VARCHAR2	30
Middle name of the business contact.				
POSITION TITLE		Y	VARCHAR2	30
The position of the business contact within their organization.				
BUSINESS PHONE		Y	VARCHAR2	10
Client's business telephone number and area code.				
UPDATE TIMESTAMP		N	TIMESTAMP	
The date and time of the last update.				
UPDATE USERID		N	VARCHAR2	8
The USERID of the individual who last updated this information.				
UPDATE ORG UNIT		N	VARCHAR2	5
The organizational unit number of the user who added this record or who last updated the information.				
ADD TIMESTAMP		N	TIMESTAMP	
The date and time on which the entry was created.				
ADD USERID		N	VARCHAR2	8
The USERID of the individual performing the entry.				
ADD ORG UNIT		N	VARCHAR2	5
The organizational unit number of the user who added this record.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE working for one and only one CLIENT LOCATION

* = Relationships in primary unique identifier.

Unique Identifiers:

CBC	Primary	Y
BUS CONTACT CODE		

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		Y VARCHAR2	40
Restricted for identifying corporate division names and joint venture names. Other comments are INVALID.			
HDBS COMPANY CODE		Y VARCHAR2	5
The identifier used as the key to the name and address table in the Harvest Database System. It is maintained in this system as a cross-reference to the name and address file.			
ADDRESS 1		N VARCHAR2	40
The first line of the client's address.			
ADDRESS 2		Y VARCHAR2	40
The second line of the client's address.			
ADDRESS 3		Y VARCHAR2	40
The third line of the client's address.			
CITY		N VARCHAR2	30
Town or City name of the client's address.			
PROVINCE		Y VARCHAR2	50
Province or State of the client's address.			
POSTAL CODE		Y VARCHAR2	10
Code used by Canadian Federal Government Postal System; may also contain an American Zip Code or another country's postal code.			
COUNTRY		N VARCHAR2	50
The country in which the client is located.			
BUSINESS PHONE		Y VARCHAR2	10
Client's business telephone number and area code.			
HOME PHONE		Y VARCHAR2	10
Client's Home telephone number and area code.			
CELL_PHONE		Y VARCHAR2	10
Client's business cell phone number and area code.			
FAX NUMBER		Y VARCHAR2	10
Area code and Fax number for the client location.			
LOCN EXPIRED IND		N VARCHAR2	1
Identifies a previous address for a client which should not be used for any future purposes.			
EMAIL_ADDRESS		Y VARCHAR2	128
Client's email address for this location.			
RETURNED MAIL DATE		Y DATE	
The date when the Ministry receives returned mail for this client location address.			
TRUST_LOCATION_IND		N VARCHAR2	1

Entity Name:	CLIENT LOCATION (cont'd)	Short Name:	CL
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Indicates a location to which funds held in trust will be returned to.			
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 this information.			
UPDATE ORG UNIT	N	NUMBER	10
The organizational unit number of the user who added this record or last updated the information.			
ADD TIMESTAMP	N	DATE	
The date and time on which the entry was created.			
REVISION_COUNT	N	NUMBER	5
Number of times updated			
ADD USERID	N	VARCHAR2	30
The userid of the individual performing the entry.			
ADD ORG UNIT	N	NUMBER	10,0
The organizational unit number of the user who added this record.			
CLI LOCN COMMENT	Y	VARCHAR2	4000
Text for the comment on the client location.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

- MAY BE owns one or more APPRAISAL DATA SUBMISSION
- MUST BE employing one or more CLIENT BUSINESS CONTACT
- MAY BE administered by one or more ECAS ADMIN CLIENT
- MAY BE related to one or more FOR CLIENT LINK
- * MUST BE physical location of one and only one FOREST CLIENT
- MAY BE associates one or more FOREST USER
- MAY BE having resources in one or more RPF LICENSEE REP
- * = Relationships in primary unique identifier.

Unique Identifiers:

CL_PK	Primary	Y
MUST BE physical location of one and only one FOREST CLIENT		
CLIENT LOCN CODE		

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

Description:
Describes client status

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CLIENT STATUS CODE		N	VARCHAR2	3
Code describing client status				
DESCRIPTION		N	VARCHAR2	120
Description of client status				
EFFECTIVE DATE		N	DATE	
Code effective date				
EXPIRY DATE		N	DATE	
Date 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 identifies status of one or more FOREST CLIENT
* = Relationships in primary unique identifier.

Unique Identifiers:

CSCD_PK	Primary	Y
CLIENT STATUS CODE		

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

Description:

Describes the client type

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CLIENT TYPE CODE		N	VARCHAR2	1
Describes the client 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	TIMESTAMP	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies type of one or more FOREST CLIENT

* = Relationships in primary unique identifier.

Unique Identifiers:

CTCD_PK	Primary	Y
CLIENT TYPE CODE		

Entity Name: COAST APPRAISAL**Short Name:** CA**Plural:** COAST APPRAISAL**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Subtype of:** APPRAISAL DATA SUBMISSION**Description:**

The COAST APPRAISAL allows for the identification of additional elements that are captured for COAST APPRAISAL type submissions that will not be captured for INTERIOR.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
SECOND GROWTH CONIFER VOLUME		Y NUMBER	7,0
The volume of coniferous trees being harvested that are of second growth.			
SINGLE TREE SELECTION VOLUME		Y NUMBER	7,0
The volume of wood harvested that was taken using the single tree selection harvest method.			
Used on Coast Appraisals.			
INITIAL MERCHANTABLE AREA		Y NUMBER	4,1
The first merchantable area determined for this appraisal file.			
SECOND GROWTH IND		Y VARCHAR2	1
A yes/no indicator to identify if the volume being harvested is of second growth and exceeds 80 percent of the total volume.			
SINGLE TREE CRUISE IND		Y VARCHAR2	1
An indication of whether or not there were single tree harvest cruise grades included in the APPRAISAL DATA SUBMISSION.			
AVERAGE SIDE SLOPE PCT		Y NUMBER	3,0
The grade percent of the average side slope.			
Used in Coast Appraisals			
CABLE YARDING VOLUME		Y NUMBER	8,0
The volume of trees being taken via the cable yarding method.			
Used in Coast Appraisals.			
GROUND SYSTEMS VOLUME		Y NUMBER	7,0
The volume of trees being taken by the ground system method.			
Used in Coast Appraisals.			
HELI LAND DROP VOLUME		Y NUMBER	7,0
The volume of trees being taken by the land drop method.			
Used in Coast Appraisals.			
HELI WATER DROP VOLUME		Y NUMBER	7,0
The volume of trees being taken by the water drop method.			
Used in Coast Appraisals.			
HELI PARTIAL CUT VOLUME		Y NUMBER	7,0
The volume of trees in cubic meters harvested by the helicopter partial cut method.			
Used in Coast Appraisals.			
<i>2007/03/14 BM: Added this attribute</i>			
SINGLE STEM VOLUME		Y NUMBER	7,0
The volume of trees being taken by the single stem method.			
Used in Coast Appraisals.			
CREW TRANSPORT DISTANCE		Y NUMBER	4,1
The total distance in kilometres that a work crew must be transported.			
Used in Coast Appraisal.			
HAUL DISTANCE		Y NUMBER	4,1
The distance in kilometers from the point of appraisal to the support centre.			
Used for Coast Appraisals.			
POINT OF APPRAISAL DISTANCE		Y NUMBER	4,0

Entity Name: COAST APPRAISAL (cont'd)	Short Name:	CA
Average distance in kilometers from the cutting authority to point of appraisal.		
2007/03/14 BM: Added this attribute		
WEIGHTED POINT OF ORIGIN COST	Y NUMBER	4,2
Calculated based on total transportation cost by volume divided by the total volume for the cutting permit.		
Total transportation cost by volume is calculated as the sum of the barging cost by volume and the towing cost by volume.		
Barging cost by volume is the sum of the average cost for the two points of origin identified times the total volume for the cutting permit.		
Towing cost by volume is the sum of the average cost for the two points of origin identified times the total volume for the cutting permit.		
NRST POINT OF ORIGIN COST	Y NUMBER	4,2
The cost associated to the point of origin closest and below the weighted point of origin cost.		
POINT OF ORIGIN DIFFERENCE	Y NUMBER	4,2
The diffence between the weighted point of origin cost and the closest point of origin cost.		
WEIGHTED HAUL DISTANCE	Y NUMBER	4,1
Calculated as the haul_dist_by_vol divided by the total_volume_cp.		
Haul_dist_by_vol is the sum of truck haul distance * block volume where there is a truck haul distance.		
ACCESSIBLE ISOLATED ADDITIVE	Y NUMBER	4,2
The difference between the accessible/isolated cost and the lower isolated cost value if the blending contains both isolated and accessible blocks.		
LOG TRANSPORTATION ADDITIVE	Y NUMBER	4,2
The sum of the Point of Origin Difference + Road Maintenance Additive + Towing Barging Additive.		
ROAD MAINTENANCE ADDITIVE	Y NUMBER	4,2
The additional cost calculated from the cutting authority detail page for routine road maintenance.		
2002/11/07 LAS: Added attribute as it was missed in review.		
TOWING BARGING ADDITIVE	Y NUMBER	4,2
A cost amount to be added to the Log Transportaiton Additive if towing and barging are used.		
WEIGHTED CREW TRANS DISTANCE	Y NUMBER	4,1
Calculated as the crew_trans_vol_by_dist divided by the total_crew_trans_vol.		
Total_crew_trans_vol is the sum of the block volumes where crew transportation distances are identified.		
crew_trans_vol_by_dist is the sum of the crew transportation distances * block volumes where crew transportation distances are identified.		
COAST BONUS BID AMOUNT	Y NUMBER	5,2
The amount available for the bonus bid. Used on BCTS.		
ROAD LENGTH	Y NUMBER	6,3
The total length of road in kilometers being developed by the licensee in support of this timber sale.		
Use for BCTS Appraisals in Coast.		
2003-02-05 Changed from NUMBER(5,3) to NUMBER(6,3)		
ROAD LENGTH CONSTRUCTED	Y NUMBER	5,3
The total road length in kilometers being constructed by the licensee.		
Used in BCTS Coast Appraisals.		
OVERRIDE CALC SILV LEVY IND	Y VARCHAR2	1
A yes/no indicator to identify if the calculation of the silviculture levy can be overridden.		
Used in Coast Control page.		

Entity Name:	COAST APPRAISAL (cont'd)	<i>Short Name:</i>	CA
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* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE having second water transport point identified by one and only one APP WATER TRNSP COST

MAY BE having water transport point identified by one and only one APP WATER TRNSP COST

* = Relationships in primary unique identifier.

Notes:

2007/03/14 BM: Added POINT_OF_APPRAISAL_DISTANCE and HELI_PARTIAL_CUT_VOLUME

CPOA

Annual Growth Rate:

The Point of Appraisal Code subset that is used for Coast Appraisals.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
POINT OF APPRAISAL CODE		N	VARCHAR2	4
The unique location point from the BC_LOCATION_CODE group that is identifies as a point of appraisal for either Interior Appraisal Methods or Coast.				
DESCRIPTION		N	VARCHAR2	120
The full name of the appraisal location.				
EFFECTIVE DATE		N	DATE	
The date this 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.

Each Occurrence Of This Entity:

MAY BE indicates the coast point of appraisal of one or more POINT APPRAISAL LOG DUMP XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

CPOA Primary Y

POINT OF APPRAISAL CODE

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

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
Retrofitted from column EXPANDED_RESULT of table CODE_LIST_TABLE				
EFFECTIVE DATE		N	DATE	
Retrofitted from column EFFECTIVE_DATE of table CODE_LIST_TABLE				
EXPIRY DATE		N	DATE	
Retrofitted from column EXPIRY_DATE of table CODE_LIST_TABLE				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE code values 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:

- * MUST BE identifies sets of codes of one and only one CODE LIST TABLE
- * = Relationships in primary unique identifier.

Unique Identifiers:

CLST_PK	Primary	Y
CODE SUBSET NAME		
MUST BE identifies sets of codes of one and only one CODE LIST TABLE		

Entity Name: CONSTRUCTION CATEGORY CODE			<i>Short Name:</i>	CCC
<i>Plural:</i>	CONSTRUCTION CATEGORY CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The CONSTRUCTION CATEGORY CODE identifies the type of construction used for a TABULAR ROAD or ROAD RECONSTRUCTION or END HAUL.

Examples include:
1 - 0% Rock
2 - 1-12% Rock
3 - 13-37% Rock
4 - 38-62% Rock
5 - 63-87% Rock
6 - 88+% Rock

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CONSTRUCTION CATEGORY CODE		N	VARCHAR2	1
Unique identifier for the Category code.				
DESCRIPTION		N	VARCHAR2	120
The full description of the construction category value.				
EFFECTIVE DATE		N	DATE	
The date on which this 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 identifies construction category of one or more ADS ENGINEERING SECTION COST
MAY BE identifies type of subgrade one or more ADS TABULAR ROAD SECTION
* = Relationships in primary unique identifier.

Unique Identifiers:

CCC	<i>Primary</i>	Y
CONSTRUCTION CATEGORY CODE		

Entity Name: CONSUMER PRICE INDEX			Short Name:	CPI
Plural:	CNSMR_PRIC_INDX			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
The monthly consumer price index as set by the BC Consumer price index guide (P110000).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE_DATE		N	DATE	
The monthly period for which the consumer price index is applicable.				
CNSMR_PRICE_INDEX		N	NUMBER	5,1
The monthly value as reported by the BC Consumer Price index guide (P110000).				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the monthly consumer price index value has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

CPI_PK	Primary	Y
EFFECTIVE_DATE		

Entity Name: CORPORATE REPORTING			Short Name:	CRT1
Plural:	CORP_RPTNG_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This table contains the grouping information for selected (SAR) reporting. Client numbers are typically "rolled up" into a common, larger reporting company code (client number).

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.				
* EFFECTIVE_DATE		N	DATE	
The date on which the corresponding company reporting entry becomes valid. Please note that, for all intents and purposes, this date should correspond to a stumpage rate effective date.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated company reporting entry has been reviewed and approved.				
RPT_GRP_CLIENT_NUM		N	VARCHAR2	8
Sequentially assigned number to identify a ministry client.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE is grouped by one and only one FOREST CLIENT

MUST BE reports appraisals for one and only one FOREST CLIENT

* = Relationships in primary unique identifier.

Unique Identifiers:

CRT1_PK	Primary	Y
CLIENT_NUMBER		
EFFECTIVE_DATE		

Entity Name: COST TREND			Short Name:	CTT
Plural:	COST_TREND_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Factors applied to each appraisal logging cost, milling cost and silviculture costs to make the estimates current. The trend factors are used to provide a common cost to logging, milling and silviculture cost for a particular time period (provides a Net Present Value estimate).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
The method used to determine the appraisal. Eg. 'C' = Coast, 'I' = Interior.				
* POLICY_EFCTV_DATE		N	DATE	
The date on which the appraisal manual or policy becomes effective.				
* FACTOR_EFCTV_DATE		N	DATE	
The date on which the silviculture, logging, and milling trend factors become effective.				
SILVIC_TREND_FACTR		N	NUMBER	5,3
The trend factor value applied to the silviculture cost which updates costs to the applicable dates.				
LOGING_TREND_FACTR		N	NUMBER	5,3
The trend factor value applied to the logging cost which updates costs to the applicable date .				
MILING_TREND_FACTR		N	NUMBER	5,3
The trend factor value applied to the milling cost which updates costs to the applicable date.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the cost trend entry has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

CTT_PK	Primary	Y
APPRAISAL_MTHD_CD		
POLICY_EFCTV_DATE		
FACTOR_EFCTV_DATE		

Entity Name: CUSTOMER REPORTING CROSSOVER TB		<i>Short Name:</i>	CRT
<i>Plural:</i>	CMPNY_RPTNG_TBL		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

This table contains the report grouping information for the Stumpage Adjustment and Reporting (SAR) output. Client numbers listed in this table are typically "rolled up" into a common, larger reporting company code to ease report administrative effort.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
A one character code representing the appraisal method that this company entry applies to. Valid values are 'I' (Interior) and 'C' (Coast).				
* CLIENT_NUMBER		N	VARCHAR2	8
Sequentially assigned number to identify a ministry client.				
* EFFECTIVE_DATE		N	DATE	
The date on which the corresponding company reporting entry becomes valid. Please note that, for all intents and purposes, this date should correspond to a stumpage rate effective date.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated company reporting entry has been reviewed and approved.				
RPT_GRP_CLIENT_NUM		N	VARCHAR2	8
Sequentially assigned number to identify a ministry client.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE is grouped by one and only one FOREST CLIENT
MUST BE reports appraisals for one and only one FOREST CLIENT
* = Relationships in primary unique identifier.

Unique Identifiers:

CRT_PK	Primary	Y
APPRAISAL_MTHD_CD		
CLIENT_NUMBER		
EFFECTIVE_DATE		

Entity Name: CUT BLOCK**Short Name:**

CBLK

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

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

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* CB SKEY		N NUMBER	10
The unique identifier for a cut block.			
FOREST FILE ID		N VARCHAR2	10
File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.			
CUTTING PERMIT ID		Y VARCHAR2	3
Identifier for a cutting permit associated with a quota type tenure.			
CUT BLOCK ID		N VARCHAR2	10
Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).			
BLOCK STATUS ST		N VARCHAR2	3
The current status of the operational harvesting area, eg., Pending - Planned, Harvesting - Suspended. This is a subset of Timber_status_code.			
CUT BLOCK DESCRIPTION		Y VARCHAR2	120
Description of the code value			
BLOCK STATUS DATE		Y DATE	
The date on which the current cut block status was set.			
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.			
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.			
UPDATE TIMESTAMP		N DATE	
The timestamp of the last update to the cut block information.			
UPDATE USERID		N VARCHAR2	30
The userid of the person who performed the last update to the information.			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

MAY BE harvest area amended by one or more ADS AMENDMENT

MAY BE having cost rate calculated for in one or more ADS CUTTING AUTHORITY DETAIL

MAY BE included in one or more PRMT AUTHZD BLK

MAY BE identifies harvest area of one and only one TIMBER MARK

* = Relationships in primary unique identifier.

