

Table and Column Definitions Report

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Parameters

Workarea:	GLOBAL SHARED WORKAREA
Container:	FTA
Table / View / Materialized View:	%
Include Tables?	Y
Include Views?	Y
Include Materialized Views?	Y
Data Structure Diagram:	SMD-FTA LRDW
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: FTEN_COMMUNICATION_SITE_POLY*Description:*

Ministry of Forests Radio Communication Sites are physical land locations containing structures and equipment which provide two or one-way voice and or data wireless communications to field staff or for operational activities. Currently the

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
4	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
7	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
8	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
9	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
10	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
11	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
12	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
13	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
15	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
16	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)
17	CHANGE_TIMESTAMP1 The date and time the value in table 'communication_site' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP2 The date and time the value in table 'communication_site_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FCSP_FFID_ASC_UK_UK
FOREST_FILE_ID
APPLICATION_STATUS_CODE

Foreign Keys:

Table: FTEN_COMMUNICATION_SITE_POLY (cont'd)*Foreign Keys:*

FCSP_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FCSP_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FCSP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FCSP_ASC_FK
APPLICATION_STATUS_CODE
FCSP_CMC_FK
CAPTURE_METHOD_CODE
FCSP_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_COMM_SITE_POLYGONS*Description:*

Ministry of Forests Radio Communication Sites are physical land locations containing structures and equipment which provide two or one-way voice and or data wireless communications to field staff or for operational activities.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	SITE_NAME The name of the communication site.	NOT NULL	VARCHAR2(255)
3	PRIMARY_TENURE_HOLDER The Primary Land Tenure Holder. Can be MoF, a Land Act Tenure or other agency.	NOT NULL	VARCHAR2(50)
4	OCCUPANCY_DATE Date of original Occupancy.	NOT NULL	DATE
5	EXPIRY_DATE Expiry date of the tenure.	NOT NULL	DATE
6	TOWER_ELEVATION Height of the structure in metres above mean sea level (AMSL).	NOT NULL	NUMBER(5,1)
7	OFFICIAL_DESCRIPTION The official description of the communication site.	NULL	VARCHAR2(255)
8	RETIREMENT_DATE The date the communication site was retired.	NULL	DATE
9	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5,0)
10	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NOT NULL	VARCHAR2(10)
11	GEOMETRY The geometry for this feature.	NULL	
12	FEATURE_AREA Spatial feature area in square metres. This is value is calculated.	NULL	NUMBER(15,4)
13	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the district in which this communication site is located.	NOT NULL	VARCHAR(6)
17	ADMIN_DISTRICT_NAME The name of the district in which this cut block is located.	NULL	VARCHAR2(100)
* 18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
23	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
24	CHANGE_TIMESTAMP1 The date and time the value in table COMMUNICATION_SITE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
25	CHANGE_TIMESTAMP2 The date and time the value in table COMMUNICATION_SITE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
26	CHANGE_TIMESTAMP3 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE

Unique Constraints:

Table: FTEN_COMM_SITE_POLYGONS (cont'd)*Unique Constraints:*

FTEN_CSP_OBJECTID_UK
OBJECTID

Notes:

TPM 2007-11-30 Added table as part of Phase II of the FTA BVI project.

