

# Entity and Attribute Definitions Report

Run by: GDUFF  
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Total Pages: 146  
Total Entities: 131

## **Parameters**

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



|                                        |                |                     |                            |                       |
|----------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> ADJUSTMENT_CONTROL |                |                     | <b>Short Name:</b>         | AC                    |
| <b>Plural:</b>                         | ADJUSTMENT_CTL |                     |                            |                       |
| <b>Init. Volume:</b>                   | 0              | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                        |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_METHOD_CODE                                                                      |               | N          | VARCHAR2      | 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.                                          |               |            |               |               |
| MINIMUM_STUMPAGE_RATE                                                                        |               | N          | NUMBER        | 3,2           |
| DISCOUNT_PERCENT                                                                             |               | N          | NUMBER        | 5             |
| The default discount percentage that applies to the stumpage rate for a given timber sale.   |               |            |               |               |
| COMPLETED_INDICATOR                                                                          |               | N          | VARCHAR2      | 1             |
| A flag indicating whether the adjustment for the effective period has been completed.        |               |            |               |               |
| COMMITTED_INDICATOR                                                                          |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the adjustment record has been reviewed and approved.     |               |            |               |               |
| CONFIRM_TRANSACTION_INDICATOR                                                                |               | N          | VARCHAR2      | 1             |
| An indicator to prevent appraisal worksheet confirmation while an adjustment is in progress. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                 |               |            |               |               |

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| AC                    | Primary | Y |
| EFFECTIVE_DATE        |         |   |
| APPRAISAL_METHOD_CODE |         |   |

|                                         |                 |                     |                            |                       |
|-----------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> ALLOCATED_ROAD_COST |                 |                     | <b>Short Name:</b>         | ARC                   |
| <b>Plural:</b>                          | APP_ALC_RD_COST |                     |                            |                       |
| <b>Init. Volume:</b>                    | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                         |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_IDENTIFIER                                                                                       |               | 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        | 5             |
| Percentage of the cost to the crown to develop an identified section of road included in the appraisal. |               |            |               |               |
| ALLOCATED_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:

|                                                                |         |   |
|----------------------------------------------------------------|---------|---|
| ARC                                                            | Primary | Y |
| ROAD_IDENTIFIER                                                |         |   |
| MUST BE IS_PART_OF one and only one APPRAISAL_DEVELOPMENT_COST |         |   |

|                                               |                           |              |                     |
|-----------------------------------------------|---------------------------|--------------|---------------------|
| <b>Entity Name:</b> APP SPECIES DAMAGE VOLUME |                           | Short Name:  | ASDV                |
| Plural:                                       | APP SPECIES DAMAGE VOLUME |              |                     |
| Init. Volume:                                 | Avg. Volume:              | Max. Volume: | Annual Growth Rate: |

Description:

This entity contains insect damage information specific to each appraisal. Details include species, insect damage type, damage code, and volume.

Attributes:

| <u>Name</u>                                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SPECIES DAMAGE VOLUME ID                                                                                                                                  |               | N          | NUMBER        | 12            |
| A unique identifier for the damage volume.                                                                                                                  |               |            |               |               |
| ADS SPECIES DAMAGE CATGRY CODE                                                                                                                              |               | Y          | VARCHAR2      | 2             |
| The damage code used to describe the stage of attack associated with each species and volume identified in this table. These include: GA, RA, YA, DP and G. |               |            |               |               |
| HDBS TREE SPECIES                                                                                                                                           |               | Y          | VARCHAR2      | 2             |
| Identifies the tree species associated with the insect damage.                                                                                              |               |            |               |               |
| ADS INSECT SPECIES CODE                                                                                                                                     |               | N          | VARCHAR2      | 3             |
| The code used to describe the type of insect damage associated with each species and volume identified in this table. these include: MPB and UNK.           |               |            |               |               |
| VOLUME                                                                                                                                                      |               | N          | NUMBER        | 7             |
| The species volume (by insect category and damage code), identified for this cutting authority.                                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE BELONGS TO one and only one APPRAISAL\_WORKSHEET
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                         |         |   |
|---------------------------------------------------------|---------|---|
| ASDV                                                    | Primary | Y |
| MUST BE BELONGS TO one and only one APPRAISAL_WORKSHEET |         |   |
| SPECIES DAMAGE VOLUME ID                                |         |   |

|                                  |              |                     |                            |                       |
|----------------------------------|--------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPL_MESSAGE |              |                     | <i>Short Name:</i>         | AM                    |
| <i>Plural:</i>                   | APPL_MESSAGE |                     |                            |                       |
| <i>Init. Volume:</i>             | 0            | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                  |              |                     | <i>Annual Growth Rate:</i> | 0%                    |

*Description:*  
Contains messages about conditions within an application.

|                                                                    |               |            |               |               |
|--------------------------------------------------------------------|---------------|------------|---------------|---------------|
| <b>Attributes:</b>                                                 |               |            |               |               |
| <u>Name</u>                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
| * MESSAGE_NUMBER                                                   |               | N          | NUMBER        | 5             |
| Sequential number assigned to the condition within an application. |               |            |               |               |
| * SYSTEM_ABBR                                                      |               | N          | VARCHAR2      | 3             |
| Approved abbreviation for a system name.                           |               |            |               |               |
| * = Attributes in primary unique identifier.                       |               |            |               |               |

|                            |           |
|----------------------------|-----------|
| <b>Unique Identifiers:</b> |           |
| AM                         | Primary Y |
| MESSAGE_NUMBER             |           |
| SYSTEM_ABBR                |           |

|                                                   |                     |                     |                             |
|---------------------------------------------------|---------------------|---------------------|-----------------------------|
| <b>Entity Name:</b> APPRAISAL CURRENCY CONVERSION |                     |                     | <b>Short Name:</b> APP_CURR |
| <b>Plural:</b> APPRAISAL CURRENCY CONVERSION      |                     |                     |                             |
| <b>Init. Volume:</b>                              | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b>  |

Description:

This table contains the appraisal currency conversions for the MPS Interior Appraisals. The conversion rate is the amount of foreign funds needed to convert to \$1 Canadian. For example, a CONVERSION\_RATE of 0.89 means that it will take \$0.89 USD to make \$1 Canadian. This table is updated monthly, as the currency rate is defined as the monthly averaged currency rate.

Attributes:

| <u>Name</u>                                                         | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * APP CURRENCY CONV ID                                              |               | N          | NUMBER        | 4,0           |
| Unique identifier for the table, primary key                        |               |            |               |               |
| CURRENCY TYPE CODE                                                  |               | N          | VARCHAR2      | 4             |
| Character code to describe the type of currency being converted to. |               |            |               |               |
| CONVERSION RATE                                                     |               | N          | NUMBER        | 8,4           |
| The amount of foreign funds needed to convert to \$1 Canadian.      |               |            |               |               |
| EFFECTIVE DATE                                                      |               | N          | DATE          |               |
| The date for which this conversion rate is effective                |               |            |               |               |
| EXPIRY DATE                                                         |               | N          | DATE          |               |
| The date at which the conversion rate expires.                      |               |            |               |               |
| * = Attributes in primary unique identifier.                        |               |            |               |               |

Unique Identifiers:

|                      |         |   |
|----------------------|---------|---|
| APP CURR SECONDARY   | Primary | N |
| CURRENCY TYPE CODE   |         |   |
| EFFECTIVE DATE       |         |   |
| EXPIRY DATE          |         |   |
| APP CURR PK          | Primary | Y |
| APP CURRENCY CONV ID |         |   |

|                                                 |                 |              |                     |
|-------------------------------------------------|-----------------|--------------|---------------------|
| <b>Entity Name:</b> APPRAISAL HISTORICAL REGION |                 | Short Name:  | AHR                 |
| Plural:                                         | APP_HIST_REGION |              |                     |
| Init. Volume:                                   | Avg. Volume:    | Max. Volume: | Annual Growth Rate: |

**Description:**  
Used to identify historical region for appraisals for timber marks issued after April 1, 2003 in Headwaters Forest District.

**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 identifies district for one and only one ORG\_UNIT
  - \* MUST BE region identified by one and only one ORG\_UNIT
  - \* MUST BE refers to one and only one PROV\_FOREST\_USE
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                                           |         |   |
|-----------------------------------------------------------|---------|---|
| AHR                                                       | Primary | Y |
| MUST BE refers to one and only one PROV_FOREST_USE        |         |   |
| MUST BE region identified by one and only one ORG_UNIT    |         |   |
| MUST BE identifies district for one and only one ORG_UNIT |         |   |

|                                                    |                |                     |     |
|----------------------------------------------------|----------------|---------------------|-----|
| <b>Entity Name:</b> APPRAISAL_ADJUSTMENT_PARAMETER |                | Short Name:         | AAP |
| Plural:                                            | APPR_ADJ_PARMs |                     |     |
| Init. Volume:                                      | 0              | Avg. Volume:        | 0   |
|                                                    |                | Max. Volume:        | 0   |
|                                                    |                | Annual Growth Rate: | 0%  |

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_ADJUSTMENT_DATE                                                                                         |               | N          | DATE          |               |
| The date beyond which no adjustments will take place for an otherwise normally adjusting Appraisal Worksheet. |               |            |               |               |
| FREEZE_DEFAULT_BILLING_RATE_DATE                                                                              |               | 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 |
| MUST BE ADJUSTS one and only one APPRAISAL_WORKSHEET |         |   |

**Entity Name:** APPRAISAL\_ADMINISTRATION\_COST**Short Name:**

AAC

**Plural:** APP\_ADMIN\_COST**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| MARSHALLING_POINT_INDICATOR                                                                                                                           |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not a logging operation is accessible.                                                                                 |               |            |               |               |
| ISOLATED_ACCOMMODATION_TYPE_CODE                                                                                                                      |               | N          | VARCHAR2      | 1             |
| Identifies type of accommodation in isolated areas for appraisal purposes.                                                                            |               |            |               |               |
| CREW_TRANSPORTATION_DISTANCE                                                                                                                          |               | N          | NUMBER        | 5,2           |
| Distance to move crews (see crew transportation).                                                                                                     |               |            |               |               |
| ADMINISTRATION_SPECIFIED_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_SPECIFIED_OP_COST_PER_M3                                                                                                                        |               | N          | NUMBER        | 5,2           |
| A cost estimate determined for a specified administration operation (see ADMINISTRATION_SPECIFIED OP COST).                                           |               |            |               |               |
| GENERAL_AND_ADMINISTRATION_COSTS                                                                                                                      |               | N          | NUMBER        | 7,4           |
| Costs for related administrative and supervisory activities 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_TRANSPORTATION_COST                                                                                                                              |               | N          | NUMBER        | 7,4           |
| The cost of moving crew to and from the appraisal marshalling area to the centre of the work area in the cutting authority .                          |               |            |               |               |
| RE MOTENESS_COST                                                                                                                                      |               | N          | NUMBER        | 7,4           |
| The additional administrative and overhead cost incurred by remote operations.                                                                        |               |            |               |               |
| ACCOMMODATION_COST                                                                                                                                    |               | N          | NUMBER        | 7,4           |
| The cost of room/board for the workers.                                                                                                               |               |            |               |               |
| LOW_VOLUME_ADDITIVE_COST                                                                                                                              |               | 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.                                |               |            |               |               |
| BUNK_COOKHOUSE_INDICATOR                                                                                                                              |               | N          | VARCHAR2      | 1             |
| Identifies whether facilities exist or are under construction and over 80% of the logging crew resides in the camp.                                   |               |            |               |               |
| AIR_WATER_FREIGHT_INDICATOR                                                                                                                           |               | N          | VARCHAR2      | 1             |
| Indicates whether all freight in/out of the camp must be shipped via air or water (not by road).                                                      |               |            |               |               |
| AIRFARE_ALLOWANCE_INDICATOR                                                                                                                           |               | N          | VARCHAR2      | 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.

|                     |                                        |                    |     |
|---------------------|----------------------------------------|--------------------|-----|
| <b>Entity Name:</b> | APPRAISAL_ADMINISTRATION_COST (cont'd) | <i>Short Name:</i> | AAC |
|---------------------|----------------------------------------|--------------------|-----|

Unique Identifiers:

|                                                              |         |   |
|--------------------------------------------------------------|---------|---|
| AAC                                                          | Primary | Y |
| MUST BE IS_PART_OF one and only one APPRAISAL_OPERATING_COST |         |   |

|                                              |                |                     |                            |                       |
|----------------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_ALLOCATED_COST |                |                     | <b>Short Name:</b>         | AAC1                  |
| <b>Plural:</b>                               | APP_ALLOC_COST |                     |                            |                       |
| <b>Init. Volume:</b>                         | 1              | <b>Avg. Volume:</b> | 1                          | <b>Max. Volume:</b> 1 |
|                                              |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_ESTIMATE                                                                                                                                |               | N          | NUMBER        | 9,2           |
| A cost incurred by the crown to be charged back to the SBFEP licensee as a development levy.                                                           |               |            |               |               |
| ALLOCATED_APPLICABLE_VOLUME                                                                                                                            |               | N          | NUMBER        | 10            |
| 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                                                               | Primary | Y |
| ALLOCATED_COST_ID                                                  |         |   |
| MUST BE IS_PART_OF one and only one APPR_INTERIOR_DEVELOPMENT_COST |         |   |

|                                           |                 |                     |                            |                       |
|-------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_BRIDGE_COST |                 |                     | <b>Short Name:</b>         | ABC                   |
| <b>Plural:</b>                            | APP_BRIDGE_COST |                     |                            |                       |
| <b>Init. Volume:</b>                      | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                           |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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.                               |               |            |               |               |
| APPRAISAL_BRIDGE_TYPE_CODE                                                        |               | N          | VARCHAR2      | 3             |
| Identifies the type of bridge used for cost estimates.                            |               |            |               |               |
| BRIDGE_SPAN                                                                       |               | N          | NUMBER        | 5             |
| Length of the identified bridge in metres.                                        |               |            |               |               |
| BRIDGE_CRIB_HEIGHT                                                                |               | N          | NUMBER        | 5             |
| The average height of the identified bridge in metres                             |               |            |               |               |
| BRIDGE_COST                                                                       |               | N          | NUMBER        | 10            |
| The total cost of the identified bridge.                                          |               |            |               |               |
| BRIDGE_ROLLOVER_PERCENTAGE                                                        |               | N          | NUMBER        | 5             |
| The percentage of bridge cost to include in a current appraisal.                  |               |            |               |               |
| TABULATED_BRIDGE_INDICATOR                                                        |               | N          | VARCHAR2      | 1             |
| A flag to indicate whether the identified bridge cost is tabulated or engineered. |               |            |               |               |
| APPLICABLE_VOLUME                                                                 |               | N          | NUMBER        | 10            |
| 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                                                            | Primary | Y |
| BRIDGE_ID                                                      |         |   |
| MUST BE IS_PART_OF one and only one APPRAISAL_DEVELOPMENT_COST |         |   |

ACSF

Annual Growth Rate: 0%

*MUST BE BELONGS\_TO one and only one APPRAISAL\_OPERATING\_COST*

|                      |                                 |                            |      |
|----------------------|---------------------------------|----------------------------|------|
| <b>Entity Name:</b>  | APPRAISAL_CULVERT_COST_ESTIMATE | <b>Short Name:</b>         | ACCE |
| <b>Plural:</b>       | APP_CULVERT_CST                 |                            |      |
| <b>Init. Volume:</b> | 0                               | <b>Avg. Volume:</b>        | 0    |
|                      |                                 | <b>Max. Volume:</b>        | 0    |
|                      |                                 | <b>Annual Growth Rate:</b> | 0%   |

**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        | 5             |
| Sequence number which will be used to allow for multiple entries (culverts) of the same size and diameter for a given appraisal.                                                  |               |            |               |               |
| CIRCULAR_CULVERT_PIPE_DIAMETER                                                                                                                                                    |               | N          | NUMBER        | 3,1           |
| Diameter of a metal circular pipe culvert in metres.                                                                                                                              |               |            |               |               |
| CIRCULAR_PIPE_LENGTH                                                                                                                                                              |               | N          | NUMBER        | 5             |
| The length in metres of the circular culvert to be installed.                                                                                                                     |               |            |               |               |
| CULVERT_QUANTITY                                                                                                                                                                  |               | N          | NUMBER        | 5             |
| The number of culverts of a appraised for this timber mark.                                                                                                                       |               |            |               |               |
| CULVERT_COST                                                                                                                                                                      |               | N          | NUMBER        | 10            |
| 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. |               |            |               |               |
| CULVERT_ROLLOVER_PERCENTAGE                                                                                                                                                       |               | N          | NUMBER        | 5             |
| The percentage of culvert cost to include in a current appraisal.                                                                                                                 |               |            |               |               |
| TABULATED_CULVERT_INDICATOR                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| A flag to indicate whether the identified culvert cost is tabulated or engineered.                                                                                                |               |            |               |               |
| APPLICABLE_VOLUME                                                                                                                                                                 |               | N          | NUMBER        | 10            |
| 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:**

|                                                                |         |   |
|----------------------------------------------------------------|---------|---|
| ACCE                                                           | Primary | Y |
| SEQUENCE_NUMBER                                                |         |   |
| MUST BE IS_PART_OF one and only one APPRAISAL_DEVELOPMENT_COST |         |   |

|                                                  |                 |                     |                            |                       |
|--------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_CYCLE_TIME_DETAILS |                 |                     | <b>Short Name:</b>         | ACTD                  |
| <b>Plural:</b>                                   | APR_CYC_TME_DTL |                     |                            |                       |
| <b>Init. Volume:</b>                             | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                  |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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          | VARCHAR2      | 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          | VARCHAR2      | 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_DISTANCE                                                                                                                                                                                                                                        |               | N          | NUMBER        | 5,1           |
| The distance over which the haul applies.                                                                                                                                                                                                                  |               |            |               |               |
| SPEED_LOADED_KILOMETRES_PER_HOUR                                                                                                                                                                                                                           |               | N          | NUMBER        | 5             |
| The anticipated average speed that the vehicle will travel over the haul distance when loaded.                                                                                                                                                             |               |            |               |               |
| SPEED_EMPTY_KILOMETRES_PER_HOUR                                                                                                                                                                                                                            |               | N          | NUMBER        | 5             |
| The anticipated average speed that the vehicle will travel over the haul distance while empty.                                                                                                                                                             |               |            |               |               |
| TRAVEL_TIME_LOADED                                                                                                                                                                                                                                         |               | N          | NUMBER        | 5             |
| 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        | 5             |
| 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                                                                 | Primary | Y |
| HAUL_ROAD_ID                                                         |         |   |
| MUST BE CALCULATES one and only one APPR_INTERIOR_LOG_TRANSPORT_COST |         |   |

**Entity Name:** APPRAISAL\_DEVELOPMENT\_COST**Short Name:**

ADC

**Plural:** APP\_DEV\_COST**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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                                                                                                                                                                                                                              |               | N NUMBER                 | 7,2           |
| Total bridge cost in a specified timber mark divided by the Total Cruise Volume.                                                                                                                                                         |               |                          |               |
| ENGINEERED_ROAD_COST                                                                                                                                                                                                                     |               | N NUMBER                 | 7,2           |
| Total cost of all engineered roads within a specified timber mark divided by the Total Cruise Volume.                                                                                                                                    |               |                          |               |
| TABULATED_ROAD_COST                                                                                                                                                                                                                      |               | N NUMBER                 | 7,2           |
| The total estimate per cubic metre to develop all indicated tabulated roads divided by the Total Cruise Volume.                                                                                                                          |               |                          |               |
| ALLOCATED_ROAD_COST                                                                                                                                                                                                                      |               | N NUMBER                 | 7,2           |
| Total cost of all allocated roads divided by the Total Cruise Volume.                                                                                                                                                                    |               |                          |               |
| TABULATED_ROAD_LENGTH                                                                                                                                                                                                                    |               | N NUMBER                 | 7,3           |
| Total length of all tabulated roads within the timber mark.                                                                                                                                                                              |               |                          |               |
| HARD_ROCK_ROAD_LENGTH                                                                                                                                                                                                                    |               | N NUMBER                 | 7,3           |
| The total length of road that has a rock mass classification of hard.                                                                                                                                                                    |               |                          |               |
| ENGINEERED_BRIDGE_COST                                                                                                                                                                                                                   |               | N NUMBER                 | 7,2           |
| Total cost of all engineered bridges within the timber mark divided by the Total Cruise Volume.                                                                                                                                          |               |                          |               |
| TABULATED_BRIDGE_COST                                                                                                                                                                                                                    |               | N NUMBER                 | 7,2           |
| Total cost of all tabulated bridges within a specified timber mark divided by the Total Cruise Volume.                                                                                                                                   |               |                          |               |
| ENGINEERED_CULVERT_COST                                                                                                                                                                                                                  |               | N NUMBER                 | 7,2           |
| Total cost of all engineered culverts within the timber mark divided by the Total Cruise Volume.                                                                                                                                         |               |                          |               |
| TABULATED_CULVERT_COST                                                                                                                                                                                                                   |               | N NUMBER                 | 7,2           |
| Total cost of all tabulated culverts within a specified timber mark divided by the Total Cruise Volume.                                                                                                                                  |               |                          |               |
| HARD_ROCK_INDICATOR                                                                                                                                                                                                                      |               | N VARCHAR2               | 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_ROAD_ROCK_LENGTH                                                                                                                                                                                                                     |               | N NUMBER                 | 7,3           |
| The total length of road that has subgrade construction category code of 2 - 6.                                                                                                                                                          |               |                          |               |
| RECONSTRUCTION_COST                                                                                                                                                                                                                      |               | N NUMBER                 | 5,2           |
| Total calculated reconstruction and replacement cost for a timber mark divided by net cruise volume.                                                                                                                                     |               |                          |               |
| ROAD_COST_ZONE_CODE                                                                                                                                                                                                                      |               | 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. |               |                          |               |
| AVERAGE_ROAD_CROWN_PERCENTAGE                                                                                                                                                                                                            |               | N NUMBER                 | 5             |
| 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.                                              |               |                          |               |

|              |                                     |             |     |
|--------------|-------------------------------------|-------------|-----|
| Entity Name: | APPRAISAL_DEVELOPMENT_COST (cont'd) | Short Name: | ADC |
|--------------|-------------------------------------|-------------|-----|

\* = Attributes in primary unique identifier.

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 and only one APPRAISAL\_ENGINEERING\_ROAD\_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                                                          | Primary | Y |
| MUST BE IS_PART_OF one and only one APPRAISAL_OPERATING_COST |         |   |

|                                               |                 |                     |                            |                       |
|-----------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_ENGINEERED_COST |                 |                     | <b>Short Name:</b>         | AEC                   |
| <b>Plural:</b>                                | APP_ENGINRD_CST |                     |                            |                       |
| <b>Init. Volume:</b>                          | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                               |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * ENGINEERED_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_COST_ESTIMATE                                                                                                                             |               | 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.                      |               |            |               |               |
| ENGINEERED_APPLICABLE_VOLUME                                                                                                                         |               | N          | NUMBER        | 10            |
| 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                                                                | Primary | Y |
| ENGINEERED_COST_ID                                                 |         |   |
| MUST BE IS_PART_OF one and only one APPR_INTERIOR_DEVELOPMENT_COST |         |   |

*MUST BE IS\_PART\_OF one and only one APPRAISAL\_DEVELOPMENT\_COST*

|                                                |                |                     |                            |                       |
|------------------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_INTERIOR_SPECIES |                |                     | <b>Short Name:</b>         | AIS                   |
| <b>Plural:</b>                                 | APPINT_SPECIES |                     |                            |                       |
| <b>Init. Volume:</b>                           | 1              | <b>Avg. Volume:</b> | 1                          | <b>Max. Volume:</b> 1 |
|                                                |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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.                                                                                                                |               |            |               |               |
| SPECIES_LUMBER_SELL_PRICE_ZONE                                                                                                                                             |               | N          | NUMBER        | 5             |
| The lumber selling price zone that is applicable for this species.                                                                                                         |               |            |               |               |
| INTEGRATED_CHIP_ZONE_INDICATOR                                                                                                                                             |               | N          | VARCHAR2      | 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        | 10            |
| Total volume of a species found within the total cruise volume.                                                                                                            |               |            |               |               |
| SPECIES_LRF_FACTOR_FBM                                                                                                                                                     |               | N          | NUMBER        | 5             |
| 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_PERCENT                                                                                                                                                      |               | N          | NUMBER        | 5             |
| Percent decay for a species.                                                                                                                                               |               |            |               |               |
| SPECIES_STUD_PERCENT                                                                                                                                                       |               | N          | NUMBER        | 5             |
| 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_PERCENT                                                                                                                                                       |               | N          | NUMBER        | 5             |
| The percentage of cruise volume that is burned and is not useful for producing chips.                                                                                      |               |            |               |               |
| SPECIES_COMPETITIVE_INDICATOR                                                                                                                                              |               | N          | VARCHAR2      | 1             |
| Indicates whether or not bonuses and levies are to be applied to the appraisal.                                                                                            |               |            |               |               |
| SPECIES_SELLING_PRICE_PER_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:

|                                                              |
|--------------------------------------------------------------|
| * MUST BE GENERATED_FOR one and only one APPRAISAL_WORKSHEET |
| MAY BE CALCULATES one and only one APPR_MANUFACTURING_COST   |
| * = Relationships in primary unique identifier.              |

Unique Identifiers:

|                                                            |         |   |
|------------------------------------------------------------|---------|---|
| AIS                                                        | Primary | Y |
| HDBS_TREE_SPECIES                                          |         |   |
| MUST BE GENERATED_FOR one and only one APPRAISAL_WORKSHEET |         |   |