Unique Identifiers:

Entity Name:	CUT BLOCK (cont'd)	Short Name:	CBLK
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CUT_BLOCK_UKPrimaryN

MAY BE identifies harvest area of one and only one TIMBER MARK

CUT BLOCK ID

CUT_BLOCK_PKPrimaryY

CB SKEY

Entity Name: DEFAULT STUMPAGE RATE TABLE			Short Name:	DSR
Plural:	DFLT_STMPG_RT_T			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This table: 1) stores the maximum stumpage rate for an appraised species, where applicable; 2) stores the default stumpage rate for billing purposes for a species-product-grade combination that does not have rates specified in an individual appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
The method used to determine the appraisal being done. (eg. 'c' = Coast, 'I' = Interior)				
* HDBS_SPP_PRD_GRADE		N	VARCHAR2	5
A five character code. Two characters stand for the tree species in a volume. Another two characters stand for the product to be made and the last character stands for the quality of the species found within a given volume.				
* ORG_UNIT_NO		N	NUMBER	7,0
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".				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated default rate entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated default rate entry has been reviewed and approved.				
DEFAULT_RESERVE_RT		N	NUMBER	5,2
The default rate at which the species product grade combination is billed when there is no appraisal information available. This figure is expressed in a \$/m3 figure.				
MAX_APPRAISED_RATE		N	NUMBER	5,2
The maximum rate at which an appraisal species product grade combination may be rated. This figure is expressed in a \$/m3 figure.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

DSR_PK	Primary	Y
APPRAISAL_MTHD_CD		
HDBS_SPP_PRD_GRADE		
ORG_UNIT_NO		
EFFECTIVE_DATE		

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

Description:

Stores information used to associate VM user identifications with printers for default output.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* USERID		N	VARCHAR2	8
A UNIQUE IDENTIFIER ASSIGNED TO EACH PERSON (USER) WHO A unique identifier assigned to each person (user) who is authorized to access and use computer resources. The userid in conjunction with a password known only to that user ensures that only authorized users access each computer system.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

DP_PK	<i>Primary</i>	Y
USERID		

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

Description:

A single row entry table for control purposes.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DUMMY_ACCESS_KEY		N	CHAR	1
Dummy key for single row control type tables.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

DA_PK	<i>Primary</i>	Y
DUMMY_ACCESS_KEY		

Entity Name: ECAS ACTION CODE			<i>Short Name:</i>	EACD
<i>Plural:</i>	ECAS ACTION CODE			
<i>Init. Volume:</i>	10	<i>Avg. Volume:</i>	15	<i>Max. Volume:</i> 20
			<i>Annual Growth Rate:</i>	1%

Description:

The type of event which may be recorded in the ECAS application system.

Include such things as: Import
Update
Submit
Approve
Delete
Validate
EMail
Exception

<i>Attributes:</i>				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ECAS ACTION CODE		N	VARCHAR2	3
The unique code used to identify the event type.				
DESCRIPTION		N	VARCHAR2	120
The full description of the value.				
EFFECTIVE DATE		N	DATE	
The first 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 indicating type of action one or more ECAS AUDIT EVENT

* = Relationships in primary unique identifier.

<i>Unique Identifiers:</i>		
EETC	<i>Primary</i>	Y
ECAS ACTION CODE		

Entity Name: ECAS ADMIN CLIENT*Short Name:*

EAC

Plural: ECAS ADMIN CLIENT*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

The ECAS ADMIN CLIENT entity allows for the assignment of a client location to a MOF USER entry.

One District Appraisal Officer may be responsible for receiving and accepting one or more CLIENT LOCATION files.

One Regional manager may be responsible for approving one or more Client Location files.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
DISTRICT REP IND		N VARCHAR2	1
A yes/no indication to identify if the MOF USER is the district representative for this client location			
REGION REP IND		N VARCHAR2	1
A yes/no indication of if the MOF USER is the Regional Representative for this client location			
EFFECTIVE DATE		N DATE	
The date the assignment started.			
EXPIRY DATE		N DATE	
The date after which this resource is no longer doing work for this client location.			
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	80
The unique user id of the resource who initially added the entry.			
ENTRY TIMESTAMP		N DATE	
The date and time the entry was created.			
UPDATE USERID		N VARCHAR2	80
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:

* MUST BE administering ECAS data for one and only one CLIENT LOCATION

* MUST BE managed by one and only one MOF USER

* = Relationships in primary unique identifier.

Unique Identifiers:

EAC Primary Y

MUST BE administering ECAS data for one and only one CLIENT LOCATION

MUST BE managed by one and only one MOF USER

2005-10-27 B.Macpherson - Added

Entity Name: ECAS ADMINISTRATION		Short Name:	EA
Plural:	ECAS ADMINISTRATION		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The ECAS ADMINISTRATION entity contains the userid of the Ministry Staff requiring access to the Appraisal Data Submissions.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ECAS ADMINISTRATION CODE		N	VARCHAR2	30
A unique identifier for the ECAS ADMINISTRATION entry. Will equate to the USER_ID in the MOF_USER table.				
EFFECTIVE DATE		N	DATE	
The date this account became effective or available for use.				
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	80
The unique user id of the resource who initially added the entry.				
ENTRY TIMESTAMP		N	DATE	
The date and time the entry was created.				
UPDATE USERID		N	VARCHAR2	80
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.				

Unique Identifiers:

EA	Primary	Y
ECAS ADMINISTRATION CODE		

Entity Name: ECAS AUDIT COMMENT		Short Name:	EAC1
Plural:	ECAS AUDIT COMMENT		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

A data file submitted to the ministry to create in support of the action audited

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
AUDIT COMMENT		N	IMAGE	
An open comment field used when the status of the APPRAISAL DATA SUBMISSION changes to allow the Licensee, RPF, District Office or Regional Office to add notes on the file.				
Will include the notes entered by the District or Region or the errors that were encountered during validation.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE contains one and only one ECAS AUDIT EVENT
- * = Relationships in primary unique identifier.

Unique Identifiers:

EAC1	Primary	Y
MUST BE contains one and only one ECAS AUDIT EVENT		

Entity Name: ECAS AUDIT DETAIL			<i>Short Name:</i>	EAD
<i>Plural:</i>	ECAS AUDIT DETAIL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Details each of the changes included during an ECAS 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>
* AUDIT DETAIL ID		N	NUMBER	12,0
The unique identifier for the audit detail entry. Created through a sequence.				
BUSINESS IDENTIFIER		Y	VARCHAR2	50
Business information that identifes the data change audited.				
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 TIMESTAMP		N	DATE	
The date and time the data change occurred.				
ENTRY USERID		N	VARCHAR2	80
The userid of the person who changed the data.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE identifying changes for one and only one ECAS AUDIT EVENT
- * = Relationships in primary unique identifier.

Unique Identifiers:

EAD	Primary	Y
AUDIT DETAIL ID		
MUST BE identifying changes for one and only one ECAS AUDIT EVENT		

Entity Name: ECAS AUDIT EVENT**Short Name:** EAE**Plural:** ECAS AUDIT EVENT**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

The AUDIT EVENT will identify all activity that has occurred for each APPRAISAL submitted.

An AUDIT EVENT may be created for the import of the Appraisal Data but may not result in the creation of an entry in the APPRAISAL DATA SUBMISSION due to errors.

Audit Events include:

ACTION_CD DESCRIPTION

D DELETE

L UPLOAD

V VALIDATE

E EMAIL

X EXCEPTION

U UPDATE

The event entity will also contain the pointer to the XML file if the submission was electronic.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* AUDIT EVENT ID		N	NUMBER	12,0
The unique identifier for the AUDIT EVENT. Created through the use of a sequence number.				
ENTRY TIMESTAMP		N	DATE	
The date and time the data change occurred.				
ENTRY USERID		N	VARCHAR2	80
The userid of the person who changed the data.				
EMAIL SENT IND		N	VARCHAR2	1
A yes/no indication of whether or not a required email has been sent regarding this appraisal submission.				
SENT TO USERID		Y	CHAR	80
The Userid to whom the email was sent when the event is Email.				
2002/10/30 LAS: Modified to add Sent_to_userid column for inbox search use.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

- * MUST BE indicating actions for one and only one APPRAISAL DATA SUBMISSION CONTROL
- MUST BE event classified by one and only one ECAS ACTION CODE
- MAY BE has one and only one ECAS AUDIT COMMENT
- MAY BE summarizing changes of one or more ECAS AUDIT DETAIL
- MAY BE Xml submission contained in one and only one ECAS SUBMITTED FILE
- * = Relationships in primary unique identifier.

Unique Identifiers:

AUDEV T Primary Y

AUDIT EVENT ID

MUST BE indicating actions for one and only one APPRAISAL DATA SUBMISSION CONTROL

Notes:

2002/10/30 LAS: Modified to add Sent_to_userid column for inbox search use.

BM: May 2006. Dropped the XML FILE NAME attribute and added relationship to ECAS SUBMITTED FILE.

BM: Dec 12, 2006. The project to store ECAS attachments and xml files in the database has been put in hold temporarily. The changes made in May 2006 have not been reversed because the intent is that they be implemented in the near future.

Entity Name: ECAS AUTONOTIFY DISTRICT USER		Short Name:	EADU
Plural:	ECAS AUTONOTIFY DISTRICT USER		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The ECAS Autonotify District User entity allows for the identification of all MOF USERS within an identified District of the ORG UNIT who will be emailed when an appraisal file has not been received or approved within a predefined timeframe.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
COPY IND		N	VARCHAR2	1
A yes/no indication to identify if this user is to be copied on the note or not. If Yes, their userid and name will appear in the CC section of the page. If No, their userid and name will appear in the To section of the page.				
* EFFECTIVE DATE		N	DATE	
The date this record is available for use.				
EXPIRY DATE		N	DATE	
The date after which this entry is no longer available for use.				
REVISION COUNT		N	NUMBER	5,0
The number of times this entry has been modified.				
UPDATE TIMESTAMP		N	DATE	
The date and time the record was last modified.				
UPDATE USERID		N	VARCHAR2	80
The userid of the resource who did the last modification.				
* = Attributes in primary unique identifier.				

Relationships:

<u>Each Occurrence Of This Entity:</u>
* MUST BE including district reps from one and only one MOF USER
* MUST BE working in district of one and only one ORG UNIT
* = Relationships in primary unique identifier.

Unique Identifiers:

EADU	Primary	Y
MUST BE working in district of one and only one ORG UNIT		
MUST BE including district reps from one and only one MOF USER		
EFFECTIVE DATE		

Entity Name: ECAS ESF SUBMISSION		<i>Short Name:</i>	ECASSUB
<i>Plural:</i>	ECAS ESF SUBMISSION		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Records the Id of the Electronic Submission Framework (ESF) submission that creates an Appraisal Data Submission

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ENTRY TIMESTAMP		N	DATE	
The date and time the appraisal was submitted though the Electronic Submission Framework				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE results in one and only one APPRAISAL DATA SUBMISSION
 - * MUST BE records one and only one ELECTRONIC SUBMISSION
- * = Relationships in primary unique identifier.

Unique Identifiers:

ECASSUB_PK	Primary	Y
MUST BE records one and only one ELECTRONIC SUBMISSION		
MUST BE results in one and only one APPRAISAL DATA SUBMISSION		

Notes:

ESF data is only to be obtained through the ESF interfaces and not directly through the database. As a result, although the ELECTRONIC SUBMISSION table is related to this table for informational purposes, no constraint will be implemented between it and ECAS ESF SUBMISSION.

Added July 2006 - BM

Entity Name: ECAS FILE		<i>Short Name:</i>	EFIL
<i>Plural:</i>	ECAS FILE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Content of a file submitted for, or supporting, a stumpage appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
FILE CONTENT		N	IMAGE	

Content of a file submitted for, or supporting, a stumpage appraisal.

BM: Added May 2006

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

* MUST BE contains one and only one ECAS SUBMITTED FILE

* = Relationships in primary unique identifier.

Unique Identifiers:

EFIL	Primary	Y
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MUST BE contains one and only one ECAS SUBMITTED FILE

Notes:

BM: Added May 2006

BM: Dec 12, 2006. The project ot store ECAS attachments and xml files in the database has been put in hold temporarily. The changes made in May 2006 adding this entity have not not been reversed because the intent is that it be implemented in the near future.

Entity Name: ECAS PARAMETER			<i>Short Name:</i>	EP
<i>Plural:</i>	ECAS PARAMETER			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

ECAS Parameter contains the various one-off application values that may change in the future but are not so frequently modified as to be contained within their own entity.

- This includes:
- Interior Appraisal Year
 - Coast Appraisal Year
 - End Haul Difficulty Factor
 - Culvert Allowance
 - R3 Subgrade Factor

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PARAMETER NAME		N	VARCHAR2	30
The unique identifier of the parameter value.				
This is the name used by the database package to retrieve the stored value.				
* EFFECTIVE DATE		N	DATE	
The date the parameter value is available for use from.				
DESCRIPTION		N	VARCHAR2	120
The description of the parameter including where it is used.				
PARAMETER VALUE		N	VARCHAR2	10
The value of the parameter.				
Stored in Varchar2 data type but may be a number value.				
Packages retrieving this data will have to convert to appropriate data type in order to use for calculation purposes.				
EXPIRY DATE		N	DATE	
The date after which the value is no longer available.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
UPDATE USERID		N	VARCHAR2	80
The userid of the resource who last modified the data				
* = Attributes in primary unique identifier.				

Unique Identifiers:

EP	Primary	Y
PARAMETER NAME		
EFFECTIVE DATE		

Entity Name: ECAS SUBMITTED FILE*Short Name:*

ESF

Plural: ECAS SUBMITTED FILE*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

A data file submitted to the ministry to create, or in support of, a stumpage appraisal.
 The actual file content (BLOB) is in ECAS FILE for physical database support reasons.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ECAS SUBMITTED FILE ID		N	NUMBER	12,0
Sequential number is unique identifier for the submitted file.				
FILE_NAME		N	VARCHAR2	100
The name, including file name extension, of the file file submitted by the user. No directory path information is stored.				
ENTRY_TIMESTAMP		N	DATE	
The date and time the entry was created.				
ENTRY_USERID		N	VARCHAR2	30
The unique user id of the resource who initially added the entry.				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:Each Occurrence Of This Entity:

MAY BE Stored for one and only one ECAS AUDIT EVENT

or MAY BE Stored for one or more ADS SUPPORT DOCUMENT

* MUST BE is associated with one and only one APPRAISAL DATA SUBMISSION CONTROL

MUST BE is in one and only one ECAS FILE

MAY BE mime type identified by one and only one MIME TYPE CODE

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

ESF

*Primary Y**ECAS SUBMITTED FILE ID**MUST BE is associated with one and only one APPRAISAL DATA SUBMISSION CONTROL***Notes:**

BM: Created May 2006

Included relationship to MIME TYPE CODE to identify the file mime type.

BM: Dec 12, 2006. The project ot store ECAS attachments and xml files in the database has been put in hold temporarily.
 The changes made in May 2006 adding this entity have not not been reversed because the intent is that it be implemented in the near future.

Entity Name: ECAS USER PREFERENCE			<i>Short Name:</i>	EUPC
<i>Plural:</i>	ECAS USER PREFERENCES			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A personalized system preference for ECAS users.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
PREFERENCE_VALUE		N	VARCHAR2	80
Value of the user's preference.				
ENTRY_USERID		N	VARCHAR2	30
The unique user id of the resource who initially added the entry.				
ENTRY_TIMESTAMP		N	DATE	
The date and time the entry was created.				
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:

- * MUST BE defined by one and only one ECAS USER PREFERENCE TYPE CODE
- * MUST BE personalization for one and only one MOF USER
- * = Relationships in primary unique identifier.

Unique Identifiers:

EUPC	<i>Primary</i>	<i>Y</i>
<i>MUST BE personalization for one and only one MOF USER</i>		
<i>MUST BE defined by one and only one ECAS USER PREFERENCE TYPE CODE</i>		

Notes:

Added 2003/08/13 - jstorey

Entity Name: ECAS USER PREFERENCE TYPE CODE		<i>Short Name:</i>	EUPTC
<i>Plural:</i>	ECAS USER PREFERENCE TYPE CODES		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Allows for the classification of user preference types in ECAS.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ECAS_USER_PREFERENCE_TYPE_CODE		N	VARCHAR2	4
E				
A unique code type that defines an ECAS user preference.				
DESCRIPTION		N	VARCHAR2	120
Description for an ECAS user preference type.				
EFFECTIVE_DATE		N	DATE	
The date this 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 defines one or more ECAS USER PREFERENCES

* = Relationships in primary unique identifier.

Unique Identifiers:

EUPTC_UK	Primary	Y
ECAS_USER_PREFERENCE_TYPE_CODE		

Notes:

Added 2003/08/13 - jstorey

Entity Name: ECAS USER TYPE CODE				<i>Short Name:</i> EUTC	
<i>Plural:</i> ECAS USER TYPE CODE					
<i>Init. Volume:</i> 10		<i>Avg. Volume:</i> 25		<i>Max. Volume:</i> 100	
				<i>Annual Growth Rate:</i> 1%	

Description:

The USER TYPE entity allows for the classification of the ECAS USER.

- Known types will be:
- Ministry - HQ
 - Ministry - Regional
 - Ministry - District
 - Ministry - Other

Licensee
RPF

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* USER TYPE CODE		N	VARCHAR2	1
The unique identifier for the type of user.				
DESCRIPTION		N	VARCHAR2	120
The full description of the USER TYPE.				
EFFECTIVE DATE		N	DATE	
The date this USER TYPE value is effective and available for use.				
EXPIRY DATE		N	DATE	
The date the USER TYPE value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the entry was last modified.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

UT	Primary	Y
USER TYPE CODE		

Entity Name: ECAS02_AUDIT_SEARCH		<i>Short Name:</i>	EAS
<i>Plural:</i>	ECAS02_AUDIT_SEARCH		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A Global Temporary Table used for the ECAS02 page.

Attributes:

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

Entity Name: ECAS05_INBOX_SEARCH		<i>Short Name:</i>	EIS
<i>Plural:</i>	ECAS05_INBOX_SEARCH		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A Global Temporary Table used for the ECAS05 page.

Attributes:

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

Entity Name:	ECAS44_COAST_GRADE_PCT	<i>Short Name:</i>	ECCP
<i>Plural:</i>	ECAS44_COAST_GRADE_PCT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A Global Temporary Table used for the ECAS44 page.

Attributes:

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

Entity Name:	ECAS84_USER_SEARCH	<i>Short Name:</i>	EUS
<i>Plural:</i>	ECAS84_USER_SEARCH		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A Global Temporary Table used for the ECAS84 page.

Attributes:

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

Entity Name:	ELECTRONIC SUBMISSION	<i>Short Name:</i>	ESF_SUB
<i>Plural:</i>	ELECTRONIC SUBMISSION		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

This entity belongs to the Electronic Submission Framework (ESF) system and is in the ECAS model for information ourposes only.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SUBMISSION ID		Y	NUMBER	10
Unique identifier of an ESF submission				
* = <i>Attributes in primary unique identifier.</i>				

Relationships:

Each Occurrence Of This Entity:

MAY BE is recorded in one and only one ECAS ESF SUBMISSION

* = *Relationships in primary unique identifier.*

Unique Identifiers:

ESF_SUB_PK	<i>Primary</i>	Y
SUBMISSION ID		

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

Description:

The types of files contained within the Prov Forest Use entity.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FILE TYPE CODE		N	VARCHAR2	10
Unique code to identify a type of forest file.				
DESCRIPTION		N	VARCHAR2	120
The full description of the file type.				
EFFECTIVE DATE		N	DATE	
The date when 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 indicates type of forest file of one or more PROV FOREST USE

* = Relationships in primary unique identifier.