This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT cs.forest_file_id,
       cs.site_name,
       cs.primary_tenure_holder,
       cs.occupancy_date,
       cs.expiry_date,
       cs.tower_elevation,
       cs.official_description,
       cs.retirement_date,
       to_number(cs.amendment_id) amendment_id,
       cs.forest_file_id map_label,
       csg.geometry,
       csg.feature_area*10000 feature_area,
       csg.feature_perimeter*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN cs.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN cs.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       cs.update_timestamp change_timestamp1,
       csg.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM communication_site cs
JOIN communication_site_geom csg ON cs.forest_file_id = csg.forest_file_id AND
                                   cs.amendment_id = csg.amendment_id
JOIN tenure_application_map_feature tamf ON csg.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON cs.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE cs.current_ind = 'Y' OR
       cs.amend_status_code = 'PND'
```

Table: FTEN_COMM_SITE_POLY_SVW**Description:**

Ministry of Forests Radio Communication Sites are physical land locations containing structures and equipment which provide two or one-way voice and or data wireless communications to field staff or for operational activities.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	SITE_NAME The name of the site.	NOT NULL	VARCHAR2(255)
3	PRIMARY_TENURE_HOLDER The Primary Land Tenure Holder. Can be MoF, a Land Act Tenure or other agency	NOT NULL	VARCHAR2(50)
4	OCCUPANCY_DATE Date of original Occupancy	NOT NULL	DATE
5	EXPIRY_DATE Expiry date of the tenure	NOT NULL	DATE
6	TOWER_ELEVATION Height of the structure in metres above mean sea level (AMSL)	NOT NULL	NUMBER(5,1)
7	OFFICIAL_DESCRIPTION The official description of the communication site.	NULL	VARCHAR2(255)
8	RETIREMENT_DATE The date the communication site was retired.	NULL	DATE
9	AMENDMENT_ID The amendment id for the instance	NOT NULL	NUMBER(5,0)
10	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NOT NULL	VARCHAR2(10)
11	GEOMETRY The geometry for this feature.	NULL	
12	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
13	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the district in which this communication site is located.	NOT NULL	VARCHAR(6)
17	ADMIN_DISTRICT_NAME The name of the district in which this cut block is located.	NULL	VARCHAR2(100)
18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
19	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER

Notes:

11-01-2008 DH Created for the FTA piece of the BVI project.

Table: FTEN_CUT_BLOCK_POLY**Description:**

Information about harvesting that takes place on a cut block

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	CUT_BLOCK_FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number. This Forest File is specific to the Cut Block and in the case that this Cut Block is part of a CP, the Forest File of the CP may be different. <i>TPM 2007-11-30 Renamed column from FOREST_FILE_ID to CUT_BLOCK_FOREST_FILE_ID.</i>	NOT NULL	VARCHAR2(10)
20	TIMBER_MARK 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.	NULL	VARCHAR2(10)
30	CUT_BLOCK_ID Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).	NOT NULL	VARCHAR2(10)
40	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
50	BLOCK_STATUS_CODE The before status image of the Cut Block. The status indicates the point the Cut Block is at in it's lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.	NOT NULL	VARCHAR2(3)
60	BLOCK_STATUS_DATE The date on which the current cut block status was set.	NULL	DATE
70	CUT_BLOCK_DESCRIPTION Description of the cut block.	NULL	VARCHAR2(120)
* 80	CUT_BLOCK_SKEY The unique identifier for a cut block.	NOT NULL	NUMBER(10)
90	CUT_REGULATION_CODE Identifies the type of regulation applicable to a given cut block. Valid values include "Bark Beetle Regulation", and "Small Scale Salvage".	NULL	VARCHAR2(3)
100	REFOREST_DECLARE_TYPE_CODE Identifies the reforestation declaration type. E.g. Coniferous, Deciduous, Mix.	NULL	VARCHAR2(3)
110	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
120	FEATURE_AREA Spatial feature area in square metres. This value is calculated. <i>TPM 2007-11-30 Measure of the area changed from HA to square metres.</i>	NOT NULL	NUMBER(15,4)
130	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated. <i>TPM 2007-11-30 Measure of the perimeter changed from km to metres.</i>	NOT NULL	NUMBER(12,4)
140	PLANNED_HARVEST_DATE The date on which the harvest was planned.	NULL	DATE
150	PLANNED_GROSS_BLOCK_AREA Estimated initial gross area of the cut block, in hectares, from the PHSP.	NULL	NUMBER(11,4)