**Entity Name:** APPRAISAL\_LOG\_TRANSPORT\_COST**Short Name:**

ALTC

**Plural:** APP\_LOG\_TSP\_CST**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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_MAINTENANCE_INDICATOR                                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| Indicates whether or not road maintenance costs determined within a timber mark.                                                                                                                 |               |            |               |               |
| TRUCK_HAUL_DISTANCE                                                                                                                                                                              |               | N          | NUMBER        | 5,2           |
| Indicates whether or not road maintenance costs will be determined within a timber mark.                                                                                                         |               |            |               |               |
| BRIDGE_REPLACEMENT_COST                                                                                                                                                                          |               | N          | NUMBER        | 10            |
| The cost to perform major reconstruction of a drainage structure.                                                                                                                                |               |            |               |               |
| RUNNING_SURFACE_COST                                                                                                                                                                             |               | N          | NUMBER        | 10            |
| The cost of major reconstruction or resurfacing of a section of road.                                                                                                                            |               |            |               |               |
| STORM_DAMAGE_COST                                                                                                                                                                                |               | N          | NUMBER        | 10            |
| 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_VOLUME                                                                                                                                                                            |               | N          | NUMBER        | 10            |
| The anticipated tributary log volume in m3.                                                                                                                                                      |               |            |               |               |
| ROAD_LAND_USE_CHARGE                                                                                                                                                                             |               | N          | NUMBER        | 5,2           |
| The fee per cubic metre to be charged for using lands or roads.                                                                                                                                  |               |            |               |               |
| TRANSPORTATION_OPERATION_COST                                                                                                                                                                    |               | N          | NUMBER        | 5,2           |
| A cost estimate directly entered for a specified operation transportation cost.                                                                                                                  |               |            |               |               |
| TRANSPORT_SPECIFIED_OPRT_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.                                        |               |            |               |               |
| FIRST_POINT_OF_ORIGIN                                                                                                                                                                            |               | N          | VARCHAR2      | 4             |
| A source point for the water transportation costs. This is a code which refers to the point of origin subtable.                                                                                  |               |            |               |               |
| SECOND_POINT_OF_ORIGIN                                                                                                                                                                           |               | 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                                                                                                                                                                                  |               | N          | NUMBER        | 7,4           |
| It is a calculated value based on the distance the timber is hauled by a logging truck.                                                                                                          |               |            |               |               |
| DUMP_SORT_BOOM_COST                                                                                                                                                                              |               | N          | NUMBER        | 5,2           |
| The cost for dump, sort, boom scale and re-load from dryland sorts.                                                                                                                              |               |            |               |               |
| WATER_TRNSP_COST_APPR                                                                                                                                                                            |               | N          | NUMBER        | 5,2           |
| Costs for barging or towing from specific points of origin for an appraisal.                                                                                                                     |               |            |               |               |
| WATER_TRANSPORTATION_CODE                                                                                                                                                                        |               | N          | VARCHAR2      | 1             |
| A code describing the type of water transportation used. Allowable values are "BARGE" and "TOWING".                                                                                              |               |            |               |               |
| OTHER_TRANSPORTATION_COSTS                                                                                                                                                                       |               | N          | NUMBER        | 7,4           |
| All costs associated with keeping the roads and bridges in operable conditions for use by logging related equipment.                                                                             |               |            |               |               |
| WATER_TRANSPORTATION_COST                                                                                                                                                                        |               | N          | NUMBER        | 5,2           |
| Water transportation cost per cubic metre.                                                                                                                                                       |               |            |               |               |
| ROAD_LAND_USE_DESCRIPTION                                                                                                                                                                        |               | N          | VARCHAR2      | 25            |

|                     |                                       |                    |      |
|---------------------|---------------------------------------|--------------------|------|
| <b>Entity Name:</b> | APPRAISAL_LOG_TRANSPORT_COST (cont'd) | <i>Short Name:</i> | ALTC |
|---------------------|---------------------------------------|--------------------|------|

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

MUST BE IS\_PART\_OF one and only one APPRAISAL\_OPERATING\_COST

**Entity Name:** APPRAISAL\_OPERATING\_COST**Short Name:**

AOC

**Plural:** APP\_OPRNG\_COST**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| TRENDED_SILVICULTURE_COST_PER_M3<br>A calculated value derived from the trend factor times the net present value of the silviculture cost.                                   |               | N          | NUMBER        | 7,4           |
| TRENDED_LOGGING_COST_PER_M3<br>A calculated value derived from the trend factor times the net present value of the logging cost.                                             |               | N          | NUMBER        | 7,4           |
| LOGGING_COST_DIRECT_ENTRY_IND<br>A flag to indicate whether the logging costs have been derived by using computer calculated results or directly entered.                    |               | N          | VARCHAR2      | 1             |
| LOGGING_COST_PER_M3<br>This may be calculated using the total administration, log transportation, development, and tree to truck costs or directly entered.                  |               | N          | NUMBER        | 7,4           |
| SILVICULTURE_DIRECT_ENTRY_IND<br>A flag to indicate whether the silviculture cost has been derived by using computer calculated results or directly entered.                 |               | N          | VARCHAR2      | 1             |
| SILVICULTURE_COST_PER_M3<br>The cost of establishing a new crop of trees. It may be directly entered or computer calculated.                                                 |               | N          | NUMBER        | 7,4           |
| NON_COMMERCIAL_BRUSH_AREA<br>The area of non-commercial brush in a specified timber mark.                                                                                    |               | N          | NUMBER        | 7,1           |
| BASIC_SILVICULTURE_REQUIRED_IND<br>An indication of whether or not basic silviculture costs are to be applied to the appraisal logging cost estimate.                        |               | N          | VARCHAR2      | 1             |
| TENR_OBLGTN_AJSTMNT_COST<br>The final Tenure Obligation Adjustment cost amount. This value is used in the quarterly adjustments calculation.                                 |               | Y          | NUMBER        | 5,2           |
| TENR_OBLGTN_AJSTMNT_MISC_COST<br>A miscellaneous operational cost incurred by a licensee that is not already recognised in the Tenure Obligations Adjustment cost estimates. |               | Y          | NUMBER        | 5,2           |
| TENR_OBLGTN_AJSTMNT_MISC_DESC<br>A description of the tenr_oblgtn_ajstmnt_misc_cost field.                                                                                   |               | Y          | VARCHAR2      | 50            |
| SPECIFIED_OPRTNS_COST<br>The sum of all Specified Operations cost amounts. This value is used in the quarterly adjustment calculation.                                       |               | Y          | NUMBER        | 5,2           |
| SPECIFIED_OPRTNS_MISC_COST<br>A specific operational cost incurred by the licensee that is not already defined in the standard Specified Operations cost estimates.          |               | Y          | NUMBER        | 5,2           |
| SPECIFIED_OPRTNS_MISC_DESC<br>A description of the specified_oprtns_misc_cost field.                                                                                         |               | Y          | VARCHAR2      | 50            |

\* = Attributes in primary unique identifier.

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

|              |                                   |             |     |
|--------------|-----------------------------------|-------------|-----|
| Entity Name: | APPRAISAL_OPERATING_COST (cont'd) | Short Name: | AOC |
|--------------|-----------------------------------|-------------|-----|

MAY BE IS\_ESTIMATED\_FROM one and only one APPRAISAL\_ADMINISTRATION\_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\_FROM 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 APPR\_INTERIOR\_DEVELOPMENT\_COST  
MAY BE IS\_ESTIMATED\_FROM one or more APPINT\_LGTR\_CST  
MAY BE IS\_ESTIMATED\_FROM one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST  
MAY BE IS\_ESTIMATED\_FROM one and only one APPR\_INT\_ADMINISTRATION\_COST  
MAY BE IS\_ESTIMATED\_FROM one and only one APPR\_POST\_LOGGING\_COST  
MAY BE Contains one or more APP\_INT\_SILVICULTURE\_BEC  
MAY BE CONTAINS one and only one APP\_INT\_SILVICULTURE\_CST\_SUMMARY  
MAY BE IS\_ESTIMATED\_FROM one and only one APP\_TREE\_TO\_TRUCK\_COST  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|     |         |   |
|-----|---------|---|
| AOC | 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:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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_METHOD_CODE                                                                                                                                                                                 |               | N          | VARCHAR2      | 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_AMOUNT                                                                                                                                                                                 |               | N          | NUMBER        | 5,2           |
| It is the benchmark against which individual stands of timber are compared.                                                                                                                             |               |            |               |               |
| MINIMUM_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_INDICATOR                                                                                                                                                                                     |               | N          | VARCHAR2      | 1             |
| A flag indicating whether the quarterly adjustment for the effective period has been completed.                                                                                                         |               |            |               |               |
| QUARTERLY_ADJUSTMENT_DATE                                                                                                                                                                               |               | N          | DATE          |               |
| The date the quarterly adjustment was completed. (note: not necessarily the effective date)                                                                                                             |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                                                                                     |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associate quarterly parameter record has been reviewed and approved.                                                                                             |               |            |               |               |
| CONFIRM_TRANSACTION_INDICATOR                                                                                                                                                                           |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not confirmation transactions are to be allowed.                                                                                                                         |               |            |               |               |
| AVERAGE_LMBR_RECOVERY_FACTOR_MAX                                                                                                                                                                        |               | N          | NUMBER        | 5             |
| 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_REDUCTION_RATIO                                                                                                                                                                                    |               | N          | NUMBER        | 3,2           |
| The factor applied to that portion of the upset stumpage rate that exceeds the rate reduction trigger.                                                                                                  |               |            |               |               |
| RATE_REDUCTION_TRIGGER                                                                                                                                                                                  |               | 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

Primary Y

EFFECTIVE\_DATE

APPRAISAL\_METHOD\_CODE

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

Description:

Attributes:

| <u>Name</u>                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * APPRAISAL_REFERENCE_TYPE_CODE                                                                                      |               | N          | VARCHAR2      | 3             |
| The primary key for a code used to identify the purpose of an appraisal (e.g. RP which would stand for Road Permit). |               |            |               |               |
| DESCRIPTION                                                                                                          |               | N          | VARCHAR2      | 120           |
| A summary of the semantic meaning behind the reference type code.                                                    |               |            |               |               |
| EFFECTIVE_DATE                                                                                                       |               | N          | DATE          |               |
| The date on which the reference type becomes effective.                                                              |               |            |               |               |
| EXPIRY_DATE                                                                                                          |               | N          | DATE          |               |
| The date on which the reference type is no longer effective.                                                         |               |            |               |               |
| UPDATE_TIMESTAMP                                                                                                     |               | N          | DATE          |               |
| The date and time the reference type was last updated.                                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                         |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE CONTAINS one or more APP\_WORKSHEET

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                               |         |   |
|-------------------------------|---------|---|
| ARTC                          | Primary | Y |
| APPRAISAL_REFERENCE_TYPE_CODE |         |   |

|                                           |                 |                     |                            |                       |
|-------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_REPLACEMENT |                 |                     | <b>Short Name:</b>         | AR                    |
| <b>Plural:</b>                            | APP_REPLACEMENT |                     |                            |                       |
| <b>Init. Volume:</b>                      | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                           |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_IDENTIFIER                                                                                              |               | N          | VARCHAR2      | 10            |
| Unique identifier for a replacement or reconstruction project within a timber mark.                            |               |            |               |               |
| APRR_PROJECT_DESCRIPTION                                                                                       |               | N          | VARCHAR2      | 20            |
| A brief description of the reconstruction or replacement project to be included in the appraisal.              |               |            |               |               |
| APRR_APPLC_VOLUME                                                                                              |               | N          | NUMBER        | 10            |
| The total volume of logs that will be transported over the replacement or reconstruction project by this mark. |               |            |               |               |
| APRR_PROJECT_COST                                                                                              |               | N          | NUMBER        | 10            |
| The estimated total cost of a reconstruction or replacement project.                                           |               |            |               |               |
| CROWN_PERCENTAGE                                                                                               |               | N          | NUMBER        | 5             |
| 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                                                             | Primary | Y |
| APRR_IDENTIFIER                                                |         |   |
| MUST BE IS_PART_OF one and only one APPRAISAL_DEVELOPMENT_COST |         |   |

**Entity Name:** APPRAISAL\_SECURITY**Short Name:** AS**Plural:** CAS\_APPL\_SECRTY**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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.                                        |               |                          |               |
| UPDATE_HOME_REGION_INDICATOR                                                                                          |               | N VARCHAR2               | 1             |
| A code representing whether or not the user is allowed to update appraisals within their region.                      |               |                          |               |
| READ_HOME_REGION_INDICATOR                                                                                            |               | N VARCHAR2               | 1             |
| A code representing whether or not the user is allowed to read appraisals within their region.                        |               |                          |               |
| READ_ALL_REGIONS_INDICATOR                                                                                            |               | N VARCHAR2               | 1             |
| A code representing whether or not the user is allowed to read appraisals in any region.                              |               |                          |               |
| UPDATE_EDIT_TABLES_INDICATOR                                                                                          |               | N VARCHAR2               | 1             |
| A code representing whether or not the user is allowed to update edit tables.                                         |               |                          |               |
| UPDATE_SECURITY_TABLE_INDICATOR                                                                                       |               | N VARCHAR2               | 1             |
| A code representing whether or not the user is allowed to update the security table.                                  |               |                          |               |
| UPDATE_TRIAL_APPRAISAL_INDICATOR                                                                                      |               | N VARCHAR2               | 1             |
| A code representing whether or not the user is allowed to perform test scenarios.                                     |               |                          |               |
| COMMIT_TRANSACTION_INDICATOR                                                                                          |               | N VARCHAR2               | 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:**

|        |         |   |
|--------|---------|---|
| AS     | Primary | Y |
| USERID |         |   |

|                                                   |             |              |                     |                |
|---------------------------------------------------|-------------|--------------|---------------------|----------------|
| <b>Entity Name:</b> APPRAISAL_SMALL_BUSINESS_ROAD |             |              | Short Name:         | ASBR           |
| Plural:                                           | APP_SB_ROAD |              |                     |                |
| Init. Volume:                                     | 0           | Avg. Volume: | 0                   | Max. Volume: 0 |
|                                                   |             |              | Annual Growth Rate: | 0%             |

*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_IDENTIFIER                                  |               | 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:*

|      |         |   |
|------|---------|---|
| ASBR | Primary | Y |
|------|---------|---|

ROAD\_IDENTIFIER

MUST BE IS\_PART\_OF one and only one APPRAISAL\_DEVELOPMENT\_COST

|                                       |             |                     |                            |                       |
|---------------------------------------|-------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_SPECIES |             |                     | <b>Short Name:</b>         | AS1                   |
| <b>Plural:</b>                        | APP_SPECIES |                     |                            |                       |
| <b>Init. Volume:</b>                  | 0           | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                       |             |                     | <b>Annual Growth Rate:</b> | 0%                    |

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.                                                                                                          |               |            |               |               |
| SPECIES_LUMBER_SELL_PRICE_ZONE                                                                                                                                       |               | N          | NUMBER        | 5             |
| The lumber selling price zone that is applicable for this species.                                                                                                   |               |            |               |               |
| SPECIES_VOLUME                                                                                                                                                       |               | N          | NUMBER        | 10            |
| Total volume of a species found within the total cruise volume.                                                                                                      |               |            |               |               |
| SPECIES_SELLING_PRICE_PER_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_DECAY_PERCENT                                                                                                                                                |               | N          | NUMBER        | 5             |
| Percent decay for all grades of a species.                                                                                                                           |               |            |               |               |
| SPECIES_COMPETITIVE_INDICATOR                                                                                                                                        |               | N          | VARCHAR2      | 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                                                           | Primary | Y |
| HDBS_TREE_SPECIES                                             |         |   |
| MUST BE IS_GENERATED_FOR one and only one APPRAISAL_WORKSHEET |         |   |

**Entity Name:** APPRAISAL\_STUMPAGE\_RATE**Short Name:**

ASR

**Plural:** APP\_STMPG\_RATE**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STUMPAGE_RATE_EFFECTIVE_DATE                                                                                                                                                                 |               | N          | DATE          |               |
| The date on which the stumpage rate becomes effective.                                                                                                                                         |               |            |               |               |
| SILVICULTURE_LEVY_AMOUNT                                                                                                                                                                       |               | 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_AMOUNT                                                                                                                                                                        |               | 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.                                                                                                                                   |               |            |               |               |
| TOTAL_STUMPAGE_RATE_AMOUNT                                                                                                                                                                     |               | 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. |               |            |               |               |
| STUMPAGE_RATE_DIRECT_ENTRY_IN<br>D                                                                                                                                                             |               | N          | VARCHAR2      | 1             |
| A flag indicating whether the stumpage rate is calculated ('N') or directly entered as a fixed ('Y') rate.                                                                                     |               |            |               |               |
| APPRAISAL_BONUS_APPLY_CODE                                                                                                                                                                     |               | N          | VARCHAR2      | 1             |
| A code which determines if bonuses and levies are to be applied to the appraisal.                                                                                                              |               |            |               |               |
| STAND_SELLING_PRICE_PER_M3                                                                                                                                                                     |               | N          | NUMBER        | 5,2           |
| The weighted selling price of all species per cubic metre.                                                                                                                                     |               |            |               |               |
| SILVICULTURE_LEVY_DIRECT_ENTRY                                                                                                                                                                 |               | N          | VARCHAR2      | 1             |
| An indicator to show whether the silviculture levy has been derived using a computer calculated result or directly entered bypassing automated calculations.                                   |               |            |               |               |
| DEVELOPMENT_LEVY_DIRECT_ENTRY                                                                                                                                                                  |               | N          | VARCHAR2      | 1             |
| An indicator to show whether the development levy has been derived using a computer calculated result or directly entered by passing automated calculations.                                   |               |            |               |               |
| MARKET_PRICE_RATE_ENTRY_IND                                                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| A flag indicating whether the market price rate is calculated ('N') or directly entered ('Y').                                                                                                 |               |            |               |               |
| CALCULATED_RATE_DIFFERENTIAL                                                                                                                                                                   |               | 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 BELONG\_TO one and only one APPRAISAL\_WORKSHEET

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ASR Primary Y

STUMPAGE\_RATE\_EFFECTIVE\_DATE

MUST BE BELONG\_TO one and only one APPRAISAL\_WORKSHEET

|                                                    |  |                       |                               |                       |
|----------------------------------------------------|--|-----------------------|-------------------------------|-----------------------|
| <b>Entity Name:</b> APPRAISAL_TAB_CULVERT_COST_EST |  |                       | <b>Short Name:</b> ATCCE      |                       |
| <b>Plural:</b> APP_TB_CLVT_CST                     |  |                       |                               |                       |
| <b>Init. Volume:</b> 0                             |  | <b>Avg. Volume:</b> 0 |                               | <b>Max. Volume:</b> 0 |
|                                                    |  |                       | <b>Annual Growth Rate:</b> 0% |                       |

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          | VARCHAR2      | 1             |
| A code signifying the construction material of the tabulated drainage structure. Valid values are 'C' (circular pipe) and 'L' (log puncheon).                           |               |            |               |               |
| * CIRCULAR_CULVERT_PIPE_DIAMETER                                                                                                                                        |               | N          | NUMBER        | 3,1           |
| Diameter of a metal circular pipe culvert in metres.                                                                                                                    |               |            |               |               |
| * CIRCULAR_PIPE_LENGTH                                                                                                                                                  |               | N          | NUMBER        | 5             |
| The length in metres of the circular culvert to be installed.                                                                                                           |               |            |               |               |
| * ABUTMENT_TYPE_CODE                                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| A code signifying the type of abutment for a wood drainage structure. Valid values are 'D' (double) and 'T' (triple).                                                   |               |            |               |               |
| TABULATED_CULVERT_QUANTITY                                                                                                                                              |               | N          | NUMBER        | 5             |
| The number of culverts of a particular construction material.                                                                                                           |               |            |               |               |
| TABULATED_CULVERT_INSTALLED_COST                                                                                                                                        |               | N          | NUMBER        | 10            |
| 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:

|                                                                    |         |   |
|--------------------------------------------------------------------|---------|---|
| ATCCE                                                              | Primary | Y |
| ABUTMENT_TYPE_CODE                                                 |         |   |
| CIRCULAR_PIPE_LENGTH                                               |         |   |
| CIRCULAR_CULVERT_PIPE_DIAMETER                                     |         |   |
| CULVERT_TYPE_CODE                                                  |         |   |
| MUST BE IS_PART_OF one and only one APPR_INTERIOR_DEVELOPMENT_COST |         |   |

|                      |                              |                            |     |
|----------------------|------------------------------|----------------------------|-----|
| <b>Entity Name:</b>  | APPRAISAL_TRANSPORT_DISTANCE | <b>Short Name:</b>         | ATD |
| <b>Plural:</b>       | APP_TRNSP_DIST               |                            |     |
| <b>Init. Volume:</b> | 0                            | <b>Avg. Volume:</b>        | 0   |
|                      |                              | <b>Max. Volume:</b>        | 0   |
|                      |                              | <b>Annual Growth Rate:</b> | 0%  |

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> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * POINT_OF_APPRAISAL                                                                                                                                                        |               | N          | VARCHAR2      | 4             |
| A code representing the geographic location where the appraised cost estimating ends.<br>This code is a subtable of the BC Location Code in code list.                      |               |            |               |               |
| * POINT_OF_ORIGIN                                                                                                                                                           |               | N          | VARCHAR2      | 4             |
| The code representing geographic locations where logs are off loaded from trucks for<br>water transportation. This code is a subtable of the BC Location Code in code list. |               |            |               |               |
| * APPRAISAL_TRANSPORT_TYPE_CODE                                                                                                                                             |               | N          | VARCHAR2      | 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        | 5             |
| The distance in kilometers between point of origin and point of appraisal.                                                                                                  |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                                                         |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated distance record has been reviewed and<br>approved.                                                                        |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                |               |            |               |               |

Unique Identifiers:

|                               |         |   |
|-------------------------------|---------|---|
| ATD                           | Primary | Y |
| EFFECTIVE_DATE                |         |   |
| APPRAISAL_TRANSPORT_TYPE_CODE |         |   |
| POINT_OF_ORIGIN               |         |   |
| POINT_OF_APPRAISAL            |         |   |

|                      |                            |                            |     |
|----------------------|----------------------------|----------------------------|-----|
| <b>Entity Name:</b>  | APPRAISAL_WEIGHTING_VOLUME | <b>Short Name:</b>         | AWV |
| <b>Plural:</b>       | APP_WEIGHT_VOL             |                            |     |
| <b>Init. Volume:</b> | 0                          | <b>Avg. Volume:</b>        | 0   |
|                      |                            | <b>Max. Volume:</b>        | 0   |
|                      |                            | <b>Annual Growth Rate:</b> |     |

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_VOLUME                                                                               |               | 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\_APPLIES\_TO one and only one APPRAISAL\_WORKSHEET
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                            |         |   |
|------------------------------------------------------------|---------|---|
| AWV                                                        | Primary | Y |
| MUST BE IS_APPLIES_TO one and only one APPRAISAL_WORKSHEET |         |   |

**Entity Name:** APPRAISAL\_WORKSHEET**Short Name:**

AW

**Plural:** APP\_WORKSHEET**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * APPRAISAL_EFFECTIVE_DATE                                                                                                                   |               | N          | DATE          |               |
| The date on which the appraisal becomes effective.                                                                                           |               |            |               |               |
| APPRAISAL_EXPIRY_DATE                                                                                                                        |               | N          | DATE          |               |
| The date on which the worksheet becomes ineffective or outdated.                                                                             |               |            |               |               |
| RECEIVED_BY_DISTRICT_DATE                                                                                                                    |               | N          | DATE          |               |
| The date on which the appraisal was received by the district from the licensee.                                                              |               |            |               |               |
| SENT_TO_REGION_DATE                                                                                                                          |               | N          | DATE          |               |
| The date on which the appraisal was sent from the district to the region.                                                                    |               |            |               |               |
| ORIGINAL_EXPIRY_DATE                                                                                                                         |               | N          | DATE          |               |
| The date on which the original appraisal was to expire at the time of confirmation.                                                          |               |            |               |               |
| TOTAL_MERCHANTABLE_AREA                                                                                                                      |               | N          | NUMBER        | 7,1           |
| The total area designated for timber harvesting within a timber mark.                                                                        |               |            |               |               |
| SPECIFIED_OPERATION_INDICATOR                                                                                                                |               | N          | VARCHAR2      | 1             |
| An indicator that allows the entry of additional cost information on subsequent screens.                                                     |               |            |               |               |
| ACCESSIBILITY_CODE                                                                                                                           |               | N          | VARCHAR2      | 1             |
| A code indicating whether the mark is accessible or not. Valid values are A = Accessible and N = Non-accessible.                             |               |            |               |               |
| REMOTENESS_INDICATOR                                                                                                                         |               | N          | VARCHAR2      | 1             |
| A flag to indicate that this is a remote operation.                                                                                          |               |            |               |               |
| APPRAISAL_METHOD_CODE                                                                                                                        |               | N          | VARCHAR2      | 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          | VARCHAR2      | 1             |
| An indication as to whether or not a particular timber mark is in the Small Business Forest Enterprise Program.                              |               |            |               |               |
| MVI_ELIGIBLE_INDICATOR                                                                                                                       |               | N          | VARCHAR2      | 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_QUARTERLY_INDICATOR                                                                                                                   |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not a quarterly adjustment needs to be performed on the timber mark.                                          |               |            |               |               |
| POINT_OF_APPRAISAL_CODE                                                                                                                      |               | N          | VARCHAR2      | 4             |
| The geographic destination to which the appraised cost estimate applies signified by a letter code.                                          |               |            |               |               |
| OTHERS_TIED_TO_CODE                                                                                                                          |               | 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_QTY                                                                                                                        |               | 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             |

| <b>Entity Name:</b>                                                                                                                                                                                                                        | <b>APPRAISAL_WORKSHEET (cont'd)</b> | <b>Short Name:</b> | <b>AW</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-----------|
| 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_STATUS_CODE                                                                                                                                                                                                                      | N                                   | VARCHAR2           | 3         |
| A code that shows the current status of the appraisal (eg. CON = Confirmed).                                                                                                                                                               |                                     |                    |           |
| INTERIOR_DECIDUOUS_VOLUME                                                                                                                                                                                                                  | N                                   | NUMBER             | 10        |
| 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. |                                     |                    |           |
| ORIGINAL_CONFIRMED_TIMESTAMP                                                                                                                                                                                                               | N                                   | TIMESTAMP          |           |
| The date and time that the worksheet was originally confirmed.                                                                                                                                                                             |                                     |                    |           |
| ORIGINAL_CONFIRMED_USERID                                                                                                                                                                                                                  | N                                   | VARCHAR2           | 8         |
| The userid of the person who made the original confirmation.                                                                                                                                                                               |                                     |                    |           |
| RATE_CALCULATION_METHOD_CODE                                                                                                                                                                                                               | N                                   | VARCHAR2           | 3         |
| Identifies the calculation method used to establish stumpage rates.                                                                                                                                                                        |                                     |                    |           |
| DISCOUNT_PERCENT                                                                                                                                                                                                                           | N                                   | NUMBER             | 5         |
| The discount percentage that applies to the stumpage rate for a given timber sale.                                                                                                                                                         |                                     |                    |           |
| CALCULATED_NUMBER_OF_BIDDERS                                                                                                                                                                                                               | N                                   | NUMBER             | 5,1       |
| The calculated number of bidders based on trends that are predicted to bid on the sale.                                                                                                                                                    |                                     |                    |           |
| TOTAL_OBLIGATION_ADJUSTMENT_I<br>ND                                                                                                                                                                                                        | N                                   | VARCHAR2           | 1         |
| An indicator as to whether or not Total Obligation Adjustment applies to this Timber Mark.                                                                                                                                                 |                                     |                    |           |
| SALVAGE_RATE_INDICATOR                                                                                                                                                                                                                     | N                                   | VARCHAR2           | 1         |
| Indicates salvage rates will be applied in the appraisal.                                                                                                                                                                                  |                                     |                    |           |
| COMPARATIVE_CRUISE_INDICATOR                                                                                                                                                                                                               | N                                   | VARCHAR2           | 1         |
| Indicates whether this appraisal is based on comparative cruise data or not.                                                                                                                                                               |                                     |                    |           |
| MAJOR_CENTER_DIST                                                                                                                                                                                                                          | N                                   | NUMBER             | 10        |
| CRUISE_GRADES_IND                                                                                                                                                                                                                          | N                                   | VARCHAR2           | 1         |
| POINT OF APPRAISAL DISTANCE                                                                                                                                                                                                                | Y                                   | NUMBER             | 4         |
| Distance to Point-of-Appraisal.                                                                                                                                                                                                            |                                     |                    |           |
| DECKED_VOLUME                                                                                                                                                                                                                              | Y                                   | NUMBER             | 7         |
| Volume of the timber sale that has been felled and decked                                                                                                                                                                                  |                                     |                    |           |
| NET AREA REFORESTED                                                                                                                                                                                                                        | Y                                   | NUMBER             | 7,1       |
| The total net area within the cutting authority area designated for basic silviculture.                                                                                                                                                    |                                     |                    |           |
| * = Attributes in primary unique identifier.                                                                                                                                                                                               |                                     |                    |           |