Unique Identifiers:

FTC	<i>Primary</i>	Y
FILE TYPE CODE		

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

Description:
Contains information about a Ministry of Forests userid except VAX and MVS userids.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FL_USER_NO		N	NUMBER	7,0
Unique identifier for a user of ministry of forests computers.				
* MACHINE		N	VARCHAR2	8
Unique identifier for a ministry computer.				
* USERID		N	VARCHAR2	8
A unique identifier assigned to each person (user) who is authorized to access and use computer resources. the userid in conjunction with a password known only to that user ensures that only authorized users access each computer system.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

FUID_PK	Primary	Y
FL_USER_NO		
MACHINE		
USERID		

Entity Name: FOR CLIENT LINK			<i>Short Name:</i>	FCL
<i>Plural:</i>	FOR CLIENT LINK			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

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				
FILE CLIENT TYPE		N	VARCHAR2	1
Indicates the type of relationship the client has to the file.				
CUTTING PERMIT ID		Y	VARCHAR2	3
Identifier for a cutting permit associated with a quota type tenure.				
CUT BLOCK ID		Y	VARCHAR2	10
Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).				
LICENSEE START DT		Y	DATE	
The date the licensee started being a client.				
LICENSEE END DATE		Y	DATE	
The date the licensee stopped being a client				
REVISION COUNT		N	NUMBER	5
Retrofitted from column REVISION_COUNT of table FOR_CLIENT_LINK				
ENTRY USERID		N	VARCHAR2	30
Retrofitted from column ENTRY_USERID of table FOR_CLIENT_LINK				
ENTRY TIMESTAMP		N	DATE	
Retrofitted from column ENTRY_TIMESTAMP of table FOR_CLIENT_LINK				
UPDATE USERID		N	VARCHAR2	30
Retrofitted from column UPDATE_USERID of table FOR_CLIENT_LINK				
UPDATE TIMESTAMP		N	DATE	
Retrofitted from column UPDATE_TIMESTAMP of table FOR_CLIENT_LINK				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

* MUST BE identified for one and only one CLIENT LOCATION

MUST BE identified for one and only one PROV FOREST USE

** = Relationships in primary unique identifier.*

Unique Identifiers:

FCL_PK	Primary	Y
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MUST BE identified for one and only one CLIENT LOCATION

FOR CLIENT LINK SKEY

Entity Name: FOREST CLIENT			<i>Short Name:</i>	FC
<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.				
CLIENT_ACRONYM		Y	VARCHAR2	8
A familiar alphabetic acronym to be used as an alternate to the ministry's client number for data entry and display.				
LEGAL FIRST NAME		Y	VARCHAR2	30
The client's legal first name				
LEGAL MIDDLE NAME		Y	VARCHAR2	30
The client's legal middle name of names if an individual.				
BIRTHDATE		Y	DATE	
Client's date of birth, if the client is an individual.				
CORP REGN NMBR		Y	VARCHAR2	9
Client's corporate registration number.				
OCG SUPPLIER NMBR		Y	VARCHAR2	10
Office of the Controller General's reference number for identification of Government Suppliers.				
REVISION_COUNT		N	NUMBER	5
Number of times updated				
WCB FIRM NUMBER		Y	VARCHAR2	6
Workers Compensation Board registration number.				
CLIENT COMMENT		Y	VARCHAR2	4000
Text for the comment on the client.				
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 this information.				
UPDATE ORG UNIT		N	NUMBER	10,0
The organizational unit number of the user who added this record or who last updated the information.				
ADD TIMESTAMP		N	DATE	
The date and time on which the entry was created.				
ADD USERID		N	VARCHAR2	30
The USERID of the individual performing the entry.				
ADD ORG UNIT		N	NUMBER	10,0
The organizational unit number of the user who added this record.				

* = Attributes in primary unique identifier.

Relationships:

Entity Name:	FOREST CLIENT (cont'd)	Short Name:	FC
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Each Occurrence Of This Entity:

- MAY BE located in one or more CLIENT LOCATION
- MUST BE status identified by one and only one CLIENT STATUS CODE
- MUST BE type identified by one and only one CLIENT TYPE CODE
- MAY BE is grouped for one and only one CORPORATE REPORTING
- MAY BE is included for one or more CORP_RPTNG_TBL
- MAY BE combines one or more CMPNY_RPTNG_TBL
- MAY BE is grouped for one and only one CUSTOMER REPORTING CROSSOVER TBL
- * = Relationships in primary unique identifier.

Unique Identifiers:

I1\$_FOREST_CLIENT	Primary	N
CLIENT NAME		
LEGAL MIDDLE NAME		
LEGAL FIRST NAME		
CLIENT NUMBER		
FOREST_CLIENT_PK	Primary	Y
CLIENT NUMBER		

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

Description:

Contains information about a Ministry of Forests user except VAX and MVS userids.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FL USER NO		N	NUMBER	10
Unique identifier for a user of Ministry of Forests' computers				
USER TYPE CODE		N	VARCHAR2	2
Indicates the function the user serves or the relationship the user hs to the Ministry				
SURNAME		N	VARCHAR2	60
The Surname of the computer user				
FIRST NAME		N	VARCHAR2	30
The first name of the computer user				
MIDDLE NAME		N	VARCHAR2	30
The middle initial of the computer user				
BUSINESS PHONE		N	VARCHAR2	10
The user's business telephone number including the area code				
LOCATION CODE		N	VARCHAR2	3
Unique identifier for one of the office locations within the Ministry of Forests				
MINISTRY CODE		N	VARCHAR2	3
A code representing the Ministry the user belongs to. Currently not used, but was historically used to identify FOR (Ministry of Forests) and CL (Crown Lands) users when the Ministries were marged in the past.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE associated with one and only one CLIENT LOCATION

MUST BE working for one and only one ORG UNIT

* = Relationships in primary unique identifier.

Unique Identifiers:

FU	Primary	Y
FL USER NO		

Entity Name: GRADE LEVEL				<i>Short Name:</i> GL	
<i>Plural:</i> GRADE LEVEL					
<i>Init. Volume:</i> 5		<i>Avg. Volume:</i> 10		<i>Max. Volume:</i> 15	
				<i>Annual Growth Rate:</i> 1%	

Description:

The level from which the source of the grade is determined.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* GRADE LEVEL		N	VARCHAR2	3
The unique code indicating the source level that the grade is coming from.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the value is available from.				
EXPIRY DATE		N	DATE	
The date after which the value is no longer available.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
UPDATE USERID		N	VARCHAR2	80
The userid of the resource who last modified the data				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE indicates source level for one or more GRADE SOURCE

* = Relationships in primary unique identifier.

Unique Identifiers:

LT	Primary	Y
GRADE LEVEL		

Notes:

2002/11/21 LAS: renamed from LEVEL TYPE at the request of MOF DA.

Entity Name: GRADE SOURCE				<i>Short Name:</i> GS	
<i>Plural:</i> GRADE SOURCE					
<i>Init. Volume:</i> 10		<i>Avg. Volume:</i> 15		<i>Max. Volume:</i> 25	
				<i>Annual Growth Rate:</i> 1%	

Description:

The source of the grade for the appraisal.
Grade source is the level from which the grade is determined for the appraisal species
Examples:
Cruise
Mark
Licence TL Only

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* GRADE SOURCE		N	VARCHAR2	8
The unique code used to identify the source of the grade for the harvested wood.				
DESCRIPTION		N	VARCHAR2	120
The full description of the grade source.				
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.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last modification.				
UPDATE USERID		N	VARCHAR2	80
The userid of the resource who last modified the data				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE indicationg source of grade of one or more ADS SPECIES VOLUME
MUST BE source level identified by one and only one GRADE LEVEL
* = Relationships in primary unique identifier.

Unique Identifiers:

GSC	Primary	Y
GRADE SOURCE		

Entity Name: HARVEST SYSTEM CODE			<i>Short Name:</i> HSC	
<i>Plural:</i> HARVEST SYSTEM CODE				
<i>Init. Volume:</i> 2		<i>Avg. Volume:</i> 5		<i>Max. Volume:</i> 10
				<i>Annual Growth Rate:</i> 1%

Description:

The system of harvesting planned for use for the appraisal.
Subset of silv_system_code and status_code.
Will contain either Clear - clear cut or Ptl - Partial not total, incomplete

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HARVEST SYSTEM CODE		N	VARCHAR2	5
DESCRIPTION		N	VARCHAR2	120
EFFECTIVE DATE		N	DATE	
EXPIRY DATE		N	DATE	
UPDATE TIMESTAMP		N	DATE	

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE indicates system of harvest of one or more ADS HARVEST

* = Relationships in primary unique identifier.

Unique Identifiers:

HSC	<i>Primary</i>	Y
HARVEST SYSTEM CODE		

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

Information about the agreement under which quota-type tenures operate. This refers to the distribution of the AAC and the area to be harvested, reflected as a commitment by the Forest Service to the tenure holder. This is the tenure current AAC.

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.				
MARK_DESIGNATE		N	CHAR	3
The prefix for crown marks associated with certain quota type tenures. The mark is composed of the Mark Designate concatenated with the Cutting Permit identifier.				
SCHEDULE_A_AAC		N	NUMBER	9,0
The volume in cubic metres, that the tenure holder is allowed to cut on the private land under tenure.				
SCHEDULE_A_AREA		N	NUMBER	11,4
Private Land area remaining under the licence.				
SCHEDULE_A_CONIF		N	NUMBER	9,0
The volume, in cubic metres, that the tenure holder is allowed to cut of coniferous species on private land under tenure.				
SCHEDULE_A_DECID		N	NUMBER	9,0
The volume, in cubic metres, that the tenure holder is allowed to cut of deciduous species on private land under tenure.				
SCHEDULE_B_AAC		N	NUMBER	9,0
The volume, in cubic metres, that the tenure holder is allowed to cut on the crown land under tenure.				
SCHEDULE_B_AREA		N	NUMBER	11,4
Crown land area remaining under the licence.				
SCHEDULE_B_CONIF		N	NUMBER	9,0
The volume, in cubic metres, that the tenure holder is allowed to cut of coniferous species on crown land under tenure.				
SCHEDULE_B_DECID		N	NUMBER	9,0
The volume, in cubic metres, that the tenure holder is allowed to cut of deciduous species on crown land under tenure.				
SECTION_52_CONIF		N	NUMBER	9,0
The volume, in cubic metres, that the tenure holder is allowed to cut of coniferous species on crown land under tenure due to Section 52 allotments.				
SECTION_52_DECID		N	NUMBER	9,0
The volume, in cubic metres, that the tenure holder is allowed to cut of deciduous species on crown land under tenure due to Section 52 allotments.				
UPDATE_TIMESTAMP		N	TIMESTAMP	
The date and time of the last modification.				
UPDATE_USERID		N	VARCHAR2	8
The userid of the individual who last modified this information.				

* = Attributes in primary unique identifier.

Unique Identifiers:

HC_PK Primary Y

FOREST_FILE_ID

Entity Name: HARVEST_HISTORY			Short Name:	HH
Plural:	HARVEST_HISTORY			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This is the table used to store volume and value data for a Mark. The volumes are summary data, retained by Species, product, grade, billing period, and billing type. It exists for performance reasons to support the various queries and reports.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TIMBER_MARK		N	VARCHAR2	6
The Timber Mark is a unique set of characters that is used to identify logs that are harvested from a specific area. The Mark is associated with a tenure of some type, which in turn is held by at least one Client.				
* BILLING_YEAR		N	NUMBER	4,0
This is the year in which the recorded volume was billed.				
* BILLING_MONTH		N	NUMBER	4,0
This is the month in which the recorded volume was billed.				
* HDBS_TREE_SPECIES		N	VARCHAR2	2
A code that identifies the species of log being scaled.				
* FOREST_PRODUCT_CDE		N	VARCHAR2	2
This code identifies the type of forest product being scaled. It is blank for logs.				
* LOG_GRADE		N	CHAR	1
A code assigned to each log to indicate the overall quality, which infers a certain value.				
* BILLING_TYPE_CODE		N	VARCHAR2	2
This is a code used to differentiate between various types of billed volumes. Examples being regular harvest volume, waste volume, trespass volume, and overcut volume.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

HC_PK	Primary	Y
TIMBER_MARK		
BILLING_YEAR		
BILLING_MONTH		
HDBS_TREE_SPECIES		
FOREST_PRODUCT_CDE		
LOG_GRADE		
BILLING_TYPE_CODE		

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

Description:

Sale information relating to specific tenures, usually let via the competitive bid process. Information on planned sale and actual sale details are required for Small Business tenures.

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.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

HS_PK	Primary	Y
FOREST_FILE_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 when this code is available for use by the system.				
EXPIRY DATE		N	DATE	
The date after which the code 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 the tree species for one or more ADS HARVEST SPECIES

MAY BE species included in one or more ADS SPECIES VOLUME

* = *Relationships in primary unique identifier.*

Unique Identifiers:

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

Entity Name: HELICOPTER COST TABLE			<i>Short Name:</i>	AHCT
<i>Plural:</i>	APP_HELI_CST_TB			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The additional cost of helicopter operations that may be incurred to harvest a tree.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APP_HELI_TYPE_CODE		N	CHAR	1
A code to represent the type of helicopter logging that the associated cost represents. Valid values are 'W' (Water) 'L' (Land).				
* EFFECTIVE_DATE		N	DATE	
The date on which the helicopter costs become effective.				
HELICOPTER_COST_M3		N	NUMBER	5,2
The cost for helicopter logging per cubic metre.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated helicopter cost record has been reviewed and approved.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

AHCT_PK	<i>Primary</i>	Y
APP_HELI_TYPE_CODE		
EFFECTIVE_DATE		

Entity Name: INT ISOLATED CUTTING COST EST		Short Name:	IICE
Plural:	INT_ISLTD_C_EST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The isolated cost estimate covers the costs of moving people, equipment and supplies across non-road portions of a route to a camp. Includes various camp depreciation, maintenance and operating costs.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE_DATE		N	DATE	
The date on which the associated isolated cutting cost estimate entry becomes effective.				
* ISOLATD_CT_LOCN_CD		N	CHAR	1
A location associated with an isolated cost estimate. Isolated cutting locations are: 1. Kinbasket Lake; 2. Williston Lake; 3. All Other Lakes; 4. Niteal Rail.				
ISOLATD_CT_COST_M3		N	NUMBER	5,2
The isolated cost estimate covers the costs of moving people, equipment and supplies across non-road portions of a route to a camp. Includes various camp depreciation, maintenance and operating costs.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the interior isolated cutting cost estimate entry has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

IICE_PK	Primary	Y
EFFECTIVE_DATE		
ISOLATD_CT_LOCN_CD		

Entity Name: INT OVERHEAD AND ADMIN COST EST**Short Name:**

IOCT

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

This entity estimates costs, for an Interior mark, of general, administrative and operational overhead expressed in dollars per cubic metre. Current Administration and Other costs include: - Overhead costs; Accessible operation costs; Isolated operation costs; Remoteness costs. (Current values are described on pages 78-79 of the I. A. Manual.)

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N NUMBER	7,0
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".			
* EFFECTIVE_DATE		N DATE	
The date on which the overhead and administration record entries become effective.			
COMMITTED_IND		N CHAR	1
An indication as to whether or not the interior overhead and administration cost estimate entry has been reviewed and approved.			
GENRL_ADMIN_CST_M3		N NUMBER	5,2
Costs for related administrative and supervisory activities attributed to logging that occur at the head office, branch office, and camp or operation.			
OPERATIONAL_CST_M3		N NUMBER	5,2
The cost estimate for non-administrative overhead incurred while harvesting the timber.			
RMT_ACOM_COST_M3		N NUMBER	5,2
The additional administrative and overhead cost incurred by remote operations.			
NRMT_ACM_CST1_M3		N NUMBER	5,2
The additional cost allowance for non-remote operations that have accommodations that are less than or equal to 1.5 hours from the work site.			
NRMT_ACM_CST2_M3		N NUMBER	5,2
The additional cost allowance for non-remote operations that have accommodations that are more than 1.5 hours from the work site.			

* = Attributes in primary unique identifier.

Unique Identifiers:

IOCT_PK Primary Y

ORG_UNIT_NO

EFFECTIVE_DATE

Entity Name: INT SILVICULTURE COST ESTIMATE**Short Name:**

ICT

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

The cost estimate for each Interior Appraisal basic silviculture treatment regime and indicators showing in which region each regime applies, and local netdown factor for each Region and regime.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TREATMENT_REGIME		N	VARCHAR2	2
The grouping for areas requiring similar silviculture treatment.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated silviculture costs become effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the silviculture cost estimate entry has been reviewed and approved.				
CARIBOO_REGION_IND		N	CHAR	1
An indicator showing that this treatment regime is applicable to the Cariboo forest region.				
CAR_NTDWN_FCT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities in the Cariboo region.				
KAMLOOPS_REGN_IND		N	CHAR	1
An indicator showing that this treatment regime is applicable to the Kamloops forest region.				
KAM_NTDWN_FCT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities in the Kamloops region.				
NELSON_REGION_IND		N	CHAR	1
An indicator showing that this treatment regime is applicable to the Nelson forest region.				
NEL_NTDWN_FCT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities in the Nelson region.				
PG_REGION_IND		N	CHAR	1
An indicator showing that this treatment is applicable to the Prince George forest region.				
PG_NTDWN_FCT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities in the Prince George area.				
PR_REGION_IND		N	CHAR	1
An indicator showing that this treatment regime applies to the Prince Rupert forest region.				
PR_NTDWN_FCT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities in the Prince Rupert region.				
VANCOUVER_REGN_IND		N	CHAR	1
An indicator showing whether this treatment regime applies to the Vancouver Region.				
VAN_NTDWN_FCT_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities in the Vancouver region.				
ICE_BRIDGE_FACTOR		N	NUMBER	3,2
This factor, when multiplied by the basic silviculture cost per hectare for a treatment regime, gives the cost for treatment required in areas accessed by ice bridge.				
NC_BRUSH_FACTOR		N	NUMBER	3,2
This factor is multiplied by the basic silviculture cost for a treatment regime for areas of				

Entity Name:	INT SILVICULTURE COST ESTIMATE (cont'd)	<i>Short Name:</i>	ICT
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non-commercialbrush.

BASIC_COST_HECTARE	N	NUMBER	4,0
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The cost estimate in \$ per hectare for this treatment regime.

* = *Attributes in primary unique identifier.*

Unique Identifiers:

ICT_PK	Primary	Y
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TREATMENT_REGIME

EFFECTIVE_DATE

Entity Name: INT STABILIZING MATERIAL DEPTH		Short Name:	IST
Plural:	INT_STBDPTH_TBL		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The cost of stabilizing materials are estimated based on depth required, expressed in metres. Estimates included in this are gravel or broken rock which is placed on the road subgrade to provide stable support and a running surface for logging equipment using the road. Some stabilizing material may be developed in place during subgrade construction. Additional stabilizing material may also be required and may be obtained from a nearby source or trucked in.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD_TYPE_CODE		N	CHAR	1
The type of road for which this cost estimate is applicable. Valid values are 'M' (main) and 'O' (operational).				
* SOIL_MOIST_TYPE_CD		N	CHAR	1
A general description of the moisture content of the soil based on drainage pattern and vegetation.				
* UPHLL_SD_SLOPE_MAX		N	NUMBER	3,0
The upper percentage value of the side slope to determine the amount of stabilizing material required.				
* CONSTRUCT_CAT_CODE		N	CHAR	1
The code representing the percentage of rock for the subgrade. Values '1' thru '6' are valid.				
* EFFECTIVE_DATE		N	DATE	
The date on which the stabilizing material depth table entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the interior stabilizing material depth entry has been reviewed and approved.				
STABLZ_MATERL_DPTH		N	NUMBER	3,2
The amount of stabilizing material required in metres for the side slope.				

* = Attributes in primary unique identifier.