160	PLANNED_NET_BLOCK_AREA Estimated planned gross area of the cut block, in hectares, from the PHSP.	NULL	NUMBER(11,4)
170	OPENING_ID System generated value uniquely identifying the opening.	NULL	NUMBER(10)
180	DISTURBANCE_START_DATE Actual date that harvesting started on the block. <i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>	NULL	DATE
190	DISTURBANCE_END_DATE For areas being Harvested, this date is associated with the actual or estimated completion of Harvesting. This date s/b entered as part of the regular logging inspection, and updated as required. The actual date will be when the status moves to S - Silv. <i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>	NULL	DATE
200	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
210	CLIENT_LOCATION_CODE A code to uniquely identify within each client, the addresses of different divisions or locations at which the	NOT NULL	VARCHAR2(2)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.		
220	CLIENT_NAME	NOT NULL	VARCHAR2(60)
	The name of the Ministry Client - Company or Individual.		
230	HARVEST_AUTH_SKEY	NOT NULL	NUMBER(10)
	The unique identifier for the harvesting authority.		
240	HARVEST_AUTH_CUTTING_PERMIT_ID	NULL	VARCHAR2(3)
	Identifier for a cutting permit associated with a quota type harvesting tenure.		
	<i>TPM 2007-11-30 Renamed from CUTTING_PERMIT_ID to HARVEST_AUTH_CUTTING_PERMIT_ID.</i>		
245	HARVEST_AUTH_FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number. This Forest File is specific to the Harvesting Authority of the Cut Block. When the Cut Block is part of a CP, the Forest File of the CP and the Cut Block may be different.		
	<i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>		
247	ADMIN_DISTRICT_CODE	NOT NULL	VARCHAR2(6)
	The code of the administrative district associated with this cut block.		
248	ADMIN_DISTRICT_NAME	NOT NULL	VARCHAR2(100)
	The name of the administrative district associated with this cut block.		
250	GEOGRAPHIC_DISTRICT_CODE	NOT NULL	VARCHAR2(6)
	The code of the district in which this cut block is located.		
260	GEOGRAPHIC_DISTRICT_NAME	NOT NULL	VARCHAR2(100)
	The name of the district in which this cut block is located.		
270	HARVEST_AUTH_STATUS_CODE	NULL	VARCHAR2(3)
	The after status image of the harvesting authority. The status indicates the point the harvesting authority is at in its lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.		
280	RETIREMENT_DATE	NULL	DATE
	Metadata indicating when a feature was retired.		
* 290	LIFE_CYCLE_STATUS_CODE	NOT NULL	VARCHAR2(10)
	The state of the life cycle of this record. One of Pending, Active or Retired.		
300	SP_EXEMPT_IND	NULL	VARCHAR2(1)
	Only set to 'Y' for 'Exemption for silviculture Prescriptions' under sec. 30 of the Forest Practices Code of British Columbia Act, eg cut blocks under one hectare, or the use of the land will be incompatible with the establishment of a free growing stand.		
	<i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>		
310	MAP_LABEL	NOT NULL	VARCHAR2(36)
	The default label to be used when displaying the feature on a map. Consists of the HARVEST_AUTH_FOREST_FILE_ID, HARVEST_AUTH_CUTTING_PERMIT_ID, TIMBER_MARK, AND CUT_BLOCK_ID concatenated together and separated by spaces.		
	<i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>		
320	OBJECTID	NOT NULL	NUMBER(38)
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		
330	CHANGE_TIMESTAMP1	NOT NULL	DATE
	The date and time the value in table 'cut_block' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
340	CHANGE_TIMESTAMP2	NOT NULL	DATE
	The date and time the value in table 'cut_block_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
350	CHANGE_TIMESTAMP3	NOT NULL	DATE
	The date and time the value in table 'cut_block_open_admin' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
360	CHANGE_TIMESTAMP4	NOT NULL	DATE
	The date and time the value in table 'harvesting_authority' was last modified. This column exists solely for the purpose of supporting replication from the source database.		

Table: FTEN_CUT_BLOCK_POLY (cont'd)*Unique Constraints:*

FTEN_CBP_OBJECTID_UK
OBJECTID

Indexes:

FTEN_CBP_ADC_I
ADMIN_DISTRICT_CODE
FTEN_CBP_BSC_I
BLOCK_STATUS_CODE
FTEN_CBP_CLIENT_I
CLIENT_NUMBER
CLIENT_LOCATION_CODE
FTEN_CBP_FCS_I
FEATURE_CLASS_SKEY
FTEN_CBP_FILE_CP_BLK_I
HARVEST_AUTH_FOREST_FILE_ID
HARVEST_AUTH_CUTTING_PERMIT_ID
CUT_BLOCK_ID
FTEN_CBP_GDC_I
GEOGRAPHIC_DISTRICT_CODE
FTEN_CBP_HASC_I
HARVEST_AUTH_STATUS_CODE
FTEN_CBP_HVA_SKEY_I
HARVEST_AUTH_SKEY
FTEN_CBP_LCSC_I
LIFE_CYCLE_STATUS_CODE
FTEN_CBP_OPENING_I
OPENING_ID
FTEN_CBP_TM_BLK_I
TIMBER_MARK
CUT_BLOCK_ID

Notes:

TPM 2007-05-30. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

TPM 2007-11-30 Updated the select statement for the view:

```
SELECT cb.forest_file_id CUT_BLOCK_FOREST_FILE_ID,
       cb.timber_mark,
       cb.cut_block_id,
       mf.feature_class_skey,
       cb.block_status_st block_status_code,
       cb.block_status_date,
       cb.cut_block_description,
       cb.cb_skey cut_block_skey,
       cb.cut_regulation_code,
       cb.reforest_declare_type_code,
       coalesce(cbg.geometry,cbag.geometry) geometry,
       coalesce(cbg.feature_area,cbag.feature_area)*10000 feature_area,
       coalesce(cbg.feature_perimeter,cbag.feature_perimeter)*1000 feature_perimeter,
       cboa.planned_harvest_date,
       coalesce(cboa.planned_gross_block_area,ha.est_gross_blk_area) planned_gross_block_area,
       coalesce(cboa.planned_net_block_area,ha.est_net_blk_area) planned_net_block_area,
       cboa.opening_id,
       cboa.disturbance_start_date,
       cboa.disturbance_end_date,
```

Table: FTEN_CUT_BLOCK_POLY (cont'd)**Notes:**

```

ffc.client_number,
ffc.client_locn_code client_location_code,
CASE
  WHEN FC.CLIENT_TYPE_CODE = 'I' THEN
    FC.LEGAL_FIRST_NAME || ' ' || FC.CLIENT_NAME
  ELSE
    FC.CLIENT_NAME
END client_name,
hva.hva_skey harvest_auth_skey,
hva.forest_file_id HARVEST_AUTH_FOREST_FILE_ID,
hva.cutting_permit_id HARVEST_AUTH_CUTTING_PERMIT_ID,
admin_dist.org_unit_code admin_district_code,
admin_dist.org_unit_name admin_district_name,
geo_dist.org_unit_code geographic_district_code,
geo_dist.org_unit_name geographic_district_name,