## Relationships:

### Each Occurrence Of This Entity:

MAY BE CONTAINS one or more APP SPECIES DAMAGE VOLUME

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 IS PART OF one and only one APPRAISAL\_REFERENCE\_TYPE\_CODE

|                     |                              |                    |    |
|---------------------|------------------------------|--------------------|----|
| <b>Entity Name:</b> | APPRAISAL_WORKSHEET (cont'd) | <i>Short Name:</i> | AW |
|---------------------|------------------------------|--------------------|----|

MAY BE GENERATES one or more APP\_SPECIES  
MUST BE ESTIMATES one or more APP\_STMPG\_RATE  
MAY BE CONTAINS one and only one APPRAISAL\_WEIGHTING\_VOLUME  
MAY BE CONTAINS one or more APP\_SPP\_SP\_PROD  
\* MUST BE IS\_PREPARED\_FOR one and only one TIMBER\_MARK  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|    |         |   |
|----|---------|---|
| AW | Primary | Y |
|----|---------|---|

MUST BE IS\_PREPARED\_FOR one and only one TIMBER\_MARK  
APPRAISAL\_EFFECTIVE\_DATE

|                                                  |               |                     |                            |                       |
|--------------------------------------------------|---------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_BASIC_SILVICULTURE_COST |               |                     | <b>Short Name:</b>         | ABSC                  |
| <b>Plural:</b>                                   | APP_SILV_COST |                     |                            |                       |
| <b>Init. Volume:</b>                             | 1             | <b>Avg. Volume:</b> | 1                          | <b>Max. Volume:</b> 1 |
|                                                  |               |                     | <b>Annual Growth Rate:</b> | 0%                    |

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        | 5             |
| 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.                                                                                          |               |            |               |               |
| NON_COMMERCIAL_BRUSH_AREA                                                                                                                                       |               | N          | NUMBER        | 7,1           |
| The non-timbered area for the mark requiring basic silviculture.                                                                                                |               |            |               |               |
| LOCAL_NETDOWN_FACTOR_PERCENT                                                                                                                                    |               | N          | NUMBER        | 7,4           |
| A factor for reducing total area requiring silviculture as a result of logging activities.                                                                      |               |            |               |               |
| SILVICULTURE_COST_ESTIMATE                                                                                                                                      |               | 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_FACTOR                                                                                                                                           |               | N          | NUMBER        | 5             |
| A factor applied to the silviculture cost estimate to reflect the volume of timber removed from the treament 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:

|                                                                      |         |   |
|----------------------------------------------------------------------|---------|---|
| ABSC                                                                 | Primary | Y |
| SEQUENCE_NUMBER                                                      |         |   |
| TREATMENT_REGIME                                                     |         |   |
| MUST BE IS_PART_OF one and only one APP_INT_SILVICULTURE_CST_SUMMARY |         |   |

|                                                   |                 |                     |                            |                       |
|---------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_BASIC_SILV_COST_M3_TABLE |                 |                     | <b>Short Name:</b>         | ABSCMT                |
| <b>Plural:</b>                                    | APP_BSILV_M3TBL |                     |                            |                       |
| <b>Init. Volume:</b>                              | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                   |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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.<br>Applicable to Appraisal Worksheets with Appraisal Effective Date on or after the Effective Date. |               |            |               |               |
| * BGC_ZONE                                                                                                                                                                                |               | N          | VARCHAR2      | 4             |
| * BGC_SUBZONE                                                                                                                                                                             |               | N          | VARCHAR2      | 3             |
| * BGC_VARIANT                                                                                                                                                                             |               | N          | VARCHAR2      | 1             |
| COMMITTED_INDICATOR                                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| An indication to whether or not the Basic Silviculture Cost Estimate per cubic metre has been reviewed and approved.                                                                      |               |            |               |               |
| BASIC_SILVICULTURE_COST_PER_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.                                                                                                                                              |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE IS\_LOCATED\_IN one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                 |         |   |
|-------------------------------------------------|---------|---|
| ABSCMT                                          | Primary | Y |
| BGC_SUBZONE                                     |         |   |
| BGC_VARIANT                                     |         |   |
| BGC_ZONE                                        |         |   |
| EFFECTIVE_DATE                                  |         |   |
| MUST BE IS_LOCATED_IN one and only one ORG_UNIT |         |   |

|                                                  |                 |                     |                            |                       |
|--------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_CATTLE_GUARD_FENCE_COST |                 |                     | <b>Short Name:</b>         | ACGFC                 |
| <b>Plural:</b>                                   | AP_CTLGDFNC_CST |                     |                            |                       |
| <b>Init. Volume:</b>                             | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                  |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

Description:

The number of cattle guards and 100-metre sections of fence (either wing fence or remedial) for the mark, andtheir 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> |
|----------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| NUMBER_OF_CATTLE_GUARDS                                                    |               | N          | NUMBER        | 5             |
| The number of cattle guards for the mark.                                  |               |            |               |               |
| CATTLE_GUARD_TOTAL_COST                                                    |               | N          | NUMBER        | 10            |
| The dollar cost of all cattle guards for the mark.                         |               |            |               |               |
| NUMBER_OF_FENCES                                                           |               | N          | NUMBER        | 5             |
| The number of 100 metre lengths (wing and/or remedial fence) for the mark. |               |            |               |               |
| FENCE_TOTAL_COST                                                           |               | N          | NUMBER        | 10            |
| The dollar cost of all fencing (wing and/or remedial) for the mark.        |               |            |               |               |
| NUMBER_PIPELINE_CROSSINGS                                                  |               | N          | NUMBER        | 5             |
| Number of appraised single pipeline crossings per mark.                    |               |            |               |               |
| PIPE_CROSSING_TOTAL_COST                                                   |               | N          | NUMBER        | 10            |
| Total cost of pipeline crossings per mark                                  |               |            |               |               |
| NUMBER_MULTIPLE_PIPE_CROSSINGS                                             |               | Y          | NUMBER        | 5             |
| Number of appraised multiple pipeline crossings.                           |               |            |               |               |
| * = 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:

|                                                                    |         |   |
|--------------------------------------------------------------------|---------|---|
| ACGFC                                                              | Primary | Y |
| MUST BE IS_PART_OF one and only one APPR_INTERIOR_DEVELOPMENT_COST |         |   |

|                      |                                |                     |   |                            |      |
|----------------------|--------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | APPR_GROUND_SKIDDING_SELECTIVE |                     |   | <b>Short Name:</b>         | AGSS |
| <b>Plural:</b>       | APPR_GRND_SEL                  |                     |   |                            |      |
| <b>Init. Volume:</b> | 0                              | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0    |
|                      |                                |                     |   | <b>Annual Growth Rate:</b> | 0%   |

**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> |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| SELECTIVE_GROUND_SKIDDING_VOLUME                                                                                                       |               | N          | NUMBER        | 10            |
| 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.                                                        |               |            |               |               |
| VOLUME_PER_HECTARE_M3                                                                                                                  |               | N          | NUMBER        | 9,2           |
| The average net merchantable volume per hectare for the area to being selectively logged.                                              |               |            |               |               |
| AVERAGE_SIDE_SLOPE_PERCENT                                                                                                             |               | N          | NUMBER        | 5             |
| The unweighted average of the maximum side slopes of all cruise plots situated within the area to be selectively logged.               |               |            |               |               |
| BLOWDOWN_PERCENT                                                                                                                       |               | N          | NUMBER        | 5             |
| The percent of net volume that is not standing due to natural causes within the area to be selectively logged.                         |               |            |               |               |
| HEAVY_FIRE_DAMAGE_PERCENT                                                                                                              |               | N          | NUMBER        | 5             |
| The percent of net volume that is heavily damaged by fire for the area to be selectively logged.                                       |               |            |               |               |
| DEAD_USELESS_SNAGS_PERCENT                                                                                                             |               | N          | NUMBER        | 5             |
| The percentage of snags in relation to the sum of conifer stems and snags for the area to be selectively logged.                       |               |            |               |               |
| CRAWLER_TRACTOR_SKIDDING_PERCENT                                                                                                       |               | N          | NUMBER        | 5             |
| The percentage of selectively logged timber by crawler tractor skidding.                                                               |               |            |               |               |
| SOFT_TRACK_SKIDDING_PERCENT                                                                                                            |               | N          | NUMBER        | 5             |
| The percentage of selectively logged timber by soft track skidding.                                                                    |               |            |               |               |
| SELECTIVE_LOGGING_PERCENT                                                                                                              |               | N          | NUMBER        | 5             |
| 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. |               |            |               |               |
| STANDING_DEFECTIVE_PERCENTAGE                                                                                                          |               | N          | NUMBER        | 5             |
| The percent of gross decay, waste, and breakage percent for the area to be logged by ground skidding selective cut method.             |               |            |               |               |
| LOW_GROUND_PRESSURE_PERCENT                                                                                                            |               | N          | NUMBER        | 5             |
| 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 MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

AGSS Primary Y

|                     |                                         |                    |      |
|---------------------|-----------------------------------------|--------------------|------|
| <b>Entity Name:</b> | APPR_GROUND_SKIDDING_SELECTIVE (cont'd) | <b>Short Name:</b> | AGSS |
|---------------------|-----------------------------------------|--------------------|------|

*MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST*

|                                   |               |                     |                            |                       |
|-----------------------------------|---------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_HDBS_TXN |               |                     | <b>Short Name:</b>         | AHT                   |
| <b>Plural:</b>                    | APPR_HDBS_TXN |                     |                            |                       |
| <b>Init. Volume:</b>              | 0             | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                   |               |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|----------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| HDBS_ACTION_ACODE                                                                                        |               | N          | VARCHAR2      | 1             |
| The type of transaction that occurred. Valid values are: a - add, c - change, d - delete, r - reactivate |               |            |               |               |
| SEND_TXN_IND                                                                                             |               | N          | VARCHAR2      | 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.                                                             |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE CONTAINS one and only one TIMBER\_MARK

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                 |         |   |
|-----------------|---------|---|
| AHT             | Primary | Y |
| ENTRY_TIMESTAMP |         |   |

**Entity Name:** APPR\_ICE\_BRIDGE\_SILVICULTURE\_CST**Short Name:** AIBSC**Plural:** APP\_IBRSILV\_CST**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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.                       |               |            |               |               |
| NON_COMMERCIAL_BRUSH_AREA                                                                                                    |               | N          | NUMBER        | 7,1           |
| The non-timbered area for the mark requiring basic silviculture, that is accessed by ice bridge.                             |               |            |               |               |
| LOCAL_NETDOWN_FACTOR_PERCENT                                                                                                 |               | 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_BRIDGE_SILVICULTURE_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:**

AIBSC Primary Y

TREATMENT\_REGIME

MUST BE IS\_PART\_OF one and only one APP\_INT\_SILVICULTURE\_CST\_SUMMARY

**Entity Name:** APPR\_INTERIOR\_DEVELOPMENT\_COST**Short Name:**

AIDC

**Plural:** APPINT\_DEV\_COST**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| TABULATED_ROAD_LENGTH                                                                                |               | N          | NUMBER        | 5,2           |
| Total length of all tabulated roads within the timber mark.                                          |               |            |               |               |
| TABULATED_ROAD_COST                                                                                  |               | N          | NUMBER        | 9,2           |
| The total cost to develop all indicated tabulated roads.                                             |               |            |               |               |
| TABULATED_BRIDGE_COST                                                                                |               | N          | NUMBER        | 9,2           |
| Total tabulated bridge cost for the timber mark.                                                     |               |            |               |               |
| TABULATED_CULVERT_COST                                                                               |               | N          | NUMBER        | 9,2           |
| Total tabulated culvert cost for the timber mark.                                                    |               |            |               |               |
| CATTLE_GUARD_FENCE_COST                                                                              |               | N          | NUMBER        | 7,2           |
| Total cattle guard and fence cost for the timber mark.                                               |               |            |               |               |
| RECONSTRUCTION_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.                                                       |               |            |               |               |
| TABULATED_CULVERT_APPLICABLE_VOL                                                                     |               | N          | NUMBER        | 10            |
| Total volume over which the total culvert cost is to be divided. (Not necessarily tied to one mark). |               |            |               |               |

\* = Attributes in primary unique identifier.

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

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 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\_LWR\_RCN\_CST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

AIDC

Primary Y

MUST BE IS\_PART\_OF one and only one APPRAISAL\_OPERATING\_COST

**Entity Name:** APPR\_INTERIOR\_LOG\_TRANSPORT\_COS**Short Name:** AILTC**Plural:** APPINT\_LGTR\_CST**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * TRANSPORTATION_TYPE_CD                                                                                                                                                                                                |               | N VARCHAR2               | 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_METHOD_CODE                                                                                                                                                                                                  |               | N VARCHAR2               | 1             |
| A code signifying the truck hauling method. Valid values are 'H' (Highway) and 'O'(Off-Highway).                                                                                                                        |               |                          |               |
| PRIMARY_CYCLE_TIME_HOURS                                                                                                                                                                                                |               | N NUMBER                 | 3,1           |
| The total round trip time to the point of unloading.                                                                                                                                                                    |               |                          |               |
| PRIMARY_LOAD_MINUTES                                                                                                                                                                                                    |               | N NUMBER                 | 5             |
| The time in hours for primary haul to load.                                                                                                                                                                             |               |                          |               |
| PRIMARY_UNLOAD_MINUTES                                                                                                                                                                                                  |               | N NUMBER                 | 5             |
| The time in hours for the primary haul to unload.                                                                                                                                                                       |               |                          |               |
| PRIMARY_UNAVOIDABLE_DELAY_MINUTE                                                                                                                                                                                        |               | N NUMBER                 | 5             |
| The time in hours anticipated for unavoidable delay for the primary haul.                                                                                                                                               |               |                          |               |
| ROAD_MAINTENANCE_INDICATOR                                                                                                                                                                                              |               | N VARCHAR2               | 1             |
| Shows whether or not road maintenance costs will be allowed within the identified timber mark.                                                                                                                          |               |                          |               |
| SECONDARY_CYCLE_TIME_HOURS                                                                                                                                                                                              |               | N NUMBER                 | 3,1           |
| The total round trip time to the point of unloading. Used in secondary haul cost estimate calculation.                                                                                                                  |               |                          |               |
| SECONDARY_HAUL_DISTANCE_KM                                                                                                                                                                                              |               | N NUMBER                 | 5,1           |
| The distance between reload point to the next point of unloading.                                                                                                                                                       |               |                          |               |
| SECONDARY_HAUL_COST_PER_M3                                                                                                                                                                                              |               | N NUMBER                 | 5,2           |
| The overall cost per m3 for truck haul from the reload point to the point of unloading.                                                                                                                                 |               |                          |               |
| SECONDARY_LOAD_MINUTES                                                                                                                                                                                                  |               | N NUMBER                 | 5             |
| The time in minutes for secondary haul to load.                                                                                                                                                                         |               |                          |               |
| SECONDARY_UNLOAD_MINUTES                                                                                                                                                                                                |               | N NUMBER                 | 5             |
| The time in minutes for the secondary haul to unload.                                                                                                                                                                   |               |                          |               |
| SECONDARY_UNAVOIDABLE_DELAY_MINS                                                                                                                                                                                        |               | N NUMBER                 | 5             |
| The time in minutes anticipated for unavoidable delay for the secondary haul.                                                                                                                                           |               |                          |               |
| HAUL_SPECIES_TYPE_CODE                                                                                                                                                                                                  |               | N NUMBER                 | 5             |
| For situations where cycle time detail is required, this number represents the species type to be used for calculations.                                                                                                |               |                          |               |
| HAUL_VOLUME_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_DECAY_WASTE_BREAKAGE_PERCENT                                                                                                                                                                                       |               | N NUMBER                 | 5             |
| For situations where cycle time details is required, this represents the decay, waste, and breakage percentage to be used in calculations.                                                                              |               |                          |               |

| <b>Entity Name:</b>                                                                                                                                     | <b>APPR_INTERIOR_LOG_TRANSPORT_COS (cont'd)</b> | <b>Short Name:</b> | <b>AILTC</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|--------------|
| LAKE_TOW_DISTANCE_KM                                                                                                                                    | N NUMBER                                        | 5                  |              |
| A one-way tow distance between the dumping site and the de-watering site.                                                                               |                                                 |                    |              |
| TRUCK_HAUL_COST_PER_M3                                                                                                                                  | N NUMBER                                        | 7,4                |              |
| LAKE_TOW_COST_PER_M3                                                                                                                                    | N NUMBER                                        | 5,2                |              |
| A one-way tow distance between the dumping site and the de-watering site.                                                                               |                                                 |                    |              |
| ROAD_MAINTENANCE_COST_PER_M3                                                                                                                            | N NUMBER                                        | 5,2                |              |
| The cost allowance per m3 for road maintenance.                                                                                                         |                                                 |                    |              |
| ROAD_LAND_USE_CHARGE_PER_M3                                                                                                                             | N NUMBER                                        | 5,2                |              |
| The fee per cubic metre to be charged for using private lands or roads.                                                                                 |                                                 |                    |              |
| TOTAL_WATER_TRANSPORT_COST_M3                                                                                                                           | N NUMBER                                        | 5,2                |              |
| The total water transportation cost per m3: the sum of all Appraisal_Water_Transport_Cost allowances.                                                   |                                                 |                    |              |
| TOTAL_SPECIAL_TRANSPORT_COST_M3                                                                                                                         | N NUMBER                                        | 5,2                |              |
| The total special transport costs for log transport: the sum of all Appr_Special_Transport_Cost allowances.                                             |                                                 |                    |              |
| DUMP_BOOM_INDICATOR                                                                                                                                     | N VARCHAR2                                      | 1                  |              |
| An indication as to whether or not dump and booming is required as part of the log transportation.                                                      |                                                 |                    |              |
| DEWATER_INDICATOR                                                                                                                                       | N VARCHAR2                                      | 1                  |              |
| An indication as to whether or not an allowance for dewater unloading is to be factored into the log transportation costs.                              |                                                 |                    |              |
| RELOAD_INDICATOR                                                                                                                                        | N VARCHAR2                                      | 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_TRANSPORT_VOLUME_M3                                                                                                                                 | N NUMBER                                        | 7                  |              |
| The volume in cubic metres of timber of timber to be transported on a log transportation system.                                                        |                                                 |                    |              |
| ROAD_LAND_USE_DESCRIPTION                                                                                                                               | 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\_FROM one or more APR\_CYC\_TME\_DTL

\* MUST BE IS\_PART\_OF one and only one APPRAISAL\_OPERATING\_COST

MAY BE IS\_CALCULATED\_FROM one or more APP\_SPCLTRN\_CST

\* = Relationships in primary unique identifier.

### Unique Identifiers:

AILTC Primary Y

TRANSPORTATION\_TYPE\_CD

MUST BE IS\_PART\_OF one and only one APPRAISAL\_OPERATING\_COST

**Entity Name:** APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COS**Short Name:** AITTTTC**Plural:** APPINT\_TTT\_COST**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| DISTANCE_TO_MARSHALLING_POINT                                                                                                                                                                                                                            |               | N          | NUMBER        | 5             |
| The distance from the timber mark to the marshalling point.                                                                                                                                                                                              |               |            |               |               |
| DISTANCE_TO_SERVICE_CENTRE                                                                                                                                                                                                                               |               | N          | NUMBER        | 5             |
| Distance from the timber mark to the service centre.                                                                                                                                                                                                     |               |            |               |               |
| TTT_CONVENTIONAL_COST_M3                                                                                                                                                                                                                                 |               | N          | NUMBER        | 7,4           |
| Total cost per cubic metre for logs utilizing conventional tree to truck methods.                                                                                                                                                                        |               |            |               |               |
| TTT_CBL_YARDING_COST_M3                                                                                                                                                                                                                                  |               | 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_HELICOPTER_COST_M3                                                                                                                                                                                                                                   |               | N          | NUMBER        | 7,4           |
| Total cost per cubic metre for logs utilizing helicopter tree to truck methods.                                                                                                                                                                          |               |            |               |               |
| TTT_HORSE_LOGGING_COST_M3                                                                                                                                                                                                                                |               | N          | NUMBER        | 7,4           |
| Total cost per cubic metre for logs utilizing horse logging tree to truck methods.                                                                                                                                                                       |               |            |               |               |
| SPECIFIED_OPERATION_DESCRIPTION                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 20            |
| This field represents the textual qualification for an entered specified operation.                                                                                                                                                                      |               |            |               |               |
| SPECIFIED_OPERATION_COST_M3                                                                                                                                                                                                                              |               | N          | NUMBER        | 5,2           |
| This field represents the dollar per cubic metre cost for a specified operation.                                                                                                                                                                         |               |            |               |               |
| APPRAISAL_SERVICE_CENTRE_ST                                                                                                                                                                                                                              |               | N          | VARCHAR2      | 4             |
| A code signifying a designated location that supplies major heavy equipment parts and service.                                                                                                                                                           |               |            |               |               |
| MARSHALLING_POINT_ST                                                                                                                                                                                                                                     |               | N          | VARCHAR2      | 4             |
| A code signifying the closest point where the labour supply for the mark could come from.                                                                                                                                                                |               |            |               |               |
| SPECIFIED_OPERATION_VOLUME                                                                                                                                                                                                                               |               | N          | NUMBER        | 10            |
| The volume in cubic metres of logs that are handled by the specified operation of the tree to truck phase.                                                                                                                                               |               |            |               |               |
| APPRAISAL_SUPPORT_CENTRE_ST                                                                                                                                                                                                                              |               | N          | VARCHAR2      | 4             |
| Closest centre to the cutting authority being appraised where support services can be provided.                                                                                                                                                          |               |            |               |               |
| DISTANCE_TO_SUPPORT_CENTRE                                                                                                                                                                                                                               |               | N          | NUMBER        | 5             |
| Distance in kilometres to the closest support centre.                                                                                                                                                                                                    |               |            |               |               |
| TTT_SELECTIVE_COST_M3                                                                                                                                                                                                                                    |               | N          | NUMBER        | 7,2           |
| Total cost per cubic metre for logs utilizing ground skidding selective cut tree to truck methods.                                                                                                                                                       |               |            |               |               |
| TTT_CABLE_YARD_PARTIAL_CUT_CO<br>ST                                                                                                                                                                                                                      |               | 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_YARDING_COST_M3                                                                                                                                                                                                                              |               | N          | NUMBER        | 7,2           |
| Total cost per cubic metre for logs utilized by skyline yarding method for clear cutting.                                                                                                                                                                |               |            |               |               |
| SKYLINE_PARTIAL_CUTTING_COST                                                                                                                                                                                                                             |               | N          | NUMBER        | 7,2           |
| Total cost per cubic metre for logs utilized by skyline yarding method for partial cutting.                                                                                                                                                              |               |            |               |               |
| ACCESSIBLE_CAMP_INDICATOR                                                                                                                                                                                                                                |               | N          | VARCHAR2      | 1             |

|                     |                                           |                    |        |
|---------------------|-------------------------------------------|--------------------|--------|
| <b>Entity Name:</b> | APPR_INTERIOR_TREE_TO_TRUCK_COS' (cont'd) | <b>Short Name:</b> | AITTTC |
|---------------------|-------------------------------------------|--------------------|--------|

An indication of whether or not the cutting authority is accessible from a camp.

|                                |   |        |     |
|--------------------------------|---|--------|-----|
| TTT_HELICOPTER_PARTIAL_CUT_COS | N | NUMBER | 7,2 |
| T                              |   |        |     |

Total tree to truck cost per cubic metre for logs harvested by helicopter partial cut method.

