

Table and Column Definitions Report

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Parameters

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

Table: CFA_NUMBER_CODE*Description:*

Community Forest Agreement - Management Unit Code List

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CFA_NUMBER_CODE Community Forest Agreement - Management Code ie: K1A	NOT NULL	VARCHAR2(3)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: DETERMINATION_MANAGEMENT_UNIT*Description:***MANAGEMENT UNIT**

"list of management units to which aac and mu events apply" G.Lawrence
 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 boundaries 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.

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.

Table: DETERMINATION_MANAGEMENT_UNIT (cont'd)*Description:*

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

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	MGMT_UNIT_TYPE	NOT NULL	VARCHAR2(1)
	The administrative management unit as defined by the ministry for managing the forest land, eg. TSA.		
* 20	DETERMINATION_MGMT_ID	NOT NULL	NUMBER(5)
	A unique key identifying each management unit		
30	MGMT_UNIT_ID	NULL	VARCHAR2(4)
	The number that is assigned to a specific administrative management unit. For Management Unit Type 'F' Woodlots, there are no mgmt_unit_ids as the data provided is a roll-up value by region.		

Table: DETERMINATION_MGMT_ORG_XREF*Description:*

Maintains a list of Regions that have been responsible for managing the selected management unit and for what period of time

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETERMINATION_MGMT_ID A unique key identifying each management unit	NOT NULL	NUMBER(5)
* 1	ORG_UNIT_NO Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
* 2	MGMT_EVENT_NO Unique id within a management unit that identifies the order in which an region has managed the management unit.	NOT NULL	NUMBER(10)
4	EFFECTIVE_DATE The date at which the selected region became responsible for managing the selected management unit.	NOT NULL	DATE
5	EXPIRY_DATE The date at which the selected region completed managing the selected management unit.	NULL	DATE

Foreign Keys:

DMOXREF_ORG_UNIT_FK

ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

DMOXREF_PMU_FK

DETERMINATION_MGMT_ID = DETERMINATION_MANAGEMENT_UNIT.DETERMINATION_MGMT_ID

Indexes:

DMOXREF_ORG_UNIT_FK_I

ORG_UNIT_NO

DMOXREF_PMU_FK_I

DETERMINATION_MGMT_ID

Table: DETERMINATION_PARTITION_EVENT*Description:*

the specification that a partition of the total AAC for a management unit must be harvested from a particular part of the supply profile - for example a portion of the AAC must be harvested from areas which have high access or operational costs.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETERMINATION_MGMT_ID A unique key identifying each management unit	NOT NULL	NUMBER(5)
* 2	EVENT_ID Unique identifier for an entry in the table.	NOT NULL	NUMBER(6)
3	DETERMINER_ID unique id assigned to a determiner	NOT NULL	NUMBER(3)
4	DETERMINATION_TYPE_CODE Type of determination event being recorded.	NOT NULL	VARCHAR2(2)
Determination - a decision affecting the allowable annual cut of the management unit has taken place.			
Postponement - the chief forester or deputy chief forester has decided that a determination of AAC is not warranted at this time.			
Tenure Expired - the management unit has been retired - should really be called management unit retired - and its AAC has thus been reduced to 0.			
Woodlot Update - we have received an updated AAC for woodlots			
5	ENTRY_DATE Date the entry was made in the table.	NOT NULL	DATE
6	ENTRY_USERID Userid of the person entering the data.	NOT NULL	VARCHAR2(40)
7	DETERMINED_DATE Date the rationale was signed by the Chief Forester, or if not recorded, the date the letter to licensee (TFLs) was signed or if neither available set to equal determination date and note in comments.	NOT NULL	DATE
8	EFFECTIVE_DATE Date the determination comes into effect, may be after or before the determination date.	NOT NULL	DATE
9	COMMENTS Optional information which may assist understanding the reason for the determination.	NULL	VARCHAR2(1000)

Foreign Keys:

DETEVENT_DETRMNR_FK
DETERMINER_ID = DETERMINER.DETERMINER_ID

DETEVENT_DETTYP_FK
DETERMINATION_TYPE_CODE = DETERMINATION_TYPE_CODE.DETERMINATION_TYPE_CODE

DETEVENT_PMU_FK
DETERMINATION_MGMT_ID = DETERMINATION_MANAGEMENT_UNIT.DETERMINATION_MGMT_ID

Indexes:

DETEVENT_DETRMNR_FK_I
DETERMINER_ID

DETEVENT_DETTYP_FK_I
DETERMINATION_TYPE_CODE

DETEVENT_PMU_FK_I
DETERMINATION_MGMT_ID

Table: DETERMINATION_PARTITION_TYPE*Description:*

Partition type for which the Allowable Annual Cut is being recorded

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PARTITION_TYPE_ID Unique identifier assigned to a partition type & short name	NOT NULL	NUMBER(2)
2	DETERMINATION_PARTITION_TYPE 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 Apportionments by the minister have an approved date, when the apportionment was determined, and an effective date.	NOT NULL	VARCHAR2(40)
3	DESCRIPTION A description for the affiliated aac partition type	NOT NULL	VARCHAR2(120)
4	UPDATE_TIMESTAMP date the partition type was entered or last updated.	NOT NULL	DATE
5	SHORT_NAME Short version for the determination partition type to be used in pull-downs and or report column names	NOT NULL	VARCHAR2(240)