Unique Identifiers:

IST_PK	Primary	Y
ROAD_TYPE_CODE		
SOIL_MOIST_TYPE_CD		
UPHLL_SD_SLOPE_MAX		
CONSTRUCT_CAT_CODE		
EFFECTIVE_DATE		

Entity Name: INTAPP SALVAGE RATE			Short Name:	ISR
Plural:	INTAPP SALVAGE RATE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This entity contains the rates necessary for the Interior Specified Operations to determine pro-ration of costs by harvest method.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE DATE		N	DATE	
The date the rate goes into effect.				
RATE		N	NUMBER	5,2
The cost rate to be used in prorating for the harvest method and specified operation within the region.				
EXPIRY DATE		N	DATE	
The date the rate is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the rate was last modified				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE having harvest method identified by one and only one APPRAISAL HARVEST METHOD CODE
 - * MUST BE identified for a region of one and only one ORG UNIT
 - * MUST BE established for one and only one SPECIFIED OPERATIONS CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

ISR	Primary	Y
MUST BE established for one and only one SPECIFIED OPERATIONS CODE		
MUST BE having harvest method identified by one and only one APPRAISAL HARVEST METHOD CODE		
MUST BE identified for a region of one and only one ORG UNIT		
EFFECTIVE DATE		

Entity Name: INTERIOR APPRAISAL**Short Name:**

IA

Plural: INTERIOR APPRAISAL**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Subtype of:** APPRAISAL DATA SUBMISSION**Description:**

The INTERIOR APPRAISAL allows for the identification of additional elements that are submitted for INTERIOR appraisals that are not required or captured for COAST.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
SALVAGE IND		Y VARCHAR2	1
A yes/no indicator to identify if salvage is being used on this appraisal.			
COMPARATIVE CRUISE IND		Y VARCHAR2	1
A yes/no indicator to identify if comparative cruise values were checked for this appraisal.			
NET MERCHANTABLE AREA		Y NUMBER	7,1
Net Merchantable area (ha) from the appraisal summary report. This area must be the same area directly attributed to the appraised net merchantable volume for the cutting authority. Where the licence requires harvesting in deciduous stands the Net Merchantable Area includes the area for the deciduous volume.			
<i>12/13/2002 LAS; Resized Net Merchantable Area to 7,1</i>			
NET AREA TO REFOREST		Y NUMBER	7,1
Net area to reforest (ha) within the cutting authority area for which the licensee has free-growing obligations (ha) and has not yet received a basic silviculture cost estimate in any appraisal. The Net Area to Reforest can not be less than the Net Merchantable Area.			
REFERENCE MARK		Y VARCHAR2	6
An associated Timber Mark which is copied to create this Appraisal file.			
CULVERT APPLICABLE VOLUME		Y NUMBER	7,0
The volume of the appraisal that is applicable to the culvert development costs. Used for Interior Appraisals only.			
TAB ROAD APPLICABLE VOLUME		Y NUMBER	7,0
The volume in cubic metres of the appraisal which is applicable to the tabular road development costs. Used for Interior Appraisals only.			
DEVELOPMENT OVERRIDE LEVY		Y NUMBER	9,2
The Levy charged as an override to the Development Levy originally set.			
SILVICULTURE OVERRIDE LEVY		Y NUMBER	9,2
The levy charged to override the previously determined silviculture levy.			
FENCING DISTANCE		Y NUMBER	5,0
The distance in 100's of metres of fencing required for this APPRAISAL FILE.			
CATTLE GUARD QUANTITY		Y NUMBER	3,0
The number of cattle guards required to be built for the APPRAISAL FILE.			
PIPELINE CROSSING QUANTITY		Y NUMBER	3,0
The number of pipeline crossings required to be developed to support the logging of this APPRAISAL FILE.			
SINGLE PIPELINE CROSSINGS		Y NUMBER	3
Where the installation of primary pipeline crossings are required, the relevant cost estimates apply.			
MULTIPLE PIPELINE CROSSINGS		Y NUMBER	3
Where the installation of multiple pipeline crossings are required, the relevant prorated cost estimates apply.			
OBLIGATORY DECIDUOUS VOLUME		Y NUMBER	7,0
The volume of trees that must be of deciduous species type.			

Entity Name:	INTERIOR APPRAISAL (cont'd)	Short Name:	IA
NET CONIFEROUS VOLUME	Y NUMBER	7,0	
The volume of trees harvested that are of coniferous species type.			
CP AVG SLOPE PCT	Y NUMBER	3,0	
The average slope percentage for the cutting permit.			
MANDATORY SMALLLOG UTIL IND	Y VARCHAR2	1	
A yes/no indication of whether or not the appraisal includes small log utilization.			
MANDATORY GRADE 4 HEMLOCK IND	Y VARCHAR2	1	
A yes/no indication of whether or not the appraisal includes Grade 4 Hemlock.			
DISTANCE TO SUPPORT CENTRE	Y NUMBER	5,1	
The distance in kilometres from the point of appraisal to the support centre.			
Used in Interior Appraisals.			
TRUCK HAUL PRIMARY CYCLE TIME	Y NUMBER	4,1	
The time in hours a one-way trip will take from the centre of the timber mark to the support centre.			
Used for Interior Appraisals			
TRUCK HAUL SECONDARY CYCLE TIME	Y NUMBER	4,1	
The secondary trip time.			
Used for Interior Appraisals			
WOODLOT ROAD MANAGEMENT COST	Y NUMBER	5,2	
The cost per cubic metre of woodlot road management.			
Used for Interior Appraisals			
LAKE TOW DISTANCE	Y NUMBER	4,0	
The distance to the nearest kilometre that the logs will be towed on water.			
Used for Interior Appraisals			
DEWATER RELOAD IND	Y CHAR	1	
A yes/no indication of whether dewater and reload effort will be required.			
Used for Interior Appraisals			
BARGE FERRY IND	Y VARCHAR2	1	
A yes/no indicator indicating whether or not a barge ferry will be used in the log transportation.			
Used for Interior Appraisals			
CREW BARGE FERRY IND	Y VARCHAR2	1	
A yes/no indication of whether or not a barge ferry will be required to move the work crew.			
Used for Interior Appraisals			
FRANCOIS LAKE FERRY IND	Y VARCHAR2	1	
A yes/no indication of whether or not the Francois Lake Ferry will be used for this appraisal log transportation.			
Used for Interior Appraisals.			
TRUCK TO RAIL IND	Y VARCHAR2	1	
A yes/no indication to identify if truck to rail transportation was required for this appraisal.			
DEASE LAKE RAIL IND	Y VARCHAR2	1	
A yes/no indication of whether the BC Rail at Dease Lake was used in the log transportation. Only to be set if the Truck to Rail Ind was set to Yes.			
NO CHANGE IND	Y VARCHAR2	1	
A yes/no indicator to denote whether or not the submitter of the data (RPF) has checked the flag for the statement:			
"I certify that there have been no changes, to the data elements, specified operations, or detailed engineering methodologies, or amendments to the cutting authority since the last appraisal or reappraisal."			
Used in Interior Acknowledgements only.			
STUMPAGE RATE EXTENSION IND	Y VARCHAR2	1	

Entity Name:	INTERIOR APPRAISAL (cont'd)	<i>Short Name:</i>	IA
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A yes/no indicator denoting if the submittor (RPF) has checked the flag for the following statement:
"I certify that there are less than 2000 cubic metres of merchantable timber remaining on the cutting authority area and that no timber is expected to be harvested during the next year. I am requesting that the current stumpage rate be extended."
Used in Interior Acknowledgement only.

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE having bec one or more ADS BEC LINK
MAY BE having support location identified by one and only one APP SUPPORT CENTRE CODE
MAY BE having lake transportation identified by one and only one LAKE TRANSPORT CODE
MAY BE having transport location identified by one and only one RAIL LOCATION CODE
MAY BE having logs hauled via one and only one TRUCK HAUL METHOD CODE
MAY BE having adjustment frequency identified by one and only one WOODLOT PERIOD CODE
* = *Relationships in primary unique identifier.*

Notes:

2002/11/7 LAS: Removed Annual Allowable Cut, AAC Override as these are no longer entry fields for Interior.

2005-11-14 BM : Added Predominant and Secondary BEC Zone, Subzone and Variant attributes

2007/03/14 BM: Moved CP VOLUME PER TREE to the APPRAISAL DATA SUBMISSION entity

Entity Name: INTERIOR LOG GROUP CODE			Short Name:	ILGC
Plural:	INTERIOR LOG GROUP CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The INTERIOR LOG GROUP CODE identifies the groups of log grading that may be captured for the BCTS Appraisals in Interior.
This includes:
Sawlogs
Grades 3,4,5,6
Deciduous

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* INTERIOR LOG GROUP CODE		N	VARCHAR2	3
The unique identifier for the log grouping being applied to the BC timber sale.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the code value is available for use.				
EXPIRY DATE		N	DATE	
The date after which the code value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the code value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies levy type applied one or more ADS BCTS LEVY COST
* = Relationships in primary unique identifier.

Unique Identifiers:

LTC	Primary	Y
INTERIOR LOG GROUP CODE		

Entity Name: INTERIOR OVERHEAD COST ESTIMATE		Short Name:	IOC
Plural:	INT_OVERHD_CST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The overhead costs related to administrative and supervisory activities associated with logging and basic silviculture.
Required for Interior Appraisal Manual Amendment 10 (Section 4.1.7.1).

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE_DATE		N	DATE	
The date on which the associated overhead cost estimate entry becomes effective.				
* OVERHEAD_GRP_CD		N	CHAR	1
The code representing a group of points of appraisal associated with an overhead cost estimate for a specific effective date.				
OVERHEAD_COST_M3		N	NUMBER	5,2
The estimated cost in \$ per m3 for all office operation overhead excluding costs associated with the Forest Act, Section 88.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the overhead cost estimate entry has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

IOC_PK	Primary	Y
EFFECTIVE_DATE		
OVERHEAD_GRP_CD		

Entity Name:	INTERIOR OVERHEAD GROUP POINT			Short Name:	IOP
Plural:	INT_OVERHD_PNT				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:		

Description:

The overhead costs related to administrative and supervisory activities associated with logging and basic silviculture. The associated point of appraisal is maintained for a specific overhead effective date and group code.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE_DATE		N	DATE	
The date on which the associated overhead cost estimate entry becomes effective.				
* OVERHEAD_GRP_CD		N	CHAR	1
The code representing a group of points of appraisal associated with an overhead cost estimate for a specific effective date.				
PT_OF_APPRAISAL_ST		N	VARCHAR2	4
The geographic destination to which the overhead cost estimate applies signified by a letter code.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

IOP_PK	Primary	Y
EFFECTIVE_DATE		
OVERHEAD_GRP_CD		

Entity Name:	INTERIOR POINT OF APPRAISAL CODE			<i>Short Name:</i>	IPOA
<i>Plural:</i>	INTERIOR POINT OF APPRAISAL CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>		

Description:

The Point of Appraisal Code Subset that is used for Interior Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* POINT OF APPRAISAL CODE		N	VARCHAR2	4
The unique location point from the BC_LOCATION_CODE group that is identifies as a point of appraisal for either Interior Appraisal Methods or Coast.				
DESCRIPTION		N	VARCHAR2	120
The full name of the appraisal location.				
EFFECTIVE DATE		N	DATE	
The date this 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.				

Unique Identifiers:

IPOA	<i>Primary</i>	Y
POINT OF APPRAISAL CODE		

Entity Name: INTERIOR SILVICULTURE GROUP			<i>Short Name:</i>	ISG
<i>Plural:</i>	INT_SILV_GROUP			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Groupings of organizational units for the purposes of establishing common silviculture activities and costs.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N	NUMBER	7,0
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".				
* SILVICULTURE_GRP_ID		N	CHAR	1
Identifier for a grouping of organizational units for which similar silviculture costs apply.				
* EFFECTIVE_DATE		N	DATE	
The date on which the interior silviculture group and organizational unit association becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication to whether or not the silviculture group and organizational unit association has been reviewed and approved.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

ISG_PK	<i>Primary</i>	<i>Y</i>
ORG_UNIT_NO		
SILVICULTURE_GRP_ID		
EFFECTIVE_DATE		

Entity Name: INTERIOR SUBGRADE COST ESTIMATE**Short Name:**

ISCT

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

Cost of subgrade construction is estimated in \$ per Km. The estimate includes clearing and grubbing, stripping, stump removal, incidental log decking, ditch construction, material costs and installation of pipe culverts and single log abutment culverts.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N NUMBER	7,0
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".			
* ROAD_TYPE_CODE		N CHAR	1
The type of road for which this cost estimate is applicable. Valid values are 'M' (main) and 'O' (operational).			
* SOIL_MOIST_TYPE_CD		N CHAR	1
A general description of the moisture content of the soil based on drainage pattern and vegetation.			
* UPHLL_SD_SLOPE_MAX		N NUMBER	3,0
The upper percentage value of the side slope to determine the cost to subgrade a road.			
* CONSTRUCT_CAT_CODE		N CHAR	1
Construction category is determined on the basis of the representative rock and other materials used in the subgrade.			
* EFFECTIVE_DATE		N DATE	
The date on which the subgrade cost estimate becomes effective.			
COMMITTED_IND		N CHAR	1
An indication as to whether or not the interior subgrade cost estimate entry has been reviewed and approved.			
SUBGRADE_COST_KM		N NUMBER	5,1
The estimate cost in thousands of dollars per kilometer to add subgrade to an identified road which is required to be built.			
* = Attributes in primary unique identifier.			

Unique Identifiers:

ISCT_PK

Primary Y

ORG_UNIT_NO

ROAD_TYPE_CODE

SOIL_MOIST_TYPE_CD

UPHLL_SD_SLOPE_MAX

CONSTRUCT_CAT_CODE

EFFECTIVE_DATE

Entity Name: INTERIOR WATER TRANSPORT COST			<i>Short Name:</i>	IWCT
<i>Plural:</i>	INT_WTR_CST_TBL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Water transportation costs for dumping, booming and dewatering are related to the cost of transporting logs by water.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPINT_WTR_TRNS_CD		N	VARCHAR2	2
A code representing the type of water transportation used.				
* LAKE_TRANSPORT_ST		N	VARCHAR2	4
A code which identifies a lake to which water transportation cost estimates apply, and contribute to the appraisal costs. A subset of BC_LOCATION_CODE.				
* EFFECTIVE_DATE		N	DATE	
The date on which the water transportation cost rate becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the water transportation cost estimate entry has been reviewed and approved.				
WATER_TRNSP_CST_M3		N	NUMBER	5,2
Costs per cubic metre for the applicable water transport type.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

IWCT	<i>Primary</i>	Y
APPINT_WTR_TRNS_CD		
LAKE_TRANSPORT_ST		
EFFECTIVE_DATE		

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

Description:

An indication of if this appraisal is in a located spot or not.
For Coast, will be Yes or No,
For Interior, will be R - rail, W - Water, N - None.
May be a subset of the Operability Code list.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ISOLATION TYPE CODE		N	VARCHAR2	1
The unique code to indicate if the location of the appraisal is considered isolated or not.				
DESCRIPTION		N	VARCHAR2	120
The full description of the 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.				
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 type of isolation of one or more APPRAISAL DATA SUBMISSION
* = Relationships in primary unique identifier.

Unique Identifiers:

ITC	<i>Primary</i>	Y
ISOLATION TYPE CODE		

Entity Name: LAKE TRANSPORT CODE			Short Name:	LTC1
Plural:	LAKE TRANSPORT CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The lake transportation codes valid for use by Interior Appraisals.
Will use values from the LAKE TRANSPORT ST.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* LAKE TRANSPORT CODE		N	VARCHAR2	4
The unique code identifying the lake tranpsortation location.				
DESCRIPTION		N	VARCHAR2	120
The full description of the lake transport code.				
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 indicates lake point of one or more INTERIOR APPRAISAL
* = Relationships in primary unique identifier.

Unique Identifiers:

LTC1	Primary	Y
LAKE TRANSPORT CODE		

Entity Name: LANDING AND WROAD RECONST COST		<i>Short Name:</i>	LRT
<i>Plural:</i>	LWRD_RCNST_TBL		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

This table cotains the values for landing and winter road reconstruction.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RECONSTRCT_TYPE_CD		N	CHAR	1
A code signifying if the associated cost is for landings ('L') or winter roads ('W').				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated landing or winter road reconstruction cost becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the landing and winter road reconstruction cost entry has been reviewed and approved.				
LNDG_WRD_RCNST_CST		N	NUMBER	4,0
The cost to reconstruct a single winter road or a landing.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

LRT_PK	<i>Primary</i>	Y
<i>RECONSTRCT_TYPE_CD</i>		
<i>EFFECTIVE_DATE</i>		

Entity Name: LANDING BOULDER COST ESTIMATE		Short Name:	LBC
Plural:	LNDG_BLDR_CST_T		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The additive cost allowed for creating a landing where the percent of boulders greater than .5 m in diameter is 20% or more.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N	NUMBER	7,0
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".				
* BOULDER_PCT_MAX		N	NUMBER	3,0
The maximum percentage of boulders receiving the associated cost additive.				
* EFFECTIVE_DATE		N	DATE	
The date on which the landing boulder cost additive entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the landing boulder cost estimate entry has been reviewed and approved.				
BLDR_CST_EST_LAND		N	NUMBER	4,0
Additional cost additive during construction of a landing with associated boulder percent.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

LBC_PK	Primary	Y
ORG_UNIT_NO		
BOULDER_PCT_MAX		
EFFECTIVE_DATE		

Entity Name: LANDING COST ESTIMATE			Short Name:	LCT
Plural:	LANDNG_COST_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The cost allowed to build a landing, expressed in dollars. Landing cost is dependent on soil moisture, side slope percent and construction category.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N	NUMBER	7,0
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".				
* SOIL_MOIST_TYPE_CD		N	CHAR	1
A general description of the moisture content of the soil based on drainage pattern and vegetation.				
* UPHLL_SD_SLOPE_MAX		N	NUMBER	3,0
The upper percentage value of the side slope to determine the cost estimate per landing.				
* CONSTRUCT_CAT_CODE		N	CHAR	1
Construction category is determined on the basis of the representative rock and other materials used in the subgrade.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated landing cost estimate becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the landing cost estimate entry has been reviewed and approved.				
LANDING_COST		N	NUMBER	5,0
The cost to construct the indicated landing.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

LCT_PK	Primary	Y
ORG_UNIT_NO		
SOIL_MOIST_TYPE_CD		
UPHLL_SD_SLOPE_MAX		
CONSTRUCT_CAT_CODE		
EFFECTIVE_DATE		

Entity Name: LOGGING SYSTEM SPECIES VOLUME			<i>Short Name:</i>	LSV
<i>Plural:</i>	LOGSYS_SPC_VOL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The volume estimate by tree species for a specified logging system employed during the tree to truck phase of harvesting.