\* = *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 IS\_MODIFIED\_BY one and only one APPR\_GROUND\_SKIDDING\_SELECTIVE
- MAY BE IS\_MODIFIED\_BY one and only one APPR\_TREE\_TO\_TRUCK\_CBL\_YARD\_VARS
- MAY BE IS\_MODIFIED\_BY one and only one APPR\_TREE\_TO\_TRUCK\_CONVENT\_VARS
- MAY BE IS\_MODIFIED\_BY one or more APP\_TTT\_OTH\_CST
- MAY BE IS\_MODIFIED\_BY one and only one SKYLINE\_YARDING
- MAY BE IS\_MODIFIED\_BY one and only one TREE\_TO\_TRUCK\_CBL\_YARD\_PART\_CUT

\* = *Relationships in primary unique identifier.*

Unique Identifiers:

|        |         |   |
|--------|---------|---|
| AITTTC | Primary | Y |
|--------|---------|---|

MUST BE IS\_PART\_OF one and only one APPRAISAL\_OPERATING\_COST

**Entity Name:** APPR\_INT\_ADMINISTRATION\_COST**Short Name:**

AIAC

**Plural:** APPINT\_ADMN\_CST**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| ACCOMMODATION_INDICATOR                                                                                                                                                                                               |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not accomodation is accessible.                                                                                                                                                        |               |            |               |               |
| MARSHALLING_POINT_TRAVEL_IND                                                                                                                                                                                          |               | N          | VARCHAR2      | 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. |               |            |               |               |
| GENERAL_ADMIN_COST_PER_M3                                                                                                                                                                                             |               | N          | NUMBER        | 5,2           |
| The cost per m3 for general administration for the mark.                                                                                                                                                              |               |            |               |               |
| OPERATIONAL_COST_PER_M3                                                                                                                                                                                               |               | N          | NUMBER        | 5,2           |
| The cost per m3 for operational costs for the mark.                                                                                                                                                                   |               |            |               |               |
| ACCOMODATION_COST_PER_M3                                                                                                                                                                                              |               | N          | NUMBER        | 5,2           |
| The accomodation cost per m3 for the mark.                                                                                                                                                                            |               |            |               |               |
| ADMINISTRATION_SPECIFIED_OP_DES<br>C                                                                                                                                                                                  |               | N          | VARCHAR2      | 25            |
| A description of the admin specified operation cost. The descrption is the reason for directly entering the cost.                                                                                                     |               |            |               |               |
| ADMIN_SPECIFIED_OP_COST_PER_M3                                                                                                                                                                                        |               | N          | NUMBER        | 5,2           |
| A cost estimate determined for a specified administration operation (see ADMINISTRATION_SPECIFIED OP COST).                                                                                                           |               |            |               |               |
| LOW_VOLUME_ADDITIVE_COST_PER_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.                                                                                                |               |            |               |               |
| ISOLATED_CUTTING_LOCATION_COD<br>E                                                                                                                                                                                    |               | N          | VARCHAR2      | 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.                                                       |               |            |               |               |
| ISOLATED_CUTTING_COST_PER_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.              |               |            |               |               |
| VOLUME_PER_TREE_M3                                                                                                                                                                                                    |               | N          | NUMBER        | 3,2           |
| Average net merchantable volume per tree for cable yarding logging methods.                                                                                                                                           |               |            |               |               |
| VOLUME_PER_HECTACRE_M3                                                                                                                                                                                                |               | N          | NUMBER        | 9,2           |
| Average net merchantable volume per hectare of the area to be logged by overhead cable yarding.                                                                                                                       |               |            |               |               |
| AVERAGE_SIDE_SLOPE_PERCENT                                                                                                                                                                                            |               | N          | NUMBER        | 3             |
| The unweighted average of the maximum side slopes of all cruise plots situated within the area to be logged by cable yarding methods.                                                                                 |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

|                     |                                       |                    |      |
|---------------------|---------------------------------------|--------------------|------|
| <b>Entity Name:</b> | APPR_INT_ADMINISTRATION_COST (cont'd) | <i>Short Name:</i> | AIAC |
|---------------------|---------------------------------------|--------------------|------|

- \* MUST BE IS\_PART\_OF one and only one APPRAISAL\_OPERATING\_COST
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                              |         |   |
|--------------------------------------------------------------|---------|---|
| AIAC                                                         | Primary | Y |
| MUST BE IS_PART_OF one and only one APPRAISAL_OPERATING_COST |         |   |

|                                                    |                 |                     |                            |                       |
|----------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_INT_TABULATED_BRIDGE_COST |                 |                     | <b>Short Name:</b>         | AITBC                 |
| <b>Plural:</b>                                     | APPINT_TBBR_CST |                     |                            |                       |
| <b>Init. Volume:</b>                               | 1               | <b>Avg. Volume:</b> | 1                          | <b>Max. Volume:</b> 1 |
|                                                    |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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        | 5             |
| Length of the identified bridge in metres.                                          |               |            |               |               |
| BRIDGE_CRIB_HEIGHT                                                                  |               | N          | NUMBER        | 5             |
| The average height of the identified bridge in metres.                              |               |            |               |               |
| BRIDGE_APPLICABLE_VOLUME                                                            |               | N          | NUMBER        | 10            |
| Total volume of logs that will be transported over the identified tabulated bridge. |               |            |               |               |
| BRIDGE_APPLICABLE_COST                                                              |               | N          | NUMBER        | 10            |
| 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:

|                                                                    |         |   |
|--------------------------------------------------------------------|---------|---|
| AITBC                                                              | Primary | Y |
| BRIDGE_ID                                                          |         |   |
| MUST BE IS_PART_OF one and only one APPR_INTERIOR_DEVELOPMENT_COST |         |   |

**Entity Name:** APPR\_INT\_TABULATED\_ROAD\_DETAIL**Short Name:** AITRD**Plural:** APPINT\_TBRD\_DTL**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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_NUMBER                                                                                                                                                                                                                    |               | N          | NUMBER        | 5             |
| 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          | VARCHAR2      | 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_MOISTURE_TYPE_CODE                                                                                                                                                                                                                  |               | N          | VARCHAR2      | 1             |
| A general description of the moisture content of the soil based on drainage pattern and vegetation.                                                                                                                                      |               |            |               |               |
| UPHILL_SIDE_SLOPE_PERCENTAGE                                                                                                                                                                                                             |               | N          | NUMBER        | 5             |
| 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_CATEGORY_CODE                                                                                                                                                                                                                  |               | N          | VARCHAR2      | 1             |
| Construction category is determined on the basis of the representative rock and other materials used in the subgrade.                                                                                                                    |               |            |               |               |
| BOULDER_PERCENT                                                                                                                                                                                                                          |               | N          | NUMBER        | 5             |
| A cost additive for road construction and landings when there is a significant percentage of boulders in the section.                                                                                                                    |               |            |               |               |
| STABILIZING_MATERIAL_CODE                                                                                                                                                                                                                |               | N          | VARCHAR2      | 1             |
| A code used to represent the type of materials used to stabilize the road. Valid types are 'G' (Gravel) and 'R' (Rock).                                                                                                                  |               |            |               |               |
| STABILIZING_LENGTH                                                                                                                                                                                                                       |               | N          | NUMBER        | 3,1           |
| The length of road section requiring stabilizing material.                                                                                                                                                                               |               |            |               |               |
| STABILIZING_HAUL_DISTANCE                                                                                                                                                                                                                |               | N          | NUMBER        | 3,1           |
| 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        | 5             |
| 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        | 5             |
| 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.                     |               |            |               |               |
| STABILIZING_MATERIAL_DEPTH                                                                                                                                                                                                               |               | N          | NUMBER        | 3,2           |
| The depth of stabilizing material required for the road section in metres.                                                                                                                                                               |               |            |               |               |
| SOIL_TEXTURE_PERCENTAGE                                                                                                                                                                                                                  |               | N          | NUMBER        | 5             |
| The percentage of silt, clay, and loam soils found in the road section.                                                                                                                                                                  |               |            |               |               |
| STABILIZING_MATERIAL_REQ_IND                                                                                                                                                                                                             |               | N          | VARCHAR2      | 1             |

|                     |                                         |                    |       |
|---------------------|-----------------------------------------|--------------------|-------|
| <b>Entity Name:</b> | APPR_INT_TABULATED_ROAD_DETAIL (cont'd) | <b>Short Name:</b> | AITRD |
|---------------------|-----------------------------------------|--------------------|-------|

Indicates whether not a road requires non-empty stabilizing material fields.

\* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

\* MUST BE IS\_CALCULATED\_FOR one and only one APPR\_INT\_TABULATED\_ROAD\_SUMMARY

\* = *Relationships in primary unique identifier.*

Unique Identifiers:

|       |         |   |
|-------|---------|---|
| AITRD | Primary | Y |
|-------|---------|---|

ROAD\_SECTION\_NUMBER

MUST BE IS\_CALCULATED\_FOR one and only one APPR\_INT\_TABULATED\_ROAD\_SUMMARY



|                                             |                 |                            |     |
|---------------------------------------------|-----------------|----------------------------|-----|
| <b>Entity Name:</b> APPR_MANUFACTURING_COST |                 | <i>Short Name:</i>         | AMC |
| <i>Plural:</i>                              | APP_MANUFCT_CST |                            |     |
| <i>Init. Volume:</i>                        | 0               | <i>Avg. Volume:</i>        | 0   |
|                                             |                 | <i>Max. Volume:</i>        | 0   |
|                                             |                 | <i>Annual Growth Rate:</i> | 0%  |

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> |
|-----------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| SPECIES_MANUFACTURING_COST_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                                                                   | Primary | Y |
| MUST BE IS_CALCULATED_FOR one and only one APPRAISAL_INTERIOR_SPECIES |         |   |

|                                            |                 |                     |                            |                       |
|--------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_POST_LOGGING_COST |                 |                     | <b>Short Name:</b>         | APLC                  |
| <b>Plural:</b>                             | APP_POSTLOG_CST |                     |                            |                       |
| <b>Init. Volume:</b>                       | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                            |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_LOGGING_COST_PER_M3                                                                        |               | N          | NUMBER        | 3,2           |
| The total cost incurred after logging for post logging treatments, expressed in \$ per m3.      |               |            |               |               |
| APPRAISAL_SPECIES_GROUP_CODE                                                                    |               | N          | NUMBER        | 5             |
| A number representing the species group that will be harvested. Valid range: 1 through 5.       |               |            |               |               |
| APPRAISAL_SPECIES_TYPE_CODE                                                                     |               | N          | NUMBER        | 5             |
| A number representing the species composition that will be harvested. Valid range: 1 through 5. |               |            |               |               |
| NUMBER_OF_PHEROMONE_BAITS                                                                       |               | N          | NUMBER        | 5             |
| The number of baits used per hectare in post logging treatment pheromone trapping.              |               |            |               |               |

\* = 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 CONTAINS one or more APR\_PSTLG\_C\_DTL
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                              |         |   |
|--------------------------------------------------------------|---------|---|
| APLC                                                         | Primary | Y |
| MUST BE IS_PART_OF one and only one APPRAISAL_OPERATING_COST |         |   |

|                                                   |                 |                     |                            |                       |
|---------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_POST_LOGGING_COST_DETAIL |                 |                     | <b>Short Name:</b>         | APLCD                 |
| <b>Plural:</b>                                    | APR_PSTLG_C_DTL |                     |                            |                       |
| <b>Init. Volume:</b>                              | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                   |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

Description:

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

Attributes:

| <u>Name</u>                                                                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * POST_LOGGING_TREATMENT_CODE                                                                                                           |               | N          | VARCHAR2      | 2             |
| The code for a treatment specified for the mark.                                                                                        |               |            |               |               |
| POST_LOGGING_TREATMENT_COST_M3                                                                                                          |               | N          | NUMBER        | 3,2           |
| The cost incurred after logging for this type of post logging treatment, expressed in \$ per m3. (I.A. manual, p. 80)                   |               |            |               |               |
| * SILVICULTURE_SYSTEM_CODE                                                                                                              |               | N          | VARCHAR2      | 7             |
| The code signifying the silviculture system that the post logging treatment code is to be applied to. (Ex. 'B' for Basic silviculture). |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                            |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE IS\_PART\_OF one and only one APPR\_POST\_LOGGING\_COST
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                            |         |   |
|------------------------------------------------------------|---------|---|
| APLCD                                                      | Primary | Y |
| SILVICULTURE_SYSTEM_CODE                                   |         |   |
| POST_LOGGING_TREATMENT_CODE                                |         |   |
| MUST BE IS_PART_OF one and only one APPR_POST_LOGGING_COST |         |   |

|                                                 |                 |                     |                            |                       |
|-------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_SPECIAL_TRANSPORT_COST |                 |                     | <b>Short Name:</b>         | ASTC                  |
| <b>Plural:</b>                                  | APP_SPCLTRN_CST |                     |                            |                       |
| <b>Init. Volume:</b>                            | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                 |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

Description:

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 transporation).

Attributes:

| <u>Name</u>                                                                                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SPECIAL_TRANSPORT_TYPE_CODE                                                                                                                                                                      |               | N          | VARCHAR2      | 3             |
| A code representing tranportation not otherwise covered. (I.A. Manual, p. 71 - 73)                                                                                                                 |               |            |               |               |
| SPECIAL_TRANSPORT_LOCATION                                                                                                                                                                         |               | 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. |               |            |               |               |
| SPECIAL_TRANSPORT_COST_PER_M3                                                                                                                                                                      |               | N          | NUMBER        | 5,2           |
| The cost in \$ per m3 associated with a special transport situation.                                                                                                                               |               |            |               |               |
| SPECIAL_TRANSPORT_APPLC_VOLUM<br>E                                                                                                                                                                 |               | N          | NUMBER        | 10            |
| Total volume of logs that will be hauled using the special transportation method indicated.                                                                                                        |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                       |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE IS\_CALCULATED\_FOR one and only one APPR\_INTERIOR\_LOG\_TRANSPORT\_COST
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                             |         |   |
|-----------------------------------------------------------------------------|---------|---|
| ASTC                                                                        | Primary | Y |
| SPECIAL_TRANSPORT_TYPE_CODE                                                 |         |   |
| MUST BE IS_CALCULATED_FOR one and only one APPR_INTERIOR_LOG_TRANSPORT_COST |         |   |

|                                                   |                 |                     |                            |                       |
|---------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APPR_SPECIES_SPECIAL_PRODUCTS |                 |                     | <i>Short Name:</i>         | ASSP                  |
| <i>Plural:</i>                                    | APP_SPP_SP_PROD |                     |                            |                       |
| <i>Init. Volume:</i>                              | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                                   |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

Description:

Provision for special fixed stumpage rates for authorized special species product grade combinations.

Attributes:

| <u>Name</u>                                                                                                                                                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * HDBS_SPECIES_PRODUCT_GRADE_CODE                                                                                                                                                                                 |               | N          | VARCHAR2      | 5             |
| A five character code. The first two characters stand for the tree species. The next two characters stand for the product to be made and the last character stands for the quality or grade of the species.       |               |            |               |               |
| BONUS_BID_AMOUNT                                                                                                                                                                                                  |               | N          | NUMBER        | 5,2           |
| A premium amount bid in competition to harvest timber.                                                                                                                                                            |               |            |               |               |
| RESERVE_STUMPAGE_RATE                                                                                                                                                                                             |               | N          | NUMBER        | 5,2           |
| For each cutting authority, this rate is the greater of the Indicated Stumpage Rate (for the interior subtract 1/2 the amount over \$14 per m3) or the prescribed Minimum Stumpage Rate.                          |               |            |               |               |
| DEVELOPMENT_LEVY                                                                                                                                                                                                  |               | N          | NUMBER        | 5,2           |
| This levy, in \$ per m3, is equal to the cost estimate of road construction and other services provided by the Crown. It may be added to the reserve stumpage rate in calculation of the the upset stumpage rate. |               |            |               |               |
| BASIC_SILVICULTURE_LEVY                                                                                                                                                                                           |               | N          | NUMBER        | 5,2           |
| This levy, in \$ per m3, is equal to the basic silviculture cost estimate made for every cutting authority. It may be added to the reserve stumpage rate in calculation of the upset stumpage rate.               |               |            |               |               |
| VOLUME                                                                                                                                                                                                            |               | N          | NUMBER        | 10            |
| Special products volume in m3 of a given species product grade combination.                                                                                                                                       |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                      |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE BELONGS\_TO one and only one APPRAISAL\_WORKSHEET
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                         |         |   |
|---------------------------------------------------------|---------|---|
| ASSP                                                    | Primary | Y |
| MUST BE BELONGS_TO one and only one APPRAISAL_WORKSHEET |         |   |
| HDBS_SPECIES_PRODUCT_GRADE_CODE                         |         |   |

|                                                      |                 |                            |      |
|------------------------------------------------------|-----------------|----------------------------|------|
| <b>Entity Name:</b> APPR_SPECIFIED_SILVICULTURE_COST |                 | <i>Short Name:</i>         | ASSC |
| <i>Plural:</i>                                       | APP_SPECSIL_CST |                            |      |
| <i>Init. Volume:</i>                                 | 0               | <i>Avg. Volume:</i>        | 0    |
|                                                      |                 | <i>Max. Volume:</i>        | 0    |
|                                                      |                 | <i>Annual Growth Rate:</i> | 0%   |

*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_DISEASE_CONTROL_COST                                                                                                  |               | N          | NUMBER        | 10            |
| 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.

*Unique Identifiers:*

|      |         |   |
|------|---------|---|
| ASSC | Primary | Y |
|------|---------|---|

MUST BE IS\_PART\_OF one and only one APP\_INT\_SILVICULTURE\_CST\_SUMMARY

**Entity Name:** APPR\_TREE\_TO\_TRUCK\_CBL\_YARD\_VA **Short Name:** ATTTCYV

**Plural:** APPTTT\_CBL\_VAR

**Init. Volume:** 1 **Avg. Volume:** 1 **Max. Volume:** 1 **Annual Growth Rate:** 0%

### 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        | 10            |
| The volume of trees expressed in m3 to utilize cable yarding.                                                                                      |               |            |               |               |
| APPRAISAL_SPECIES_TYPE_CODE                                                                                                                        |               | N          | NUMBER        | 5             |
| 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.                                                                        |               |            |               |               |
| VOLUME_PER_HECTARE_M3                                                                                                                              |               | N          | NUMBER        | 9,2           |
| Average net merchantable volume per hectare of the area to be logged by overhead cable yarding.                                                    |               |            |               |               |
| AVERAGE_SIDE_SLOPE_PERCENT                                                                                                                         |               | N          | NUMBER        | 5             |
| 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_PERCENT                                                                                                                               |               | N          | NUMBER        | 5             |
| 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        | 5             |
| The percentage for the area of net volume that is not standing due to natural causes that will be cable yarded.                                    |               |            |               |               |
| HEAVY_FIRE_DAMAGE_PERCENT                                                                                                                          |               | N          | NUMBER        | 5             |
| The percentage of net volume that has received heavy fire damage for the area that will be cable yarded.                                           |               |            |               |               |
| DEAD_USELESS_SNAGS_PERCENT                                                                                                                         |               | N          | NUMBER        | 5             |
| 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. |               |            |               |               |
| SELECTIVE_LOGGING_PERCENT                                                                                                                          |               | N          | NUMBER        | 5             |
| The percentage of timber selectively logged.                                                                                                       |               |            |               |               |

\* = Attributes in primary unique identifier.

### Relationships:

#### Each Occurrence Of This Entity:

\* MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

\* = Relationships in primary unique identifier.

### Unique Identifiers:

ATTTCYV Primary Y

MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

**Entity Name:** APPR\_TREE\_TO\_TRUCK\_CONVENT\_VAF**Short Name:** ATTTCV**Plural:** APPTTT\_CNVT\_VAR**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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> |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| APPRAISAL_SPECIES_GROUP_CODE                                                                                                         |               | N          | NUMBER        | 5             |
| A code based on the species composition to be logged by conventional methods. Valid range: 1 through 5.                              |               |            |               |               |
| APPRAISAL_SPECIES_TYPE_CODE                                                                                                          |               | N          | NUMBER        | 5             |
| A number representing the species composition to be logged by conventional methods. Valid range: 1 through 5.                        |               |            |               |               |
| CONVENTIONAL_LOGGING_VOLUME                                                                                                          |               | N          | NUMBER        | 10            |
| 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.                                                           |               |            |               |               |
| VOLUME_PER_HECTARE_M3                                                                                                                |               | N          | NUMBER        | 5             |
| The average net merchantable volume per hectare for the area to be logged by conventional methods.                                   |               |            |               |               |
| STAND_DEFECT_PERCENT                                                                                                                 |               | N          | NUMBER        | 5             |
| The percent of gross decay, waste, and breakage percent for the area to be logged by conventional methods.                           |               |            |               |               |
| AVERAGE_SIDE_SLOPE_PERCENT                                                                                                           |               | N          | NUMBER        | 5             |
| 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        | 5             |
| The percent of net volume that is not standing due to natural causes within the area to be logged by conventional methods.           |               |            |               |               |
| HEAVY_FIRE_DAMAGE_PERCENT                                                                                                            |               | N          | NUMBER        | 5             |
| The percent of net volume that is heavily fire damaged for the area to be logged by conventional methods.                            |               |            |               |               |
| DEAD_USELESS_SNAGS_PERCENT                                                                                                           |               | N          | NUMBER        | 5             |
| The percentage of snags in relation to the sum of conifer stems and snags for the area to be logged by conventional methods.         |               |            |               |               |
| CRAWLER_TRACTOR_SKIDDING_PERCENT                                                                                                     |               | N          | NUMBER        | 5             |
| The percentage of conventional logging volume for crawler tractor skidding.                                                          |               |            |               |               |
| SOFT_TRACK_SKIDDING_PERCENT                                                                                                          |               | N          | NUMBER        | 5             |
| The percentage of conventional logging volume for soft track skidding.                                                               |               |            |               |               |
| SELECTIVE_LOGGING_PERCENT                                                                                                            |               | N          | NUMBER        | 5             |
| The percentage of conventional logging volume for selective logging.                                                                 |               |            |               |               |
| WINTER_LOGGING_PERCENT                                                                                                               |               | N          | NUMBER        | 5             |
| 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_GROUND_PRESSURE_PERCENT                                                                                                          |               | N          | NUMBER        | 5             |
| The percentage of the volume to be harvested by the Low Ground Pressure - Ground Skidding (clear cut) method.                        |               |            |               |               |

|              |                                         |             |        |
|--------------|-----------------------------------------|-------------|--------|
| Entity Name: | APPR_TREE_TO_TRUCK_CONVENT_VAF (cont'd) | Short Name: | ATTTCV |
|--------------|-----------------------------------------|-------------|--------|

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

\* MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                    |         |   |
|--------------------------------------------------------------------|---------|---|
| ATTTCV                                                             | Primary | Y |
| MUST BE MODIFIES one and only one APPR_INTERIOR_TREE_TO_TRUCK_COST |         |   |

**Entity Name:** APPR\_TREE\_TO\_TRUCK\_OTHER\_COSTS**Short Name:** ATTTOC**Plural:** APP\_TTT\_OTH\_CST**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TREE_TO_TRUCK_OTHER_COST_CODE                                                                                                           |               | N          | VARCHAR2      | 3             |
| A code to uniquely identify the tree to truck phase 'other' cost.                                                                         |               |            |               |               |
| TREE_TO_TRUCK_OTHER_COST_VOLUME                                                                                                           |               | N          | NUMBER        | 10            |
| The volume of trees utilizing the idicated 'other' cost method.                                                                           |               |            |               |               |
| TREE_TO_TRUCK_OTHER_COST_COST                                                                                                             |               | N          | NUMBER        | 11,2          |
| The cost for the associated volume of trees to utiize the indicated 'other' tree to truck system.                                         |               |            |               |               |
| HELICOPTER_YARDING_DISTANCE                                                                                                               |               | 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.                                               |               |            |               |               |
| AVERAGE_SIDE_SLOPE_PERCENT                                                                                                                |               | N          | NUMBER        | 5             |
| The percentage of the maximum side slopes for the logging method.                                                                         |               |            |               |               |
| VOLUME_PER_TREE_M3                                                                                                                        |               | N          | NUMBER        | 3,2           |
| Average net merchantable volume per tree for a specific logging method.                                                                   |               |            |               |               |
| BLOWDOWN_PERCENT                                                                                                                          |               | N          | NUMBER        | 5             |
| The percentage of net volume that is not standing due to natural causes. This percentage will be harvested by a specified harvest method. |               |            |               |               |
| HARVEST_PERCENTAGE                                                                                                                        |               | N          | NUMBER        | 5             |
| The percentage of the stand volume to be harvested by a specified harvest method.                                                         |               |            |               |               |
| UPHILL_YARDING_IND                                                                                                                        |               | N          | VARCHAR2      | 1             |
| Indicates if yarding is uphill or not (Yes/No). Default is N.                                                                             |               |            |               |               |
| STAND_DEFECT_PCT                                                                                                                          |               | Y          | NUMBER        | 5             |
| Percentage of logs estimated to be unrecovered due to natural decay, waste and breakage.                                                  |               |            |               |               |

\* = Attributes in primary unique identifier.

