Entity and Attribute Definitions Report

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Total Pages:	55
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Parameters

Application:	APT
Entities:	%
ER Diagram:	%
Include Entity Notes?	Y
Include Attribute Descriptions?	Y
Include Attribute Notes?	Y
Include Attribute Values?	Y
Include Table of Contents?	N
Include Index of Entities?	Y

Entity Name: APPORTIONMENT CATEGORY *Short Name:* APTCAT

Plural: APPORTIONMENT CATEGORIES

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

Description:

The categorization of the Form of Agreement codes used by Timber Tenure and Revenue. Each form of agreement can be used by one or more Management Unit types and is sorted

within that grouping. An indication is also given to whether or not commitments can be

entered against this form of agreement.

Data Custodian: Resource Tenures and Engineering Branch

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	APT FOA ST		N	VARCHAR2	6
	Form of Agreement Code				
*	APT MGMT UNIT ST		N	VARCHAR2	1
	Management Unit type code				
	COMMITABLE FOA IND		N	VARCHAR2	1
	Indication of whether code can be used by commitment				
	SORT ORDER		N	NUMBER	2,0
	Order the code should be sorted within MU				

** = Attributes in primary unique identifier.*

Unique Identifiers:

APTCAT1 *Primary Y*

APT FOA ST
APT MGMT UNIT ST

Entity Name: APPORTIONMENT DISTRIBUTION *Short Name:* APTD

Plural: APT DISTRIBUTIONS

Init. Volume: 50 *Avg. Volume:* 60 *Max. Volume:* 200 *Annual Growth Rate:* 2%

Description:

The user may record the volume of wood which may be

sold within a Management Unit by Organizational Unit staff.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	DISTRIBUTION VOLUME	STANDARD VOLUME	N	NUMBER	9,0
	The amount of the Management Unit's Apportionment AAC which can be sold by the District.				
	EFFECTIVE DATE	DATE	N	DATE	
	The date when the distribution volume becomes effective.				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE historically recorded by one or more APT DISTRIBUTION JN

MUST BE Assigned To one and only one MGMT UNIT ORG UNIT OVERLAP

MUST BE Summed To one and only one PARTITION APPORTIONMENT

** = Relationships in primary unique identifier.*

Unique Identifiers:

APTD2 *Primary N*

MUST BE Summed To one and only one PARTITION APPORTIONMENT

MUST BE Assigned To one and only one MGMT UNIT ORG UNIT OVERLAP

APTD1 *Primary Y*

ID

Entity Name: APPORTIONMENT DISTRIBUTION HISTO *Short Name:* ADISJ

Plural: APT DISTRIBUTION JN

Init. Volume: 47 *Avg. Volume:* 60 *Max. Volume:* 200 *Annual Growth Rate:* 5%

Description:

This is the historical record of changes to the Apportionment

Distribution.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
	JN OPERATION		N	CHAR	3
	Reverse Engineered from column JN_OPERATION of table APT_APT_DISTRIBUTION_JN				
	JN ORACLE USER		N	VARCHAR2	30
	Reverse Engineered from column JN_ORACLE_USER of table APT_APT_DISTRIBUTION_JN				
*	JN DATETIME	DATE TIME	Y	DATE	
	Reverse Engineered from column JN_DATETIME of table APT_APT_DISTRIBUTION_JN				
	JN NOTES		Y	VARCHAR2	300
	Reverse Engineered from column JN_NOTES of table APT_APT_DISTRIBUTION_JN				
	JN APPLN		Y	VARCHAR2	30
	Reverse Engineered from column JN_APPLN of table APT_APT_DISTRIBUTION_JN				
	JN SESSION		Y	NUMBER	38,0
	Reverse Engineered from column JN_SESSION of table APT_APT_DISTRIBUTION_JN				
*	ID	ID	N	NUMBER	10,0
	MUOUO_ID	ID	Y	NUMBER	10,0
	Reverse Engineered from column MUOUO_ID of table APT_APT_DISTRIBUTION_JN				
	DISTRIBUTION VOLUME	STANDARD VOLUME	Y	NUMBER	9,0
	Reverse Engineered from column DISTRIBUTION of table APT_APT_DISTRIBUTION_JN				
	EFFECTIVE DATE	DATE	Y	DATE	
	The date when the distribution volume becomes effective.				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE a historical record one and only one APPORTIONMENT DISTRIBUTION

** = Relationships in primary unique identifier.*

Unique Identifiers:

ADISJ1 *Primary* *Y*

ID
JN DATETIME

Entity Name: APPORTIONMENT EXCEPTION *Short Name:* APTEXCP

Plural: APPORTIONMENT EXCEPTIONS

Init. Volume: 200 *Avg. Volume:* 250 *Max. Volume:* 500 *Annual Growth Rate:* 10%

Description:

A reporting entity used to determine exceptions between apportioned amounts

and committed amounts for a form of agreement in a partition for a

management unit.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	MUH ID	ID	N	NUMBER	10,0
	Domain for system ID on all APT tables.				
*	APT PARTITION ST		N	VARCHAR2	3
*	APT FOA ST	CODE_ARGUMENT	N	VARCHAR2	50
	ALLOWABLE ANNUAL CUT		Y	NUMBER	9
	COMMITTED AAC		Y	NUMBER	9

** = Attributes in primary unique identifier.*

Unique Identifiers:

APTEXCP1 *Primary Y*

MUH ID
APT PARTITION ST
APT FOA ST

Entity Name: APT ENTITY *Short Name:* APT

Plural: APT ENTITIES

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

Description:

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*

** = Attributes in primary unique identifier.*

Entity Name: CODE LIST TABLE *Short Name:* CD_LIST

Plural: CODE LISTS

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

Description:

CODE LIST

Contains common Ministry of Forests codes, code values, and code

descriptions.

Codes of interest to APT:

APT_CLIENT_REL_CD

COMMITMENT_TYPE_CD

FRM_AGRMNT_CD

Corporate Table, belonging to THE schema.

Data Custodian: Data Administration Section (ISB)

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	COLUMN NAME		N	CHAR	18
	Reverse Engineered from column COLUMN_NAME of table CODE_LIST_TABLE				
*	CODE ARGUMENT		N	VARCHAR2	50
	Reverse Engineered from column CODE_ARGUMENT of table CODE_LIST_TABLE				
	EXPANDED RESULT		N	VARCHAR2	120
	Reverse Engineered from column EXPANDED_RESULT of table CODE_LIST_TABLE				
	EFFECTIVE DATE		N	DATE	
	Reverse Engineered from column EFFECTIVE_DATE of table CODE_LIST_TABLE				
	EXPIRY DATE		N	DATE	
	Reverse Engineered from column EXPIRY_DATE of table CODE_LIST_TABLE				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE grouped by one or more CODE SUBSET TABLES

MAY BE typing one or more SB DISTRIBUTION ADJUSTMENTS

MAY BE naming one and only one SB DISTRIBUTION ADJUSTMENT TYPE

** = Relationships in primary unique identifier.*

Unique Identifiers:

Entity Name: CODE LIST TABLE (cont'd) *Short Name:* CD_LIST

CD_LIST1 *Primary Y*

COLUMN NAME
CODE ARGUMENT

Notes:

Verify entity description

Oracle table from DBX03 copied to DEV1 for CASE retrofit.

Original location VAX Oracle Database

Entity Name: CODE SUBSET TBL *Short Name:* CSTBL

Plural: CODE SUBSET TABLES

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

Description:

Corporate code subset table allowing codes in the code list table to be grouped by categories and classifications.