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.				
* APP_EFFECTIVE_DATE		N	DATE	
The date on which the appraisal becomes effective.				
* LOGGING_SYSTEM_CD		N	VARCHAR2	3
Identifies the logging system used to remove timber from the forest to the truck landing.				
* HARVEST_SYSTEM_ST		N	VARCHAR2	5
Identifies the system used to harvest the timber mark.				
* HDBS_TREE_SPECIES		N	VARCHAR2	2
A two letter code indicating the tree species in the stand.				
VOLUME		N	NUMBER	7,0
The volume of logs removed for a specific tree species within a logging method.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

LSV_PK	Primary	Y
TIMBER_MARK		
APP_EFFECTIVE_DATE		
LOGGING_SYSTEM_CD		
HARVEST_SYSTEM_ST		
HDBS_TREE_SPECIES		

Entity Name: LOGGING SYSTEM VOLUME AND RATES		Short Name:	LVR
Plural:	LOGSYS_VOL_RATE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Identify the logging system, volume and rate for an appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* LOGGING_SYSTEM_ST		N	VARCHAR2	3
Identifies the logging system used to remove timber from the forest to the truck landing.				
VOLUME		N	NUMBER	7,0
The volume of logs removed by a specific logging system.				
RATE		N	NUMBER	5,2
Rate per cubic meter for a logging system.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE applies to one and only one APP TREE TO TRUCK COST

* = Relationships in primary unique identifier.

Unique Identifiers:

LVR_PK	Primary	Y
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MUST BE applies to one and only one APP TREE TO TRUCK COST

LOGGING_SYSTEM_ST

Entity Name: LRF UPDATE FACTORS			Short Name:	LUT
Plural:	LRF_UPDFCTR_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The increase in lumber (expressed in FBM) recoverable from a cubic metre of timber for each species as a result of changes since the existing Lumber Recovery Factors (LRF) were established. Also includes the Combined Product Recovery (CPR) Factor. Both LRF and CPR are applied by LRF Zone, Species Type, and Effective Date.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RATE_CALC_MTHD_CD		N	VARCHAR2	3
Identifies the calculation method used to establish stumpage rates.				
* LRF_ZONE		N	NUMBER	2,0
The Lumber Recovery Factor (LRF) Zone (determined by Point of Appraisal and Effective Date) for which the LRF Update Factor and Combined Product Recovery (CPR) Factor are to be applied according to Species Type and Effective Date.				
* HDBS_TREE_SPECIES		N	VARCHAR2	2
The two character species code from HDBS used to identify the tree species.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated LRF Update Factor and Combined Product Recovery Factor become effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the LRF update factor entry has been reviewed and approved.				
LRF_UPD_FCT_FBM_M3		N	NUMBER	3,0
The additional foot board measure (FBM) recoverable from a m3 of timber as result of improvements in technology since the cost base was established in 1985.				
CPR_FACTOR		N	NUMBER	3,0
The Combined Product Recovery (CPR) Factor is used in the determination of Chip Yield (BDU/m3). This factor is applied according to Lumber Recovery Factor (LRF) Zone, Species Type, and Effective Date.				

* = Attributes in primary unique identifier.

Unique Identifiers:

LUT_PK	Primary	Y
RATE_CALC_MTHD_CD		
LRF_ZONE		
HDBS_TREE_SPECIES		
EFFECTIVE_DATE		

Entity Name:	MANDATORY UTIL SCALE GRADE CODE			Short Name:	MUSGC1
Plural:	MANDATORY UTIL SCALE GRADE CODE				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:		

Description:

The scale grade codes used for mandatory utilization of BCTS Sales

<i>Attributes:</i>					
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	
* MANDATORY UTIL SCALE GRADE CODE		N	VARCHAR2	2	
The unique code used to identify the grade codes for BCTS Mandatory Utilization.					
Includes: SL - Sawlog					
3- Grade 3					
4 - Grade 4					
5 - Grade 5					
AS - Aspen Grade					
BI - Birch Grade					
CO - Cottonwood Grade					
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.					
UPDATE TIMESTAMP		N	DATE		
The date and time the value was last modified/refreshed.					
* = Attributes in primary unique identifier.					

Relationships:

Each Occurrence Of This Entity:

MAY BE indicating grade of one or more ADS BCTS SPECIES GRADE

* = Relationships in primary unique identifier.

Unique Identifiers:

MUSGC1	Primary	Y
MANDATORY UTIL SCALE GRADE CODE		

Entity Name: MANDATORY UTIL SPECIES GROUP COI		Short Name:	MUSGC
Plural:	MANDATORY UTIL SPECIES GROUP CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Identifies the species and species groups which are deemed to be mandatory utilization for some BCTS sales.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MANDATORY UTIL SPECIES GROUP CODE		N	VARCHAR2	2
Unique code to identify which species or species group is mandatory in the BCTS Sale.				
Includes:				
CE - Cedar				
HE - Hemlock				
LO - Lodgepole Pine				
DE - Deciduous				
AO - All Others				
DESCRIPTION		N	VARCHAR2	120
The full description of the code.				
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.				
UPDATE TIMESTAMP		N	DATE	
The date and time the code was last modified/refreshed.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies species of one or more ADS BCTS MANDATORY UTILIZATION

* = Relationships in primary unique identifier.

Unique Identifiers:

MUSGC	Primary	Y
MANDATORY UTIL SPECIES GROUP CODE		

Entity Name: MANUFACTURING COST ESTIMATE		Short Name:	MCT
Plural:	MANUFACT_CST_TB		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The cost estimate to produce lumber and chips for each species within a manufacturing zone. These costs are taken from a survey of mills in the zone, and include costs from dewatering and truck loading, to loading the lumber and chips on a railcar ready for shipment to market.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MANUFACTURNG_ZONE		N	NUMBER	1,0
The manufacturing zone for which the manufacturing cost applies.				
* HDBS_TREE_SPECIES		N	VARCHAR2	2
The tree species as identified in HDBS to which the manufacturing cost applies.				
* DECAY_PCT_MAX		N	NUMBER	3,0
The maximum decay content for which the associated cost applies.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated manufacturing cost estimate becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the manufacturing cost estimate entry has been reviewed and approved.				
MANUFACT_COST_M3		N	NUMBER	5,2
The manufacturing cost per m3 for logs with the indicated maximum decay percentage.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

MCT_PK	Primary	Y
MANUFACTURNG_ZONE		
HDBS_TREE_SPECIES		
DECAY_PCT_MAX		
EFFECTIVE_DATE		

Entity Name:	MGMT UNIT TYPE CODE			<i>Short Name:</i>	MUTC
<i>Plural:</i>	MGMT UNIT TYPE CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>		

Description:

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

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MGMT UNIT TYPE CODE		N	VARCHAR2	1
The unique identifier for the management unit type.				
DESCRIPTION		N	VARCHAR2	120
The full description of the 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.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

MUTC	<i>Primary</i>	Y
<i>MGMT UNIT TYPE CODE</i>		

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
The full description of the 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 indicates mime type of one or more ECAS SUBMITTED FILE

* = Relationships in primary unique identifier.

Unique Identifiers:

MTC	Primary	Y
MIME TYPE CODE		

Entity Name: MOF USER			<i>Short Name:</i>		MU
<i>Plural:</i>		MOF USER			
<i>Init. Volume:</i>		5000	<i>Avg. Volume:</i>		
			<i>Max. Volume:</i>		10000
		<i>Annual Growth Rate:</i>			

Description:

Basic information about a user who has authority on, or access to, one of the Ministry of Forests systems.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* USER_ID		N	VARCHAR2	30
The unique identifier (logon account name) for a user accessing the ministry of forests computer environment.				
LAST_NAME		N	VARCHAR2	40
The family or last name of the user.				
FIRST_NAME		N	VARCHAR2	40
The first name of the user.				
MIDDLE_INITIAL		Y	VARCHAR2	1
The middle initial of the user.				
PHONE_NUMBER		N	VARCHAR2	10
The user's business telephone number including the area code.				
EMAIL_ADDRESS		N	VARCHAR2	128
Internet email address of the user.				
ENROLLED_BY		N	VARCHAR2	30
Process that created the account				
ENROLLED_DATE		N	DATE	
Date the account was created.				
ENROLLED_EXPIRY_DATE		Y	DATE	
The date the account expires.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MAY BE assigned to review one or more ADS ASSIGNED TO USERS
- MAY BE responsible for one or more ECAS ADMIN CLIENT
- MAY BE responsible for one or more ECAS ADMIN NOTIFICATION
- MAY BE identifying district reps for one or more ECAS AUTONOTIFY DISTRICT USER
- MAY BE customizes one or more ECAS USER PREFERENCES
- MAY BE doing work for one and only one RPF LICENSEE REP

* = Relationships in primary unique identifier.

Unique Identifiers:

MU	Primary	Y
USER_ID		

Entity Name: MOF USER ORG DEFAULT			Short Name:	MUOD
Plural:	MOF USER ORG DEFAULTS			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Identifies a MOF user's default org unit for a given MOF application.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
APPLICATION ACRONYM		N	VARCHAR2	30
Acronym of a MOF application.				
USER ID		N	VARCHAR2	30
The unique identifier (logon account name) for a user accessing the ministry of forests computer environment.				
ORG UNIT NO		N	NUMBER	10
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".				
REVISION COUNT		N	NUMBER	5
The number of times this entry has been modified.				
ENTRY USERID		N	VARCHAR2	30
The userid of the resource who initially created a record.				
ENTRY TIMESTAMP		N	DATE	
The date and time the record was first created.				
UPDATE USERID		N	VARCHAR2	30
The userid of the resource who did the last modification.				
UPDATE TIMESTAMP		N	DATE	
The date and time the record was last modified.				
* = <i>Attributes in primary unique identifier.</i>				

Notes:

Added 2003/08/13 - jstorey

Entity Name: ORG MGMT UNIT			<i>Short Name:</i>	OMU
<i>Plural:</i>	ORG MGMT UNIT			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A list of valid management units and types within a given org unit.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG MGMT UNIT NO		N	NUMBER	10,0
Unique id of an entry in the Org Mgmt Unit entity.				
ORG UNIT NO		N	NUMBER	10,0
Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".				
SPR_MGMT_UNIT_TYPE_CODE		N	VARCHAR2	1
A subset of the administrative management unit as defined by the ministry for managing the forest land, eg. TSA. This subset applies for Seedling Requests.				
MGMT UNIT ID		Y	VARCHAR2	4
The number that is assigned to a specific administrative management unit.				
REVISION COUNT		N	NUMBER	5,0
The number of times this entry has been modified.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

OMU	<i>Primary</i>	Y
ORG MGMT UNIT NO		

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	CHAR	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 numer 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.				

Entity Name:	ORG UNIT (cont'd)	<i>Short Name:</i>	OU
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- EXPIRY DATE

N DATE

The date the Organizational Unit is Obsoleted and is no longer an active Org Unit within the ministrys organizational structure. At the determination of Human Resources Branch, an expired Org Unit may be retained for historical purposed, or may be deleted.
- UPDATE TIMESTAMP

Y DATE

The date and time of the last modification.
- * = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE identifying district of one or more ADS ASSIGNED TO USERS
- MAY BE receiving administrative district submission for one or more APPRAISAL DATA SUBMISSION
- MAY BE administered by one or more ECAS ADMIN NOTIFICATION
- MAY BE identifying district of one or more ECAS AUTONOTIFY DISTRICT USER
- MAY BE office for one or more FOREST USER
- MAY BE indicates region for one or more INTAPP SALVAGE RATE
- MAY BE controlling one or more ORG UNIT
- MUST BE a division of one and only one ORG UNIT
- MAY BE indicates the forest district of one or more POINT APPRAISAL LOG DUMP XREF
- * = Relationships in primary unique identifier.

Unique Identifiers:

- OU_PK

Primary

Y
- ORG UNIT NO

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

Description:
The printer to be used by the org unit for an application.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N	NUMBER	7,0
Unique identifier for an organizational unit within the Ministry of Forests.				
* SYSTEM		N	VARCHAR2	3
System abbreviated name.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

OSPU_PK	<i>Primary</i>	Y
ORG_UNIT_NO		
SYSTEM		

Entity Name: OTHER DEVELOPMENT TYPE CODE			<i>Short Name:</i>	ODTC
<i>Plural:</i> OTHER DEVELOPMENT TYPE CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The type of other development being conducted for this Appraisal file.

Types identified in INTERIOR:

Allocated

Engineered

BCTS Allocated

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OTHER DEVELOPMENT TYPE CODE		N	VARCHAR2	1
The unique code used to identify the type of other development being conducted for this Interior Appraisal.				
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.				
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 development type of one or more ADS OTHER DEVELOPMENT COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ODTC	<i>Primary</i>	Y
OTHER DEVELOPMENT TYPE CODE		

Entity Name: OTHER TRANSPORT COST			<i>Short Name:</i>	OTCT
<i>Plural:</i>	OTHR_TR_CST_TBL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Est. for routine road (transportation) maintenance for remote & non-remote operations. Mtce. covers all work required to keep the roads & bridges in operable condition for use by logging related equipment based on the forest district the mark is in.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST_DISTRICT		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".				
* EFFECTIVE_DATE		N	DATE	
The date on which the routine maintenance cost becomes effective.				
* REMOTENESS_IND		N	CHAR	1
A flag to indicate if this is a remote operation.				
ROUTINE_MTCE_COST		N	NUMBER	5,2
The cost estimate for all work required to keep roads and bridges in operable conditions for use by logging related equipment.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated other transportation cost record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

OTCT_PK	<i>Primary</i>	<i>Y</i>
FOREST_DISTRICT		
EFFECTIVE_DATE		
REMTENESS_IND		

Entity Name: OVERHEAD AND ADMIN COST ESTIMAT			Short Name:	OACT
Plural:	OV_ADM_COST_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Estimated cost of general, administrative and operational overhead expressed on a dollar per cubic metre basis for an appraisal. Current administration and other costs include: overhead costs; accessible, isolated and remote operation costs.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_OVRHD_CD		N	VARCHAR2	4
A code describing the type of administrative cost to apply. Valid values are 'ACC' = Accommodation, 'ISOP' = Isolated Operation, 'OVR' = Overhead, 'AOP' = Accessible Operation and 'REM' = Remote Operation.				
* REMOTENESS_IND		N	VARCHAR2	1
Indicates whether the cutting authority area is connected by a road suitable for crew buses, to the centre of the nearest community. The nearest community must be a city, district municipality, town or village and must have retail food and gasoline services located nearby.				
* EFFECTIVE_DATE		N	DATE	
The date on which the overhead cost becomes effective.				
OVERHEAD_COST		N	NUMBER	5,2
An estimate of the overhead administrative costs.				
COMMITTED_IND		N	VARCHAR2	1
An indication as to whether or not the associated overhead and admin cost record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

OACT_PK	Primary	Y
APPRAISAL_OVRHD_CD		
REMTENESS_IND		
EFFECTIVE_DATE		

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

Description:

Description of the legal area cleared by the Ministry (that is, no other claims for the land exist), for harvesting, haycutting or recreation purposes. This corresponds to the outlined areas on the Exhibit 'A' maps.

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.				
* CUTTING_PERMIT_ID		N	VARCHAR2	3
Identifier for a cutting permit associated with a quota type harvesting tenure.				
* PERMIT_BLOCK_ID		N	VARCHAR2	4
Identifier for defining the outlined area on a map for the cutting permit.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

PB_PK	<i>Primary</i>	Y
FOREST_FILE_ID		
CUTTING_PERMIT_ID		
PERMIT_BLOCK_ID		

Entity Name:	POINT APPRAISAL LOG DUMP XREF	Short Name:	PALDX
Plural:	POINT APPRAISAL LOG DUMP XREF		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Cross-reference table used to identify the point of appraisal and forest district for a given log dump location.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

- Relationships:**
- Each Occurrence Of This Entity:
- * MUST BE appraisal log dump indentified by one and only one APPRAISAL LOG DUMP LOCN CODE
 - * MUST BE coast point of appraisal indentified by one and only one COAST POINT OF APPRAISAL CODE
 - * MUST BE forest district identified by one and only one ORG UNIT
- * = Relationships in primary unique identifier.

Unique Identifiers:

CALDX	Primary	Y
MUST BE appraisal log dump indentified by one and only one APPRAISAL LOG DUMP LOCN CODE		
MUST BE coast point of appraisal indentified by one and only one COAST POINT OF APPRAISAL CODE		
MUST BE forest district identified by one and only one ORG UNIT		

Notes:

Created by jstorey 25/07/2005.
2005-10-27 B.Macpherson - Added relationship to ORG_UNIT

Entity Name: POINT OF APPRAISAL*Short Name:*

POA

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

The Point of Appraisal for a Timber Mark is usually the closest Point of Appraisal. This table identifies the Manufacturing Zone, Species Selling Price Zone, and Lumber Recovery Factor (LRF) Zone associated with each Point of Appraisal. This table also identifies the Forest Regions for which each Point of Appraisal is valid.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PT_OF_APPRAISAL_ST		N	VARCHAR2	4
The Point of Appraisal code is the unique identifier for the Point of Appraisal. This code is a subset of the BC Location Code in code list.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated point of appraisal table entry become effective.				
COMMITTED_IND		N	CHAR	1
COMMITTED_IND				
MANUFACTURNG_ZONE		N	NUMBER	2,0
This is the manufacturing zone applicable for this point of appraisal.				
SPP_LUM_SELPRIC_ZN		N	NUMBER	2,0
The lumber selling price zone which is assigned according to Point of Appraisal and Effective Date.				
CARIBOO_REGION_IND		N	VARCHAR2	1
Indicates when set to "Y" that this point of appraisal is valid for the Cariboo Region.				
KAMLOOPS_REGN_IND		N	VARCHAR2	1
Indicates when set to "Y" that this point of appraisal is valid for the Kamloops Region.				
LRF_ZONE		N	NUMBER	2,0
The Lumber Recovery Factor (LRF) Zone which is assigned according to Point of Appraisal and Effective Date.				
NELSON_REGION_IND		N	VARCHAR2	1
Indicates when set to "Y" that this point of appraisal is valid for the Nelson Region.				
PG_REGION_IND		N	VARCHAR2	1
Indicates when set to "Y" that this point of appraisal is valid for the Prince George Region.				
PR_REGION_IND		N	VARCHAR2	1
Indicates when set to "Y" that this point of appraisal is valid for the Prince Rupert Region.				
VANCOUVER_REGN_IND		N	VARCHAR2	1
Indicates when set to "Y" that this point of appraisal is valid for the Vancouver Region.				
* = Attributes in primary unique identifier.				

Unique Identifiers:POA_PK *Primary* Y

PT_OF_APPRAISAL_ST

EFFECTIVE_DATE

Entity Name: POINT OF APPRAISAL CODE		Short Name:	POAC
Plural:	POINT OF APPRAISAL CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The locations within the Province that are identified as appraisal points.
Will be created through the use of the PT_OF_APPRAISAL_ST subsets from the CODE_LIST_TABLE.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* POINT OF APPRAISAL CODE		N	VARCHAR2	4
The unique location point from the BC_LOCATION_CODE group that is identifies as a point of appraisal for either Interior Appraisal Methods or Coast.				
DESCRIPTION		N	VARCHAR2	120
The full name of the appraisal location.				
EFFECTIVE DATE		N	DATE	
The date this 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 appraisal location of one or more APPRAISAL DATA SUBMISSION
MUST BE appraisal method typed by one and only one APPRAISAL METHOD CODE
MAY BE point of appraisal type for one or more APPRAISAL SELL PRICE ZONE XREF
* = Relationships in primary unique identifier.