hva.harvest_auth_status_code,
hva.retirement_date,
CAST(CASE
  WHEN ha.amend_status_st = 'PND' THEN
    'PENDING'
  WHEN hva.retirement_date IS NOT NULL THEN
    'RETIRED'
  ELSE
    'ACTIVE'
END AS VARCHAR2(10)) life_cycle_status_code,
cb.sp_exempt_ind,
hva.forest_file_id || ' ' ||
hva.cutting_permit_id || ' ' ||
cb.timber_mark || ' ' ||
cb.cut_block_id MAP_LABEL,
coalesce(cbg.map_feature_id,cbag.map_feature_id) objectid,
cb.update_timestamp change_timestamp1,
coalesce(cbg.update_timestamp,cbag.update_timestamp) change_timestamp2,
cboa.update_timestamp change_timestamp3,
hva.update_timestamp change_timestamp4
FROM cut_block cb
JOIN harvest_amend ha ON ha.cb_skey = cb.cb_skey
JOIN cut_block_amend_geom cbag ON cbag.cb_skey = ha.cb_skey AND
    cbag.amendment_id = ha.amendment_id
LEFT JOIN cut_block_geom cbg ON cbag.map_feature_id = cbg.map_feature_id
JOIN cut_block_open_admin cboa ON cb.cb_skey = cboa.cb_skey
JOIN forest_file_client ffc ON ffc.forest_file_id = cb.forest_file_id AND
    ffc.forest_file_client_type_code = 'A'
JOIN harvesting_authority hva ON cb.hva_skey = hva.hva_skey
JOIN forest_client fc ON fc.client_number = ffc.client_number
JOIN org_unit admin_dist ON hva.forest_district = admin_dist.org_unit_no
JOIN org_unit geo_dist ON hva.geographic_district = geo_dist.org_unit_no
JOIN tenure_application_map_feature mf ON mf.map_feature_id = cbag.map_feature_id
WHERE cb.block_status_st IN ('HB', 'HD', 'HS', 'HX', 'LC', 'S', 'ID', 'PE')
and (ha.amend_status_st = 'PND' or (ha.amend_status_st = 'APP'
and cbg.cb_skey is not null));

```

Table: FTEN_CUT_BLOCK_POLYGONS*Description:*

Information about harvesting that takes place on a cut block

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
* 2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
3	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
4	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type tenure.	NULL	VARCHAR2(3)
7	CUT_BLOCK_ID Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).	NOT NULL	VARCHAR2(10)
8	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
9	CODESPACE	NULL	VARCHAR2(255)
10	FEATURE_CODE A unique feature code	NULL	VARCHAR2(255)
11	GML_FID	NULL	NUMBER
12	GML_ID	NULL	VARCHAR2(255)
13	SOURCE_DATA_SET	NULL	VARCHAR2(255)
14	GML_DESCRIPTION	NULL	VARCHAR2(2000)
15	SOURCE_TILE	NULL	VARCHAR2(255)
16	GML_NAME	NULL	VARCHAR2(255)
17	FILE_TYPE_CD The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
18	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
19	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
20	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
21	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
22	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
23	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
24	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
25	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
26	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
27	CREATION_DATE	NULL	DATE
28	GML_MID	NULL	NUMBER
29	LAST_UPDATED_DATE	NULL	DATE
30	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a	NULL	NUMBER(38)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	geodatabase.		
31	CHANGE_TIMESTAMP1 The date and time the value in table 'cut_block' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
32	CHANGE_TIMESTAMP2 The date and time the value in table 'cut_block_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
33	CHANGE_TIMESTAMP3 The date and time the value in table 'harvest_amend' was last modified. This column exists solely for the purpose of supporting replication from the source database. <i>The date and time the value in table 'harvest_amend' was last modified. This column exists solely for the purpose of supporting replication from the source database.</i>	NULL	DATE
34	CHANGE_TIMESTAMP4 The date and time the value in table 'cut_block_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
35	CHANGE_TIMESTAMP5 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