Subsets of interest to APT:

APT_FOA_ST

APT_MGMT_UNIT_ST

APT_PARTITION_ST

APT_TFL_FOA_ST

APT_TSA_FOA_ST

APT_WL_FOA_ST

Data Custodian: ISB

Belongs to THE schema.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	CODE SUBSET NAME		Y	VARCHAR2	18
*	COLUMN NAME		Y	VARCHAR2	18
	CODE ARGUMENT		Y	VARCHAR2	50

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE categorizing one and only one CODE LIST TABLE

** = Relationships in primary unique identifier.*

Unique Identifiers:

CSTBL1 *Primary* *Y*

CODE SUBSET NAME
COLUMN NAME

Entity Name: COMMITMENT *Short Name:* COMM

Plural: COMMITMENTS

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

Description:

Commitments against the apportioned volume are made by the Regional Manager, through the issuance of harvesting agreements (licences). At present, each licence issued represents a commitment against only one partitioned component. In the near future, (1998) licences may be issued which represent a commitment against more than one component (e.g. 70% of the AAC for a licence is committed against Conventional, and 30% against deciduous).

The volume of timber committed against a partitioned component is normally equal to the apportioned volume. However, the AAC on licences may change over time, through assignment, cut control violation, or government policy. The AAC on the TSA can also change over time, due to periodic reanalysis. The sum of the volume committed against a partitioned component may vary from the volume apportioned, but the volume apportioned to the form of agreement, for that partition, must be greater than zero, for a commitment to occur.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	COMMIT TYPE ST	COMMITMENT_TYPE_CODE	N	VARCHAR2	
	Verify attribute description				
	ALLOWABLE ANNUAL CUT	STANDARD VOLUME	Y	NUMBER	9,0
	AAC volume for specific Commitment Type				
	Verify attribute description				
	INCLUDE IN LIC AAC IND	INDICATOR	N	VARCHAR2	1
	INCLUDE_IN_LIC_AAC_IND indicates that this particular AAC should be included in calculations of TOTAL LICENCE AAC				
	DETERMINATION DATE	DATE	N	DATE	
	This is the date on which the Chief Forester determined the appropriate AAC to assign to the COMMITMENT.				
	EFFECTIVE DATE	DATE	N	DATE	

Entity Name: COMMITMENT (cont'd) *Short Name:* COMM

EXPIRY DATE	DATE	Y	DATE	
EXPIRY_DATE of the Commitment AAC Type				
ALLOWABLE ANNUAL CUT HA		Y	NUMBER	9

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE recorded historically by one or more COMMITMENT HISTORIES

MUST BE specified for one and only one LICENCE

MAY BE specified against one and only one PARTITION APPORTIONMENT

** = Relationships in primary unique identifier.*

Unique Identifiers:

COMM1	*Primary*	*Y*
ID		

Notes:

Entity Name: COMMITMENT HISTORY *Short Name:* COMMJ

Plural: COMMITMENT HISTORIES

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

Description:

This is the COMMITMENT AAC history. Whenever a COMMITMENT AAC record

is modifed, a record of the modification is stored for historical

purposes.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
	JN OPERATION		N	CHAR	3
	Reverse Engineered from column JN_OPERATION of table APT_COMMITMENT_AACS_JN				
	JN ORACLE USER		N	VARCHAR2	30
	Reverse Engineered from column JN_ORACLE_USER of table APT_COMMITMENT_AACS_JN				
*	JN DATETIME		N	DATE	
	Reverse Engineered from column JN_DATETIME of table APT_COMMITMENT_AACS_JN				
	JN NOTES		Y	VARCHAR2	240
	Reverse Engineered from column JN_NOTES of table APT_COMMITMENT_AACS_JN				
	JN APPLN		Y	VARCHAR2	30
	Reverse Engineered from column JN_APPLN of table APT_COMMITMENT_AACS_JN				
	JN SESSION		Y	NUMBER	38,0
	Reverse Engineered from column JN_SESSION of table APT_COMMITMENT_AACS_JN				
*	ID	ID	N	NUMBER	10,0
	FOREST FILE ID	FOREST_FILE_ID	Y	VARCHAR2	10
	APT PARTITION ST		N	VARCHAR2	3
	COMMIT TYPE ST	COMMITMENT_TYPE_CODE	Y	VARCHAR2	3
	ALLOWABLE ANNUAL CUT		Y	NUMBER	9,0
	Reverse Engineered from column ALLOWABLE_ANNUAL_CUT of table APT_COMMITMENT_AACS_JN				
	INCLUDE IN LIC AAC IND		Y	VARCHAR2	1
	Reverse Engineered from column INCLUDE_IN_LIC_AAC_IND of table APT_COMMITMENT_AACS_JN				
	DETERMINATION DATE	DATE	Y	DATE	
	EFFECTIVE DATE	DATE	Y	DATE	
	This is the date the Chief Forester said the COMMITMENT AAC takes effect.				
	EXPIRY DATE		Y	DATE	
	Reverse Engineered from column EXPIRY_DATE of table APT_COMMITMENT_AACS_JN				
	PAPT ID	ID	Y	NUMBER	10,0
	Partition Apportionment ID that the commitment was applied to				
	ALLOWABLE ANNUAL CUT HA		Y	NUMBER	9

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

Entity Name: COMMITMENT HISTORY (cont'd) *Short Name:* COMMJ

MUST BE a historical record of one and only one COMMITMENT

** = Relationships in primary unique identifier.*

Unique Identifiers:

COMMJ1 *Primary Y*

JN DATETIME
ID

Entity Name: CORPORATE ENTITY *Short Name:* CORP

Plural: CORPORATE ENTITIES

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

Description:

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*

** = Attributes in primary unique identifier.*

Entity Name: FOR CLIENT LINK *Short Name:* FCL

Plural: FOREST CLIENT LINKS

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

Description:

For the purposes of the Apportionment system, we're only interested in

FOR_CLIENT_LINK records which have a FILE_TYPE_CODE of 'A'.

Corporate table. Belongs to THE schema

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*
FOREST FILE ID		N	VARCHAR2	10
Reverse Engineered from column FOREST_FILE_ID of table FOR_CLIENT_LINK				
CUTTING PERMIT ID		N	VARCHAR2	3
Reverse Engineered from column CUTTING_PERMIT_ID of table FOR_CLIENT_LINK				
CUT BLOCK ID		N	VARCHAR2	10
Reverse Engineered from column CUT_BLOCK_ID of table FOR_CLIENT_LINK				
FILE CLIENT TYPE		N	CHAR	1
Reverse Engineered from column FILE_CLIENT_TYPE of table FOR_CLIENT_LINK				
CLIENT NUMBER	CLIENT_NUMBER	N	VARCHAR2	8
CLIENT LOCN CODE		N	VARCHAR2	2
Reverse Engineered from column CLIENT_LOCN_CODE of table FOR_CLIENT_LINK				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE associated with one and only one PROV FOREST USE

MAY BE identifying one or more RELATED CLIENTS

MAY BE parenting one or more RELATED CLIENTS

** = Relationships in primary unique identifier.*

Entity Name: LICENCE *Short Name:* LIC

Plural: LICENCES

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

Description:

LICENCES

Commitments against the apportioned volume are made by the Regional Manager, through the issuance of harvesting agreements (licences). At present, each licence issued represents a commitment against only one partitioned component. In the near future, (1998) licences may be issued which represent a commitment against more than one component (e.g. 70% of the AAC for a licence is committed against Conventional, and 30% against deciduous).

Volumes committed against a single licence may be increased under incremental forestry provisions of Sec 52 of the Forest Act. Sec 52 volumes are not tracked separately, but are reflected as an increase in the AAC of the licence. The effective date of the change of the AAC on a licence must be tracked, as reports are made ?at a point in time? and must reflect the AACs that were in effect at that date.

The tenures issued by the ministry for timber harvesting give a right to harvest timber either on the basis of an AAC (sometimes referred to as quota), where the licensee has a right to harvest a volume of timber per year within the management unit, for the term of the licence, or by defined area, where the licensee has the right to harvest timber within defined boundaries.

For volume-based sales, the ministry tracks the AAC for each Licence as a commitment against the apportionment for the partitioned

component. These kinds of licences include FLs, TFLs, WLs, and some TSLs. These commitments are reported by Licence number, and by Licensee name.

For area-based sales , the ministry commits the cruise volume of the sale against the apportionment in the year that the licence was sold (licences may a term of more than one year). These commitments are not tracked by the apportionment system.