Table: DETERMINATION_PARTITION_VALUE*Description:*

statistical variables and values associated with each particular event

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETERMINATION_MGMT_ID A unique key identifying each management unit	NOT NULL	NUMBER(5)
* 2	EVENT_ID Unique identifier for an entry in the table.	NOT NULL	NUMBER(6)
* 3	PARTITION_TYPE_ID Unique identifier assigned to a partition type & short name	NOT NULL	NUMBER(2)
4	VOLUME The volume (cubic meters) associated with an Event_Variable	NULL	NUMBER(12,1)
5	AREA The area value (hectares) of an Event_Variable.	NULL	NUMBER(12)

Foreign Keys:

DETEVENTVAL_DETEVENT_FK
 DETERMINATION_MGMT_ID = DETERMINATION_PARTITION_EVENT.DETERMINATION_MGMT_ID
 EVENT_ID = DETERMINATION_PARTITION_EVENT.EVENT_ID
 DETEVTVAL_DPT_FK
 PARTITION_TYPE_ID = DETERMINATION_PARTITION_TYPE.PARTITION_TYPE_ID

Indexes:

DETEVENTVAL_DETEVENT_FK_I
 DETERMINATION_MGMT_ID
 EVENT_ID
 DETEVTVAL_DPT_FK_I
 PARTITION_TYPE_ID

Table: DETERMINATION_TYPE_CODE*Description:*

types of determination

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETERMINATION_TYPE_CODE Type of determination event being recorded. Determination - a decision affecting the allowable annual cut of the management unit has taken place. Postponement - the chief forester or deputy chief forester has decided that a determination of AAC is not warranted at this time. Tenure Expired - the management unit has been retired - should really be called management unit retired - and its AAC has thus been reduced to 0. Woodlot Update - we have received an updated AAC for woodlots	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A description for the affiliated code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The effective date the code is in effect.	NOT NULL	DATE
4	EXPIRY_DATE The date the code expires on.	NOT NULL	DATE
5	UPDATE_TIMESTAMP date code was last updated	NOT NULL	DATE

Table: DETERMINER*Description:*

list of determination authorities

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETERMINER_ID unique id assigned to a determiner	NOT NULL	NUMBER(3)
2	DETERMINER_SHORT_NAME Initials of the authority making the determination.	NOT NULL	VARCHAR2(4)
3	DETERMINER_FULL_NAME Full name of the authority making the determination.	NOT NULL	VARCHAR2(50)

Table: ORG_UNIT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORG_UNIT_NO Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
2	ORG_UNIT_CODE Identifies any office within the ministry. First character identifies Exec, HQ Branch, Region, or District; next two chars identify the office name; next two the section (HQ Branch) or program (Region or District); last char identifies the subsection.	NOT NULL	VARCHAR2(6)
3	ORG_UNIT_NAME The name or title of a ministry office or section; for example Kamloops Forest Region; Silviculture Branch; Kispiox Forest District Protection program.	NOT NULL	VARCHAR2(100)
4	LOCATION_CODE Unique identifier for one of the office locations within the Ministry of Forests.	NOT NULL	VARCHAR2(3)
5	AREA_CODE A 3-digit number that identifies each telephone service area in a country.	NOT NULL	VARCHAR2(3)
6	TELEPHONE_NO The general office telephone number (excluding the area code) for a Ministry of Forests office.	NOT NULL	VARCHAR2(7)
7	ORG_LEVEL_CODE Represents the organizational level of the Ministry, and is one of D District Forestry Office, E Executive, H Headquarters Branch, and R Regional Forestry Office.	NOT NULL	VARCHAR2(1)
8	ROLLUP_REGION_NO Identifier designating the region to which the org unit is rolled into for reporting purposes. Values stored here are for the computer's use only, and are not to be used by people as "Ministry codes".	NOT NULL	NUMBER(10)
9	ROLLUP_REGION_CODE Identifier designating the region to which the org unit is rolled into for reporting purposes.	NOT NULL	VARCHAR2(6)
10	ROLLUP_DIST_NO Identifier designating the district to which the org unit is rolled into for reporting purposes. Values stored here are for the computer's use only and are not to be used by people as "Ministry codes".	NOT NULL	NUMBER(10)
11	ROLLUP_DIST_CODE Identifier designating the district to which the org unit is rolled into for reporting purposes.	NOT NULL	VARCHAR2(6)
12	EFFECTIVE_DATE The date the Organizational Unit became effective as a valid Org Unit within the ministry's organizational structure.	NOT NULL	DATE
13	UPDATE_TIMESTAMP The date and time of the last update.	NULL	DATE
14	EXPIRY_DATE The date the Organizational Unit is Obsoleted and is no longer an active Org Unit within the ministry's	NOT NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	organizational structure. At the determination of Human Resources Branch, an expired Org Unit may be retained for historical purposed, or may be dele		
15	OFFICE_NAME_CODE Represents an office within a specific organizational level.	NOT NULL	VARCHAR2(2)

Table: PSYU_NUMBER_CODE*Description:*

Contains the list of Public Sustained Yield Unit - Management unit codes maintained for historical purposes

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PSYU_NUMBER_CODE Public Sustained Yield Unit (management unit code). This is for historical purposes as PSYU's are no longer used.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE	NOT NULL	DATE
4	EXPIRY_DATE	NOT NULL	DATE
5	UPDATE_TIMESTAMP	NOT NULL	DATE

Table: TFL_NUMBER_CODE*Columns:*

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

Table: TSA_NUMBER_CODE*Columns:*

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