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

\* MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ATTTOC Primary Y

TREE\_TO\_TRUCK\_OTHER\_COST\_CODE

MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

|                                        |                 |                     |                            |                       |
|----------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APP_DSB_COST_TABLE |                 |                     | <b>Short Name:</b>         | ADCT                  |
| <b>Plural:</b>                         | APP_DSB_CST_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                   | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                        |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

**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_TRANSPORTATION_CODE                                                                                        |               | 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_INDICATOR                                                                                             |               | N          | VARCHAR2      | 1             |
| A flag to indicate that this is a remote operation.                                                                |               |            |               |               |
| DUMP_SORT_BOOM_COST                                                                                                |               | N          | NUMBER        | 5,2           |
| The cost for dumping, sorting, booming and scaling of the logs based on the point of origin.                       |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                |               | 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                      | Primary | Y |
| RE MOTENESS_INDICATOR     |         |   |
| EFFE CTIVE_DATE           |         |   |
| WATER_TRANSPORTATION_CODE |         |   |

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

**Description:**

The Interior Silviculture Cost estimate is determined by pro-rated BEC zone,subzone and variant combinations based on their respective percent by net merchantable area identified in the appraisal data submission.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * BGC_ZONE_CODE                                                                                                                                                                                                                                               |               | N          | VARCHAR2      | 4             |
| A code used to designate a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. Biogeoclimatic Zones are unique within the province of British Columbia.                     |               |            |               |               |
| * BGC_SUB_ZONE_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                                                                                                                                                                                                                                                     |               | N          | VARCHAR2      | 1             |
| A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area with a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone. |               |            |               |               |
| AREA_PERCENT                                                                                                                                                                                                                                                  |               | N          | NUMBER        | 3             |
| A portion of the cutting authority area of the net merchantable area identified in the appraisal data submission.                                                                                                                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                                  |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

\* MUST BE Specifies zones for one and only one APPRAISAL\_OPERATING\_COST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                                                       |         |   |
|-----------------------------------------------------------------------|---------|---|
| AISB                                                                  | Primary | Y |
| MUST BE Specifies zones for one and only one APPRAISAL_OPERATING_COST |         |   |
| BGC_ZONE_CODE                                                         |         |   |
| BGC_SUB_ZONE_CODE                                                     |         |   |
| VARIANT                                                               |         |   |

|                      |                                 |                     |   |                            |       |
|----------------------|---------------------------------|---------------------|---|----------------------------|-------|
| <b>Entity Name:</b>  | APP_INT_SILVICULTURE_CST_SUMMAR |                     |   | <b>Short Name:</b>         | AISCS |
| <b>Plural:</b>       | APPINT_SILV_SUM                 |                     |   |                            |       |
| <b>Init. Volume:</b> | 0                               | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0     |
|                      |                                 |                     |   | <b>Annual Growth Rate:</b> | 0%    |

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_SILVICULTURE_COST_M3                                                                                                               |               | N          | NUMBER        | 5,2           |
| All calculated treatment costs required for a stand to reach free-growing stocking standards.                                            |               |            |               |               |
| ICE_BRIDGE_SILVICULTURE_COST_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. |               |            |               |               |
| SPECIFIED_SILVICULTURE_COST_M3                                                                                                           |               | N          | NUMBER        | 5,2           |
| Silviculture treatment costs calculated using detailed engineering methods.                                                              |               |            |               |               |
| BGC_ZONE                                                                                                                                 |               | N          | VARCHAR2      | 4             |
| BGC_SUBZONE                                                                                                                              |               | N          | VARCHAR2      | 3             |
| BGC_VARIANT                                                                                                                              |               | N          | VARCHAR2      | 1             |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE ACCUMULATES\_COSTS\_FOR one and only one APPRAISAL\_OPERATING\_COST
- 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

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                         |         |   |
|-------------------------------------------------------------------------|---------|---|
| AISCS                                                                   | Primary | Y |
| MUST BE ACCUMULATES_COSTS_FOR one and only one APPRAISAL_OPERATING_COST |         |   |

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

Description:

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * ROAD_COST_ZONE_CD                          |               | N          | VARCHAR2      | 3             |
| * EFFECTIVE_DATE                             |               | N          | DATE          |               |
| COMMITTED_IND                                |               | N          | VARCHAR2      | 1             |
| ROAD_COST_PER_KM                             |               | N          | NUMBER        | 7             |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

|                                                      |
|------------------------------------------------------|
| * MUST BE IS IDENTIFIED BY one and only one ORG_UNIT |
| * = Relationships in primary unique identifier.      |

Unique Identifiers:

|                                                    |         |   |
|----------------------------------------------------|---------|---|
| ARCT                                               | Primary | Y |
| EFFECTIVE_DATE                                     |         |   |
| MUST BE IS IDENTIFIED BY one and only one ORG_UNIT |         |   |
| ROAD_COST_ZONE_CD                                  |         |   |

|                                                     |               |                     |                               |
|-----------------------------------------------------|---------------|---------------------|-------------------------------|
| <b>Entity Name:</b> APP_SPECIES_GRADE_SELLING_PRICE |               | <b>Short Name:</b>  | ASGSP                         |
| <b>Plural:</b>                                      | APP_SG_SL_PRC |                     |                               |
| <b>Init. Volume:</b>                                | 0             | <b>Avg. Volume:</b> | 0                             |
|                                                     |               | <b>Max. Volume:</b> | 0                             |
|                                                     |               |                     | <b>Annual Growth Rate:</b> 0% |

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.                                                               |               |            |               |               |
| * APPRAISAL_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_PERCENT                                                                                                                                                                                                           |               | N          | NUMBER        | 5             |
| The percentage of the grade for the species within the stand.                                                                                                                                                                   |               |            |               |               |
| SPECIES_GRADE_SELLING_PRICE                                                                                                                                                                                                     |               | N          | NUMBER        | 6,2           |
| The selling price of the grade for the species.                                                                                                                                                                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                    |               |            |               |               |

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| ASGSP                    | Primary | Y |
| HDBS_SPP_PRD_GRADE       |         |   |
| APPRAISAL_EFFECTIVE_DATE |         |   |
| TIMBER_MARK              |         |   |

**Entity Name:** APP\_TREE\_TO\_TRUCK\_COST**Short Name:**

ATTTC

**Plural:** APP\_TTT\_COST**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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_PERCENTAGE                                                                                        |               | N          | NUMBER        | 5             |
| Percentage of logs estimated to be unrecovered due to natural decay, waste and breakage.                       |               |            |               |               |
| SPECIFIED_OPERATION_DESCRIPTION                                                                                |               | N          | VARCHAR2      | 25            |
| A description of the specified operation tree to truck costs.                                                  |               |            |               |               |
| SPECIFIED_OPERATION_RATE                                                                                       |               | N          | NUMBER        | 5,2           |
| A cost estimate directly entered for the tree to truck cost.                                                   |               |            |               |               |
| HELICOPTER_WATER_VOLUME                                                                                        |               | N          | NUMBER        | 10            |
| The volume for helicopter operations to be dropped in the water.                                               |               |            |               |               |
| HELICOPTER_LAND_VOLUME                                                                                         |               | N          | NUMBER        | 10            |
| 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_VOLUME                                                                                            |               | 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        | 5             |
| The unweighted average of the maximum side slopes of all cruise plots situated within the cutting authority.   |               |            |               |               |
| SECOND_GROWTH_INDICATOR                                                                                        |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the stand is second growth.                                                 |               |            |               |               |
| TREE_TO_TRUCK_HELICOPTER_COST                                                                                  |               | N          | NUMBER        | 7,4           |
| Calculated cost per cubic metre for logs utilizing helicopter tree to truck methods.                           |               |            |               |               |
| CONVENTIONAL_TREE_TO_TRUCK_COST                                                                                |               | N          | NUMBER        | 7,4           |
| Calculated cost per cubic metre for logs utilizing conventional tree to truck methods.                         |               |            |               |               |
| HELICOPTER_FLIGHT_DISTANCE                                                                                     |               | N          | NUMBER        | 5,1           |
| Average one-way flight distance for helicopter logging.                                                        |               |            |               |               |
| HEMLOCK_BALSAM_PERCENTAGE                                                                                      |               | N          | NUMBER        | 5             |
| Percentage of hemlock and balsam being logged by helicopter.                                                   |               |            |               |               |
| BLOWDOWN_PERCENT                                                                                               |               | N          | NUMBER        | 5             |
| The percent of net volume that is not standing due to natural causes within the area to be selectively logged. |               |            |               |               |
| VOLUME PER TREE M3                                                                                             |               | Y          | NUMBER        | 6,2           |
| Average net merchantable volume per tree for specified (ALL, for this case) logging methods.                   |               |            |               |               |
| HELI PARTIAL CUT VOLUME                                                                                        |               | Y          | NUMBER        | 7             |
| Total tree-to-truck volume (m3) for logs harvested by helicopter partial cut method.                           |               |            |               |               |
| VOL PER HECTARE M3                                                                                             |               | Y          | NUMBER        | 9,2           |

|                     |                                 |                    |       |
|---------------------|---------------------------------|--------------------|-------|
| <b>Entity Name:</b> | APP_TREE_TO_TRUCK_COST (cont'd) | <i>Short Name:</i> | ATTTC |
|---------------------|---------------------------------|--------------------|-------|

Average net merchantable volume per hectare of the area not harvested by the helicopter selection logging method.

\* = *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.*

Unique Identifiers:

|                                                              |         |   |
|--------------------------------------------------------------|---------|---|
| ATTTC                                                        | Primary | Y |
| MUST BE IS_PART_OF one and only one APPRAISAL_OPERATING_COST |         |   |

|                      |                                |                     |   |                            |        |
|----------------------|--------------------------------|---------------------|---|----------------------------|--------|
| <b>Entity Name:</b>  | APP_TREE_TO_TRUCK_REMOTE_COSTS |                     |   | <b>Short Name:</b>         | ATTTRC |
| <b>Plural:</b>       | APP_TTT_RCST_TB                |                     |   |                            |        |
| <b>Init. Volume:</b> | 0                              | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0      |
|                      |                                |                     |   | <b>Annual Growth Rate:</b> | 0%     |

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> |
|--------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| REMOTE_COSTS_PER_CUBIC_METRE                                                                                       |               | N          | NUMBER        | 5,2           |
| The cost of remote operations per cubic metre.                                                                     |               |            |               |               |
| * REMOTENESS_INDICATOR                                                                                             |               | N          | VARCHAR2      | 1             |
| A flag to inidicate that this a remote operation.                                                                  |               |            |               |               |
| * EFFECTIVE_DATE                                                                                                   |               | N          | DATE          |               |
| The date on which the remote costs become effective.                                                               |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                |               | N          | VARCHAR2      | 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:

|                       |         |   |
|-----------------------|---------|---|
| ATTTRC                | Primary | Y |
| EFFECTIVE_DATE        |         |   |
| RE MOTENESS_INDICATOR |         |   |

|                                          |                 |                     |                            |                       |
|------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APP_WATER_TRNSP_COST |                 |                     | <b>Short Name:</b>         | AWTC                  |
| <b>Plural:</b>                           | APP_WTR_CST_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                     | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                          |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| COMMITTED_INDICATOR                                                                                                                                                      |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated water transportation cost record has been reviewed and approved.                                                       |               |            |               |               |
| WATER_TRANSPORT_COST                                                                                                                                                     |               | N          | NUMBER        | 5,2           |
| Costs per cubic metre for both barging and towing from specific points of origin for an appraisal.                                                                       |               |            |               |               |
| WATER_TRANSPORTATION_CODE                                                                                                                                                |               | N          | VARCHAR2      | 1             |
| A code representing the type of water transportation used. Valid values are 'B' (Barge) and 'T' (Towing).                                                                |               |            |               |               |
| * EFFECTIVE_DATE                                                                                                                                                         |               | N          | DATE          |               |
| The date on which the water transportation cost becomes effective.                                                                                                       |               |            |               |               |
| * POINT_OF_ORIGIN                                                                                                                                                        |               | 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. |               |            |               |               |
| * POINT_OF_APPRAISAL                                                                                                                                                     |               | 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.                      |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                             |               |            |               |               |

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| AWTC               | Primary | Y |
| POINT_OF_APPRAISAL |         |   |
| POINT_OF_ORIGIN    |         |   |
| EFFECTIVE_DATE     |         |   |

|                                                     |                 |                     |                            |                       |
|-----------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> APR_LANDING_WROAD_RECONSTRCT_ID |                 |                     | <b>Short Name:</b>         | ALWRC                 |
| <b>Plural:</b>                                      | APP_LWR_RCN_CST |                     |                            |                       |
| <b>Init. Volume:</b>                                | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                     |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * RECONSTRUCTION_COST_ID                                                                                                                                                                                                    |               | N          | VARCHAR2      | 10            |
| A unique identifier for a landing or winter road in a timber mark to be reconstructed.                                                                                                                                      |               |            |               |               |
| RECONSTRUCTION_TYPE_CODE                                                                                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| A code to qualify the type of reconstruction to be performed. Valid values are 'W' (winter road) and 'L' (landing).                                                                                                         |               |            |               |               |
| RECONSTRUCTION_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'. |               |            |               |               |
| RECONSTRUCTION_APPLICABLE_VOLUME                                                                                                                                                                                            |               | N          | NUMBER        | 10            |
| The anticipated harvested volume for the mark over which the reconstruction cost is to be applied.                                                                                                                          |               |            |               |               |
| RECONSTRUCTION_APPLICABLE_COST                                                                                                                                                                                              |               | 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:

|                                                                    |         |   |
|--------------------------------------------------------------------|---------|---|
| ALWRC                                                              | Primary | Y |
| RECONSTRUCTION_COST_ID                                             |         |   |
| MUST BE IS_PART_OF one and only one APPR_INTERIOR_DEVELOPMENT_COST |         |   |

|                      |                              |                     |   |                            |      |
|----------------------|------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | AVERAGE_LUMBER_MARKET_VALUES |                     |   | <b>Short Name:</b>         | ALMV |
| <b>Plural:</b>       | AVG_LMBRMKT_VAL              |                     |   |                            |      |
| <b>Init. Volume:</b> | 0                            | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0    |
|                      |                              |                     |   | <b>Annual Growth Rate:</b> | 0%   |

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> |
|----------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * RATE_CALCULATION_METHOD_CODE                                                                           |               | N          | VARCHAR2      | 3             |
| Identifies the calculation method used to establish stumpage rates.                                      |               |            |               |               |
| * SPECIES_LUMBER_SELL_PRICE_ZONE                                                                         |               | N          | NUMBER        | 5             |
| The lumber selling price zone that is applicable for this species.                                       |               |            |               |               |
| * EFFECTIVE_DATE                                                                                         |               | N          | DATE          |               |
| The date on which the associated average lumber market value entry becomes effective.                    |               |            |               |               |
| * HDBS_TREE_SPECIES                                                                                      |               | N          | VARCHAR2      | 2             |
| A code indicating the tree species in the stand.                                                         |               |            |               |               |
| COMMITTED_INDICATOR                                                                                      |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the average lumber market value entry has been reviewed and approved. |               |            |               |               |
| STUD_MARKET_VALUE                                                                                        |               | N          | NUMBER        | 5             |
| The market value per 1000 board feet for STUD classed lumber.                                            |               |            |               |               |
| RAND_MARKET_VALUE                                                                                        |               | N          | NUMBER        | 5             |
| The market value per 1000 board feet of RAND classed lumber.                                             |               |            |               |               |
| ALL_MARKET_VALUE                                                                                         |               | N          | NUMBER        | 5             |
| The market value per 1000 board feet for ALL classifications of lumber.                                  |               |            |               |               |
| * = Attributes in primary unique identifier.                                                             |               |            |               |               |

Unique Identifiers:

|                                |         |   |
|--------------------------------|---------|---|
| ALMV                           | Primary | Y |
| HDBS_TREE_SPECIES              |         |   |
| EFFECTIVE_DATE                 |         |   |
| SPECIES_LUMBER_SELL_PRICE_ZONE |         |   |
| RATE_CALCULATION_METHOD_CODE   |         |   |

Short Name: BNKHGHT

Init. Volume: Avg. Volume:

*Annual Growth Rate:*

*Attributes:*

| <u>Name</u>                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * BANK HGHT CAT CD<br>The code is a description of the type of rock face used in road construction.                         |               | N          | VARCHAR2      | 4             |
| * ROCK MASS CLASS CD<br>The code is a rock hardness indicator for the subgrade. Valid values are 'H' (Hard) and 'S' (Soft). |               | N          | VARCHAR2      | 1             |
| * EFFECTIVE DATE<br>The date for which this cost is effective.                                                              |               | N          | DATE          |               |
| BANK HEIGHT COST<br>The cost in dollars for the type of rock face                                                           |               | N          | NUMBER        | 12,5          |
| COMMITTED IND<br>The indicator shows whether this cost is committed Y or N.                                                 |               | N          | VARCHAR2      | 1             |
| * = Attributes in primary unique identifier.                                                                                |               |            |               |               |

*Each Occurrence Of This Entity:*

\* = Relationships in primary unique identifier.

|                    |         |   |
|--------------------|---------|---|
| BNKHGHT            | Primary | Y |
| BANK HGHT CAT CD   |         |   |
| ROCK MASS CLASS CD |         |   |
| EFFECTIVE DATE     |         |   |

|                                       |                 |                     |                            |                       |
|---------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> BRIDGE_COST_TABLE |                 |                     | <i>Short Name:</i>         | BCT                   |
| <i>Plural:</i>                        | BRIDGE_COST_TBL |                     |                            |                       |
| <i>Init. Volume:</i>                  | 1               | <i>Avg. Volume:</i> | 1                          | <i>Max. Volume:</i> 1 |
|                                       |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

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_METHOD_CODE                                                                                     |               | N          | VARCHAR2      | 1             |
| Indicates whether an appraisal follows the Coast or Interior manual procedures and rates.                   |               |            |               |               |
| * APPRAISAL_BRIDGE_TYPE_CODE                                                                                |               | N          | VARCHAR2      | 3             |
| Identifies the type of bridge used for cost estimates.                                                      |               |            |               |               |
| * BRIDGE_SPAN                                                                                               |               | N          | NUMBER        | 5             |
| The length of the bridge in metres.                                                                         |               |            |               |               |
| * BRIDGE_CRIB_HEIGHT                                                                                        |               | N          | NUMBER        | 5             |
| The average height of the bridge in metres.                                                                 |               |            |               |               |
| * EFFECTIVE_DATE                                                                                            |               | N          | DATE          |               |
| The date on which the bridge cost estimate becomes effective.                                               |               |            |               |               |
| COMMITTED_INDICATOR                                                                                         |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the bridge cost entry has been reviewed and approved.                    |               |            |               |               |
| TABULATED_BRIDGE_COST_ESTIMATE                                                                              |               | 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                        | Primary | Y |
| EFFECTIVE_DATE             |         |   |
| BRIDGE_CRIB_HEIGHT         |         |   |
| BRIDGE_SPAN                |         |   |
| APPRAISAL_BRIDGE_TYPE_CODE |         |   |
| APPRAISAL_METHOD_CODE      |         |   |

|                                                 |                 |                     |                            |                       |
|-------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> CATTLE_GUARD_AND_FENCE_COST |                 |                     | <b>Short Name:</b>         | CGAFC                 |
| <b>Plural:</b>                                  | CATLGRD_FNC_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                            | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                 |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

*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_INDICATOR                                                                                      |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the cattle guard and fence cost entry has been reviewed and approved. |               |            |               |               |
| FENCE_COST_PER_HUNDRED_METRES                                                                            |               | N          | NUMBER        | 5             |
| The cost per hundred metre section of fence (either wing or remedial fencing).                           |               |            |               |               |
| CATTLE_GUARD_COST                                                                                        |               | N          | NUMBER        | 10            |
| The cost of a single cattle guard.                                                                       |               |            |               |               |
| PIPELINE_CROSSING_COST                                                                                   |               | N          | NUMBER        | 10            |
| Unit cost for each single pipeline crossing.                                                             |               |            |               |               |
| MULTIPLE_PIPE_CROSSING_COST                                                                              |               | Y          | NUMBER        | 10            |
| Unit cost for each pipe in a multiple pipeline crossing.                                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                                                             |               |            |               |               |

*Unique Identifiers:*

|                |         |   |
|----------------|---------|---|
| CGAFC          | Primary | Y |
| EFFECTIVE_DATE |         |   |

|                                     |                 |                     |                            |                       |
|-------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> CODE_LIST_TABLE |                 |                     | <i>Short Name:</i>         | CLT                   |
| <i>Plural:</i>                      | CODE_LIST_TABLE |                     |                            |                       |
| <i>Init. Volume:</i>                | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                     |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

*Description:*

Contains code values and code value descriptions identified for a specific Ministry of Forests corporate code.

*Attributes:*

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

*Unique Identifiers:*

|               |                |   |
|---------------|----------------|---|
| CLT           | <i>Primary</i> | Y |
| COLUMN_NAME   |                |   |
| CODE_ARGUMENT |                |   |

|                                     |                 |                     |                            |                       |
|-------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> CODE_SUBSET_TBL |                 |                     | <i>Short Name:</i>         | CST                   |
| <i>Plural:</i>                      | CODE_SUBSET_TBL |                     |                            |                       |
| <i>Init. Volume:</i>                | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                     |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

Description:

Contains subsets or supersets of code list code values. When when only a partial list of the code values for a code(subset) is valid, or a list of the values across two or more codes(superset) is valid, code subset table is used to validate the permissible values.

Attributes:

| <u>Name</u>                                                                                                                                                                                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * 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).                                                                                                          |               |            |               |               |
| * COLUMN_NAME                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 18            |
| Contains the name of a corporate code that is used commonly throughout the Ministry of Forests for validating data values within ministry business applications. (eg. STATUS_CODE). Within CODE_LIST_TABLE this is know as COLUMN_NAME. |               |            |               |               |
| * 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.

Unique Identifiers:

|                  |         |   |
|------------------|---------|---|
| CST              | Primary | Y |
| CODE_SUBSET_NAME |         |   |
| COLUMN_NAME      |         |   |
| CODE_ARGUMENT    |         |   |

|                                          |                 |                     |                            |                       |
|------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> CONSUMER_PRICE_INDEX |                 |                     | <i>Short Name:</i>         | CPI                   |
| <i>Plural:</i>                           | CNSMR_PRIC_INDX |                     |                            |                       |
| <i>Init. Volume:</i>                     | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                          |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

*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.                                      |               |            |               |               |
| CONSUMER_PRICE_INDEX                                                                                      |               | N          | NUMBER        | 5,1           |
| The monthly value as reported by the BC Consumer Price index guide (P110000).                             |               |            |               |               |
| COMMITTED_INDICATOR                                                                                       |               | N          | VARCHAR2      | 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            | Primary | Y |
| EFFECTIVE_DATE |         |   |

|                                         |                |                     |                            |                       |
|-----------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> CORPORATE_REPORTING |                |                     | <b>Short Name:</b>         | CR                    |
| <b>Plural:</b>                          | CORP_RPTNG_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                    | 0              | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                         |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * 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_INDICATOR                                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated company reporting entry has been reviewed and approved.                                                                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                              |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST 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:

|                                                               |         |   |
|---------------------------------------------------------------|---------|---|
| CR                                                            | Primary | Y |
| EFFECTIVE_DATE                                                |         |   |
| MUST BE REPORTS_APPRAISALS_FOR one and only one FOREST_CLIENT |         |   |

|                                |                |                     |                            |                       |
|--------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> COST_TREND |                |                     | <b>Short Name:</b>         | CT                    |
| <b>Plural:</b>                 | COST_TREND_TBL |                     |                            |                       |
| <b>Init. Volume:</b>           | 1              | <b>Avg. Volume:</b> | 1                          | <b>Max. Volume:</b> 1 |
|                                |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_METHOD_CODE                                                                              |               | N          | VARCHAR2      | 1             |
| The method used to determine the appraisal. Eg. 'C' = Coast, 'I' = Interior.                         |               |            |               |               |
| * POLICY_EFFECTIVE_DATE                                                                              |               | N          | DATE          |               |
| The date on which the appraisal manual or policy becomes effective.                                  |               |            |               |               |
| * FACTOR_EFFECTIVE_DATE                                                                              |               | N          | DATE          |               |
| The date on which the silviculture, logging, and milling trend factors become effective.             |               |            |               |               |
| SILVICULTURE_TREND_FACTOR                                                                            |               | N          | NUMBER        | 5,3           |
| The trend factor value applied to the silviculture cost which updates costs to the applicable dates. |               |            |               |               |
| LOGGING_TREND_FACTOR                                                                                 |               | N          | NUMBER        | 5,3           |
| The trend factor value applied to the logging cost which updates costs to the applicable date .      |               |            |               |               |
| MILLING_TREND_FACTOR                                                                                 |               | N          | NUMBER        | 5,3           |
| The trend factor value applied to the milling cost which updates costs to the applicable date.       |               |            |               |               |
| COMMITTED_INDICATOR                                                                                  |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the cost trend entry has been reviewed and approved.              |               |            |               |               |
| * = Attributes in primary unique identifier.                                                         |               |            |               |               |

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| CT                    | Primary | Y |
| FACTOR_EFFECTIVE_DATE |         |   |
| POLICY_EFFECTIVE_DATE |         |   |
| APPRAISAL_METHOD_CODE |         |   |

|                                                    |                 |                     |      |
|----------------------------------------------------|-----------------|---------------------|------|
| <b>Entity Name:</b> CUSTOMER_REPORTING_CROSSOVER_1 |                 | Short Name:         | CRCT |
| Plural:                                            | CMPNY_RPTNG_TBL |                     |      |
| Init. Volume:                                      | 1               | Avg. Volume:        | 1    |
|                                                    |                 | Max. Volume:        | 1    |
|                                                    |                 | Annual Growth Rate: | 0%   |

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_METHOD_CODE                                                                                                                                                                   |               | N          | VARCHAR2      | 1             |
| A one character code representing the appraisal method that this company entry applies to.<br>Valid values are 'I' (Interior) and 'C' (Coast).                                            |               |            |               |               |
| * 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_INDICATOR                                                                                                                                                                       |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated company reporting entry has been reviewed and approved.                                                                                 |               |            |               |               |
| * = 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:

|                                                               |         |   |
|---------------------------------------------------------------|---------|---|
| CRCT                                                          | Primary | Y |
| EFFECTIVE_DATE                                                |         |   |
| APPRAISAL_METHOD_CODE                                         |         |   |
| MUST BE REPORTS_APPRAISALS_FOR one and only one FOREST_CLIENT |         |   |

|                                                 |                 |                     |                            |                       |
|-------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> DEFAULT_STUMPAGE_RATE_TABLE |                 |                     | <b>Short Name:</b>         | DSRT                  |
| <b>Plural:</b>                                  | DFLT_STMPG_RT_T |                     |                            |                       |
| <b>Init. Volume:</b>                            | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                 |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_METHOD_CODE                                                                                                                                                                                                         |               | N          | VARCHAR2      | 1             |
| The method used to determine the appraisal being done. (eg. 'c' = Coast, 'I' = Interior)                                                                                                                                        |               |            |               |               |
| * HDBS_SPECIES_PRODUCT_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 default rate entry becomes effective.                                                                                                                                                          |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                                                                                                             |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated default rate entry has been reviewed and approved.                                                                                                                            |               |            |               |               |
| DEFAULT_RESERVE_RATE                                                                                                                                                                                                            |               | 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.                                                         |               |            |               |               |
| MAXIMUM_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.                                                                                                                                                                                    |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE IS\_IDENTIFIED\_BY one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                    |         |   |
|----------------------------------------------------|---------|---|
| DSRT                                               | Primary | Y |
| EFFECTIVE_DATE                                     |         |   |
| HDBS_SPECIES_PRODUCT_GRADE                         |         |   |
| APPRAISAL_METHOD_CODE                              |         |   |
| MUST BE IS_IDENTIFIED_BY one and only one ORG_UNIT |         |   |

|                                               |                 |                            |     |
|-----------------------------------------------|-----------------|----------------------------|-----|
| <b>Entity Name:</b> DISTRICT_APPRAISAL_METHOD |                 | <i>Short Name:</i>         | DAM |
| <i>Plural:</i>                                | DSTRCT_APP_MTHD |                            |     |
| <i>Init. Volume:</i>                          | 0               | <i>Avg. Volume:</i>        | 0   |
|                                               |                 | <i>Max. Volume:</i>        | 0   |
|                                               |                 | <i>Annual Growth Rate:</i> | 0%  |

*Description:*

Identifies the appraisal method (coast or interior) used by a forest district to complete stumpage appraisals.

*Attributes:*

| <u>Name</u>                                                                                                                        | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| APPRAISAL_METHOD_CODE                                                                                                              |               | N          | VARCHAR2      | 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 district / appraisal method association becomes effective.                                                   |               |            |               |               |
| EXPIRY_DATE                                                                                                                        |               | N          | DATE          |               |
| The date on which the district / appraisal method association expires.                                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                       |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

\* MUST BE IS\_USED\_BY one and only one ORG\_UNIT

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                                              |         |   |
|----------------------------------------------|---------|---|
| DAM                                          | Primary | Y |
| EFFECTIVE_DATE                               |         |   |
| MUST BE IS_USED_BY one and only one ORG_UNIT |         |   |

|                      |               |                            |    |
|----------------------|---------------|----------------------------|----|
| <b>Entity Name:</b>  | FOREST_CLIENT | <b>Short Name:</b>         | FC |
| <b>Plural:</b>       | FOREST_CLIENT |                            |    |
| <b>Init. Volume:</b> | 1             | <b>Avg. Volume:</b>        | 1  |
|                      |               | <b>Max. Volume:</b>        | 1  |
|                      |               | <b>Annual Growth Rate:</b> | 0% |

Description:

Name and Address of the Licensee who has the right to harvest timber for each appraisal.