Unique Identifiers:

POAC	Primary	Y
POINT OF APPRAISAL CODE		

Entity Name: POINT OF ORIGIN CODE			<i>Short Name:</i>	POOC
<i>Plural:</i>	POINT OF ORIGIN CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The BC Locations that are considered to be Coast Appraisal Points of Origin.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* POINT OF ORIGIN CODE		N	VARCHAR2	4
The unique identifier from the BC_LOCATIONS code list.				
DESCRIPTION		N	VARCHAR2	120
The full name of the point of origin.				
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.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

POOC	<i>Primary</i>	<i>Y</i>
POINT OF ORIGIN CODE		

Entity Name: POST HARVEST TREATMENT COST TBL			Short Name:	PHTT
Plural:	PST_HARV_TRT_TB			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Post harvesting treatment costs are incurred by a mark as specified in their cutting authority.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N	NUMBER	7,0
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".				
* POST_LOG_TRTMT_CD		N	VARCHAR2	2
The code identifying the post logging treatment.				
* EFFECTIVE_DATE		N	DATE	
The date on which the post harvest treatment costs become effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the post logging treatment cost estimate entry has been reviewed and approved.				
P_LG_TRTMT_CST_M3		N	NUMBER	3,2
The cost of each post logging treatment expressed in \$ per m3.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

PHTT_PK	Primary	Y
ORG_UNIT_NO		
POST_LOG_TRTMT_CD		
EFFECTIVE_DATE		

EFFECTIVE_DATE
SILV_SYSTEM_CODE
POST_LOG_TRTMT_CD
ORG_UNIT_NO
APP_SPP_GROUPCODE
APP_SPP_TYPECODE

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>
REVISION COUNT		N	NUMBER	5
The number of times this entry has been modified.				
ENTRY USERID		N	VARCHAR2	30
The userid of the resource who initially created a record.				
ENTRY TIMESTAMP		N	DATE	
The date and time the record was first created.				
UPDATE USERID		N	VARCHAR2	30
The userid of the resource who did the last modification.				
UPDATE TIMESTAMP		N	DATE	
The date and time the record was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

* MUST BE identifying permitted cutblocks one and only one CUT BLOCK

MUST BE identifies authorized marks for one and only one TIMBER MARK

* = Relationships in primary unique identifier.

Unique Identifiers:

PAB	<i>Primary</i>	Y
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MUST BE identifying permitted cutblocks one and only one CUT BLOCK

Entity Name: PROV FOREST USE

Short Name:

PFU

Plural: PROV FOREST USE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

Description:

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

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.				
FILE STATUS ST		Y	VARCHAR2	3
The current status of the forest land use, e.g. Pending - Planned, Harvesting - Suspended, Active. This is a subset of timber status code.				
FILE STATUS DATE		Y	DATE	
The date on which the current forest land use status was set.				
FOREST REGION		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".				
MGMT UNIT TYPE		Y	VARCHAR2	1
The administrative management unit as defined by the ministry for managing the forest land, eg. TSA.				
MGMT UNIT ID		Y	VARCHAR2	4
The number that is assigned to a specific administrative management unit.				
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.				
DISTRICT ADMIN ZONE		Y	VARCHAR2	4
District Admin Zone is a free format field used internally by the districts to group files within a district for reporting purposes. Examples of use are setting the field to a geographic area or to a persons initials. Reports can be pulled off by District Admin Zone to aid work management. This field is not used by all districts.				
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.				
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.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

Entity Name:	PROV FOREST USE (cont'd)	<i>Short Name:</i>	PFU
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MAY BE having file type identified by one and only one FILE TYPE CODE

MAY BE associated to one or more FOR CLIENT LINK

MAY BE consisting of one or more TIMBER MARK

* = *Relationships in primary unique identifier.*

Unique Identifiers:

PFU_PK	Primary	Y
FOREST FILE ID		

Entity Name: RAIL LOCATION CODE		Short Name:	RLC
Plural:	RAIL LOCATION CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The valid rail locations that an interior appraisal can have logs transported to.
This will be a subset of the values in the SPCL_TRNSP_TYPE_CD.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RAIL LOCATION CODE		N	VARCHAR2	4
The unique code for the rail transportation locations.				
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 indicating rail transport location of one or more INTERIOR APPRAISAL

* = Relationships in primary unique identifier.

Unique Identifiers:

RLC	Primary	Y
RAIL LOCATION CODE		

RATC	Primary	Y
RATE ADJUSTMENT TYPE CODE		

Entity Name: RATE CALC METHOD CODE		<i>Short Name:</i>	RCMC
<i>Plural:</i>	RATE CALC METHOD CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Identifies the calculation method used to establish stumpage rates.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RATE CALC METHOD CODE		N	VARCHAR2	3
Unique identification to classify the method used in calculating stumpage rate for the Appraisal Data Submission.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date that the code value becomes available for use.				
EXPIRY DATE		N	DATE	
The date after which the code 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 method of rate calculation one or more APPRAISAL DATA SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

RCMC	<i>Primary</i>	Y
RATE CALC METHOD CODE		

Entity Name: ROAD DEVELOPMENT TYPE CODE			<i>Short Name:</i>	RDTC
<i>Plural:</i>	ROAD DEVELOPMENT TYPE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Indicates the type of bridge development being undertaken.
Values: R - Reconstruction
N - New

Attributes:						
	<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	
*	ROAD DEVELOPMENT TYPE CODE		N	VARCHAR2		1
	The unique code to indicate the type of development taking place. Either RR or N					
	DESCRIPTION		N	VARCHAR2		120
	The full description of the development type code.					
	EFFECTIVE DATE		N	DATE		
	The date this code is available for use.					
	EXPIRY DATE		N	DATE		
	The date the code is no longer available for use.					
	UPDATE TIMESTAMP		N	DATE		
	Date and time the value was last modified.					
	* = Attributes in primary unique identifier.					

Relationships:

Each Occurrence Of This Entity:

MAY BE indicating type of development for one or more ADS BRIDGE
MAY BE identifying type of development for one or more ADS DETAILED ENGINEERING COST
* = *Relationships in primary unique identifier.*

Unique Identifiers:

DTC	<i>Primary</i>	Y
ROAD DEVELOPMENT TYPE CODE		

Entity Name: ROAD ENGINEERING PROJECT TYPE CO]		Short Name:	REPTC
Plural:	ROAD ENGINEERING PROJECT TYPE CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The ENGINEERING PROJECT TYPE of the ADS ENGINEERING SECTION COST.
Examples:
EH - End haul of any type
KF - keyed in fills
SF - stored fills
F - fords
LF - large fills

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD ENGINEERING PROJECT TYPE CODE		N	VARCHAR2	3
The unique identifier of the type of project being conducted for that section.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date on which 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 indicates type of project for one or more ADS ENGINEERING SECTION COST
MAY BE contributing to one or more SUBGRADE FACTOR
* = Relationships in primary unique identifier.

Unique Identifiers:

CTC1	Primary	Y
ROAD ENGINEERING PROJECT TYPE CODE		

Entity Name: ROAD ENGINEERING TYPE CODE			Short Name:	RETC
Plural:	ROAD ENGINEERING TYPE CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

A code list used to identify the type of engineering activity that section costs are being captured for.
Will be used in Coast Appraisals for ADS Engineering Section Cost

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD ENGINEERING TYPE CODE		N	VARCHAR2	2
The unique code used to identify the engineering activity being detailed by section. Examples: RR - Road Reconstruction EH - End Haul				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date the code is available for use.				
EXPIRY DATE		N	DATE	
The date after which the code is no longer available.				
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 type of engineering activity of one or more ADS ENGINEERING SECTION COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ETC	Primary	Y
ROAD ENGINEERING TYPE CODE		

Entity Name: ROAD GROUP CODE			<i>Short Name:</i>	RGC
<i>Plural:</i> ROAD GROUP CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The classification of road structures into groups.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD GROUP CODE		N	VARCHAR2	2
The unique code idetifier for the road groups within the province.				
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 may consist of one or more ADS ROAD

* = Relationships in primary unique identifier.

Unique Identifiers:

RGC	Primary	Y
ROAD GROUP CODE		

Entity Name: ROCK MASS CLASS CODE			Short Name:	RMCC
Plural:	ROCK MASS CLASS CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The codes and descriptions available to classify the type of ROCK MASS being used in the TABULAR ROAD.

Example values:
H - Hard
S - Soft

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROCK MASS CLASS CODE		N	VARCHAR2	1
A unique code identifying the Rock Mass Type.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date on which the code is available for use.				
EXPIRY DATE		N	DATE	
The date after which the code is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time on which the value was last modified.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies stabilizing rmc one or more ADS TABULAR ROAD SECTION

MAY BE identifying subgrade rmc of one or more ADS TABULAR ROAD SECTION

* = Relationships in primary unique identifier.

Unique Identifiers:

RMCC	Primary	Y
ROCK MASS CLASS CODE		

Entity Name: ROUTINE ROAD MTCE COST EST			Short Name:	RRMT
Plural:	RTN_RD_MTC_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Routine maintenance includes grading, spot gravelling, bridge and culvert repairs and all road charges except those specifically listed in sec. 4.1.6. See p. 74-75 of the I.A. manual.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MGMT_UNIT_XREF		N	CHAR	1
Indicates whether the management unit is combination of TSA and TSB, or a Tree Farm Licence number.				
* MANAGEMENT_UNIT_ID		N	VARCHAR2	3
Either a combination of TSA (2 characters) and TSB (1 character), or a Tree Farm Licence number (up to 3 characters).				
* EFFECTIVE_DATE		N	DATE	
The date on which the routine road maintenance cost entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the routine road maintenance cost estimate entry has been reviewed and approved.				
RTN_MNTNCE_COST_M3		N	NUMBER	5,2
The cost estimate for all work required to keep roads and bridges in operable condition for use by logging related equipment.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

RRMT_PK	Primary	Y
MGMT_UNIT_XREF		
MANAGEMENT_UNIT_ID		
EFFECTIVE_DATE		

Entity Name: RPF LICENSEE REP**Short Name:**

RLR

Plural: RPF LICENSEE REP**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Contains the information about the client for whom the RPF/Licensee Representative does work for.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
MEMBER NUMBER		Y	VARCHAR2	5
The unique Registered Professional Forester or Registered Forest Technician number assigned to an individual upon completion of the proscribed training.				
FAX NUMBER		Y	NUMBER	10
The Fax number at which this user can be reached.				
REP ACTIVE IND		N	VARCHAR2	1
A yes/no indicator used to identify if the Representative is actively working for this client location.				
RPF IND		N	VARCHAR2	1
A yes/no indication of if this resource is a Registered Professional Forester.				
RFT_IND		N	VARCHAR2	1
A yes/no indication of if this resource is a Registered Forest Technician.				
REVISION COUNT		N	NUMBER	5,0
The number of times the entry has been revised.				
Used by the web pages to determine if the information has been modified since last retrieved.				
ENTRY USERID		N	VARCHAR2	30
The userid of the resource who entered the original information.				
ENTRY TIMESTAMP		N	DATE	
The date and time the record was created.				
UPDATE USERID		N	VARCHAR2	30
The userid of the resource who last modified the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time the information was last modified.				
* = Attributes in primary unique identifier.				

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

MAY BE location preference defined by one and only one APPRAISAL METHOD CODE

* MUST BE doing work for one and only one CLIENT LOCATION

* MUST BE identified for one and only one MOF USER

* = Relationships in primary unique identifier.

Unique Identifiers:

RLR

Primary Y

MUST BE doing work for one and only one CLIENT LOCATION

MUST BE identified for one and only one MOF USER

Notes:

2002/12/03 LAS: Added attribute to identify if the user is the administrator for the client.

2004/09/02 jstorey: Dropped attribute CLIENT ADMINISTRATOR IND

Entity Name: SAR NOTICE MESSAGE			<i>Short Name:</i>	SNM
<i>Plural:</i>	SAR_NOTICE_MSG			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

This entity contains any additional text that is to be printed on the stumpage adjustment notices that are generated out of the Stumpage Adjustment and Reporting (SAR) process.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
A one character code representing the appraisal method that this company entry applies to. Valid values are 'I' (Interior) and 'C' (Coast).				
* EFFECTIVE_ONLY_DTE		N	DATE	
The stumpage adjustment date for which the associated message is applicable. Note that this message is effective only for the specified date.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated notice message has been reviewed and approved.				
MSG_TEXT_LINE1		N	VARCHAR2	70
The 1st line of text for the stumpage adjustment notice message.				
MSG_TEXT_LINE2		N	VARCHAR2	70
The 2nd line of text for the stumpage adjustment notice message.				
MSG_TEXT_LINE3		N	VARCHAR2	70
The 3rd line of text for the stumpage adjustment notice message.				
MSG_TEXT_LINE4		N	VARCHAR2	70
The 4th line of text for the stumpage adjustment notice message.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SNM_PK	Primary	Y
APPRAISAL_MTHD_CD		
EFFECTIVE_ONLY_DTE		

Entity Name: SB_CLIENT		<i>Short Name:</i> SC1	
<i>Plural:</i>	SB_CLIENT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:
Extension on Ministry's client information pertaining to Small Business registration.

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.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SC1_PK	<i>Primary</i>	Y
CLIENT_NUMBER		

Entity Name: SCALE GRADE CODE			<i>Short Name:</i>	SGC
<i>Plural:</i>	SCALE GRADE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The log grade classification used to identify the quality of the logs and lumber being harvested.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SCALE GRADE CODE		N	VARCHAR2	1
The unique code used to identify the grade of logs being harvested.				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value				
EFFECTIVE DATE		N	DATE	
The date the value becomes 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 providing classification of one or more ADS SPECIES GRADE

* = Relationships in primary unique identifier.

Unique Identifiers:

GTC	Primary	Y
SCALE GRADE CODE		

Entity Name: SILVICULTURE COST ESTIMATE			<i>Short Name:</i>	AST
<i>Plural:</i>	APP_SILVCST_TBL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Contains the basic silviculture costs associated with a district. Basic silviculture cost estimates are made for all cutting authorities where basic silviculture is required and for the Small Business Forest Enterprise Program.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST_DISTRICT		N	NUMBER	7,0
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".				
* EFFECTIVE_DATE		N	DATE	
The date on which the silviculture cost becomes effective.				
SILVICULTURE_COST		N	NUMBER	7,2
The cost of the work required to re-establish the harvested forest.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated silviculture cost record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

AST_PK	Primary	Y
FOREST_DISTRICT		
EFFECTIVE_DATE		

Entity Name: SILVICULTURE GROUP TREATMENT CS		Short Name:	SGT
Plural:	SILV_GRP_TRTCST		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

For a given silviculture group and treatment regime, this entity lists default silviculture factors and costs.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SILVICLTURE_GRP_ID		N	CHAR	1
A grouping of organizational units for which similar silviculture costs apply.				
* TREATMENT_REGIME		N	VARCHAR2	2
The grouping for areas requiring similar silviculture treatment.				
* EFFECTIVE_DATE		N	DATE	
The date on which the silviculture group treatment cost becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the silviculture cost estimate entry has been reviewed and approved.				
BASIC_COST_HECTARE		N	NUMBER	4,0
The cost estimate in \$ per hectare for this treatment regime.				
NC_BRUSH_FACTOR		N	NUMBER	3,2
This factor is multiplied by the basic silviculture cost for a treatment regime for areas of non-commercialbrush.				
NETDWN_FACTOR_PCT		N	NUMBER	7,4
A factor for reducing total area requiring silviculture as a result of logging activities.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SGT_PK	Primary	Y
SILVICLTURE_GRP_ID		
TREATMENT_REGIME		
EFFECTIVE_DATE		

Entity Name: SKYLINE YARDING			<i>Short Name:</i>	SY
<i>Plural:</i>	SKYLINE YARDING			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HARVEST SYSTEM ST		N	VARCHAR2	5
SKYLINE YARD VOL		N	NUMBER	4
INTERIOR BGC ST		N	VARCHAR2	4
VOLUME PER TREE M3		N	NUMBER	3,0
VOLUME PER HECTARE		N	NUMBER	9,0
HVY FIRE DMG PCT		N	NUMBER	3,0
DEAD USELS SNG PCT		N	NUMBER	3,0
STAND DEFECT PCT		N	NUMBER	3,0
AVG SIDE SLOPE PCT		N	NUMBER	3,0
BLOWDOWN PERCENT		N	NUMBER	3,0
HARVEST PCT		N	NUMBER	3,0
SKYLINE YARD DIST		N	NUMBER	3,0

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

* = Relationships in primary unique identifier.

Unique Identifiers:

SY	Primary	Y
MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST		
HARVEST SYSTEM ST		

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

Description:

The condition of the soil used for the Tabular Road construction.
May be Wet or Dry.
Subset of SOIL_MOIST_TYPE_CD code list.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SOIL MOISTURE CODE		N	VARCHAR2	1
The unique code used to identify the moisture condition of the soil used for the tabular road.				
DESCRIPTION		N	VARCHAR2	120
The full description of the soil moisture 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 indicating moisture content of one or more ADS TABULAR ROAD SECTION

* = Relationships in primary unique identifier.