Volume-based licences, (TFLs, FLs, WLs and some TSLs) are issued for long terms (15 - 25 years). Unless otherwise specified, the licences are replaced every 5 years, on the anniversary date of the licence. It is a requirement of this application to track the upcoming replacement date for these licences.

Licences can be terminated (closed) for a variety of reasons. For FLs and TSLs, closure of a licence means a reduction of the commitment within the TSA at the Closure date. For Woodlot Licences, closure of the licence means the land base reverts to the TSA from which was originally established.

Tree Farm Licences (TFLs) - large areas of Crown and Private land, covered by a single tree farm licence, and managed by the licensee. The AAC for a TFL has Private land (Schedule A) and Crown land (Schedule B) components, each with an AAC set by the Chief Forester. There may be Schedule B AAC apportioned to other forms of tenures, such as Small Business Forest Enterprise Program sales. TFLs are identified by number and name (e.g. TFL39, Squamish). The licence

Entity Name: LICENCE (cont'd) *Short Name:* LIC

number and the management unit number are the same for TFLs.

Woodlot Licences (WL?s) - small areas of Private and Crown land,

covered by a single woodlot licence, and managed by the licensee.

There are separate AACs for the Private and Crown portions of the WL,

set by the Regional Manager, District Manager, or a Forest Officer.

The land base of the woodlot licence is removed from the TSA at the

time the licence is issued.

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*
APT FOA ST	FOA_CODE	N	VARCHAR2	6

APPORTIONMENT FORMS OF AGREEMENT:

In TSAs, the minister apportions the timber in each partitioned

compartment, determining the volume that is available to different

Forms of Agreement. Forms of Agreement include:

- Forest Licences (FLs) replaceable
- Forest Licences nonreplaceable
- Timber Sale Licences (TSLs) > 10,000 M3 AAC, replaceable
- Timber Sale Licences <= 10,000 M3 AAC, replaceable
- Timber Sale Licences (major), nonreplaceable
- Timber Sale Licence Pulpwood Agreements, (Sec 18(1)a)
- Small Business Forest Enterprise Program (SBFEP) Section 16
- SBFEP Category 1 (sec 16)
- SBFEP Category 2 (sec 16)
- SBFEP Bid Proposals
- Forest Service Reserve
- Woodlot Licences

Entity Name: LICENCE (cont'd) *Short Name:* LIC

TFLs are also apportioned, by:

- Licensee Schedule A AAC

- Licensee Schedule B AAC

- SBFEP Schedule B

Apportionments by the minister have an approved date, when the

apportionment was determined, and an effective date.

Verify attribute definition

REPLACEMENT DATE	DATE	Y	DATE	

Date of Licence replacement.

Volume-based licences, (TFLs, FLs, WLs and some TSLs) are issued for

long terms (15 - 25 years). Unless otherwise specified, the licences

are replaced every 5 years, on the anniversary date of the licence.

It is a requirement of this application to track the upcoming

replacement date for these licences.

Verify attribute description

REPLACEMENT TERM	TERM	Y	NUMBER	3,0

CURRENT TERM

Current term of the licence (expressed in months)

Verify from when this term is considered. There in no such attribute

as CURRENT_EFFECTIVE_DATE.

COMMENTS	COMMENTS	Y	VARCHAR2	2000
ADD TIMESTAMP	DATE TIME	Y	DATE	

Date and time the entry was added

ADD USERID		Y	VARCHAR2	30

Idenfitier of user who added the entry

UPDATE TIMESTAMP	UPDATE_TIMESTAMP	Y	DATE	
UPDATE USERID		Y	VARCHAR2	30

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE assigned one or more COMMITMENTS

Entity Name: LICENCE (cont'd) *Short Name:* LIC

* MUST BE issued for one and only one PROV FOREST USE
MAY BE identifing one or more SB DISTRIBUTION ADJUSTMENTS
MAY BE included in one or more SB SUMMARY
** = Relationships in primary unique identifier.*

Unique Identifiers:

LIC1 *Primary Y*

MUST BE issued for one and only one PROV FOREST USE

Notes:

Verify entity description

Entity Name: MANAGEMENT UNIT *Short Name:* MU

Plural: MANAGEMENT UNITS

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

Description:

MANAGEMENT UNIT

Management Unit is a defined area of land which is managed to provide a volume of timber which can be harvested on a sustainable basis.

There are three major types of management units:

1. Timber Supply Areas (TSA's) - large areas with defined boundries which are managed by the Forest Service, where many different licensees harvest timber under a variety of types of licences. The AAC for a TSA is for Crown Land only and is set periodically by the Chief Forester and is based on a TSA Rationale

2. Tree Farm Licences (TFL's) - large areas of Crown and Private land,covered by a single tree farm licence, and managed by the licensee.

The AAC for a TFL has Private land (Schedule A) and Crown land (Schedule B) components, each with an AAC set by the Chief Forester.

There may be Schedule B AAC apportioned to other forms of tenures, such as Small Business Forest Enterprise Program sales. TFLs are identified by number and name (e.g. TFL39, Squamish). The licence number and the management unit number are the same for TFLs.

Reporting on TFLs includes:

- Long Term Harvest Level (LTHL) in m3

- Total Area of the TFL in hectares

- Productive Area,

- Current Operating Area.

3. Woodlot Licences (WL's) - small areas of Private and Crown land, covered by a single woodlot licence, and managed by the licensee. There are separate AACs for the Private and Crown portions of the WL, set by the Regional Manager, District Manager, or a Forest Officer.

The land base of the woodlot licence is removed from the TSA at the time the licence is issued. The AAC and Apportionment of the TSA is not adjusted until the next TSA analysis, based on the Inventory Effective Date.

There is a requirement to report the Crown portion of the Woodlot Licence AAC, listed by the TSA that previously covered the woodlot licence so that these volumes can be considered for TSA analysis. Monitoring of the Woodlot Licence Program requires that the Crown portion of the AAC (Schedule B) for all active WLs issued in the TSA since the last TSA analysis, be compared to the WL apportionment for the TSA. The schedule B AAC used for this calculation is the AAC at the date of issuance of the WL, not the volume currently in effect.

Woodlot Licences may be increased in area and AAC, at the re-issuance date for the licence (referred to as topping up). This may occur once per licence, and the additional Schedule B AAC resulting from the top up must be included in monitoring reports.

Entity Name: MANAGEMENT UNIT (cont'd) *Short Name:* MU

Reporting on WLs includes the Total Area of the WL in hectares, and the Current Operating Area. WLs are identified by the licence number (e.g. W0539).

When a Woodlot Licence is terminated (closed) the land based reverts to the TSA from which it was established.

AAC Partitions

The volume of timber which makes up the AAC for a managed unit may come from several sources, called AAC Partitions (sometimes referred to as Partitioned Components). Partitions are used by Timber Supply Branch in AAC determination, to identify sources of timber where they have reduced confidence that the contribution to the total AAC will occur. Partitions are defined by geographic area, operability, or leading species.

Examples of AAC partitions include:

CON Conventional (non partitioned)

CIO Currently inoperable

CTH Commercial thinning harvest

DLS Deciduous leading stands

FHS Forest health / salvage

GEO Geographic location

HYA Helicopter yarding operability

Entity Name: MANAGEMENT UNIT (cont'd) *Short Name:* MU

IAG Inventory type group + age

ITG Inventory type group

LSI Low site productivity

MRO Marginal operability

MVO Minimum volume

NCO Non conventional operability

PFT Problem forest types

RES Residual stand types

SDP Small diameter pine

VIA Various inventory attributes

The name of a particular partition may denote different problems in different management units. For instance, Forest Health/salvage may apply to beetle killed timber in one management unit, and root rot in another.

The Chief Forester sets the AAC for the managed unit (and each partitioned component within it), based on a TSA Rationale, a document produced by Timber Supply Branch which details the volume of timber available, social, economic, and other factors which affect the decision on the rate of harvest. The determination date (when the chief forester signs the rationale), and AAC effective date are used for reporting AACs.