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.                |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- 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\_REPORTING 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:

|               |         |   |
|---------------|---------|---|
| FC            | Primary | Y |
| CLIENT_NUMBER |         |   |

|                                     |                 |                     |                            |                       |
|-------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> FOR_CLIENT_LINK |                 |                     | <b>Short Name:</b>         | FCL                   |
| <b>Plural:</b>                      | FOR_CLIENT_LINK |                     |                            |                       |
| <b>Init. Volume:</b>                | 1               | <b>Avg. Volume:</b> | 1                          | <b>Max. Volume:</b> 1 |
|                                     |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

Description:

The type of licence a client holds for a particular timber mark (eg Forest Licence, Tree Farm Licence, etc.).

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 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).                                                                                                                                 |               |            |               |               |
| * FILE_CLIENT_TYPE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 1             |
| Indicates the type of relationship the client has to the file.                                                                                                                                                                     |               |            |               |               |
| * CLIENT_NUMBER                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 8             |
| Sequentially assigned number to identify a ministry client.                                                                                                                                                                        |               |            |               |               |
| * CLIENT_LOCN_CODE                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 2             |
| A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                       |               |            |               |               |

Unique Identifiers:

|                   |         |   |
|-------------------|---------|---|
| FCL               | Primary | Y |
| CLIENT_LOCN_CODE  |         |   |
| CLIENT_NUMBER     |         |   |
| FILE_CLIENT_TYPE  |         |   |
| CUT_BLOCK_ID      |         |   |
| CUTTING_PERMIT_ID |         |   |
| FOREST_FILE_ID    |         |   |

|                      |                |                     |   |                            |    |
|----------------------|----------------|---------------------|---|----------------------------|----|
| <b>Entity Name:</b>  | HARVEST_COMMIT |                     |   | <i>Short Name:</i>         | HC |
| <i>Plural:</i>       | HARVEST_COMMIT |                     |   |                            |    |
| <i>Init. Volume:</i> | 0              | <i>Avg. Volume:</i> | 0 | <i>Max. Volume:</i>        | 0  |
|                      |                |                     |   | <i>Annual Growth Rate:</i> | 0% |

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. |               |            |               |               |
| * = Attributes in primary unique identifier.                                       |               |            |               |               |

Unique Identifiers:

|                |                |   |
|----------------|----------------|---|
| HC             | <i>Primary</i> | Y |
| FOREST_FILE_ID |                |   |

|                                     |                 |                     |                            |                       |
|-------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> HARVEST_HISTORY |                 |                     | <b>Short Name:</b>         | HH                    |
| <b>Plural:</b>                      | HARVEST_HISTORY |                     |                            |                       |
| <b>Init. Volume:</b>                | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                     |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * 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.                                              |               |            |               |               |
| * 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 species 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        | 5             |
| This is the year in which the recorded volume was billed.                                                                                                                                                            |               |            |               |               |
| * BILLING_MONTH                                                                                                                                                                                                      |               | N          | NUMBER        | 5             |
| 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_CODE                                                                                                                                                                                                |               | N          | VARCHAR2      | 2             |
| This code identifies the type of forest product being scaled. It is blank for logs.                                                                                                                                  |               |            |               |               |
| * LOG_GRADE                                                                                                                                                                                                          |               | N          | VARCHAR2      | 1             |
| A code assigned to each log to indicate the overall quality, which infers a certain value.                                                                                                                           |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                         |               |            |               |               |

Unique Identifiers:

|                     |         |   |
|---------------------|---------|---|
| HH                  | Primary | Y |
| LOG_GRADE           |         |   |
| FOREST_PRODUCT_CODE |         |   |
| HDBS_TREE_SPECIES   |         |   |
| BILLING_MONTH       |         |   |
| BILLING_YEAR        |         |   |
| TIMBER_MARK         |         |   |
| BILLING_TYPE_CODE   |         |   |

|                      |              |                     |   |                            |    |
|----------------------|--------------|---------------------|---|----------------------------|----|
| <b>Entity Name:</b>  | HARVEST_SALE |                     |   | <i>Short Name:</i>         | HS |
| <i>Plural:</i>       | HARVEST_SALE |                     |   |                            |    |
| <i>Init. Volume:</i> | 0            | <i>Avg. Volume:</i> | 0 | <i>Max. Volume:</i>        | 0  |
|                      |              |                     |   | <i>Annual Growth Rate:</i> | 0% |

*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             | <i>Primary</i> | Y |
| FOREST_FILE_ID |                |   |

|                                           |                 |                     |                            |                       |
|-------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> HELICOPTER_COST_TABLE |                 |                     | <i>Short Name:</i>         | HCT                   |
| <i>Plural:</i>                            | APP_HELI_CST_TB |                     |                            |                       |
| <i>Init. Volume:</i>                      | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                           |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

*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> |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| *   HELICOPTER_LOGGING_TYPE_CODE                                                                                                 |               | N          | VARCHAR2      | 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_LOGGING_COST                                                                                                          |               | N          | NUMBER        | 5,2           |
| The cost for helicopter logging per cubic metre.                                                                                 |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                              |               | N          | VARCHAR2      | 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:*

|                                     |                |   |
|-------------------------------------|----------------|---|
| HCT                                 | <i>Primary</i> | Y |
| <i>EFFECTIVE_DATE</i>               |                |   |
| <i>HELICOPTER_LOGGING_TYPE_CODE</i> |                |   |

|                      |                                 |                     |   |                            |      |
|----------------------|---------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | INTERIOR_OVERHEAD_COST_ESTIMATI |                     |   | <b>Short Name:</b>         | IOCE |
| <b>Plural:</b>       | INT_OVERHD_CST                  |                     |   |                            |      |
| <b>Init. Volume:</b> | 0                               | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0    |
|                      |                                 |                     |   | <b>Annual Growth Rate:</b> | 0%   |

*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_GROUP_CODE                                                                                                         |               | N          | VARCHAR2      | 1             |
| The code representing a group of points of appraisal associated with an overhead cost estimate for a specific effective date. |               |            |               |               |
| OVERHEAD_COST_PER_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_INDICATOR                                                                                                           |               | N          | VARCHAR2      | 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:*

|                     |         |   |
|---------------------|---------|---|
| IOCE                | Primary | Y |
| OVERHEAD_GROUP_CODE |         |   |
| EFFECTIVE_DATE      |         |   |

|                      |                               |                     |   |                            |      |
|----------------------|-------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | INTERIOR_OVERHEAD_GROUP_POINT |                     |   | <b>Short Name:</b>         | IOGP |
| <b>Plural:</b>       | INT_OVERHD_PNT                |                     |   |                            |      |
| <b>Init. Volume:</b> | 0                             | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0    |
|                      |                               |                     |   | <b>Annual Growth Rate:</b> | 0%   |

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_GROUP_CODE                                                                                                         |               | N          | VARCHAR2      | 1             |
| The code representing a group of points of appraisal associated with an overhead cost estimate for a specific effective date. |               |            |               |               |
| * POINT_OF_APPRAISAL                                                                                                          |               | 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:

|                     |         |   |
|---------------------|---------|---|
| IOGP                | Primary | Y |
| EFFECTIVE_DATE      |         |   |
| OVERHEAD_GROUP_CODE |         |   |
| POINT_OF_APPRAISAL  |         |   |

|                                                 |                |                     |                            |                       |
|-------------------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> INTERIOR_SILVICULTURE_GROUP |                |                     | <i>Short Name:</i>         | ISG                   |
| <i>Plural:</i>                                  | INT_SILV_GROUP |                     |                            |                       |
| <i>Init. Volume:</i>                            | 0              | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                                 |                |                     | <i>Annual Growth Rate:</i> | 0%                    |

*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> |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SILVICULTURE_GROUP_ID                                                                                                    |               | N          | VARCHAR2      | 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_INDICATOR                                                                                                        |               | N          | VARCHAR2      | 1             |
| An indication to whether or not the silviculture group and organizational unit association has been reviewed and approved. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                               |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

- \* MUST BE IS\_IDENTIFIED\_BY one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                                                    |         |   |
|----------------------------------------------------|---------|---|
| ISG                                                | Primary | Y |
| MUST BE IS_IDENTIFIED_BY one and only one ORG_UNIT |         |   |
| SILVICULTURE_GROUP_ID                              |         |   |
| EFFECTIVE_DATE                                     |         |   |

**Entity Name:** INTERIOR\_SUBGRADE\_COST\_ESTIMATE**Short Name:** ISCE1**Plural:** INT\_SBG\_CST\_TBL**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| * ROAD_TYPE_CODE                                                                                                             |               | N VARCHAR2               | 1             |
| The type of road for which this cost estimate is applicable. Valid values are 'M' (main) and 'O' (operational).              |               |                          |               |
| * SOIL_MOISTURE_TYPE_CODE                                                                                                    |               | N VARCHAR2               | 1             |
| A general description of the moisture content of the soil based on drainage pattern and vegetation.                          |               |                          |               |
| * UPHILL_SIDE_SLOPE_MAXIMUM                                                                                                  |               | N NUMBER                 | 5             |
| The upper percentage value of the side slope to determine the cost to subgrade a road.                                       |               |                          |               |
| * CONSTRUCTION_CATEGORY_CODE                                                                                                 |               | N VARCHAR2               | 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_INDICATOR                                                                                                          |               | N VARCHAR2               | 1             |
| An indication as to whether or not the interior subgrade cost estimate entry has been reviewed and approved.                 |               |                          |               |
| SUBGRADE_COST_ESTIMATE_PER_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.

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

\* MUST BE IS\_ESTIMATED\_FOR one and only one ORG\_UNIT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ISCE1 Primary Y

EFFECTIVE\_DATE

CONSTRUCTION\_CATEGORY\_CODE

UPHILL\_SIDE\_SLOPE\_MAXIMUM

SOIL\_MOISTURE\_TYPE\_CODE

ROAD\_TYPE\_CODE

MUST BE IS\_ESTIMATED\_FOR one and only one ORG\_UNIT

|                      |                               |                     |   |                            |      |
|----------------------|-------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | INTERIOR_WATER_TRANSPORT_COST |                     |   | <b>Short Name:</b>         | IWTC |
| <b>Plural:</b>       | INT_WTR_CST_TBL               |                     |   |                            |      |
| <b>Init. Volume:</b> | 1                             | <b>Avg. Volume:</b> | 1 | <b>Max. Volume:</b>        | 1    |
|                      |                               |                     |   | <b>Annual Growth Rate:</b> | 0%   |

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> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * APPR_INT_WATER_TRANSPORT_CODE                                                                                                                         |               | 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_INDICATOR                                                                                                                                     |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the water transportation cost estimate entry has been reviewed and approved.                                         |               |            |               |               |
| WATER_TRANSPORTATION_COST_PER_M3                                                                                                                        |               | N          | NUMBER        | 5,2           |
| Costs per cubic metre for the applicable water transport type.                                                                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                            |               |            |               |               |

Unique Identifiers:

|                               |         |   |
|-------------------------------|---------|---|
| IWTC                          | Primary | Y |
| EFFECTIVE_DATE                |         |   |
| LAKE_TRANSPORT_ST             |         |   |
| APPR_INT_WATER_TRANSPORT_CODE |         |   |

|                                                   |                 |                     |                            |                       |
|---------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> INT_ISOLATED_CUTTING_COST_EST |                 |                     | <b>Short Name:</b>         | IICCE                 |
| <b>Plural:</b>                                    | INT_ISLTD_C_EST |                     |                            |                       |
| <b>Init. Volume:</b>                              | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                   |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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.                                                                                                                 |               |            |               |               |
| * ISOLATED_COST_LOCATION_CODE                                                                                                                                                                            |               | N          | VARCHAR2      | 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.                                          |               |            |               |               |
| ISOLATED_COST_ESTIMATE                                                                                                                                                                                   |               | 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_INDICATOR                                                                                                                                                                                      |               | N          | VARCHAR2      | 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:

|                             |         |   |
|-----------------------------|---------|---|
| IICCE                       | Primary | Y |
| ISOLATED_COST_LOCATION_CODE |         |   |
| EFFECTIVE_DATE              |         |   |

**Entity Name:** INT\_OVERHEAD\_AND\_ADMIN\_COST\_ES**Short Name:** IOAACE**Plural:** INT\_OHD\_CST\_TBL**Init. Volume:** 1**Avg. Volume:** 1**Max. Volume:** 1**Annual Growth Rate:** 0%**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> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * EFFECTIVE_DATE                                                                                                                                       |               | N          | DATE          |               |
| The date on which the overhead and administration record entries become effective.                                                                     |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the interior overhead and administration cost estimate entry has been reviewed and approved.                        |               |            |               |               |
| GENERAL_ADMIN_COST_PER_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_COST_PER_M3                                                                                                                                |               | N          | NUMBER        | 5,2           |
| The cost estimate for non-administrative overhead incurred while harvesting the timber.                                                                |               |            |               |               |
| REMOTE_ACCOMMODATION_COST_PER_M3                                                                                                                       |               | N          | NUMBER        | 5,2           |
| The additional administrative and overhead cost incurred by remote operations.                                                                         |               |            |               |               |
| NON_RMT_ACCOM_LE_15HR_COST_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.          |               |            |               |               |
| NON_RMT_ACCOM_GT_15HR_COST_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.

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

\* MUST BE IDENTIFIES\_COSTS\_FOR one and only one ORG\_UNIT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

IOAACE Primary Y

EFFECTIVE\_DATE

MUST BE IDENTIFIES\_COSTS\_FOR one and only one ORG\_UNIT

**Entity Name:** INT\_SILVICULTURE\_COST\_ESTIMATE**Short Name:** ISCE**Plural:** INTSILV\_CST\_TBL**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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_INDICATOR                                                                                                    |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the silviculture cost estimate entry has been reviewed and approved.                |               |            |               |               |
| CARIBOO_REGION_IND                                                                                                     |               | N          | VARCHAR2      | 1             |
| An indicator showing that this treatment regime is applicable to the Cariboo forest region.                            |               |            |               |               |
| CARIBOO_NETDOWN_FACTOR_PERCENT                                                                                         |               | N          | NUMBER        | 7,4           |
| A factor for reducing total area requiring silviculture as a result of logging activities in the Cariboo region.       |               |            |               |               |
| KAMLOOPS_REGION_IND                                                                                                    |               | N          | VARCHAR2      | 1             |
| An indicator showing that this treatment regime is applicable to the Kamloops forest region.                           |               |            |               |               |
| KAMLOOPS_NETDOWN_FACTOR_PERCENT                                                                                        |               | 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          | VARCHAR2      | 1             |
| An indicator showing that this treatment regime is applicable to the Nelson forest region.                             |               |            |               |               |
| NELSON_NETDOWN_FACTOR_PERCENT                                                                                          |               | N          | NUMBER        | 7,4           |
| A factor for reducing total area requiring silviculture as a result of logging activities in the Nelson region.        |               |            |               |               |
| PRINCE_GEORGE_REGION_IND                                                                                               |               | N          | VARCHAR2      | 1             |
| An indicator showing that this treatment is applicable to the Prince George forest region.                             |               |            |               |               |
| PRINCE_GEORGE_NETDOWN_FACTOR_PCT                                                                                       |               | N          | NUMBER        | 7,4           |
| A factor for reducing total area requiring silviculture as a result of logging activities in the Prince George area.   |               |            |               |               |
| PRINCE_RUPERT_REGION_IND                                                                                               |               | N          | VARCHAR2      | 1             |
| An indicator showing that this treatment regime applies to the Prince Rupert forest region.                            |               |            |               |               |
| PRINCE_RUPERT_NETDOWN_FACTOR_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_REGION_IND                                                                                                   |               | N          | VARCHAR2      | 1             |
| An indicator showing whether this treatment regime applies to the Vancouver Region.                                    |               |            |               |               |
| VANCOUVER_NETDOWN_FACTOR_PERCENT                                                                                       |               | N          | NUMBER        | 7,4           |
| A factor for reducing total area requiring silviculture as a result of logging activities in the Vancouver region.     |               |            |               |               |

| Entity Name: INT_SILVICULTURE_COST_ESTIMATE (cont'd)                                                                                                                   |   |        |  | Short Name: | ISCE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|--|-------------|------|
| 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. |   |        |  |             |      |
| NON_COMMERCIAL_BRUSH_FACTOR                                                                                                                                            | N | NUMBER |  | 3,2         |      |
| This factor is multiplied by the basic silviculture cost for a treatment regime for areas of non-commercialbrush.                                                      |   |        |  |             |      |
| BASIC_COST_EST_PER_HECTARE                                                                                                                                             | N | NUMBER |  | 5           |      |
| The cost estimate in \$ per hectare for this treatment regime.                                                                                                         |   |        |  |             |      |
| * = Attributes in primary unique identifier.                                                                                                                           |   |        |  |             |      |

Unique Identifiers:

|                  |         |   |
|------------------|---------|---|
| ISCE             | Primary | Y |
| EFFECTIVE_DATE   |         |   |
| TREATMENT_REGIME |         |   |

|                                                    |                 |                            |      |
|----------------------------------------------------|-----------------|----------------------------|------|
| <b>Entity Name:</b> INT_STABILIZING_MATERIAL_DEPTH |                 | <b>Short Name:</b>         | ISMD |
| <b>Plural:</b>                                     | INT_STBDPTH_TBL |                            |      |
| <b>Init. Volume:</b>                               | 1               | <b>Avg. Volume:</b>        | 1    |
|                                                    |                 | <b>Max. Volume:</b>        | 1    |
|                                                    |                 | <b>Annual Growth Rate:</b> | 0%   |

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          | VARCHAR2      | 1             |
| The type of road for which this cost estimate is applicable. Valid values are 'M' (main) and 'O' (operational).  |               |            |               |               |
| * SOIL_MOISTURE_TYPE_CODE                                                                                        |               | N          | VARCHAR2      | 1             |
| A general description of the moisture content of the soil based on drainage pattern and vegetation.              |               |            |               |               |
| * UPHILL_SIDE_SLOPE_MAXIMUM                                                                                      |               | N          | NUMBER        | 5             |
| The upper percentage value of the side slope to determine the amount of stabilizing material required.           |               |            |               |               |
| * CONSTRUCTION_CATEGORY_CODE                                                                                     |               | N          | VARCHAR2      | 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_INDICATOR                                                                                              |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the interior stabilizing material depth entry has been reviewed and approved. |               |            |               |               |
| STABILIZING_MATERIAL_DEPTH                                                                                       |               | N          | NUMBER        | 3,2           |
| The amount of stabilizing material required in metres for the side slope.                                        |               |            |               |               |

\* = Attributes in primary unique identifier.

Unique Identifiers:

|                            |         |   |
|----------------------------|---------|---|
| ISMD                       | Primary | Y |
| EFFECTIVE_DATE             |         |   |
| CONSTRUCTION_CATEGORY_CODE |         |   |
| ROAD_TYPE_CODE             |         |   |
| SOIL_MOISTURE_TYPE_CODE    |         |   |
| UPHILL_SIDE_SLOPE_MAXIMUM  |         |   |

|                      |                               |                            |       |
|----------------------|-------------------------------|----------------------------|-------|
| <b>Entity Name:</b>  | LANDING_AND_WROAD_RECONST_COS | <b>Short Name:</b>         | LAWRC |
| <b>Plural:</b>       | LWRD_RCNST_TBL                |                            |       |
| <b>Init. Volume:</b> | 0                             | <b>Avg. Volume:</b>        | 0     |
|                      |                               | <b>Max. Volume:</b>        | 0     |
|                      |                               | <b>Annual Growth Rate:</b> | 0%    |

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> |
|--------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * RECONSTRUCT_TYPE_CODE                                                                                                  |               | N          | VARCHAR2      | 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_INDICATOR                                                                                                      |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the landing and winter road reconstruction cost entry has been reviewed and approved. |               |            |               |               |
| LANDING_WINTER_ROAD_COST                                                                                                 |               | N          | NUMBER        | 5             |
| The cost to reconstruct a single winter road or a landing.                                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                             |               |            |               |               |

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| LAWRC                 | Primary | Y |
| EFFECTIVE_DATE        |         |   |
| RECONSTRUCT_TYPE_CODE |         |   |



|                                           |                 |                     |                            |                       |
|-------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> LANDING_COST_ESTIMATE |                 |                     | <b>Short Name:</b>         | LCE                   |
| <b>Plural:</b>                            | LANDNG_COST_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                      | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                           |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|-----------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SOIL_MOISTURE_TYPE_CODE                                                                                             |               | N          | VARCHAR2      | 1             |
| A general description of the moisture content of the soil based on drainage pattern and vegetation.                   |               |            |               |               |
| * UPHILL_SIDE_SLOPE_MAXIMUM                                                                                           |               | N          | NUMBER        | 5             |
| The upper percentage value of the side slope to determine the cost estimate per landing.                              |               |            |               |               |
| * CONSTRUCTION_CATEGORY_CODE                                                                                          |               | N          | VARCHAR2      | 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_INDICATOR                                                                                                   |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the landing cost estimate entry has been reviewed and approved.                    |               |            |               |               |
| LANDING_COST                                                                                                          |               | N          | NUMBER        | 10            |
| The cost to construct the indicated landing.                                                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                          |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE ARE\_IDENTIFIED\_FOR one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                      |         |   |
|------------------------------------------------------|---------|---|
| LCE                                                  | Primary | Y |
| EFFECTIVE_DATE                                       |         |   |
| CONSTRUCTION_CATEGORY_CODE                           |         |   |
| UPHILL_SIDE_SLOPE_MAXIMUM                            |         |   |
| SOIL_MOISTURE_TYPE_CODE                              |         |   |
| MUST BE ARE_IDENTIFIED_FOR one and only one ORG_UNIT |         |   |

|                      |                               |                            |      |
|----------------------|-------------------------------|----------------------------|------|
| <b>Entity Name:</b>  | LOGGING_SYSTEM_SPECIES_VOLUME | <b>Short Name:</b>         | LSSV |
| <b>Plural:</b>       | LOGSYS_SPC_VOL                |                            |      |
| <b>Init. Volume:</b> | 0                             | <b>Avg. Volume:</b>        | 0    |
|                      |                               | <b>Max. Volume:</b>        | 0    |
|                      |                               | <b>Annual Growth Rate:</b> | 0%   |

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. |               |            |               |               |
| * APPRAISAL_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        | 10            |
| The volume of logs removed for a specific tree species within a logging method.                                                                                  |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                     |               |            |               |               |

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| LSSV                     | Primary | Y |
| HDBS_TREE_SPECIES        |         |   |
| HARVEST_SYSTEM_ST        |         |   |
| LOGGING_SYSTEM_CD        |         |   |
| APPRAISAL_EFFECTIVE_DATE |         |   |
| TIMBER_MARK              |         |   |

|                      |                               |                     |   |                            |       |
|----------------------|-------------------------------|---------------------|---|----------------------------|-------|
| <b>Entity Name:</b>  | LOGGING_SYSTEM_VOLUME_AND_RAT |                     |   | <b>Short Name:</b>         | LSVAR |
| <b>Plural:</b>       | LOGSYS_VOL_RATE               |                     |   |                            |       |
| <b>Init. Volume:</b> | 0                             | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0     |
|                      |                               |                     |   | <b>Annual Growth Rate:</b> | 0%    |

*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        | 10            |
| 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:*

|       |         |   |
|-------|---------|---|
| LSVAR | Primary | Y |
|-------|---------|---|

LOGGING\_SYSTEM\_ST

MUST BE APPLIES\_TO one and only one APP\_TREE\_TO\_TRUCK\_COST

|                                        |                 |                     |                            |                       |
|----------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> LRF_UPDATE_FACTORS |                 |                     | <b>Short Name:</b>         | LUF                   |
| <b>Plural:</b>                         | LRF_UPDFCTR_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                   | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                        |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_CALCULATION_METHOD_CODE                                                                                                                                                                                                         |               | N          | VARCHAR2      | 3             |
| Identifies the calculation method used to establish stumpage rates.                                                                                                                                                                    |               |            |               |               |
| * LUMBER_RECOVERY_FACTOR_ZONE                                                                                                                                                                                                          |               | N          | NUMBER        | 5             |
| 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_INDICATOR                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the LRF update factor entry has been reviewed and approved.                                                                                                                                         |               |            |               |               |
| LRF_UPDATE_FACTOR_FBM_PER_M3                                                                                                                                                                                                           |               | N          | NUMBER        | 5             |
| 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.                                                                           |               |            |               |               |
| COMBINED_PRODUCT_RECOVERY_FACTOR                                                                                                                                                                                                       |               | N          | NUMBER        | 5             |
| 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:

|                              |         |   |
|------------------------------|---------|---|
| LUF                          | Primary | Y |
| EFFECTIVE_DATE               |         |   |
| HDBS_TREE_SPECIES            |         |   |
| LUMBER_RECOVERY_FACTOR_ZONE  |         |   |
| RATE_CALCULATION_METHOD_CODE |         |   |

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

Description:

The value used to adjust manufacturing costs based on point of appraisal and species.

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                                                                                                                             |               | Y          | DATE          |               |
| The date on which the cost adjustment is effective.                                                                                          |               |            |               |               |
| * HDBS_TREE_SPECIES                                                                                                                          |               | N          | VARCHAR2      | 2             |
| The two character species code used to identify a tree species.                                                                              |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                          |               | N          | CHAR          | 1             |
| An indication as to whether or not the manufacturing cost adjustment entry has been reviewed and approved.                                   |               |            |               |               |
| COST_ADJUSTMENT                                                                                                                              |               | N          | NUMBER        | 4,2           |
| A value to be added to adjust the Species Manufacturing cost per cubic metre.                                                                |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                 |               |            |               |               |

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| MCA                | Primary | Y |
| PT_OF_APPRAISAL_ST |         |   |
| EFFECTIVE_DATE     |         |   |
| HDBS_TREE_SPECIES  |         |   |

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

*Description:*  
Average manufacturing cost adjustment applied to exempt licences.