Unique Identifiers:

SMC	Primary	Y
SOIL MOISTURE CODE		

Entity Name:	SPECIAL TRANSPORTATION COST EST		Short Name:	STCT
Plural:	SPCL_TR_CST_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Special Transportation is recognized where terrain conditions dictate. These special forms of transportation are railway transportation, truck to truck transfer, barge or ferry used for truck haul, and some location-specific transportation methods.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SPCL_TRNSP_TYPE_CD		N	VARCHAR2	3
The transport type associated with this special transport cost.				
* EFFECTIVE_DATE		N	DATE	
The date on which the special transportation rate becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the special transportation cost estimate entry has been reviewed and approved.				
SPCL_TRNSP_DESCR		N	VARCHAR2	20
The description for this special transportation type and cost.				
SPCL_TRNSP_COST_M3		N	NUMBER	5,2
A per cubic metre cost addition for special transportation situations.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

STCT_PK	Primary	Y
SPCL_TRNSP_TYPE_CD		
EFFECTIVE_DATE		

Entity Name: SPECIES CHIP YIELD FACTORS			Short Name:	SCYF
Plural:	SPP_CHP_YLD_FCT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Factors by species of the number of bone dry units of chips that can be recovered from a board foot of lumber.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* HDBS_TREE_SPECIES		N	VARCHAR2	2
The two character species code from HDBS used to identify a tree species.				
* CHIP_GROUP		N	VARCHAR2	2
Chip selling prices are separated into two groups based on species (whitewood and other, i.e. cedar).				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated chip yield factor entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the species chip yield factor entry has been reviewed and approved.				
CHPYLD_FCT_BDU_FBM		N	NUMBER	7,0
The number of Bone Dry Units (BDU) that can be recovered from a FBM of timber of a particular species.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SCYF_PK	Primary	Y
HDBS_TREE_SPECIES		
CHIP_GROUP		
EFFECTIVE_DATE		

Entity Name: SPECIES GRADE SELLING PRICE			Short Name:	SGPT
Plural:	SPP_GRD_PRC_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The individual grade prices associated with each species and selling price zone. The selling price estimates are based upon a schedule of log market values collected and published by Revenue Branch.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SPP_SELL_PRIC_ZONE		N	NUMBER	5
The selling price zone that the harvested species is in.				
* RATE_CALC_MTHD_CD		N	VARCHAR2	3
Identifies the calculation method used to establish stumpage rates.				
* HDBS_SPP_PRD_GRADE		N	VARCHAR2	5
A five character code. Two characters stand for the tree species in a volume. Another two characters stand for the product to be made and the last character stands for the quality of the species found within a given volume.				
* EFFECTIVE_DATE		N	DATE	
The date on which the selling price becomes effective.				
SELLING_PRICE_M3		N	NUMBER	6,2
The selling price per cubic metre for a grade of a species..				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated species / grade price record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SGPT_PK	Primary	Y
SPP_SELL_PRIC_ZONE		
RATE_CALC_MTHD_CD		
HDBS_SPP_PRD_GRADE		
EFFECTIVE_DATE		

Entity Name: SPECIES PRODUCT SAWLOG FACTORS			Short Name:	ASLF
Plural:	AP_SPP_LGSL_FCT			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The Low Grade Sawlog factors and Rate for each Species Product Grade Combination which are applied within the MVI Calculation and Base Rate Processes respectively.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
A one character code representing the appraisal method that this company entry applies to. Valid values are 'I' (Interior) and 'C' (Coast).				
* HDBS_SPP_PRD_GRADE		N	VARCHAR2	5
A five character code. Two characters stand for the tree species in a volume. Another two characters stand for the product to be made and the last character stands for the quality of the species found within a given volume.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated species low grade sawlog factor entry becomes effective. Please note that, for all intents and puropses, this date should correspond to a stumpage rate effective date.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated low grade saw log factor entry has been reviewed and approved.				
LOGRADE_SAWLOG_FCR		N	CHAR	3
The factor applicable for low grade saw logs applied according to Appraisal Method, Species Product Grade and Effective Date.				
LOGRADE_SAWLOG_RT		N	CHAR	5
Rate to be applied within Base Rate Calculation according to Species Product Grade and Appraisal Method.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

ASLF_PK	Primary	Y
APPRAISAL_MTHD_CD		
HDBS_SPP_PRD_GRADE		
EFFECTIVE_DATE		

Entity Name: SPECIES SHIP AND CHIP VALUES			<i>Short Name:</i>	SCT
<i>Plural:</i>	SPP_CHIPPRC_TBL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

This entity represents the selling price (per bone dry unit) of chips per point of appraisal, and the shipping differential in \$ per m3 at this point of appraisal.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PT_OF_APPRAISAL_ST		N	VARCHAR2	4
The point of appraisal that will produce the least total cost estimate (usually nearest the mark).				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the species shipping differential and chip value entry has been reviewed and approved.				
* INT_CHIP_ZONE_IND		N	CHAR	1
Indicates whether the standard point of appraisal chip prices are used, or an override set of values. An integrated chip zone has an integrated mill which utilizes chips.				
* EFFECTIVE_DATE		Y	DATE	
The date on which the selling price and shipping differential entry becomes effective.				
SHIP_DIFF_COST_M3		N	NUMBER	5,2
The additional cost of shipping from the point of appraisal, expressed in \$ per M3.				
WW_SEL_PRC_PER_BDU		N	NUMBER	3,0
The selling price of whitewood classed chips, expressed in \$ per BDU (Bone Dry Unit).				
CE_SEL_PRC_PER_BDU		N	NUMBER	3,0
The selling price of Cedar classed chips, expressed in \$ per BDU (Bone Dry Unit).				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SCT_PK	Primary	Y
PT_OF_APPRAISAL_ST		
INT_CHIP_ZONE_IND		
EFFECTIVE_DATE		

Entity Name: SPECIFIED OPERATIONS CODE			Short Name:	SOC1
Plural:	SPECIFIED OPERATIONS CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The SPECIFIED OPERATIONS entity contains the codes and descriptions of all the specified operations available for use in the costing of the appraisal.

The SPECIFIED OPERATIONS are typed by SPEC OPS TYPE CODE.

These include:

- A-frame Logging
- Blowdown Timber
- Partial Harvesting
- Skyline Logging
- Tree Crown Modification
- Lake Transportation
- Skidder Swinging
- Towing to Tie-up Grounds
- Camp Moves
- Single Stem (helicopter)
- Root Disease

Attributes:				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SPECIFIED OPERATIONS CODE		N	VARCHAR2	3
The unique code for a specified operation activity.				
DESCRIPTION		N	VARCHAR2	120
The full description of the specified operation activity. example: A-frame logging.				
EFFECTIVE DATE		N	DATE	
The date on which this code becomes available for use.				
EXPIRY DATE		N	DATE	
The date after which the code 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 operation for one or more ADS SPECIFIED OPERATION

MAY BE having cost prorated by one or more INTAPP SALVAGE RATE

MAY BE operation action identified by one or more SPECIFIED OPERATIONS XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

SOC1	Primary	Y
SPECIFIED OPERATIONS CODE		

2002/12/18 LAS: Corrected name of primary key attribute to match entity name.

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

Description:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
UPDATE USERID		N	VARCHAR2	80
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE identified for a specific one and only one APPRAISAL METHOD CODE
 - * MUST BE identifies operation action one and only one SPECIFIED OPERATIONS CODE
 - * MUST BE specified operation type identified by one and only one SPECIFIED OPERATIONS PHASE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SOX	Primary	Y
MUST BE specified operation type identified by one and only one SPECIFIED OPERATIONS PHASE CODE		
MUST BE identifies operation action one and only one SPECIFIED OPERATIONS CODE		
MUST BE identified for a specific one and only one APPRAISAL METHOD CODE		

Entity Name: SPECIFIED SILVICULTURE COST EST			Short Name:	SSCT
Plural:	SPEC_SLV_CST_TB			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Special Transportation is recognized where terrain conditions dictate. These special forms of transportation are railway transportation, truck to truck transfer, barge or ferry used for truck haul, and some location-specific transportation methods.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N	NUMBER	7,0
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".				
* PEST_SPECIES_CODE		N	VARCHAR2	3
The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).				
* EFFECTIVE_DATE		N	DATE	
The date on which the specified silviculture cost entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the specified silviculture cost estimate entry has been reviewed and approved.				
SPEC_SLV_TRT_CST_H		N	NUMBER	4,0
The cost in dollars per hectare to perform the specified silviculture treatment.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SSCT_PK	Primary	Y
PEST_SPECIES_CODE		
EFFECTIVE_DATE		
ORG_UNIT_NO		

Entity Name: SQLDBID		Short Name: SQLDB	
<i>Plural:</i>	SQLDBIDS		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:
Identifies the name of the database currently accessed.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DUMMY_ACCESS_KEY		N	CHAR	1
Dummy key for single row control type tables.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

SQLDB_PK	<i>Primary</i>	Y
DUMMY_ACCESS_KEY		

Entity Name: STABILIZING DEPTH TABLE			Short Name:	SDT
Plural:	STABLZ_DPTH_TBL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The cost of stabilizing materials are estimated based on stabilizing material depth. Estimates are for gravel or broken rock which is placed on the road subgrade to provide stable support and a running surface for logging equipment using the road.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CONSTRUCT_CAT_CODE		N	CHAR	1
The code representing the percentage of rock for the subgrade. Values 1 thru 6 are valid.				
* UPHLL_SD_SLOPE_MAX		N	NUMBER	5,0
The upper value to determine the side slope.				
* EFFECTIVE_DATE		N	DATE	
The date on which the stabilizing depth material value becomes effective.				
STABLZ_MATERL_DPTH		N	NUMBER	3,2
The amount of stabilizing material required in metres for the side slope.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated stabilizing material depth record has been reviewed and approved.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SDT_PK	Primary	Y
CONSTRUCT_CAT_CODE		
UPHLL_SD_SLOPE_MAX		
EFFECTIVE_DATE		

Entity Name:	STABILIZING MATERIAL COST FACTOR	Short Name:	SMCF
Plural:	STABILIZING MATERIAL COST FACTOR		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The Stabilizing Material Cost Factor entity allows for the identification of the cost rates to be used for the use and movement of the stabilizing material on the engineering project.

There are different rates for each material type and trucking distance.
If the trucking distance is less than 10 km, trucking is not considered to be involved.
Flat rate per cubic meter.

If the trucking distance is > 10 km, trucking is involved and a cost factor is used in calculating the total cost.
Rate per cubic meter + trucking factor * distance moved.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE DATE		N	DATE	
The date the cost factor is effective from.				
* TRUCKING IND		N	VARCHAR2	1
A yes/no indication of whether or not trucking over 10 KM was involved.				
STABILIZING MATERIAL COST		N	NUMBER	4,2
The flat rate per cubic meter charged for the stabilizing material used.				
TRUCKING FACTOR		Y	NUMBER	4,3
The trucking factor used to calculate the trucking cost for the stabilizing material when the distance is over 10 km.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
UPDATE USERID		N	VARCHAR2	80
The userid of the resource who last modified the data				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE having stabilizing material identified by one and only one STABILIZING MATERIAL TYPE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SMCF	Primary	Y
EFFECTIVE DATE		
TRUCKING IND		
MUST BE having stabilizing material identified by one and only one STABILIZING MATERIAL TYPE CODE		

Entity Name:	STABILIZING MATERIAL TYPE CODE	Short Name:	SMTC
Plural:	STABILIZING MATERIAL TYPE CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

This entity contains the code values required to identify the type of construction material used in the TABULAR ROAD, ROAD RECONSTRUCTION and END HAUL.

- Example Values:
- G - Gravel
 - R - Rock
 - H - Hard Rock
 - S - Soft & Medium Rock

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STABILIZING MATERIAL TYPE CODE		N	VARCHAR2	1
A unique code used to identify a type of Stabilizing material used in road construction.				
DESCRIPTION		N	VARCHAR2	120
The full description of the type of stabilizing material type.				
EFFECTIVE DATE		N	DATE	
The date on which this 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 identifies subgrade material type for one or more ADS ENGINEERING SECTION COST
 - MAY BE identifies surfacing material type for one or more ADS ENGINEERING SECTION COST
 - MAY BE identifies type of stabilizing material one or more ADS TABULAR ROAD SECTION
 - MAY BE indicates stabilizing material used for one or more STABILIZING MATERIAL COST FACTOR
- * = Relationships in primary unique identifier.

Unique Identifiers:

SMTC	Primary	Y
STABILIZING MATERIAL TYPE CODE		

Entity Name: SUBGRADE BOULDER COST ESTIMATE		<i>Short Name:</i>	SBT
<i>Plural:</i>	SBGRD_BLDR_TBL		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Boulders not requiring drilling and blasting qualify for a cost additive when boulders over 0.5 metres in diameter cover over 20% of the proposed right-of-way width for a particular tabulated road section.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD_TYPE_CODE		N	CHAR	1
A code representing the type of road. Valid values are 'M' (main) and 'O' (operational).				
* BOULDER_PCT_MAX		N	NUMBER	3,0
The maximum percentage of boulder for which the associated cost applies.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated boulder cost additive entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the subgrade boulder cost estimate entry has been reviewed and approved.				
SBGRD_BLDR_CST_KM		N	NUMBER	4,0
The additional cost per kilometer anticipated to be incurred for the indicated boulder percent.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

SBT_PK	Primary	Y
ROAD_TYPE_CODE		
BOULDER_PCT_MAX		
EFFECTIVE_DATE		

Entity Name: SUBGRADE COST TABLE			<i>Short Name:</i>	SCT1
<i>Plural:</i>	SUBGRD_COST_TBL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

An indication as to whether or not the associated stabilizing material depth record has been reviewed and approved

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CONSTRUCT_CAT_CODE		N	CHAR	1
* ROCK_MASS_CLASS_CD		N	CHAR	1
* UPHLL_SD_SLOPE_MAX		N	NUMBER	5,0
* EFFECTIVE_DATE		N	DATE	
SUBGRADE_COST		N	NUMBER	5,1
COMMITTED_IND		N	CHAR	1

* = Attributes in primary unique identifier.

Unique Identifiers:

SCT_PK	Primary	Y
CONSTRUCT_CAT_CODE		
ROCK_MASS_CLASS_CD		
UPHLL_SD_SLOPE_MAX		
EFFECTIVE_DATE		

Entity Name: SUBGRADE FACTOR			<i>Short Name:</i>	SF
<i>Plural:</i>	SUBGRADE FACTOR			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A cost multiplication factor to be used in computing the subgrade code for the road reconstruction. Is determined by the case type used on the road reconstruction.

eg.

Eng Project 1 - factor of 0.20

Eng Project 2 - factor of 0.35

Eng Project 3 - calculated using formula

Eng Project 5 - 0

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE DATE		N	DATE	
The date the value is available for use.				
SUBGRADE FACTOR		N	NUMBER	3,2
The unique code identifying the factor to be used.				
2002/10/22 LAS: Modified size of field due to missing decimal places. Includes 2 decimal point as per Robert G. email Oct 4/2002				
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 indicates costing factor for one or more ADS ENGINEERING SECTION COST

- * MUST BE identified for one and only one ROAD ENGINEERING PROJECT TYPE CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

SF	Primary	Y
MUST BE identified for one and only one ROAD ENGINEERING PROJECT TYPE CODE		
EFFECTIVE DATE		

Entity Name: TABULATED CIRCULAR CULVERT COST		Short Name:	CCCT
Plural:	C_CLVRT_CST_TBL		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The cost estimate to install a circular culvert.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* APPRAISAL_MTHD_CD		N	CHAR	1
A code indicating the method of calculating the stumpage rates for the appraisal. Valid values are 'C' = Coast and 'I' = Interior.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated culvert cost becomes effective.				
* CIRC_PIPE_DIAMETR		N	NUMBER	3,1
The diameter of a metal curcular pipe culvert expressed in meters.				
* CIRC_PIPE_LENGTH		N	NUMBER	5,0
The length in metres of the culvert to be installed.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the tabulated circular culvert cost entry has been reviewed and approved.				
CLVRT_COST_EST		N	NUMBER	10,0
The cost estimate to install the indicated diameter of culvert pipe.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

CCCT_PK	Primary	Y
APPRAISAL_MTHD_CD		
CIRC_PIPE_DIAMETR		
CIRC_PIPE_LENGTH		
EFFECTIVE_DATE		

Entity Name: TABULATED PUNCHEON CULVERT COS'		Short Name:	PCT
<i>Plural:</i>	PNCHN_CLVRT_TBL		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:
The cost estimate to install a log and puncheon culvert, based on abutment type.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ABUTMENT_TYPE_CODE		N	CHAR	1
A code qualifying the type of abutment used. Valid values are 'D' (double) and 'T' (triple).				
* EFFECTIVE_DATE		N	DATE	
The date on which the puncheon culvert cost becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the associated puncheon culvert cost has been reviewed and approved.				
PUNCHEON_CLVRT_CST		N	NUMBER	7,0
The cost estimate for the log and puncheon culvert with the indicated abutment type.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

PCT_PK	Primary	Y
ABUTMENT_TYPE_CODE		
EFFECTIVE_DATE		

Entity Name: TABULATED ROAD DETAIL**Short Name:** ATRD**Plural:** APP_TAB_RD_DTL**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

The Appraisal Tabulated Road Cost Detail is the road information to determine an estimate of the cost of a section of road using road cost tables.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* SECTION_NUMBER		N	NUMBER	4,0
Number of a section of a tabulated road within a road identity.				
SECTION_LENGTH		N	NUMBER	7,3
Length of a section of a tabulated road (as identified by the section number) in kilometres within a road.				
SG_UP_SD_SLOPE_PCT		N	NUMBER	3,2
The subgrade uphill side slope percentage for a section of road as identified by the road section number.				
CONSTRUCT_CAT_CODE		N	CHAR	1
The code is based on the percentage of rock found in the identified road section. Values 1 thru 6 are valid.				
ROCK_MASS_CLASS_CD		N	CHAR	1
The code is a rock hardness indicator for the subgrade. Valid values are 'H' (Hard) and 'S' (Soft).				
QUARY_TRUCK_DSTNCE		N	NUMBER	5,2
The distance in kilometres from the source of the quarry material to the section midpoint.				
QUARY_MATRL_TYP_CD		N	CHAR	1
The type of stabilizing material to be used. Valid values are 'G' = Gravel and 'R' = Rock.				
QUARY_RK_MASS_CLAS		N	CHAR	1
The quarry rock type identifier. Valid values are 'H' or 'S'.				
CAPNG_TRUCK_DSTNCE		N	NUMBER	5,2
The distance in kilometres from the source of the capping material to the section midpoint.				
CAPNG_MATRL_TYP_CD		N	CHAR	1
The type of capping material used. Valid values are 'G' = gravel or 'R' = rock.				
CAPNG_RK_MASS_CLAS		N	CHAR	1
The rock hardness indicator. Valid values are 'H' and 'S'.				
ROLLOVER_PCT		N	NUMBER	4,0
A percentage of the costs (for an identified road section number) to be included in the current appraisal.				

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one TABULATED ROAD SUMMARY

* = Relationships in primary unique identifier.

Unique Identifiers:

ATRD_PK Primary Y

MUST BE is part of one and only one TABULATED ROAD SUMMARY
SECTION_NUMBER

Entity Name: TABULATED ROAD SUMMARY			Short Name:	ATRS
Plural:	APP_TAB_RD_SUM			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

This table contains derived summary information based on road id for each tabulated road.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD_ID		N	VARCHAR2	10
Unique identifier for a road within a timber mark.				
ROAD_LENGTH		N	NUMBER	7,3
Length of engineered road in kilometres.				
ROAD_COST_PER_M3		N	NUMBER	5,2
Cost to develop identified tabulated roads per cubic metre.				
TABULTD_ROAD_COST		N	NUMBER	11,2
The average cost of a tabulated road development per kilometre.				
NUMBER_OF_SECTIONS		N	NUMBER	4,0
Number of sections in a tabulated road.				
APPLICABLE_VOLUME		N	NUMBER	7,0
The apportioned volume of timber transported over a bridge, culvert or road.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST
- MUST BE contains one or more APP_TAB_RD_DTL
- * = Relationships in primary unique identifier.