Forms of Agreement

In TSAs, the minister apportions the timber in each partitioned compartment, determining the volume that is available to different

Entity Name: MANAGEMENT UNIT (cont'd) *Short Name:* MU

Forms of Agreement. Forms of Agreement include:

- Forest Licences (FLs) replaceable
- Forest Licences nonreplaceable
- Timber Sale Licences (TSLs) > 10,000 M3 AAC, replaceable
- Timber Sale Licences <= 10,000 M3 AAC, replaceable
- Timber Sale Licences (major), nonreplaceable
- Timber Sale Licence Pulpwood Agreements, (Sec 18(1)a)
- Small Business Forest Enterprise Program (SBFEP) Section 16
- SBFEP Category 1 (sec 16)
- SBFEP Category 2 (sec 16)
- SBFEP Bid Proposals
- Forest Service Reserve
- Woodlot Licences

TFLs are also apportioned, by:

- Licensee Schedule A AAC
- Licensee Schedule B AAC
- SBFEP Schedule B

Apportionments by the minister have an approved date, when the apportionment was determined, and an effective date.

Commitments

Commitments against the apportioned volume are made by the Regional Manager, through the issuance of harvesting agreements (licences). At

present, each licence issued represents a commitment against only one partitioned component. In the near future, (1998) licences may be issued which represent a commitment against more than one component (e.g. 70% of the AAC for a licence is committed against Conventional, and 30% against deciduous).

The volume of timber committed against a partitioned component is normally equal to the apportioned volume. However, the AAC on licences may change over time, through assignment, cut control violation, or government policy. The AAC on the TSA can also change over time, due to periodic reanalysis. The sum of the volume committed against a partitioned component may vary from the volume apportioned, but the volume apportioned to the form of agreement, for that partition, must be greater than zero, for a commitment to occur.

Volumes committed against a single licence may be increased under incremental forestry provisions of Sec 52 of the Forest Act. Sec 52 volumes are not tracked separately, but are reflected as an increase in the AAC of the licence. The effective date of the change of the AAC on a licence must be tracked, as reports are made ?at a point in time? and must reflect the AACs that were in effect at that date.

The tenures issued by the ministry for timber harvesting give a right to harvest timber either on the basis of an AAC (sometimes referred to as quota), where the licensee has a right to harvest a volume of timber per year within the management unit, for the term of the licence, or by defined area, where the licensee has the right to harvest timber within defined boundaries.

Entity Name: MANAGEMENT UNIT (cont'd) *Short Name:* MU

For volume-based sales, the ministry tracks the AAC for each Licence as a commitment against the apportionment for the partitioned component. These kinds of licences include FLs, TFLs, WLs, and some TSLs. These commitments are reported by Licence number, and by Licensee name.

For area-based sales , the ministry commits the cruise volume of the sale against the apportionment in the year that the licence was sold (licences may a term of more than one year). These commitments are not tracked by the apportionment system.

Volume-based licences, (TFLs, FLs, WLs and some TSLs) are issued for long terms (15 - 25 years). Unless otherwise specified, the licences are replaced every 5 years, on the anniversary date of the licence. It is a requirement of this application to track the upcoming replacement date for these licences.

Licences can be terminated (closed) for a variety of reasons. For FLs and TSLs, closure of a licence means a reduction of the commitment within the TSA at the Closure date. For Woodlot Licences, closure of the licence means the land base reverts to the TSA from which was originally established.

Entity Name: MANAGEMENT UNIT (cont'd) *Short Name:* MU

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	APT MGMT UNIT ST MANAGEMENT UNIT TYPE	MU_TYPE_CODE	N	VARCHAR2	1

A one character code from the CODE_LIST_TABLE.

Allowable values are:

CODE DESCRIPTION

A AGRICULTURAL LAND RESERVE

B BLUE MOUNTAIN FOREST RESERVE

C DEMONSTRATION/COMMUNITY FOREST

D DOMINION GOVERNMENT BLOCK

E E & N LAND BELT

F Woodlot

G GULF ISLANDS

H Organizational Unit Designation

J ECOLOGICAL RESERVE

K PROVINCIAL FOREST

L WILDERNESS AREA

O PUBLIC SUSTAINED YIELD UNIT

P PARKS & WILDERNESS CONSERV.

R RECREATIONAL AREA

S SPECIAL SALE AREA

T TREE FARM LICENCE

U TIMBER SUPPLY AREA

V TIMBER SUPPLY BLOCK

Entity Name: MANAGEMENT UNIT (cont'd) *Short Name:* MU

W WATERSHED LEASE OR RESERVE

X CERTIFIED TREE FARM

Z Outside Managed Units

MU_TYPE is used to determine value of the MGMT_UNIT_ID, a four

character code assigned to a specific administrative management unit.

The MGMT_UNIT_ID comes from the CODE_LIST_TABLE:

TSA_NUMBER field when MGMT_UNIT_TYPE = 'U'

TFL_NUMBER when MGMT_UNIT_TYPE = 'T'

WL_NUMBER when MGMT_UNIT_TYPE = 'F'

Verify attribute description

MGMT UNIT NUMBER	MU_NUMBER	N	VARCHAR2	4

MGMT_UNIT_ID

A four character code assigned to a specific

administrative management unit.

MGMT_UNIT_ID comes from the CODE_LIST_TABLE from:

TSA_NUMBER field when MGMT_UNIT_TYPE = 'U'

TFL_NUMBER when MGMT_UNIT_TYPE = 'T'

WL_NUMBER when MGMT_UNIT_TYPE = 'F'

Verify attribute description

MGMT UNIT STATUS ST	STATUS_CODE	N	VARCHAR2	3

Management Unit Status:

Active

Cancelled

Entity Name: MANAGEMENT UNIT (cont'd) *Short Name:* MU

Verify attribute description				
STATUS EFFECTIVE DATE	DATE	N	DATE	
Management Unit Status Effective Date				
Verify attribute description				
ORCS FILE NUMBER	ORCS FILE NUMBER	Y	VARCHAR2	13
COMMENTS	COMMENTS	Y	VARCHAR2	2000
ADD TIMESTAMP	UPDATE_TIMESTAMP	N	DATE	
ADD USERID		N	VARCHAR2	30
UPDATE TIMESTAMP	UPDATE_TIMESTAMP	Y	DATE	
UPDATE USERID		Y	VARCHAR2	30

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE extracted from one and only one MANAGEMENT UNIT
MAY BE the original source of one or more MANAGEMENT UNITS
MUST BE included in one or more MANAGEMENT UNIT HISTORY
MAY BE Included in one or more MU OU OVERLAPS
MUST BE managed by one and only one ORG UNIT
MAY BE managing one or more PROV_FOREST_USE

* = *Relationships in primary unique identifier.*

Unique Identifiers:

MU2	*Primary*	*N*
MGMT UNIT NUMBER		
APT MGMT UNIT ST		
MU1	*Primary*	*Y*
ID		

Notes:

Verify entity description

Entity Name: MANAGEMENT UNIT HISTORY *Short Name:* MUH

Plural: MANAGEMENT UNIT HISTORY

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

Description:

The MANAGEMENT UNIT HISTORY entity contains an entry for each change in the apportionment allowed to the Management Unit. An entry is considered active if the effective date is prior to the current date and there is no other entry between the effective date and the current date.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	DETERMINATION_DATE	DATE	N	DATE	
	EFFECTIVE DATE		N	DATE	
	ALLOWABLE ANNUAL CUT	STANDARD VOLUME	Y	NUMBER	9,0
	INVENTORY REV DATE	DATE	Y	DATE	
	APPORTIONMENT DETERMINATION DATE	DATE	Y	DATE	
	Date when Chief For. determined AAC for APPORTIONMENTS in the MANAGEMENT UNIT				
	APPORTIONMENT EFFECTIVE DATE	DATE	Y	DATE	
	Date when all APPORTIONMENT AACs in the MANAGEMENT UNIT become effective.				
	TOTAL AREA	AREA	Y	NUMBER	9,2
	PRODUCTIVE AREA	AREA	Y	NUMBER	9,2
	LONG TERM HARVEST LEVEL	STANDARD VOLUME	Y	NUMBER	9,0
	CURRENT NET OPERATING AREA	AREA	Y	NUMBER	9,2
	FUTURE HARVESTING LANDBASE AREA	AREA	Y	NUMBER	9,2
	COMMENTS	COMMENTS	Y	VARCHAR2	2000
	ADD TIMESTAMP	DATE TIME	Y	DATE	
	ADD USERID		Y	VARCHAR2	30
	UPDATE TIMESTAMP	UPDATE_TIMESTAMP	Y	DATE	
	UPDATE USERID		Y	VARCHAR2	30
	ALLOWABLE ANNUAL CUT HA		Y	NUMBER	9,0
	Allowable Annual Cut in Hectares				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE stores history of one and only one MANAGEMENT UNIT

MAY BE divided into one or more PARTITIONS

** = Relationships in primary unique identifier.*

Unique Identifiers:

MUH2 *Primary N*

EFFECTIVE DATE
APPORTIONMENT EFFECTIVE DATE

Entity Name: MANAGEMENT UNIT HISTORY (cont'd) *Short Name:* MUH

MUH1 *Primary* *Y*

ID

Notes:

CR03-01 - #1.1 Add new attribute to allow for the tracking of allowable annual cut by area in addition to volumn. The area measurement is in hectares so created the allowable annual cut ha (hectares) attribute.

Entity Name: MGMT UNIT ORG UNIT OVERLAP *Short Name:* MUOUO

Plural: MU OU OVERLAPS

Init. Volume: 50 *Avg. Volume:* 55 *Max. Volume:* 100 *Annual Growth Rate:* 1%

Description:

This is the area of overlap between a Management Area and an

Organization Unit.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	Unique ID				
	EFFECTIVE DATE	DATE	N	DATE	
	This is the date on which the Overlap becomes effective				
	EXPIRY DATE	DATE	N	DATE	
	This is the date when the Overlap can no longer be used.				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE Assigned one or more APT DISTRIBUTIONS

MUST BE contain one and only one MANAGEMENT UNIT

MUST BE identifying one and only one ORG UNIT

** = Relationships in primary unique identifier.*

Unique Identifiers:

MUOUO1 *Primary Y*

ID

Entity Name: ORG UNIT *Short Name:* OU

Plural: ORGANIZATIONAL UNITS

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

Description:

ORGANIZATIONAL UNIT

This table lists the Districts and Regions within the Province.

(LLSP-T14) See the Common Tables for attributes.

Data Custodian: Human Resources Branch (HRB)

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ORG_UNIT_NO		N	NUMBER	10,0
	Reverse Engineered from column ORG_UNIT_NO of table ORG_UNIT				
	ORG_UNIT_CODE		N	VARCHAR2	6
	Reverse Engineered from column ORG_UNIT_CODE of table ORG_UNIT				
	ORG_UNIT_NAME		Y	VARCHAR2	100
	Reverse Engineered from column ORG_UNIT_NAME of table ORG_UNIT				
	LOCATION_CODE		Y	VARCHAR2	3
	Reverse Engineered from column LOCATION_CODE of table ORG_UNIT				
	AREA CODE		Y	VARCHAR2	3
	Area code of telephone number				
	TELEPHONE_NO		Y	VARCHAR2	7
	Reverse Engineered from column TELEPHONE_NO of table ORG_UNIT				
	ORG_LEVEL_CODE		Y	CHAR	1
	Reverse Engineered from column ORG_LEVEL_CODE of table ORG_UNIT				
	OFFICE_NAME_CODE		Y	VARCHAR2	2
	Reverse Engineered from column OFFICE_NAME_CODE of table ORG_UNIT				
	ROLLUP_REGION_NO		Y	NUMBER	10,0
	Reverse Engineered from column ROLLUP_REGION_NO of table ORG_UNIT				
	ROLLUP_REGION_CODE		Y	VARCHAR2	6
	Reverse Engineered from column ROLLUP_REGION_CODE of table ORG_UNIT				
	ROLLUP_DIST_NO		Y	NUMBER	10,0
	Reverse Engineered from column ROLLUP_DIST_NO of table ORG_UNIT				
	ROLLUP_DIST_CODE		Y	VARCHAR2	6
	Reverse Engineered from column ROLLUP_DIST_CODE of table ORG_UNIT				
	EFFECTIVE_DATE	DATE	N	DATE	
	Reverse Engineered from column EFFECTIVE_DATE of table ORG_UNIT				
	EXPIRY_DATE		Y	DATE	
	Reverse Engineered from column EXPIRY_DATE of table ORG_UNIT				
	UPDATE TIMESTAMP	DATE	Y	DATE	
	Date last updated				

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE managing one or more MANAGEMENT UNITS

MAY BE included in one or more MU OU OVERLAPS

Entity Name: ORG UNIT (cont'd) *Short Name:* OU

MAY BE administering regionally one or more PROV_FOREST_USE
MAY BE the target of one or more SB DISTRIBUTION ADJUSTMENTS
MAY BE included in one or more SB SUMMARY
** = Relationships in primary unique identifier.*

Unique Identifiers:

OU1 *Primary Y*

ORG_UNIT_NO

Notes:

Verify entity description

Oracle table from DBX03 copied to DEV1 for CASE retrofit.

Original location Foxpro Database

Entity Name: PARTITION *Short Name:* PART

Plural: PARTITIONS

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

Description:

PARTITIONS

The volume of timber which makes up the AAC for a managed unit may come from several sources, called AAC Partitions (sometimes referred to as Partitioned Components). Partitions are used by Timber Supply Branch in AAC determination, to identify sources of timber where they have reduced confidence that the contribution to the total AAC will occur.

Partitions are defined by geographic area, operability, or leading species.

Examples of AAC partitions include:

CON Conventional (non partitioned)

CIO Currently inoperable

CTH Commercial thinning harvest

DLS Deciduous leading stands

FHS Forest health / salvage

GEO Geographic location

HYA Helicopter yarding operability

IAG Inventory type group + age

ITG Inventory type group

LSI Low site productivity

MRO Marginal operability

MVO Minimum volume

NCO Non conventional operability

Entity Name: PARTITION (cont'd) *Short Name:* PART

PFT Problem forest types

RES Residual stand types

SDP Small diameter pine

VIA Various inventory attributes

The name of a particular partition may denote different problems in different management units. For instance, Forest Health/salvage may apply to beetle killed timber in one management unit, and root rot in another.

The Chief Forester sets the AAC for the managed unit (and each partitioned component within it), based on a TSA Rationale, a document produced by Timber Supply Branch which details the volume of timber available, social, economic, and other factors which affect the decision on the rate of harvest. The determination date (when the chief forester signs the rationale), and AAC effective date are used for reporting AACs.

In 2001, the Chief Forester will begin to set the AAC for a managed unit based on area rather than on volumn. This will be for specific partitions only.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	APT PARTITION ST AAC PARTITION CODE	PARTITION_TYPE_CODE	N	VARCHAR2	

Examples of AAC partitions include:

CON Conventional (non partitioned)

Entity Name: PARTITION (cont'd) *Short Name:* PART

CIO Currently inoperable

CTH Commercial thinning harvest

DLS Deciduous leading stands

FHS Forest health / salvage

GEO Geographic location

HYA Helicopter yarding operability

IAG Inventory type group + age

ITG Inventory type group

LSI Low site productivity

MRO Marginal operability

MVO Minimum volume

NCO Non conventional operability

PFT Problem forest types

RES Residual stand types

SDP Small diameter pine

VIA Various inventory attributes

The name of a particular partition may denote different problems in di

fferent management units. For instance, Forest Health/salvage may appl

y to beetle killed timber in one management unit, and root rot in anot

her.