*Attributes:*

| <u>Name</u>                                                                                | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * HDBS_TREE_SPECIES                                                                        |               | N          | VARCHAR2      | 2             |
| * BASELINE_EFFECTIVE_DATE                                                                  |               | N          | DATE          |               |
| The date on which the baseline cost is effective.                                          |               |            |               |               |
| COMMITTED_INDICATOR                                                                        |               | N          | CHAR          | 1             |
| An indication as to whether or not the baseline cost entry has been reviewed and approved. |               |            |               |               |
| BASELINE_COST_ADJUSTMENT                                                                   |               | N          | NUMBER        | 4,2           |
| Average manufacturing cost adjustment per tree species applicable to exempt licences.      |               |            |               |               |
| * = <i>Attributes in primary unique identifier.</i>                                        |               |            |               |               |

*Unique Identifiers:*

|                                |                |   |
|--------------------------------|----------------|---|
| MCB                            | <i>Primary</i> | Y |
| <i>HDBS_TREE_SPECIES</i>       |                |   |
| <i>BASELINE_EFFECTIVE_DATE</i> |                |   |

|                                                  |                     |                     |                            |      |
|--------------------------------------------------|---------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> MANUFACTURING COST EXEMPTION |                     |                     | <b>Short Name:</b>         | MCE1 |
| <i>Plural:</i> MANUFACTURING COST EXEMPTION      |                     |                     |                            |      |
| <i>Init. Volume:</i>                             | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |      |

**Description:**

A list of licenses for which a baseline value for manufacturing cost is applied instead of the actual Point of appraisal values.

**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 exemption is effective.                                                             |               |            |               |               |
| EXPIRY_DATE                                                                                               |               | N          | DATE          |               |
| The date on which the exemption has expired.                                                              |               |            |               |               |
| COMMITTED_INDICATOR                                                                                       |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the manufacturing cost exemption entry has been reviewed and approved. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                              |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

\* MUST BE exempted by one and only one PROV\_FOREST\_USE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|      |         |   |
|------|---------|---|
| MCE1 | Primary | Y |
|------|---------|---|

MUST BE exempted by one and only one PROV\_FOREST\_USE

EFFECTIVE\_DATE

|                                                 |                 |                            |     |
|-------------------------------------------------|-----------------|----------------------------|-----|
| <b>Entity Name:</b> MANUFACTURING_COST_ESTIMATE |                 | <i>Short Name:</i>         | MCE |
| <i>Plural:</i>                                  | MANUFACT_CST_TB |                            |     |
| <i>Init. Volume:</i>                            | 0               | <i>Avg. Volume:</i>        | 0   |
|                                                 |                 | <i>Max. Volume:</i>        | 0   |
|                                                 |                 | <i>Annual Growth Rate:</i> | 0%  |

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> |
|----------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * MANUFACTURING_ZONE                                                                                     |               | N          | NUMBER        | 5             |
| 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_MAXIMUM                                                                                      |               | N          | NUMBER        | 5             |
| 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_INDICATOR                                                                                      |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the manufacturing cost estimate entry has been reviewed and approved. |               |            |               |               |
| MANUFACTURING_COST_PER_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:

|                    |         |   |
|--------------------|---------|---|
| MCE                | Primary | Y |
| EFFECTIVE_DATE     |         |   |
| DECAY_PCT_MAXIMUM  |         |   |
| HDBS_TREE_SPECIES  |         |   |
| MANUFACTURING_ZONE |         |   |

|                      |                                  |                     |                            |
|----------------------|----------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b>  | MARKET PRICE SYSTEM TREND FACTOI | <b>Short Name:</b>  | MPSTF                      |
| <b>Plural:</b>       | MARKET PRICE SYS TREND FACTOR    |                     |                            |
| <b>Init. Volume:</b> | <b>Avg. Volume:</b>              | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Factors applied to the Tenure Obligation Adjustment cost estimates to make them current. The trend factor is used to provide a common cost to all the adjustments 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 METHOD CODE                                                                                                |               | N          | VARCHAR2      | 1             |
| The method used to determine the appraisal. Eg. 'C' = Coast, 'I' = Interior.                                           |               |            |               |               |
| * POLICY EFFECTIVE DATE                                                                                                |               | N          | DATE          |               |
| The date on which the appraisal manual or policy becomes effective.                                                    |               |            |               |               |
| * FACTOR EFFECTIVE DATE                                                                                                |               | N          | DATE          |               |
| The date the Tenure Obligation Adjustment trend factor becomes effective.                                              |               |            |               |               |
| COMMITTED INDICATOR                                                                                                    |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the cost trend entry has been reviewed and approved.                                |               |            |               |               |
| TENR OBLGTN AJSTMNT TRND FCTR                                                                                          |               | N          | NUMBER        | 5,3           |
| The trend factor value applied to the Tenure Obligation Adjustment costs to update these costs to the applicable date. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                           |               |            |               |               |

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| MPSTF                 | Primary | Y |
| APPRAISAL METHOD CODE |         |   |
| POLICY EFFECTIVE DATE |         |   |
| FACTOR EFFECTIVE DATE |         |   |

|                              |          |                     |                            |                       |
|------------------------------|----------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> ORG_UNIT |          |                     | <b>Short Name:</b>         | OU                    |
| <i>Plural:</i>               | ORG_UNIT |                     |                            |                       |
| <i>Init. Volume:</i>         | 1        | <i>Avg. Volume:</i> | 1                          | <i>Max. Volume:</i> 1 |
|                              |          |                     | <i>Annual Growth Rate:</i> | 1%                    |

Description:

A management unit consists of a Timber Supply Area and Timber Supply Block combination, or a Tree Farm Licence Id.

Attributes:

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

Relationships:

Each Occurrence Of This Entity:

- MAY BE district identified by one or more APP\_HIST\_REGION
  - MAY BE identifies region for one or more APP\_HIST\_REGION
  - MAY BE APPLIES one or more APP\_BSILV\_M3TBL
  - MAY BE HAS one or more APP\_RD\_COST\_TBL
  - MAY BE CONTAINS one or more DFLT\_STMPG\_RT\_T
  - MAY BE CONDUCTS\_APPRAISALS\_USING one and only one DISTRICT\_APPRAISAL\_METHOD
  - MAY BE BELONGS\_TO one or more INT\_SILV\_GROUP
  - MAY BE ADMINISTERS one or more INT\_SBG\_CST\_TBL
  - MAY BE HAS one or more INT\_OHD\_CST\_TBL
  - MAY BE HAS one or more LNDG\_BLDR\_CST\_T
  - MAY BE CONTAINS one or more LANDNG\_COST\_TBL
  - MAY BE ADMINISTERS one or more OTHR\_TR\_CST\_TBL
  - MAY BE HAS one and only one POST\_HARVEST\_TREATMENT\_COST\_TBL
  - MAY BE HAS one or more PST\_LG\_TRTMT\_TB
  - MAY BE CONTAINS one or more APP\_SILVCST\_TBL
  - MAY BE HAS one or more SPEC\_SLV\_CST\_TB
  - MAY BE APPLIES\_COST\_FOR one and only one TREE\_TO\_TRUCK\_OTHER\_COSTS
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|             |         |   |
|-------------|---------|---|
| OU          | Primary | Y |
| ORG_UNIT_NO |         |   |

|                                          |                 |                     |                            |                       |
|------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> OTHER_TRANSPORT_COST |                 |                     | <b>Short Name:</b>         | OTC                   |
| <b>Plural:</b>                           | OTHR_TR_CST_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                     | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                          |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| COMMITTED_INDICATOR                                                                                                            |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated other transportation cost record has been reviewed and approved.             |               |            |               |               |
| ROUTINE_MAINTENANCE_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. |               |            |               |               |
| * REMOTENESS_INDICATOR                                                                                                         |               | N          | VARCHAR2      | 1             |
| A flag to indicate if this is a remote operation.                                                                              |               |            |               |               |
| * EFFECTIVE_DATE                                                                                                               |               | N          | DATE          |               |
| The date on which the routine maintenance cost becomes effective.                                                              |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                   |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE REFERS\_TO one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                             |         |   |
|---------------------------------------------|---------|---|
| OTC                                         | Primary | Y |
| EFFECTIVE_DATE                              |         |   |
| REMOTENESS_INDICATOR                        |         |   |
| MUST BE REFERS_TO one and only one ORG_UNIT |         |   |

|                                                      |                 |                            |    |
|------------------------------------------------------|-----------------|----------------------------|----|
| <b>Entity Name:</b> OVERHEAD_AND_ADMIN_COST_ESTIMATE |                 | <b>Short Name:</b> OAACE   |    |
| <b>Plural:</b>                                       | OV_ADM_COST_TBL |                            |    |
| <b>Init. Volume:</b>                                 | 0               | <b>Avg. Volume:</b>        | 0  |
|                                                      |                 | <b>Max. Volume:</b>        | 0  |
|                                                      |                 | <b>Annual Growth Rate:</b> | 0% |

**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.

| <b>Attributes:</b>                                                                                                                                                                                                                                                                |               |                          |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------|
| <u>Name</u>                                                                                                                                                                                                                                                                       | <u>Domain</u> | <u>Opt</u> <u>Format</u> | <u>Length</u> |
| * APPRAISAL_OVERHEAD_CODE                                                                                                                                                                                                                                                         |               | 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.                                                                     |               |                          |               |
| * ACCESSIBLE_CUT_AREA_INDICATOR                                                                                                                                                                                                                                                   |               | 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_INDICATOR                                                                                                                                                                                                                                                               |               | 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:**

|                               |         |   |
|-------------------------------|---------|---|
| OAACE                         | Primary | Y |
| ACCESSIBLE_CUT_AREA_INDICATOR |         |   |
| APPRAISAL_OVERHEAD_CODE       |         |   |
| EFFECTIVE_DATE                |         |   |

|                                  |              |                     |                            |                       |
|----------------------------------|--------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> PERMIT_BLOCK |              |                     | <i>Short Name:</i>         | PB                    |
| <i>Plural:</i>                   | PERMIT_BLOCK |                     |                            |                       |
| <i>Init. Volume:</i>             | 0            | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                  |              |                     | <i>Annual Growth Rate:</i> | 0%                    |

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.                                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                           |               |            |               |               |

Unique Identifiers:

|                   |         |   |
|-------------------|---------|---|
| PB                | Primary | Y |
| CUTTING_PERMIT_ID |         |   |
| FOREST_FILE_ID    |         |   |
| PERMIT_BLOCK_ID   |         |   |

|                                        |                 |                     |                            |                       |
|----------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> POINT_OF_APPRAISAL |                 |                     | <b>Short Name:</b>         | POA                   |
| <b>Plural:</b>                         | PT_OF_APPRAISAL |                     |                            |                       |
| <b>Init. Volume:</b>                   | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                        |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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 indentifies 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> |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * POINT_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_INDICATOR                                                                                                                          |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the point of appraisal table entry has been reviewed and approved.                                        |               |            |               |               |
| MANUFACTURING_ZONE                                                                                                                           |               | N          | NUMBER        | 5             |
| This is the manufacturing zone applicable for this point of appraisal.                                                                       |               |            |               |               |
| SPECIES_LUMBER_SELL_PRICE_ZONE                                                                                                               |               | N          | NUMBER        | 5             |
| The lumber selling price zone which is assigned according to Point of Appraisal and Effective Date.                                          |               |            |               |               |
| LUMBER_RECOVERY_FACTOR_ZONE                                                                                                                  |               | N          | NUMBER        | 5             |
| The Lumber Recovery Factor (LRF) 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_REGION_IND                                                                                                                          |               | N          | VARCHAR2      | 1             |
| Indicates when set to "Y" that this point of appraisal is valid for the Kamloops Region.                                                     |               |            |               |               |
| NELSON_REGION_IND                                                                                                                            |               | N          | VARCHAR2      | 1             |
| Indicates when set to "Y" that this point of appraisal is valid for the Nelson Region.                                                       |               |            |               |               |
| PRINCE_GEORGE_REGION_IND                                                                                                                     |               | N          | VARCHAR2      | 1             |
| Indicates when set to "Y" that this point of appraisal is valid for the Prince George Region.                                                |               |            |               |               |
| PRINCE_RUPERT_REGION_IND                                                                                                                     |               | N          | VARCHAR2      | 1             |
| Indicates when set to "Y" that this point of appraisal is valid for the Prince Rupert Region.                                                |               |            |               |               |
| VANCOUVER_REGION_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                   | Primary | Y |
| POINT_OF_APPRAISAL_ST |         |   |
| EFFECTIVE_DATE        |         |   |

|                      |                                |                     |   |                            |       |
|----------------------|--------------------------------|---------------------|---|----------------------------|-------|
| <b>Entity Name:</b>  | POST_HARVEST_TREATMENT_COST_TB |                     |   | <b>Short Name:</b>         | PHTCT |
| <b>Plural:</b>       | PST_HARV_TRT_TB                |                     |   |                            |       |
| <b>Init. Volume:</b> | 0                              | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0     |
|                      |                                |                     |   | <b>Annual Growth Rate:</b> | 0%    |

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> |
|-------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * POST_LOGGING_TREATMENT_CODE                                                                                     |               | 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_INDICATOR                                                                                               |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the post logging treatment cost estimate entry has been reviewed and approved. |               |            |               |               |
| POST_LOGGING_TREATMENT_COST_M3                                                                                    |               | N          | NUMBER        | 3,2           |
| The cost of each post logging treatment expressed in \$ per m3.                                                   |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                      |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

|                                                      |
|------------------------------------------------------|
| * MUST BE IS_IDENTIFIED_BY one and only one ORG_UNIT |
| * = Relationships in primary unique identifier.      |

Unique Identifiers:

|                                                    |         |   |
|----------------------------------------------------|---------|---|
| PHTCT                                              | Primary | Y |
| EFFECTIVE_DATE                                     |         |   |
| POST_LOGGING_TREATMENT_CODE                        |         |   |
| MUST BE IS_IDENTIFIED_BY one and only one ORG_UNIT |         |   |

|                                                     |                 |                            |       |
|-----------------------------------------------------|-----------------|----------------------------|-------|
| <b>Entity Name:</b> POST_LOGGING_TREATMENT_COST_ES' |                 | <b>Short Name:</b>         | PLTCE |
| <b>Plural:</b>                                      | PST_LG_TRTMT_TB |                            |       |
| <b>Init. Volume:</b>                                | 0               | <b>Avg. Volume:</b>        | 0     |
|                                                     |                 | <b>Max. Volume:</b>        | 0     |
|                                                     |                 | <b>Annual Growth Rate:</b> | 0%    |

Description:

Post logging costs are incurred after logging because of treatments specified in the cutting authority.

Attributes:

| <u>Name</u>                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SILVICULTURE_SYSTEM_CODE                                                                                                    |               | N          | VARCHAR2      | 7             |
| The silviculture branch's way of recognizing the harvest method for which the treatment is required (selective or clear cut). |               |            |               |               |
| * APPRAISAL_SPECIES_GROUP_CODE                                                                                                |               | N          | NUMBER        | 5             |
| The species group code as defined in tree to truck variables for ground skidding systems.                                     |               |            |               |               |
| * APPRAISALS_SPECIES_TYPECODE                                                                                                 |               | N          | NUMBER        | 5             |
| A number representing the species composition that was harvested. Valid range: 1 through 5.                                   |               |            |               |               |
| * POST_LOGGING_TREATMENT_CODE                                                                                                 |               | N          | VARCHAR2      | 2             |
| The code identifying the post logging treatment.                                                                              |               |            |               |               |
| * EFFECTIVE_DATE                                                                                                              |               | N          | DATE          |               |
| The date on which the post logging treatment cost becomes effective.                                                          |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                           |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the post logging treatment cost estimate entry has been reviewed and approved.             |               |            |               |               |
| POST_LOGGING_TREATMENT_COST_M3                                                                                                |               | N          | NUMBER        | 3,2           |
| The cost of each post logging treatment expressed in \$ per m3.                                                               |               |            |               |               |
| POST_LOGGING_TREATMENT_COST_HA                                                                                                |               | N          | NUMBER        | 5,2           |
| The cost of each post logging treatment expressed in \$ per hectare.                                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE IS\_IDENTIFIED\_FOR one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                     |         |   |
|-----------------------------------------------------|---------|---|
| PLTCE                                               | Primary | Y |
| EFFECTIVE_DATE                                      |         |   |
| POST_LOGGING_TREATMENT_CODE                         |         |   |
| APPRAISALS_SPECIES_TYPECODE                         |         |   |
| APPRAISAL_SPECIES_GROUP_CODE                        |         |   |
| SILVICULTURE_SYSTEM_CODE                            |         |   |
| MUST BE IS_IDENTIFIED_FOR one and only one ORG_UNIT |         |   |

|                                     |                 |                     |                            |                       |
|-------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> PROV_FOREST_USE |                 |                     | <i>Short Name:</i>         | PFU                   |
| <i>Plural:</i>                      | PROV_FOREST_USE |                     |                            |                       |
| <i>Init. Volume:</i>                | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                     |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

Description:

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

Attributes:

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

Relationships:

Each Occurrence Of This Entity:

MAY BE has historical location one and only one APPRAISAL HISTORICAL REGION

MAY BE license for one or more MANUFACTURING COST EXEMPTION

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                |         |   |
|----------------|---------|---|
| PFU            | Primary | Y |
| FOREST_FILE_ID |         |   |

|                                                |                |                     |                            |                       |
|------------------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> ROUTINE_ROAD_MTCE_COST_EST |                |                     | <b>Short Name:</b>         | RRMCE                 |
| <b>Plural:</b>                                 | RTN_RD_MTC_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                           | 0              | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * MANAGEMENT_UNIT_XREF                                                                                                        |               | N          | VARCHAR2      | 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_INDICATOR                                                                                                           |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the routine road maintenance cost estimate entry has been reviewed and approved.           |               |            |               |               |
| ROUTINE_MAINTENANCE_COST_PER_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:

|                      |         |   |
|----------------------|---------|---|
| RRMCE                | Primary | Y |
| EFFECTIVE_DATE       |         |   |
| MANAGEMENT_UNIT_ID   |         |   |
| MANAGEMENT_UNIT_XREF |         |   |

|                                        |                |                     |                            |                       |
|----------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SAR_NOTICE_MESSAGE |                |                     | <i>Short Name:</i>         | SNM                   |
| <i>Plural:</i>                         | SAR_NOTICE_MSG |                     |                            |                       |
| <i>Init. Volume:</i>                   | 0              | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                        |                |                     | <i>Annual Growth Rate:</i> | 0%                    |

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_METHOD_CODE                                                                                                                        |               | N          | VARCHAR2      | 1             |
| A one character code representing the appraisal method that this company entry applies to.<br>Valid values are 'I' (Interior) and 'C' (Coast). |               |            |               |               |
| * EFFECTIVE_ONLY_DATE                                                                                                                          |               | 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_INDICATOR                                                                                                                            |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated notice message has been reviewed and approved.                                               |               |            |               |               |
| MESSAGE_TEXT_LINE_ONE                                                                                                                          |               | N          | VARCHAR2      | 70            |
| The 1st line of text for the stumpage adjustment notice message.                                                                               |               |            |               |               |
| MESSAGE_TEXT_LINE_TWO                                                                                                                          |               | N          | VARCHAR2      | 70            |
| The 2nd line of text for the stumpage adjustment notice message.                                                                               |               |            |               |               |
| MESSAGE_TEXT_LINE_THREE                                                                                                                        |               | N          | VARCHAR2      | 70            |
| The 3rd line of text for the stumpage adjustment notice message.                                                                               |               |            |               |               |
| MESSAGE_TEXT_LINE_FOUR                                                                                                                         |               | N          | VARCHAR2      | 70            |
| The 4th line of text for the stumpage adjustment notice message.                                                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                   |               |            |               |               |

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| SNM                   | Primary | Y |
| APPRAISAL_METHOD_CODE |         |   |
| EFFECTIVE_ONLY_DATE   |         |   |

|                                                |                 |                     |                            |                       |
|------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SILVICULTURE_COST_ESTIMATE |                 |                     | <i>Short Name:</i>         | SCE                   |
| <i>Plural:</i>                                 | APP_SILVCST_TBL |                     |                            |                       |
| <i>Init. Volume:</i>                           | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                                |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

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> |
|------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * 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_INDICATOR                                                                                        |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated silviculture cost record has been reviewed and approved. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                               |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE IS\_ADMINISTERED\_BY one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                      |         |   |
|------------------------------------------------------|---------|---|
| SCE                                                  | Primary | Y |
| EFFECTIVE_DATE                                       |         |   |
| MUST BE IS_ADMINISTERED_BY one and only one ORG_UNIT |         |   |

|                                                       |                 |                     |                            |                       |
|-------------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SILVICULTURE_GROUP_TREATMENT_COST |                 |                     | <b>Short Name:</b>         | SGTC                  |
| <b>Plural:</b>                                        | SILV_GRP_TRTCST |                     |                            |                       |
| <b>Init. Volume:</b>                                  | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                                       |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|-------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SILVICULTURE_GROUP_ID                                                                                           |               | N          | VARCHAR2      | 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_INDICATOR                                                                                               |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the silviculture cost estimate entry has been reviewed and approved.           |               |            |               |               |
| BASIC_COST_EST_PER_HECTARE                                                                                        |               | N          | NUMBER        | 5             |
| The cost estimate in \$ per hectare for this treatment regime.                                                    |               |            |               |               |
| NON_COMMERCIAL_BRUSH_FACTOR                                                                                       |               | N          | NUMBER        | 3,2           |
| This factor is multiplied by the basic silviculture cost for a treatment regime for areas of non-commercialbrush. |               |            |               |               |
| NETDOWN_FACTOR_PERCENT                                                                                            |               | 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:

|                       |         |   |
|-----------------------|---------|---|
| SGTC                  | Primary | Y |
| EFFECTIVE_DATE        |         |   |
| TREATMENT_REGIME      |         |   |
| SILVICULTURE_GROUP_ID |         |   |

**Entity Name:** SKYLINE\_YARDING**Short Name:** SY**Plural:** SKYLINE\_YARDING**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**Description:**

Represents factors that will modify the skyline yarding phase of an appraisal. These factors include: stand defect percent, heavy fire damage, dead useless snags, and blowdown.

**Attributes:**

| <u>Name</u>                                                                                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * HARVEST_SYSTEM_ST                                                                                                                         |               | N          | VARCHAR2      | 5             |
| Identifies the system used to harvest the timber mark.                                                                                      |               |            |               |               |
| SKYLINE_YARD_VOLUME                                                                                                                         |               | N          | NUMBER        | 10            |
| The volume of trees expressed in m3 harvested using skyline yarding.                                                                        |               |            |               |               |
| INTERIOR_BGC_ST                                                                                                                             |               | N          | VARCHAR2      | 4             |
| The most predominant Biogeoclimatic Zone of the area to be logged by skyline 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 skyline yarding logging methods.                                                               |               |            |               |               |
| VOLUME_PER_HECTARE_M3                                                                                                                       |               | N          | NUMBER        | 9,2           |
| Average net merchantable volume per hectare of the area to be logged by skyline yarding.                                                    |               |            |               |               |
| HEAVY_FIRE_DAMAGE_PERCENT                                                                                                                   |               | N          | NUMBER        | 5             |
| The percentage of net volume that has received heavy fire damage for the area that will be skyline yarded.                                  |               |            |               |               |
| DEAD_USELESS_SNAGS_PERCENT                                                                                                                  |               | N          | NUMBER        | 5             |
| The percent of dead useless snags in relation to the sum of conifer stems and snags for the area to be logged by skyline yarding.           |               |            |               |               |
| STAND_DEFECT_PERCENT                                                                                                                        |               | N          | NUMBER        | 5             |
| Percent of total decay, waste, and breakage in the stand to be skyline yarded. This figure is supplied from the cruise.                     |               |            |               |               |
| AVERAGE_SIDE_SLOPE_PERCENT                                                                                                                  |               | N          | NUMBER        | 5             |
| The unweighted average of the maximum side slopes of all cruise plots situated within the area to be logged.                                |               |            |               |               |
| BLOWDOWN_PERCENT                                                                                                                            |               | N          | NUMBER        | 5             |
| The percentage for the area of net volume that is not standing due to natural causes that will be skyline yarded.                           |               |            |               |               |
| HARVEST_PERCENTAGE                                                                                                                          |               | N          | NUMBER        | 5             |
| The percentage of the stand volume harvested.                                                                                               |               |            |               |               |
| SKYLINE_YARDING_DISTANCE                                                                                                                    |               | N          | NUMBER        | 5             |
| Average skyline slope distance (meters).                                                                                                    |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                |               |            |               |               |

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

\* MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SY Primary Y

HARVEST\_SYSTEM\_ST

MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

|                      |                                 |                     |   |                            |      |
|----------------------|---------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | SPECIAL_TRANSPORTATION_COST_EST |                     |   | <b>Short Name:</b>         | STCE |
| <b>Plural:</b>       | SPCL_TR_CST_TBL                 |                     |   |                            |      |
| <b>Init. Volume:</b> | 1                               | <b>Avg. Volume:</b> | 1 | <b>Max. Volume:</b>        | 1    |
|                      |                                 |                     |   | <b>Annual Growth Rate:</b> | 0%   |

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> |
|-------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SPECIAL_TRANSPORT_TYPE_CODE                                                                                     |               | 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_INDICATOR                                                                                               |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the special transportation cost estimate entry has been reviewed and approved. |               |            |               |               |
| SPECIAL_TRANSPORT_DESCRIPTION                                                                                     |               | N          | VARCHAR2      | 20            |
| The description for this special transportation type and cost.                                                    |               |            |               |               |
| SPECIAL_TRANSPORT_COST_PER_M3                                                                                     |               | N          | NUMBER        | 5,2           |
| A per cubic metre cost addition for special transportation situations.                                            |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                      |               |            |               |               |

Unique Identifiers:

|                             |         |   |
|-----------------------------|---------|---|
| STCE                        | Primary | Y |
| EFFECTIVE_DATE              |         |   |
| SPECIAL_TRANSPORT_TYPE_CODE |         |   |

|                                                |                 |                     |                            |                       |
|------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SPECIES_CHIP_YIELD_FACTORS |                 |                     | <i>Short Name:</i>         | SCYF                  |
| <i>Plural:</i>                                 | SPP_CHP_YLD_FCT |                     |                            |                       |
| <i>Init. Volume:</i>                           | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                                |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

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_SELLING_PRICE_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_INDICATOR                                                                                    |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the species chip yield factor entry has been reviewed and approved. |               |            |               |               |
| CHIP_YIELD_FACTOR_BDU_PER_FBM                                                                          |               | N          | NUMBER        | 10            |
| 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                     | Primary | Y |
| EFFECTIVE_DATE           |         |   |
| CHIP_SELLING_PRICE_GROUP |         |   |
| HDBS_TREE_SPECIES        |         |   |

|                                                 |                 |                     |                            |                       |
|-------------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SPECIES_GRADE_SELLING_PRICE |                 |                     | <i>Short Name:</i>         | SGSP                  |
| <i>Plural:</i>                                  | SPP_GRD_PRC_TBL |                     |                            |                       |
| <i>Init. Volume:</i>                            | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                                 |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

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> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * RATE_CALCULATION_METHOD_CODE                                                                                                                                                                                                  |               | N          | VARCHAR2      | 3             |
| Identifies the calculation method used to establish stumpage rates.                                                                                                                                                             |               |            |               |               |
| * SPP_SELLING_PRICE_ZONE                                                                                                                                                                                                        |               | N          | NUMBER        | 5             |
| The selling price zone that the harvested species is in.                                                                                                                                                                        |               |            |               |               |
| * 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_PER_CUBIC_METRE                                                                                                                                                                                                   |               | N          | NUMBER        | 6,2           |
| The selling price per cubic metre for a grade of a species.                                                                                                                                                                     |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                                                                                                             |               | N          | VARCHAR2      | 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:

|                              |         |   |
|------------------------------|---------|---|
| SGSP                         | Primary | Y |
| EFFECTIVE_DATE               |         |   |
| HDBS_SPP_PRD_GRADE           |         |   |
| SPP_SELLING_PRICE_ZONE       |         |   |
| RATE_CALCULATION_METHOD_CODE |         |   |

**Entity Name:** SPECIES\_PRODUCT\_SAWLOG\_FACTORS*Short Name:*

SPSF

*Plural:* AP\_SPP\_LGSL\_FCT*Init. Volume:* 0*Avg. Volume:* 0*Max. Volume:* 0*Annual Growth Rate:* 0%**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_METHOD_CODE                                                                                                                                                                                                         |               | N          | VARCHAR2      | 1             |
| A one character code representing the appraisal method that this company entry applies to.<br>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.<br>Please note that, for all intents and purposes, this date should correspond to a stumpage rate effective date.                     |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                                                                                                             |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated low grade saw log factor entry has been reviewed and approved.                                                                                                                |               |            |               |               |
| LOG_GRADE_SAW_LOG_FACTOR                                                                                                                                                                                                        |               | N          | NUMBER        | 3,2           |
| The factor applicable for low grade saw logs applied according to Appraisal Method, Species Product Grade and Effective Date.                                                                                                   |               |            |               |               |
| LOG_GRADE_SAWLOG_RATE                                                                                                                                                                                                           |               | N          | NUMBER        | 5,2           |
| Rate to be applied within Base Rate Calculation according to Species Product Grade and Appraisal Method.                                                                                                                        |               |            |               |               |

\* = Attributes in primary unique identifier.