Unique Identifiers:

ATRS_PK	Primary	Y
MUST BE is part of one and only one APPRAISAL DEVELOPMENT COST		
ROAD_ID		

Entity Name: TENURE_HISTORY**Short Name:**

TH

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

Historical tenure information for unique Timber Marks occurring within the Timber Mark table. Tenure History occurrences are created by a monthly extract process when differences are detected between current tenure information and latest tenure history.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ADM_DISTRICT_CD		N	VARCHAR2	3
Code which specifies the Administrative Forest District for a Timber Mark.				
* TIMBER_MARK		N	VARCHAR2	6
The Timber Mark that the occurrence of Tenure History represents. A Timber Mark is a unique identifier for each contractual timber tenure. A Timber Mark always belongs to a Forest File and is referenced within the Forest File by Cutting Permit Id.				
ENTRY_DATE		N	DATE	
Entry date of Tenure History occurrence. This date represents the date tenure history information was extracted and a difference between that information and the latest tenure history occurrence was detected.				
* EXPIRY_DATE		N	DATE	
Expiry date of Tenure History occurrence. This date represents the date tenure history information expires.				
FOREST_FILE_ID		N	VARCHAR2	10
Identifier assigned to Forest Files. Forest Files sometimes contain Timber Marks.				
CUTTING_PERMIT_ID		N	VARCHAR2	3
Cutting Permit identifier for a Timber Mark contained within a Forest File.				
SB_FUND_IND		N	CHAR	1
Indicator to specify the Forest File as part of the Small Business Forest Enterprise Program (SBFEP).				
QUOTA_TYPE_CODE		N	CHAR	1
The Quota Type code determines the administrative policies regarding the regulation of the Allowable Annual Cut (AAC) for the Timber Mark.				
CASCADE_SPLIT_CODE		N	CHAR	1
Cascade split code is used to specify geographic location of a Timber Mark as East or West of the Cascade Mountains Administrative Line through British Columbia from Washington State to Alaska.				
FILE_TYPE_CODE		N	VARCHAR2	3
The purpose of this code is to specify the Forest File type that contains the Timber Mark.				
MGMT_UNIT_ID		N	VARCHAR2	4
The purpose of this identifier is to specify the unique Management Unit assigned to the Forest Lands in which the tenure resides.				
FILE_TYPE_NM		N	VARCHAR2	100
The description for the File Type Code attribute of this entity.				
MGMT_UNIT_TYPE		N	CHAR	1
The type of Management Unit determines the applicable administrative policies for the forest land.				
MGMT_UNIT_TYPE_NM		N	VARCHAR2	100
The description for the Management Unit Type attribute.				
SB_CATEGORY_CODE		N	CHAR	1
Code specifying the type of end product expected from the harvested timber.				
CLIENT_LOCN_CODE		N	VARCHAR2	2

Entity Name: TENURE_HISTORY (cont'd)		Short Name:	TH
An identifier to uniquely specify the appropriate client address for a given Forest File, Cutting Permit, and sometimes Cut Block. Forest Client Link occurrence is retrieved by Forest File Id, Cutting Permit, and File Client Type 'A'.			
MGMT_UNIT_ID_NM	N VARCHAR2	100	
The description for the Management Unit identifier attribute of this entity. Note, descriptions are only available for Management Unit Types for which CODE_LIST_TABLE entries exist under column name MGMT_UNIT_XREF.			
CLIENT_NAME	N VARCHAR2	60	
The name of a Ministry Client which is either a company or individual. The full corporate name if a corporation, the full registered name if a partnership, or the legal surname if an individual.			
GEO_DISTRICT_CD	N VARCHAR2	3	
Code which specifies the Geographic Forest District for a Timber Mark.			
ADM_REGION_CD	N VARCHAR2	3	
Code which specifies the Administrative Forest Region for a Timber Mark.			
APPRAISAL_MTHD_NM	N VARCHAR2	240	
The description for the Appraisal Method Code attribute of this entity.			
CLIENT_NUMBER	N VARCHAR2	8	
Sequentially assigned number to identify a client to the Ministry of Forests for a given Forest File, Cutting Permit, and sometimes Cut Block. Retrieval of the Forest Client Link entry is by Forest File Id, Cutting Permit Id, and File Client type 'A'.			
APPRAISAL_MTHD_CD	N CHAR	1	
The purpose of this code is to specify the appraisal method used to determine the stumpage rates for a timber mark and a specific time period.			
CASCADE_SPLIT_NM	N VARCHAR2	100	
The description for the Cascade Split Code attribute of this entity.			
ADM_DISTRICT_NM	N VARCHAR2	100	
The name for the Administrative Forest District Code attribute of this entity.			
QUOTA_TYPE_NM	N VARCHAR2	100	
The description for the Quota Type Code attribute of this entity.			
SB_CATEGORY_NM	N VARCHAR2	100	
The description for the Small Business Category Code attribute of this entity.			
GEO_DISTRICT_NM	N VARCHAR2	100	
The name for the Geographic Forest District Code attribute of this entity.			
ADM_REGION_NM	N VARCHAR2	100	
The name for the Administrative Forest Region Code attribute of this entity.			

* = Attributes in primary unique identifier.

Unique Identifiers:

TH_PK Primary Y

TIMBER_MARK

EXPIRY_DATE

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.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TIMBER MARK		N	VARCHAR2	10
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
Identifier for a cutting permit associated with a quota type harvesting tenure.				
MARK STATUS ST		Y	VARCHAR2	3
Current status of Timber Mark, eg., Pending - Planned, Harvesting - Suspended. This references Timber_Status_Code.				
MARK STATUS DATE		Y	DATE	
The date that the timber mark / cutting permit status was last updated				
MARK ISSUE DATE		Y	DATE	
Date the Timber Mark was issued				
MARK EXPIRY DATE		Y	DATE	
Initial expiry date set upon activation of the timber mark.				
MARK EXTEND DATE		Y	DATE	
Date to which the timber mark validity has been extended. Current expiry date				
MARK EXTEND COUNT		Y	NUMBER	10,0
Count of the number of extensions to the expiry date that the timber mark has had.				
CROWN GRANTED ACQ DESC		Y	VARCHAR2	240
The description of the crown granted acquisition.				
MARK AMEND DATE		Y	DATE	
If the timber mark has been amended, this date will reflect the time the most recent amendment was made				
MARK CANCEL DATE		Y	DATE	
Date the timber mark was cancelled.				
TENURE TERM		Y	NUMBER	5,0
Term of the tenure (in months).				
SMALL PATCH SALVAGE IND		N	VARCHAR2	1
Indicates whether or not Cutting Permit is for small patch salvage. Geometry does not have to be supplied for small patch salvage cut blocks that are under 1 hectare.				
2004-03-04 R.A.Robb (added)				
Allowable Values of Attribute				
N			N	
Y			Y	
CERTIFICATE		Y	VARCHAR2	6
Timber mark certificate number for private marks				
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.				
FOREST DISTRICT		N	NUMBER	10,0

Entity Name:	TIMBER MARK (cont'd)	Short Name:	TM
	The organization unit identifying the forest district the timber mark is in.		
QUOTA TYPE CODE	Y VARCHAR2	1	
	Identifies an allowable harvesting quota type		
DECIDUOUS IND	N VARCHAR2	1	
	Indicates whether the timber mark is primarily for harvesting deciduous species. Otherwise, coniferous.		
CATASTROPHIC IND	N VARCHAR2	1	
	Indicates if the damage to the stand of timber is catastrophic. Otherwise, it is endemic		
CRUISE BASED IND	N VARCHAR2	1	
	Indicates whether a cruise was used for billing purposes.		
CASCADE SPLIT CODE	Y VARCHAR2	1	
	Code to indicate the administrative split for the timber mark, east or west of the Cascade Mountains, for tracking timber volume information		
BCAA FOLIO NUMBER	Y VARCHAR2	23	
	BC Assessment Authority Folio Number for the land that the cutting permit/Timber Mark pertains to, if applicable, or the LTO number. BCAA Folio Numbers are in the format C15 733 06604.140-1-2; the format for LTO numbers is nnn-xxx-yyy.		
CROWN GRANTED IND	N VARCHAR2	1	
	Indicator to signify whether the land that the timber mark pertains to has a verifiable crown grant document.		
LANDS REGION	Y VARCHAR2	1	
	Region identifier for crown lands		
MARKING METHOD CD	Y VARCHAR2	1	
	Code indicating the method of marking the truckload of harvested timber		
ACTIVATED USERID	Y VARCHAR2	30	
	Userid of the person who activated the timber mark		
AMENDED USERID	Y VARCHAR2	30	
	Userid of the person who last amended the timber mark.		
ENTRY TIMESTAMP	N DATE		
	The data and time on which the entry was created.		
ENTRY USERID	N VARCHAR2	30	
	The userid of the individual performing the entry.		
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 this information		
VM TIMBER MARK	Y VARCHAR2	6	
	This is a reformatted definition of the TIMBER_MARK. It is used primarily in Silviculture Branch's Major Licence Silviculture Information System. This column is due to be deleted.		
HDBS TIMBER MARK	Y VARCHAR2	7	
	This is the HDBS representation of the TIMBER MARK. This column is due to be deleted		
	* = Attributes in primary unique identifier.		

Relationships:

Each Occurrence Of This Entity:

MAY BE included in appraisal of one or more ADS SUBMITTED TIMBER MARK

MAY BE included in one or more APP_WORKSHEET

MAY BE having harvest area defined by one and only one CUT BLOCK

MAY BE included for authorized one or more PRMT AUTHZD BLK

MUST BE timber mark for one and only one PROV FOREST USE

* = Relationships in primary unique identifier.

Entity Name:	TIMBER MARK (cont'd)	<i>Short Name:</i>	TM
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Unique Identifiers:

LIC_CP	Primary	N
MUST BE timber mark for one and only one PROV FOREST USE CUTTING PERMIT ID		
TM	Primary	Y
TIMBER MARK		

Entity Name: TIMBERMARK SUPPLY BLOCK LINK		<i>Short Name:</i>	TTL
<i>Plural:</i>	TMARK_TSB_LINK		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

This table is used to link a TSB to a timber mark. This information is required to perform an appraisal against the mark. This is a temporary table to be used by Valuation Branch only.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
TSB_ID		N	CHAR	1
The identification associated with a TSB for the specified timber mark. Usually A-Z inclusive.				
* 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.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

TTL_PK	Primary	Y
TIMBER_MARK		

AMC1	Primary	Y
TRANSMISSION TYPE CODE		

Entity Name: TREE TO TRUCK CBL YARD PART CUT**Short Name:**

ACY

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

This entity represents factors that will modify the overhead cable yarding partial cut phase of an appraisal. These factors include: stand defect, heavy fire damage, dead useless snags, partial cut percent, volume per tree, biogeoclimatic zone.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
CBL_YARD_PRTL_VOL		N NUMBER	7,0
The volume of trees expressed in cubic metres harvested using cable yarding partial cut method.			
INTERIOR_BGC_ST		N VARCHAR2	4
The most predominant Biogeoclimatic Zone of the area to be logged by Overhead Cable Yarding within the Cutting Authority. Subset of BGC_ZONE code.			
VOLUME_PER_TREE_M3		N NUMBER	3,2
Average net merchantable volume per tree for cable yarding partial cut logging methods.			
PARTIAL_CUT_PCT		N NUMBER	3,0
The percentage of the stand volume harvested.			
HVY_FIRE_DMG_PCT		N NUMBER	3,0
The percentage of net volume that has received heavy fire damage for the area that will be harvested by cable yarding partial cut method.			
DEAD_USELS_SNG_PCT		N NUMBER	3,0
The percentage of dead useless snags in relation to the sum of conifer stems and snags for the area to be logged by cable yarding partial cut methods.			
STAND_DEFECT_PCT		N NUMBER	2,0
Percent of total decay, waste, and breakage in the stand to be partial cut cable yarded. This fugure is supplied from the cruise.			
AVG_SIDE_SLOPE_PCT		N NUMBER	3,0
The unweighted average of the maximum side slopes of all cruise plots situated within the area to be logged by cable yarding methods.			
BLOWDOWN_PERCENT		N NUMBER	3,0
The percentage for the area of net volume that is not standing due to natural causes that will be harvested by cable yarding partial cut method.			
VOL_PER_HECTARE_M3		N NUMBER	9,2
Average net merchantable volume per hectare of the area to be logged by overhead cable yarding partial cut method..			

* = Attributes in primary unique identifier.

Relationships:Each Occurrence Of This Entity:

* MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

* = Relationships in primary unique identifier.

Unique Identifiers:

ACY_PK

Primary Y

MUST BE is part of one and only one APPR INTERIOR TREE TO TRUCK COST

Entity Name: TREE TO TRUCK OTHER COSTS			Short Name:	TOT
Plural:	TTT_OTHRCST_TBLS			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The table of costs that are outside of the normal tree to truck phase but are an identified component. Typical values are horse logging and helicopter logging.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N	NUMBER	7,0
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".				
* TTT_OTHR_COST_CODE		N	VARCHAR2	3
A code to uniquely identify the tree to truck phase 'other' cost.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated tree to truck 'other' cost becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the tree to truck other costs entry has been reviewed and approved.				
TTT_OTHRCST_DESC		N	VARCHAR2	25
A textual description of the associated tree to truck 'other' cost.				
TTT_OTHRCST_CST_M3		N	NUMBER	5,2
A per cubic meter allowance for the indicated tree to truck phase 'other' cost, when used.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

TOT_PK	Primary	Y
ORG_UNIT_NO		
TTT_OTHR_COST_CODE		
EFFECTIVE_DATE		

Entity Name:	TRUCK HAUL METHOD CODE			Short Name:	THMC
Plural:	TRUCK HAUL METHOD CODE				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:		

Description:

The haul method used to transport the logs.
Will be either highway or off highway.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TRUCK HAUL METHOD CODE		N	VARCHAR2	1
The unique code to identify the method of transporting the logs via truck.				
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 identify method of log haul for one or more INTERIOR APPRAISAL

* = Relationships in primary unique identifier.

Unique Identifiers:

THMC	Primary	Y
TRUCK HAUL METHOD CODE		

Entity Name:	TRUCK TO RAIL CODE			Short Name:	TTRC
Plural:	TRUCK TO RAIL CODE				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:		

Description:

An indication of whether or not there will be a truck to rail transfer required for the transportation of the logs and if BC Rail or another rail transport will be used.
Values indicate No, Other and Dease Lake.
Used for Interior Appraisals

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TRUCK TO RAIL CODE		N	VARCHAR2	1
The unique code indicating if truck to rail transfer is required.				
Ex. N - No				
D - Dease Lake				
O - Other				
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.				
UPDATE TIMESTAMP		N	DATE	
The date and time the value was last modified.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

TTRC	Primary	Y
TRUCK TO RAIL CODE		

Entity Name: TSA NUMBER CODE			<i>Short Name:</i>	TNC
<i>Plural:</i>	TSA NUMBER CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The numbers and names of all the Timber Supply Areas in the Province.

<i>Attributes:</i>		
<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u> <u>Length</u>
* TSA NUMBER		N VARCHAR2 2
The unique identifier for the Timber Supply Area.		
DESCRIPTION		Y VARCHAR2 120
The full description of the Timber Supply Area.		
EFFECTIVE DATE		Y DATE
The date the value is available for use.		
EXPIRY DATE		Y 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 contain one or more TSB NUMBER CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

TNC	Primary	Y
TSA NUMBER		

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 location of one or more APPRAISAL DATA SUBMISSION
MUST BE defined within one and only one TSA NUMBER CODE
* = Relationships in primary unique identifier.

Unique Identifiers:

TNC1	Primary	Y
TSB NUMBER CODE		

Entity Name: UPSET OVERRIDE REASON CODE			<i>Short Name:</i>	UORC
<i>Plural:</i>	UPSET OVERRIDE REASON CODE			
<i>Init. Volume:</i>	3	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i> 5%

Description:

Rationale used by the BCTS TSM, under the appraisal manual, to vary the upset stumpage rate to that equaling the cost of preparing the timber sale for auction.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* UPSET OVERRIDE REASON CODE		N	VARCHAR2	3
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 identifies one or more APPRAISAL DATA SUBMISSION

* = Relationships in primary unique identifier.

Unique Identifiers:

UORC	Primary	Y
UPSET OVERRIDE REASON CODE		

Entity Name: VALID APPRAISAL CULVERT DIAMETER		Short Name:	VACD
Plural:	VALID APPRAISAL CULVERT DIAMETER		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

The various diameters of the metal CULVERTS which are typically used for Logging Roads.
The entity contains the valid codes and descriptions for use in the CULVERT entity.
Will identify the diameters of the Metal culverts.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CULVERT DIAMETER		N	VARCHAR2	3
The unique code identifying the valid CULVERT diameters. For Metal Culverts Example values: 3 4 5 6 7 8 9 10 12 14 16 18				
DESCRIPTION		N	VARCHAR2	120
The full description of the value. Examples: 3 - A 0.3 meter diameter culvert 4 - A 0.4 meter diameter culvert				
EFFECTIVE DATE		N	DATE	
The date on which this value becomes 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.				
UPDATE USERID		N	VARCHAR2	80
The userid of the resource who last modified the data				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE indicate type of culvert one or more ADS CULVERT
MAY BE validates diameter of one or more ADS CULVERT
* = Relationships in primary unique identifier.

Unique Identifiers:

CDC	Primary	Y
CULVERT DIAMETER		

Entity Name:	VALID APPRAISAL CULVERT LENGTH	<i>Short Name:</i>	VACL
<i>Plural:</i>	VALID APPRAISAL CULVERT LENGTH		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Identifies the lengths of culverts available for use in Interior Appraisals.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CULVERT LENGTH		N	NUMBER	3
The unique identifier for the culvert length. ex. 12 20 28				
DESCRIPTION		N	VARCHAR2	120
The full description of the code value.				
EFFECTIVE DATE		N	DATE	
The date when the code value becomes available for use.				
EXPIRY DATE		N	DATE	
The date after which the code value is no longer available for use.				
UPDATE TIMESTAMP		N	DATE	
The date and time the code value was last modified.				
UPDATE USERID		N	VARCHAR2	80
The userid of the resource who last modified the data				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE defining length of one or more ADS CULVERT

* = Relationships in primary unique identifier.

Unique Identifiers:

CL1	Primary	Y
CULVERT LENGTH		

Entity Name:	WATER TRANSPORT CODE			Short Name:	WTC
Plural:	WATER TRANSPORT CODE				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:		

Description:

The method of water transportation used for the cut block blending.
May be either towing or barging.

<i>Attributes:</i>					
	<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
*	WATER TRANSPORT CODE		N	VARCHAR2	1
	The unique identifier for the method of water transportation of the logs.				
	DESCRIPTION		N	VARCHAR2	120
	The full description of the water transportation method.				
	Towing				
	Barging				
	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 indicates method of water transport for one or more ADS CUTTING AUTHORITY DETAIL

* = Relationships in primary unique identifier.

Unique Identifiers:

WTC	Primary	Y
WATER TRANSPORT CODE		

Entity Name:	WINTER ROAD SUBGRADE COST			Short Name:	WSC
Plural:	WRD_SUBGRD_COSTS				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:		

Description:

This entity represents the subgrade costs for constructing a winter road.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* UPHLL_SD_SLOPE_MAX		N	NUMBER	3,0
The upper percentage value of the side slope to determine the cost to subgrade a road.				
* EFFECTIVE_DATE		N	DATE	
The date on which the associated winter road subgrade cost entry becomes effective.				
COMMITTED_IND		N	CHAR	1
An indication as to whether or not the winter road subgrade cost entry has been reviewed and approved.				
SUBGRADE_COST_KM		N	NUMBER	9,2
The estimate cost per kilometer for subgrade construction.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

WSC_PK	<i>Primary</i>	<i>Y</i>
<i>UPHLL_SD_SLOPE_MAX</i>		
<i>EFFECTIVE_DATE</i>		

Entity Name: WOODLOT PERIOD CODE			<i>Short Name:</i>	WPC
<i>Plural:</i>	WOODLOT PERIOD CODE			
<i>Init. Volume:</i>	2	<i>Avg. Volume:</i>	5	<i>Max. Volume:</i> 10
			<i>Annual Growth Rate:</i>	1%

Description:

An indication of the frequency of adjustments to an appraisal when it is a woodlot.
Valid values are Annual and Quarterly.
Subset of the existing Period Type Code.

<i>Attributes:</i>				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* WOODLOT PERIOD CODE		N	VARCHAR2	1
The unique code indicating the adjustment frequency.				
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.				
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 indicating adjustment frequency for one or more INTERIOR APPRAISAL

* = Relationships in primary unique identifier.

Unique Identifiers:

WAC	Primary	Y
WOODLOT PERIOD CODE		

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