Verify attribute description

ALLOWABLE ANNUAL CUT PARTITION AAC	STANDARD VOLUME	Y	NUMBER	9,0

The rate of timber harvesting in each management unit, (allowable

annual cut or AAC).

The volume of timber which makes up the AAC for a managed unit may

come from several sources, called AAC Partitions (sometimes referred

Entity Name: PARTITION (cont'd) *Short Name:* PART

to as Partitioned Components). Partitions are used by Timber Supply Branch in AAC determination, to identify sources of timber where they have reduced confidence that the contribution to the total AAC will occur. Partitions are defined by geographic area, operability, or leading species.

Verify attribute description

COMMENTS	COMMENTS	Y	VARCHAR2	2000
ADD TIMESTAMP	DATE TIME	Y	DATE	
ADD USERID		Y	VARCHAR2	30
UPDATE TIMESTAMP	UPDATE_TIMESTAMP	Y	DATE	
UPDATE USERID		Y	VARCHAR2	30
ALLOWABLE ANNUAL CUT HA		Y	NUMBER	9,0

Allowable annual cut in hectares

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE created for one and only one MANAGEMENT UNIT HISTORY
MAY BE included in one or more PARTITION APPORTIONMENTS

* = *Relationships in primary unique identifier.*

Unique Identifiers:

PART1 *Primary Y*

ID

Notes:

Assumption: (Verify entity description)

Sum of all PARTITION_AAC's is equal to the Management Unit AAC. There is no overlap between partitions and Management Unit AAC is calculated from the Partition AAC.

CR03-01 - #1.1 - Addition of ALLOWABLE ANNUAL CUT HA to capture the area allocated for cutting instead of the volumn.

Entity Name: PARTITION APPORTIONMENT *Short Name:* PAPT

Plural: PARTITION APPORTIONMENTS

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

Description:

PARTITION APPORTIONMENT

In TSAs, the minister apportions the timber in each partitioned

compartment, determining the volume that is available to different

Forms of Agreement. Forms of Agreement include:

- Forest Licences (FLs) replaceable
- Forest Licences nonreplaceable
- Timber Sale Licences (TSLs) > 10,000 M3 AAC, replaceable
- Timber Sale Licences <= 10,000 M3 AAC, replaceable
- Timber Sale Licences (major), nonreplaceable
- Timber Sale Licence Pulpwood Agreements, (Sec 18(1)a)
- Small Business Forest Enterprise Program (SBFEP) Section 16
  - Licensee Total
  - TFL SBFEP
  - TFL SBFEP Temporary AAC
  - SBFEP Non-Replaceable
- SBFEP Category 1 (sec 20)
- SBFEP Category 2 (sec 20)
- SBFEP Bid Proposals (Sec 21)
  - SBFEP Any Catagory (Sec 20)
- Forest Service Reserve
- Woodlot Licences
  - Community Forest Agreement
  - TFL Other

Entity Name: PARTITION APPORTIONMENT (cont'd) *Short Name:* PAPT

AAC Partitions

The volume of timber which makes up the AAC for a managed unit may come from several sources, called AAC Partitions (sometimes referred to as Partitioned Components). Partitions are used by Timber Supply Branch in AAC determination, to identify sources of timber where they have reduced confidence that the contribution to the total AAC will occur. Partitions are defined by geographic area, operability, or leading species.

The name of a particular partition may denote different problems in different management units. For instance, Forest Health/salvage may apply to beetle killed timber in one management unit, and root rot in another.

The Chief Forester sets the AAC for the managed unit (and each partitioned component within it), based on a TSA Rationale, a document produced by Timber Supply Branch which details the volume of timber available, social, economic, and other factors which affect the decision on the rate of harvest. The determination date (when the chief forester signs the rationale), and AAC effective date are used for reporting AACs.

TFLs are also apportioned, by:

- Licensee Schedule A AAC
- Licensee Schedule B AAC
- SBFEP Schedule B

Entity Name: PARTITION APPORTIONMENT (cont'd) *Short Name:* PAPT

Apportionments by the minister have an approved date, when the

apportionment was determined, and an effective date.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	APT FOA ST	FOA_CODE	N	VARCHAR2	6

APPORTIONMENT FORMS OF AGREEMENT:

In TSAs, the minister apportions the timber in each partitioned

compartment, determining the volume that is available to different

Forms of Agreement. Forms of Agreement include:

- Forest Licences (FLs) replaceable
- Forest Licences nonreplaceable
- Timber Sale Licences (TSLs) > 10,000 M3 AAC, replaceable
- Timber Sale Licences <= 10,000 M3 AAC, replaceable
- Timber Sale Licences (major), nonreplaceable
- Timber Sale Licence Pulpwood Agreements, (Sec 18(1)a)
- Small Business Forest Enterprise Program (SBFEP) Section 16
- SBFEP Category 1 (sec 16)
- SBFEP Category 2 (sec 16)
- SBFEP Bid Proposals
- Forest Service Reserve
- Woodlot Licences

TFLs are also apportioned, by:

- Licensee Schedule A AAC
- Licensee Schedule B AAC

Entity Name: PARTITION APPORTIONMENT (cont'd) *Short Name:* PAPT

- SBFEP Schedule B

Apportionments by the minister have an approved date, when the apportionment was determined, and an effective date.

Verify attribute description

ALLOWABLE ANNUAL CUT PARTITION AAC	STANDARD VOLUME	Y	NUMBER	9,0

The volume of timber which makes up the AAC for a managed unit may come from several sources, called AAC Partitions (sometimes referred to as Partitioned Components). Partitions are used by Timber Supply Branch in AAC determination, to identify sources of timber where they have reduced confidence that the contribution to the total AAC will occur. Partitions are defined by geographic area, operability, or leading species.

The Chief Forester sets the AAC for the managed unit (and each partitioned component within it), based on a TSA Rationale, a document produced by Timber Supply Branch which details the volume of timber available, social, economic, and other factors which affect the decision on the rate of harvest.

In TSAs, the minister apportions the timber in each partitioned compartment, determining the volume that is available to different Forms of Agreement. Forms of Agreement include:

- Forest Licences (FLs) replaceable
- Forest Licences nonreplaceable
- Timber Sale Licences (TSLs) > 10,000 M3 AAC, replaceable
- Timber Sale Licences <= 10,000 M3 AAC, replaceable

Entity Name: PARTITION APPORTIONMENT (cont'd) *Short Name:* PAPT

- Timber Sale Licences (major), nonreplaceable

- Timber Sale Licence Pulpwood Agreements, (Sec 18(1)a)

- Small Business Forest Enterprise Program (SBFEP) Section 16

- SBFEP Category 1 (sec 16)

- SBFEP Category 2 (sec 16)

- SBFEP Bid Proposals

- Forest Service Reserve

- Woodlot Licences

TFLs are also apportioned, by:

- Licensee Schedule A AAC

- Licensee Schedule B AAC

- SBFEP Schedule B

Verify attribute description

COMMENTS	COMMENTS	Y	VARCHAR2	2000
ADD TIMESTAMP	DATE TIME	Y	DATE	
ADD USERID		Y	VARCHAR2	30
UPDATE TIMESTAMP	UPDATE_TIMESTAMP	Y	DATE	
UPDATE USERID		Y	VARCHAR2	30
ALLOWABLE ANNUAL CUT HA		Y	NUMBER	9,0

Allowable Annual Cut in Hectares

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MAY BE Distributed As one or more APT DISTRIBUTIONS

MAY BE fulfilled by one or more COMMITMENTS

MUST BE apportioning volumes from one and only one PARTITION

** = Relationships in primary unique identifier.*

Unique Identifiers:

PAPT2 *Primary N*

MUST BE apportioning volumes from one and only one PARTITION
APT FOA ST

PFOA1 *Primary Y*

ID

Notes:

Verify entity description

Entity Name: PARTITION APPORTIONMENT (cont'd) *Short Name:* PAPT

Should it include Update Date/Time stamp ?

CR03-01 - #1.1 - Added the ALLOWABLE ANNUAL CUT HA attribute to allow

for the tracking of an area apportionment in addition to or in place of

a volumn apportionment.