**Unique Identifiers:**

SPSF

*Primary* Y*EFFECTIVE\_DATE**HDBS\_SPP\_PRD\_GRADE**APPRAISAL\_METHOD\_CODE*

|                                |         |   |
|--------------------------------|---------|---|
| SSACV                          | Primary | Y |
| EFFECTIVE_DATE                 |         |   |
| INTEGRATED_CHIP_ZONE_INDICATOR |         |   |
| POINT OF APPRAISAL CODE        |         |   |

|                      |                                 |                     |   |                            |      |
|----------------------|---------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | SPECIFIED_SILVICULTURE_COST_EST |                     |   | <i>Short Name:</i>         | SSCE |
| <i>Plural:</i>       | SPEC_SLV_CST_TB                 |                     |   |                            |      |
| <i>Init. Volume:</i> | 0                               | <i>Avg. Volume:</i> | 0 | <i>Max. Volume:</i>        | 0    |
|                      |                                 |                     |   | <i>Annual Growth Rate:</i> | 0%   |

Description:

The additional costs incurred for specific silviculture treatment methods and practices.

Attributes:

| <u>Name</u>                                                                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * 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_INDICATOR                                                                                                                            |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the specified silviculture cost estimate entry has been reviewed and approved.                              |               |            |               |               |
| SPECIFIED_SILV_TRTMNT_COST_HECT                                                                                                                |               | N          | NUMBER        | 5             |
| The cost in dollars per hectare to perform the specified silviculture treatment.                                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                   |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE IS\_IDENTIFIED\_FOR one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                     |         |   |
|-----------------------------------------------------|---------|---|
| SSCE                                                | Primary | Y |
| EFFECTIVE_DATE                                      |         |   |
| PEST_SPECIES_CODE                                   |         |   |
| MUST BE IS_IDENTIFIED_FOR one and only one ORG_UNIT |         |   |

|                                             |                 |                     |                            |                       |
|---------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> STABILIZING_DEPTH_TABLE |                 |                     | <b>Short Name:</b>         | SDT                   |
| <b>Plural:</b>                              | STABLZ_DPTH_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                        | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                             |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|---------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CONSTRUCTION_CATEGORY_CODE                                                                                        |               | N          | VARCHAR2      | 1             |
| The code representing the percentage of rock for the subgrade. Values 1 thru 6 are valid.                           |               |            |               |               |
| * UPHILL_SLIDE_SLOPE_MAX                                                                                            |               | N          | NUMBER        | 5             |
| The upper value to determine the side slope.                                                                        |               |            |               |               |
| * EFFECTIVE_DATE                                                                                                    |               | N          | DATE          |               |
| The date on which the stabilizing depth material value becomes effective.                                           |               |            |               |               |
| STABILIZING_MATERIAL_DEPTH                                                                                          |               | N          | NUMBER        | 3,2           |
| The amount of stabilizing material required in metres for the side slope.                                           |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                 |               | N          | VARCHAR2      | 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                        | Primary | Y |
| EFFECTIVE_DATE             |         |   |
| UPHILL_SLIDE_SLOPE_MAX     |         |   |
| CONSTRUCTION_CATEGORY_CODE |         |   |

|                      |                                |                     |   |                            |      |
|----------------------|--------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | SUBGRADE_BOULDER_COST_ESTIMATE |                     |   | <b>Short Name:</b>         | SBCE |
| <b>Plural:</b>       | SBGRD_BLDR_TBL                 |                     |   |                            |      |
| <b>Init. Volume:</b> | 0                              | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0    |
|                      |                                |                     |   | <b>Annual Growth Rate:</b> | 0%   |

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          | VARCHAR2      | 1             |
| A code representing the type of road. Valid values are 'M' (main) and 'O' (operational).                    |               |            |               |               |
| * BOULDER_PERCENT_MAXIMUM                                                                                   |               | N          | NUMBER        | 5             |
| 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_INDICATOR                                                                                         |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the subgrade boulder cost estimate entry has been reviewed and approved. |               |            |               |               |
| SUBGRADE_BOULDER_COST_EST_PER_KM                                                                            |               | N          | NUMBER        | 5             |
| The additional cost per kilometer anticipated to be incurred for the indicated boulder percent.             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                |               |            |               |               |

Unique Identifiers:

|                         |         |   |
|-------------------------|---------|---|
| SBCE                    | Primary | Y |
| EFFECTIVE_DATE          |         |   |
| BOULDER_PERCENT_MAXIMUM |         |   |
| ROAD_TYPE_CODE          |         |   |

|                                         |                 |                     |                            |                       |
|-----------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> SUBGRADE_COST_TABLE |                 |                     | <i>Short Name:</i>         | SCT                   |
| <i>Plural:</i>                          | SUBGRD_COST_TBL |                     |                            |                       |
| <i>Init. Volume:</i>                    | 0               | <i>Avg. Volume:</i> | 0                          | <i>Max. Volume:</i> 0 |
|                                         |                 |                     | <i>Annual Growth Rate:</i> | 0%                    |

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> |
|-----------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CONSTRUCTION_CATEGORY_CODE                                                                                    |               | N          | VARCHAR2      | 1             |
| The code representing the percentage of rock for the subgrade. Values 1 thru 6 are valid.                       |               |            |               |               |
| * ROCK_MASS_CLASS_CODE                                                                                          |               | N          | VARCHAR2      | 1             |
| The code is a rock hardness indicator for the subgrade. Valid values are 'H' (Hard) and'S' (Soft).              |               |            |               |               |
| * UPHILL_SLIDE_SLOPE_MAX                                                                                        |               | N          | NUMBER        | 5             |
| The upper value to determine the side slope.                                                                    |               |            |               |               |
| * EFFECTIVE_DATE                                                                                                |               | N          | DATE          |               |
| The date on which the subgrade cost becomes effective.                                                          |               |            |               |               |
| SUBGRADE_COST                                                                                                   |               | N          | NUMBER        | 5,1           |
| The estimated cost in thousands of dollars to add subgrade to an identified road which is required to be built. |               |            |               |               |
| COMMITTED_INDICATOR                                                                                             |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated subgrade cost record has been reviewed and approved.          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                    |               |            |               |               |

Unique Identifiers:

|                            |         |   |
|----------------------------|---------|---|
| SCT                        | Primary | Y |
| CONSTRUCTION_CATEGORY_CODE |         |   |
| EFFECTIVE_DATE             |         |   |
| ROCK_MASS_CLASS_CODE       |         |   |
| UPHILL_SLIDE_SLOPE_MAX     |         |   |

|                      |                                 |                     |   |                            |      |
|----------------------|---------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | TABULATED_CIRCULAR_CULVERT_COST |                     |   | <b>Short Name:</b>         | TCCC |
| <b>Plural:</b>       | C_CLVRT_CST_TBL                 |                     |   |                            |      |
| <b>Init. Volume:</b> | 0                               | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0    |
|                      |                                 |                     |   | <b>Annual Growth Rate:</b> | 0%   |

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_METHOD_CODE                                                                                                            |               | N          | VARCHAR2      | 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.                                                                   |               |            |               |               |
| * CIRCULAR_PIPE_DIAMETER                                                                                                           |               | N          | NUMBER        | 3,1           |
| The diameter of a metal curcular pipe culvert expressed in meters.                                                                 |               |            |               |               |
| * CIRCULAR_PIPE_LENGTH                                                                                                             |               | N          | NUMBER        | 5             |
| The length in metres of the culvert to be installed.                                                                               |               |            |               |               |
| COMMITTED_INDICATOR                                                                                                                |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the tabulated circular culvert cost entry has been reviewed and approved.                       |               |            |               |               |
| CULVERT_COST_ESTIMATE                                                                                                              |               | N          | NUMBER        | 10            |
| The cost estimate to install the indicated diameter of culvert pipe.                                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                       |               |            |               |               |

Unique Identifiers:

|                        |         |   |
|------------------------|---------|---|
| TCCC                   | Primary | Y |
| CIRCULAR_PIPE_LENGTH   |         |   |
| CIRCULAR_PIPE_DIAMETER |         |   |
| EFFECTIVE_DATE         |         |   |
| APPRAISAL_METHOD_CODE  |         |   |

|                                                   |                 |                     |      |
|---------------------------------------------------|-----------------|---------------------|------|
| <b>Entity Name:</b> TABULATED_PUNCHEON_CULVERT_CO |                 | <b>Short Name:</b>  | TPCC |
| <b>Plural:</b>                                    | PNCHN_CLVRT_TBL |                     |      |
| <b>Init. Volume:</b>                              | 0               | <b>Avg. Volume:</b> | 0    |
|                                                   |                 | <b>Max. Volume:</b> | 0    |
| <b>Annual Growth Rate:</b>                        |                 |                     | 0%   |

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          | VARCHAR2      | 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_INDICATOR                                                                                     |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the associated puncheon culvert cost has been reviewed and approved. |               |            |               |               |
| PUNCHEON_CULVERT_COST                                                                                   |               | N          | NUMBER        | 10            |
| The cost estimate for the log and puncheon culvert with the indicated abutment type.                    |               |            |               |               |
| * = Attributes in primary unique identifier.                                                            |               |            |               |               |

Unique Identifiers:

|                    |         |   |
|--------------------|---------|---|
| TPCC               | Primary | Y |
| EFFECTIVE_DATE     |         |   |
| ABUTMENT_TYPE_CODE |         |   |

|                                           |                |                     |                            |                       |
|-------------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> TABULATED_ROAD_DETAIL |                |                     | <b>Short Name:</b>         | TRD                   |
| <b>Plural:</b>                            | APP_TAB_RD_DTL |                     |                            |                       |
| <b>Init. Volume:</b>                      | 0              | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                           |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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        | 5             |
| 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.   |               |            |               |               |
| SUBGRADE_UPHILL_SLIDE_SLOPE_PC<br>T                                                                          |               | N          | NUMBER        | 3,2           |
| The subgrade uphill side slope percentage for a section of road as identified by the road section number.    |               |            |               |               |
| CONSTRUCTION_CATEGORY_CODE                                                                                   |               | N          | VARCHAR2      | 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_CODE                                                                                         |               | N          | VARCHAR2      | 1             |
| The code is a rock hardness indicator for the subgrade. Valid values are 'H' (Hard) and'S' (Soft).           |               |            |               |               |
| QUARRY_TRUCK_DISTANCE                                                                                        |               | N          | NUMBER        | 5,2           |
| The distance in kilometres from the source of the quarry material to the section midpoint.                   |               |            |               |               |
| QUARRY_MATERIAL_TYPE_CODE                                                                                    |               | N          | VARCHAR2      | 1             |
| The type of stabilizing material to be used. Valid values are 'G' = Gravel and 'R' = Rock.                   |               |            |               |               |
| QUARRY_ROCK_MASS_CLASS                                                                                       |               | N          | VARCHAR2      | 1             |
| The quarry rock type identifier. Valid values are 'H' or 'S'.                                                |               |            |               |               |
| CAPPING_TRUCK_DISTANCE                                                                                       |               | N          | NUMBER        | 5,2           |
| The distance in kilometres from the source of the capping material to the section midpoint.                  |               |            |               |               |
| CAPPING_MATERIAL_TYPE_CODE                                                                                   |               | N          | VARCHAR2      | 1             |
| The type of capping material used. Valid values are 'G' = gravel or 'R' = rock.                              |               |            |               |               |
| CAPPING_ROCK_MASS_CLASS                                                                                      |               | N          | VARCHAR2      | 1             |
| The rock hardness indicator. Valid values are 'H' and 'S'.                                                   |               |            |               |               |
| ROLLOVER_PERCENTAGE                                                                                          |               | N          | NUMBER        | 5             |
| A percentage of the costs (for an identified road section number) to be included in the current appraisal.   |               |            |               |               |
| BANK_HGHT_CAT_CD                                                                                             |               | Y          | VARCHAR2      | 4             |
| This column contains the character code describing the bank method category.                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                 |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE CONTAINS one and only one BANK\_HEIGHT\_COST

\* MUST BE IS\_CALCULATED\_FOR one and only one TABULATED\_ROAD\_SUMMARY

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                   |         |   |
|-------------------------------------------------------------------|---------|---|
| TRD                                                               | Primary | Y |
| SECTION_NUMBER                                                    |         |   |
| MUST BE IS_CALCULATED_FOR one and only one TABULATED_ROAD_SUMMARY |         |   |

|                                            |                |                     |                            |                       |
|--------------------------------------------|----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> TABULATED_ROAD_SUMMARY |                |                     | <b>Short Name:</b>         | TRS                   |
| <b>Plural:</b>                             | APP_TAB_RD_SUM |                     |                            |                       |
| <b>Init. Volume:</b>                       | 0              | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                            |                |                     | <b>Annual Growth Rate:</b> | 0%                    |

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_IDENTIFIER                                                            |               | 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        | 8,2           |
| Cost to develop identified tabulated roads per cubic metre.                  |               |            |               |               |
| TABULATED_ROAD_COST                                                          |               | N          | NUMBER        | 11,2          |
| The average cost of a tabulated road development per kilometre.              |               |            |               |               |
| NUMBER_OF_SECTIONS                                                           |               | N          | NUMBER        | 5             |
| Number of sections in a tabulated road.                                      |               |            |               |               |
| APPLICABLE_VOLUME                                                            |               | N          | NUMBER        | 10            |
| 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:

|                                                                |         |   |
|----------------------------------------------------------------|---------|---|
| TRS                                                            | Primary | Y |
| ROAD_IDENTIFIER                                                |         |   |
| MUST BE IS_PART_OF one and only one APPRAISAL_DEVELOPMENT_COST |         |   |

**Entity Name:** TENURE\_HISTORY**Short Name:** TH**Plural:** TENURE\_HISTORY**Init. Volume:** 0**Avg. Volume:** 0**Max. Volume:** 0**Annual Growth Rate:** 0%**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> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| ADMINISTRATION_DISTRICT_CODE                                                                                                                                                                                                                                |               | 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_IDENTIFIER                                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 3             |
| Cutting Permit identifier for a Timber Mark contained within a Forest File.                                                                                                                                                                                 |               |            |               |               |
| SMALL_BUSINESS_INDICATOR                                                                                                                                                                                                                                    |               | N          | VARCHAR2      | 1             |
| Indicator to specify the Forest File as part of the Small Business Forest Enterprise Program (SBFEP).                                                                                                                                                       |               |            |               |               |
| QUOTA_TYPE_CODE                                                                                                                                                                                                                                             |               | N          | VARCHAR2      | 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          | VARCHAR2      | 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.                                                                                                                                                                  |               |            |               |               |
| MANAGEMENT_UNIT_TYPE                                                                                                                                                                                                                                        |               | N          | VARCHAR2      | 1             |
| The type of Management Unit determines the applicable administrative policies for the forest land.                                                                                                                                                          |               |            |               |               |
| MANAGEMENT_UNIT_IDENTIFIER                                                                                                                                                                                                                                  |               | 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.                                                                                                                           |               |            |               |               |
| 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'. |               |            |               |               |
| CLIENT_LOCATION_CODE                                                                                                                                                                                                                                        |               | N          | VARCHAR2      | 2             |
| 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'.                  |               |            |               |               |

| Entity Name: TENURE_HISTORY (cont'd)                                                                                                                                                                                   |   |          | Short Name: | TH |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|-------------|----|
| APPRAISAL_METHOD_CODE                                                                                                                                                                                                  | N | VARCHAR2 | 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.                                                                         |   |          |             |    |
| SMALL_BUSINESS_CATEGORY_CODE                                                                                                                                                                                           | N | VARCHAR2 | 1           |    |
| Code specifying the type of end product expected from the harvested timber.                                                                                                                                            |   |          |             |    |
| GEOGRAPHIC_DISTRICT_CODE                                                                                                                                                                                               | N | VARCHAR2 | 3           |    |
| Code which specifies the Geographic Forest District for a Timber Mark.                                                                                                                                                 |   |          |             |    |
| ADMINISTRATION_REGION_CODE                                                                                                                                                                                             | N | VARCHAR2 | 3           |    |
| Code which specifies the Administrative Forest Region for a Timber Mark.                                                                                                                                               |   |          |             |    |
| QUOTA_TYPE_NAME                                                                                                                                                                                                        | N | VARCHAR2 | 100         |    |
| The description for the Quota Type Code attribute of this entity.                                                                                                                                                      |   |          |             |    |
| CASCADE_SPLIT_DESCRIPTION                                                                                                                                                                                              | N | VARCHAR2 | 100         |    |
| The description for the Cascade Split Code attribute of this entity.                                                                                                                                                   |   |          |             |    |
| FILE_TYPE_DESCRIPTION                                                                                                                                                                                                  | N | VARCHAR2 | 100         |    |
| The description for the File Type Code attribute of this entity.                                                                                                                                                       |   |          |             |    |
| MANAGEMENT_UNIT_TYPE_NAME                                                                                                                                                                                              | N | VARCHAR2 | 100         |    |
| The description for the Management Unit Type attribute.                                                                                                                                                                |   |          |             |    |
| MANAGEMENT_UNIT_ID_DESCRIPTOR                                                                                                                                                                                          | 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.                     |   |          |             |    |
| APPRAISAL_METHOD_DESCRIPTION                                                                                                                                                                                           | N | VARCHAR2 | 100         |    |
| The description for the Appraisal Method Code attribute of this entity.                                                                                                                                                |   |          |             |    |
| SMALL_BUSINESS_CATEGORY_DESC                                                                                                                                                                                           | N | VARCHAR2 | 100         |    |
| The description for the Small Business Category Code attribute of this entity.                                                                                                                                         |   |          |             |    |
| ADMINISTRATION_DISTRICT_NAME                                                                                                                                                                                           | N | VARCHAR2 | 100         |    |
| The name for the Administrative Forest District Code attribute of this entity.                                                                                                                                         |   |          |             |    |
| GEOGRAPHIC_DISTRICT_NAME                                                                                                                                                                                               | N | VARCHAR2 | 100         |    |
| The name for the Geographic Forest District Code attribute of this entity.                                                                                                                                             |   |          |             |    |
| ADMINISTRATIVE_REGION_NAME                                                                                                                                                                                             | N | VARCHAR2 | 100         |    |
| The name for the Administrative Forest Region Code attribute of this entity.                                                                                                                                           |   |          |             |    |
| * = Attributes in primary unique identifier.                                                                                                                                                                           |   |          |             |    |

Unique Identifiers:

|             |         |   |
|-------------|---------|---|
| TH          | Primary | Y |
| EXPIRY_DATE |         |   |
| TIMBER_MARK |         |   |

|                      |                              |                     |   |                            |      |
|----------------------|------------------------------|---------------------|---|----------------------------|------|
| <b>Entity Name:</b>  | TIMBERMARK_SUPPLY_BLOCK_LINK |                     |   | <b>Short Name:</b>         | TSBL |
| <b>Plural:</b>       | TMARK_TSB_LINK               |                     |   |                            |      |
| <b>Init. Volume:</b> | 0                            | <b>Avg. Volume:</b> | 0 | <b>Max. Volume:</b>        | 0    |
|                      |                              |                     |   | <b>Annual Growth Rate:</b> | 0%   |

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_IDENTIFIER                                                                                 |               | N          | VARCHAR2      | 1             |
| The identification associated with a TSB for the specified timber mark. Usually A-Z inclusive. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                   |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE REFERS\_TO one and only one TIMBER\_MARK
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                |         |   |
|------------------------------------------------|---------|---|
| TSBL                                           | Primary | Y |
| MUST BE REFERS_TO one and only one TIMBER_MARK |         |   |

|                                 |             |                     |                            |                       |
|---------------------------------|-------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> TIMBER_MARK |             |                     | <b>Short Name:</b>         | TM                    |
| <b>Plural:</b>                  | TIMBER_MARK |                     |                            |                       |
| <b>Init. Volume:</b>            | 0           | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                 |             |                     | <b>Annual Growth Rate:</b> | 0%                    |

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      | 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.                                                                                                                     |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE IS\_APPRAISED\_ON one or more APP\_WORKSHEET
  - MAY BE IS\_INCLUDED one and only one APPR\_HDBS\_TXN
  - MAY BE CONTAINS one and only one TIMBERMARK\_SUPPLY\_BLOCK\_LINK
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|             |         |   |
|-------------|---------|---|
| TM          | Primary | Y |
| TIMBER_MARK |         |   |

|                      |                                |                     |   |                            |         |
|----------------------|--------------------------------|---------------------|---|----------------------------|---------|
| <b>Entity Name:</b>  | TREE_TO_TRUCK_CBL_YARD_PART_CU |                     |   | <b>Short Name:</b>         | TTTCYPC |
| <b>Plural:</b>       | APPTTT_CBL_YPC                 |                     |   |                            |         |
| <b>Init. Volume:</b> | 1                              | <b>Avg. Volume:</b> | 1 | <b>Max. Volume:</b>        | 1       |
|                      |                                |                     |   | <b>Annual Growth Rate:</b> | 0%      |

**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> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| CABLE_YARDING_PARTIAL_CUT_VOLUME                                                                                                                       |               | N          | NUMBER        | 10            |
| 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_PERCENT                                                                                                                                    |               | N          | NUMBER        | 5             |
| The percentage of the stand volume harvested.                                                                                                          |               |            |               |               |
| HEAVY_FIRE_DAMAGE_PERCENT                                                                                                                              |               | N          | NUMBER        | 5             |
| 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_USELESS_SNAGS_PERCENT                                                                                                                             |               | N          | NUMBER        | 5             |
| 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_PERCENT                                                                                                                                   |               | N          | NUMBER        | 5             |
| Percent of total decay, waste, and breakage in the stand to be partial cut cable yarded. This figure is supplied from the cruise.                      |               |            |               |               |
| AVERAGE_SIDE_SLOPE_PERCENT                                                                                                                             |               | N          | NUMBER        | 5             |
| 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        | 5             |
| 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.       |               |            |               |               |
| VOLUME_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 MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

TTTCYPC Primary Y

MUST BE MODIFIES one and only one APPR\_INTERIOR\_TREE\_TO\_TRUCK\_COST

|                                               |                 |                     |                            |                       |
|-----------------------------------------------|-----------------|---------------------|----------------------------|-----------------------|
| <b>Entity Name:</b> TREE_TO_TRUCK_OTHER_COSTS |                 |                     | <b>Short Name:</b>         | TTTOC                 |
| <b>Plural:</b>                                | TTT_OTHRCST_TBL |                     |                            |                       |
| <b>Init. Volume:</b>                          | 0               | <b>Avg. Volume:</b> | 0                          | <b>Max. Volume:</b> 0 |
|                                               |                 |                     | <b>Annual Growth Rate:</b> | 0%                    |

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> |
|--------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * TREE_TO_TRUCK_OTHER_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_INDICATOR                                                                                    |               | N          | VARCHAR2      | 1             |
| An indication as to whether or not the tree to truck other costs entry has been reviewed and approved. |               |            |               |               |
| TREE_TO_TRUCK_OTHER_COST_DESC                                                                          |               | N          | VARCHAR2      | 25            |
| A textual description of the associated tree to truck 'other' cost.                                    |               |            |               |               |
| TREE_TO_TRUCK_OTHER_COST_PER_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.                                                           |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE ARE\_APPLIED\_FOR one and only one ORG\_UNIT
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                   |         |   |
|---------------------------------------------------|---------|---|
| TTTOC                                             | Primary | Y |
| EFFECTIVE_DATE                                    |         |   |
| TREE_TO_TRUCK_OTHER_COST_CODE                     |         |   |
| MUST BE ARE_APPLIED_FOR one and only one ORG_UNIT |         |   |

Short Name: WRSC

Init. Volume: 0                      Avg. Volume: 0

*Max. Volume: 0*

*Annual Growth Rate:* 0%

This entity represents the subgrade costs for constructing a winter road.

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

N NUMBER 5

|                  |        |
|------------------|--------|
| * EFFECTIVE_DATE | N DATE |
|------------------|--------|

|                     |            |   |
|---------------------|------------|---|
| COMMITTED_INDICATOR | N VARCHAR2 | 1 |
|---------------------|------------|---|

|                               |   |        |     |
|-------------------------------|---|--------|-----|
| SUBGRADE_COST_ESTIMATE_PER_KM | N | NUMBER | 9,2 |
|-------------------------------|---|--------|-----|

\* = Attributes in primary unique identifier.

|      |                |          |
|------|----------------|----------|
| WRSC | <i>Primary</i> | <i>Y</i> |
|------|----------------|----------|

UPHILL\_SIDE\_SLOPE\_MAXIMUM



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