Entity Name: PROV FOREST USE *Short Name:* PFU

Plural: PROV_FOREST_USE

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

Description:

Reverse Engineered from table PROV_FOREST_USE

Corporate table identifying licencees and their statuses.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	FOREST FILE ID		Y	VARCHAR2	10
	Reverse Engineered from column FOREST_FILE_ID of table PROV_FOREST_USE				
	FILE STATUS ST		Y	VARCHAR2	3
	Reverse Engineered from column FILE_STATUS_ST of table PROV_FOREST_USE				
	FILE STATUS DATE		Y	DATE	
	Reverse Engineered from column FILE_STATUS_DATE of table PROV_FOREST_USE				
	FILE TYPE CODE		Y	VARCHAR2	3
	Reverse Engineered from column FILE_TYPE_CODE of table PROV_FOREST_USE				
	MGMT UNIT TYPE		Y	CHAR	1
	Reverse Engineered from column MGMT_UNIT_TYPE of table PROV_FOREST_USE				
	MGMT UNIT ID		Y	VARCHAR2	4
	Reverse Engineered from column MGMT_UNIT_ID of table PROV_FOREST_USE				
	ENTRY USERID		Y	VARCHAR2	8
	Reverse Engineered from column ENTRY_USERID of table PROV_FOREST_USE				
	ENTRY TIMESTAMP		Y	DATE	
	Reverse Engineered from column ENTRY_TIMESTAMP of table PROV_FOREST_USE				
	UPDATE USERID		Y	VARCHAR2	8
	Reverse Engineered from column UPDATE_USERID of table PROV_FOREST_USE				
	UPDATE TIMESTAMP		Y	DATE	
	Reverse Engineered from column UPDATE_TIMESTAMP of table PROV_FOREST_USE				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE identified by one and only one FOR CLIENT LINK

MAY BE involved in one and only one LICENCE

MUST BE managed by one and only one MANAGEMENT UNIT

MUST BE administered regionally by one and only one ORG UNIT

MAY BE included in one and only one TENURE TERM

** = Relationships in primary unique identifier.*

Unique Identifiers:

PFU1 *Primary* *Y*

FOREST FILE ID

Entity Name: RELATED CLIENT *Short Name:* REL_CLI

Plural: RELATED CLIENTS

Init. Volume: 50 *Avg. Volume:* 55 *Max. Volume:* 18000 *Annual Growth Rate:* 1%

Description:

The RELATED CLIENT identifies CLIENTS who are in some way related to other CLIENTS found in FTAS.

As of October 26, 1998, the sole relationship that can be established

between two CLIENTS for Apportionment purposes is 'OWNS'. That is,

one CLIENT OWNS another CLIENT. Therefore, the RELATIONSHIP

between one CLIENT and another is 'OWNS'.

K.Anderson, October 26, 1998

1999/10/21 LAS - This relationship has been modified to CONTROLS instead of OWNS.

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*
APT CLIENT REL CD	CODE_ARGUMENT	N	VARCHAR2	50

PARENT RELATIONSHIP describes the relationship between the

"identified" CLIENT and the "parent" CLIENT.

K.Anderson 981027

For now, we will set the value of PARENT RELATIONSHIP to 'OWNS'.

The datatype for this attribute is the same as CODE LIST CODE

ARGUMENT, so that we may create a relationship between APT RELATED

CLIENT and CODE LIST should we need to in the future.

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE identified by one and only one FOR CLIENT LINK

MUST BE parented by one and only one FOR CLIENT LINK

** = Relationships in primary unique identifier.*

Unique Identifiers:

REL_CLI2 *Primary N*

MUST BE identified by one and only one FOR CLIENT LINK
MUST BE parented by one and only one FOR CLIENT LINK
APT CLIENT REL CD

Entity Name: REPORT *Short Name:* RPT

Plural: REPORTS

Init. Volume: 10 *Avg. Volume:* 15 *Max. Volume:* 25 *Annual Growth Rate:* 20%

Description:

The REPORT entity contains the list of application reports which are included in the APT application. This entity is used on the report submission screen to identify the reports which a user can request.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	REPORT NAME	REPORT NAME	N	VARCHAR2	8
	DESCRIPTION		N	VARCHAR2	100
	ADD USERID	USER_ID	N	VARCHAR2	8
	ADD TIMESTAMP	DATE TIME	N	DATE	
	UPDATE USERID	UPDATE_USERID	Y	VARCHAR2	8
	UPDATE TIMESTAMP	UPDATE_TIMESTAMP	Y	DATE	

* = *Attributes in primary unique identifier.*

Unique Identifiers:

RPT1 *Primary* *Y*

ID

Entity Name: SB DISTRIBUTION ADJUSTMENT *Short Name:* SBDA

Plural: SB DISTRIBUTION ADJUSTMENTS

Init. Volume: 80 *Avg. Volume:* 80 *Max. Volume:* 160 *Annual Growth Rate:* 5%

Description:

This is an adjustment that will be made to a district's total

apportionment distribution in a particular year, so that the volume

available for harvest in a district can be accurately calculated.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	ID	ID	N	NUMBER	10,0
	Surrogate key for the entity				
	EFFECTIVE DATE	DATE	N	DATE	
	This is the date on which the adjustment comes into effect.				
	ADJUSTMENT VOLUME	STANDARD VOLUME	N	NUMBER	9,0
	This is a volume of wood that will be added to or subtracted from the				
	district's allocated total apportionment distribution for the year, so				
	that the volume available for harvest in the district can be				
	calculated.				

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE typed by one and only one CODE LIST TABLE

MAY BE identified by one and only one LICENCE

MUST BE an adjustment to available harvest of one and only one ORG UNIT

MUST BE recorded historically as one or more SB DISTRIBUTION ADJUSTMENT HISTORIES

** = Relationships in primary unique identifier.*

Unique Identifiers:

SBDA2 *Primary N*

MUST BE an adjustment to available harvest of one and only one ORG UNIT
MUST BE typed by one and only one CODE LIST TABLE
EFFECTIVE DATE
MAY BE identified by one and only one LICENCE

SBDA1 *Primary Y*

ID

Entity Name: SB DISTRIBUTION ADJUSTMENT HISTOF *Short Name:* SBDAJ

Plural: SB DISTRIBUTION ADJUSTMENT HISTORIES

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

Description:

Small Business Distribution Adjustments History

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
	JN OPERATION		N	CHAR	3
	Reverse Engineered from column JN_OPERATION of table APT_SB_DSTRBTN_ADJS_JN				
	JN ORACLE USER		N	VARCHAR2	30
	Reverse Engineered from column JN_ORACLE_USER of table APT_SB_DSTRBTN_ADJS_JN				
*	JN DATETIME		N	DATE	
	Reverse Engineered from column JN_DATETIME of table APT_SB_DSTRBTN_ADJS_JN				
	JN NOTES		Y	VARCHAR2	240
	Reverse Engineered from column JN_NOTES of table APT_SB_DSTRBTN_ADJS_JN				
	JN APPLN		Y	VARCHAR2	30
	Reverse Engineered from column JN_APPLN of table APT_SB_DSTRBTN_ADJS_JN				
	JN SESSION		Y	NUMBER	38,0
	Reverse Engineered from column JN_SESSION of table APT_SB_DSTRBTN_ADJS_JN				
*	ID	ID	N	NUMBER	10,0
	Domain for system ID on all APT tables.				
	ORG UNIT NO		Y	NUMBER	10,0
	Reverse Engineered from column ORG_UNIT_NO of table APT_SB_DSTRBTN_ADJS_JN				
	COLUMN NAME		Y	VARCHAR2	18
	Reverse Engineered from column COLUMN_NAME of table APT_SB_DSTRBTN_ADJS_JN				
	CODE ARGUMENT		Y	VARCHAR2	50
	Reverse Engineered from column CODE_ARGUMENT of table APT_SB_DSTRBTN_ADJS_JN				
	EFFECTIVE DATE		Y	DATE	
	Reverse Engineered from column EFFECTIVE_DATE of table APT_SB_DSTRBTN_ADJS_JN				
	ADJUSTMENT VOLUME		Y	NUMBER	9,0
	Reverse Engineered from column ADJUSTMENT_VOLUME of table APT_SB_DSTRBTN_ADJS_JN				
	FOREST FILE ID	FOREST_FILE_ID	Y	VARCHAR2	10

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE a historical record of one and only one SB DISTRIBUTION ADJUSTMENT

** = Relationships in primary unique identifier.*

Unique Identifiers:

SBDAJ1 *Primary Y*

JN DATETIME
ID

Entity Name: SB DISTRIBUTION ADJUSTMENT TYPE *Short Name:* SBDAT

Plural: SB DISTRIBUTION ADJUSTMENT TYPES

Init. Volume: 5 *Avg. Volume:* 6 *Max. Volume:* 10 *Annual Growth Rate:* 1%

Description:

These are the types of adjustments SBFEP staff can make against the

total apportionment distribution to a district, so that the true

volume of wood available for harvest can be calculated.

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*
LICENCE REQUIRED IND		N	VARCHAR2	1

** = Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

* MUST BE named by one and only one CODE LIST TABLE

** = Relationships in primary unique identifier.*

Unique Identifiers:

SBDAT1 *Primary Y*

MUST BE named by one and only one CODE LIST TABLE

Entity Name: SMALL BUSINESS ENTITY *Short Name:* SBENT

Plural: SMALL BUSINESS ENTITIES

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

Description:

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*

** = Attributes in primary unique identifier.*

Entity Name: SMALL BUSINESS SALES SUMMARY *Short Name:* SS

Plural: SB SUMMARY

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

Description:

This is a mini data warehouse which provides data to be used in

reporting Small Business Commitment Control data. The source data is

in FTAS.

Cut Cruise Adjustment Volume will be calculated as the difference

between the Volume Sold and the Volume Billed.

Attributes:

Name	*Domain*	*Opt*	*Format*	*Length*
ADMIN REGION NO	ORG_UNIT_NO	N	NUMBER	10,0
Reverse Engineered from column ADMIN_REGION_NO of table SB_SUMMARY				
ADMIN DISTRICT NO		N	NUMBER	10,0
FOREST FILE ID		N	VARCHAR2	10
Domain for Forest File Id - MOF standard format				
SOLD SB CAT CODE		N	VARCHAR2	1
Reverse Engineered from column SOLD_SB_CAT_CODE of table SB_SUMMARY				
QUOTA TYPE CODE		N	VARCHAR2	1
Reverse Engineered from column QUOTA_TYPE_CODE of table SB_SUMMARY				
VOLUME SOLD	FTAS LARGE VOLUME	N	NUMBER	13,2
This is the volume of wood tendered for sale.				
WASTE VOLUME	FTAS LARGE VOLUME	N	NUMBER	13,2
This is the volume of wood wasted during the harvest				
VOLUME BILLED	FTAS STANDARD VOLUME	N	NUMBER	9,2
Also known as: BILLED COMMITMENT VOLUME				
TOTAL VALUE BILLED	FTAS STANDARD VOLUME	N	NUMBER	9,2
Reverse Engineered from column TOTAL_VALUE_BILLED of table SB_SUMMARY				
EST BONUS VALUE	DOLLAR VALUE	N	NUMBER	9,2
Reverse Engineered from column EST_BONUS_VALUE of table SB_SUMMARY				
EST UPSET VALUE	DOLLAR VALUE	N	NUMBER	9,2
Reverse Engineered from column EST_UPSET_VALUE of table SB_SUMMARY				
EST TOTAL VALUE	DOLLAR VALUE	N	NUMBER	9,2
Reverse Engineered from column EST_TOTAL_VALUE of table SB_SUMMARY				
LEGAL EFFECTIVE DT	DATE	N	DATE	
This is the date on which the sale of the volume of wood				
tendered for sale became effective.				
FINAL EXPIRY DT	DATE	N	DATE	

Entity Name: SMALL BUSINESS SALES SUMMARY (cont'd) *Short Name:* SS

This is synonymous with the cut cruise adjustment date. It is the

date on which the cut cruise adjustment was done.

TENDER OPENING DT	DATE	N	DATE	

This is the date on which the sale tender expired.

BIDDER IND	INDICATOR	N	VARCHAR2	1

This indicates that the volume of wood tendered for sale did not in

fact sell.

UPDATE TIMESTAMP	UPDATE_TIMESTAMP	N	DATE	

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

MUST BE identified by one and only one LICENCE
MUST BE identified by one and only one ORG UNIT
* = *Relationships in primary unique identifier.*

Entity Name: TENURE TERM *Short Name:* TT

Plural: TENURE TERMS

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

Description:

Tenure Terms for forest licenses

Corporate Table from THE schema.

Attributes:

	Name	*Domain*	*Opt*	*Format*	*Length*
*	FOREST FILE ID	FOREST_FILE_ID	N	VARCHAR2	10
	TENURE TERM				

Tenure term defines, for all tenures, the term of the harvesting

tenure. This includes the initial term and subsequent extensions

where applicable.

Database: VM SQL/DS Database

Verify enitity description

TENURE TERM	TENURE TERM	N	NUMBER	5
Reverse Engineered from column TENURE_TERM of table TENURE_TERM				
* LEGAL EFFECTIVE DT	DATE	N	DATE	
Initial date of Licence issue.				

Verify attribute description

INITIAL EXPIRY DT	DATE	Y	DATE	
Reverse Engineered from column INITIAL_EXPIRY_DT of table TENURE_TERM				
CURRENT EXPIRY DT	DATE	N	DATE	
Reverse Engineered from column CURRENT_EXPIRY_DT of table TENURE_TERM				
TENURE EXTEND CNT		Y	NUMBER	10
Reverse Engineered from column TENURE_EXTEND_CNT of table TENURE_TERM				
TENR EXTEND RSN ST		Y	VARCHAR2	1
Reverse Engineered from column TENR_EXTEND_RSN_ST of table TENURE_TERM				
UPDATE USERID	UPDATE_USERID	Y	VARCHAR2	8
Reverse Engineered from column UPDATE_USERID of table TENURE_TERM				
UPDATE TIMESTAMP	UPDATE_TIMESTAMP	Y	DATE	
Reverse Engineered from column UPDATE_TIMESTAMP of table TENURE_TERM				

** = Attributes in primary unique identifier.*

Entity Name: TENURE TERM (cont'd) *Short Name:* TT

Relationships:

Each Occurrence Of This Entity:

MUST BE set for one and only one PROV FOREST USE

** = Relationships in primary unique identifier.*

Unique Identifiers:

TT1 *Primary* *Y*

FOREST FILE ID
LEGAL EFFECTIVE DT

Index

APPORTIONMENT CATEGORY, 1
APPORTIONMENT DISTRIBUTION, 2
APPORTIONMENT DISTRIBUTION HISTORY, 3
APPORTIONMENT EXCEPTION, 4
APT ENTITY, 5
CODE LIST TABLE, 6
CODE SUBSET TBL, 8
COMMITMENT, 9
COMMITMENT HISTORY, 11
CORPORATE ENTITY, 13
FOR CLIENT LINK, 14
LICENCE, 15
MANAGEMENT UNIT, 20
MANAGEMENT UNIT HISTORY, 30
MGMT UNIT ORG UNIT OVERLAP, 32
ORG UNIT, 33
PARTITION, 35
PARTITION APPORTIONMENT, 39
PROV FOREST USE, 45
RELATED CLIENT, 46
REPORT, 47
SB DISTRIBUTION ADJUSTMENT, 48
SB DISTRIBUTION ADJUSTMENT HISTORY, 49
SB DISTRIBUTION ADJUSTMENT TYPE, 50
SMALL BUSINESS ENTITY, 51
SMALL BUSINESS SALES SUMMARY, 52
TENURE TERM, 54