36	CHANGE_TIMESTAMP6 The date and time the value in table 'tenure_application' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
37	CHANGE_TIMESTAMP7 The date and time the value in table 'harvesting_authority' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
38	CHANGE_TIMESTAMP8 The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FCBP_TCB_UK
 CUTTING_PERMIT_ID
 FOREST_FILE_ID
 APPLICATION_STATUS_CODE
 CUT_BLOCK_ID

Foreign Keys:

FCBP_ASC_FK
 APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
 FCBP_CBLK_FK
 CUT_BLOCK_ID = FTEN_CUT_BLOCK.CUT_BLOCK_ID
 CUTTING_PERMIT_ID = FTEN_CUT_BLOCK.CUTTING_PERMIT_ID
 FOREST_FILE_ID = FTEN_CUT_BLOCK.FOREST_FILE_ID
 FCBP_CMC_FK
 CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
 FCBP_DSC_FK
 DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE
 FCBP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY = CORP_FEATURE_CLASSES.FEATURE_CLASS_SKEY
 FCBP_TAMF_FK
 MAP_FEATURE_ID = FTEN_TENURE_APPLICA_MAP_FEATUR.MAP_FEATURE_ID

Indexes:

FCBP_ASC_FK
 APPLICATION_STATUS_CODE
 FCBP_CBLK_FK
 CUTTING_PERMIT_ID
 CUT_BLOCK_ID

Table: FTEN_CUT_BLOCK_POLYGONS (cont'd)*Indexes:*

FOREST_FILE_ID
FCBP_CMC_FK
CAPTURE_METHOD_CODE
FCBP_DSC_FK
DATA_SOURCE_CODE
FCBP_FEAT_CLS_FK
ENTRY_USERID
FCBP_FFID_FK
FOREST_FILE_ID
FCBP_TAMF_FK
MAP_FEATURE_ID

Table: FTEN_CUT_BLOCK_POLY_SVW**Description:**

Information about harvesting that takes place on a cut block.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
5	CUT_BLOCK_FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number. This Forest File is specific to the Cut Block and in the case that this Cut Block is part of a CP, the Forest File of the CP may be different. <i>TPM 2007-11-30 Renamed column from FOREST_FILE_ID to CUT_BLOCK_FOREST_FILE_ID.</i>	NULL	VARCHAR2(10)
6	TIMBER_MARK 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.	NULL	VARCHAR2(10)
7	CUT_BLOCK_ID Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).	NULL	VARCHAR2(10)
8	FEATURE_CLASS_SKEY	NULL	NUMBER(10)
9	BLOCK_STATUS_CODE The before status image of the Cut Block. The status indicates the point the Cut Block is at in it's lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.	NULL	VARCHAR2(3)
10	BLOCK_STATUS_DATE The date on which the current cut block status was set.	NULL	DATE
11	CUT_BLOCK_DESCRIPTION Description of the code value	NULL	VARCHAR2(120)
12	CUT_BLOCK_SKEY The unique identifier for a cut block.	NULL	NUMBER(10)
13	CUT_REGULATION_CODE Identifies the type of regulation applicable to a given cut block. Valid values include "Bark Beetle Regulation", and "Small Scale Salvage".	NULL	VARCHAR2(3)
14	REFOREST_DECLARE_TYPE_CODE Identifies the reforestation declaration type. E.g. Coniferous, Deciduous, Mix.	NULL	VARCHAR2(3)
16	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
17	FEATURE_AREA Spatial feature area in square metres. This value is calculated. <i>TPM 2007-11-30 Measure of the area changed from HA to square metres.</i>	NULL	NUMBER(15,4)
18	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated. <i>TPM 2007-11-30 Measure of the perimeter changed from km to metres.</i>	NULL	NUMBER(12,4)
19	PLANNED_HARVEST_DATE The date on which the harvest was planned.	NULL	DATE
20	PLANNED_GROSS_BLOCK_AREA Estimated initial gross area of the cut block, in hectares, from the PHSP.	NULL	NUMBER(11,4)
21	PLANNED_NET_BLOCK_AREA Estimated planned gross area of the cut block, in hectares, from the PHSP.	NULL	NUMBER(11,4)
22	OPENING_ID System generated value uniquely identifying the opening.	NULL	NUMBER(10)
24	DISTURBANCE_START_DATE Actual date that harvesting started on the block. <i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>	NULL	DATE
25	DISTURBANCE_END_DATE For areas being Harvested, this date is associated with the actual or estimated completion of Harvesting. This date s/b entered as part of the regular logging inspection, and updated as required. The actual date will be when the status moves to S - Silv. <i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>	NULL	DATE
26	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
27	CLIENT_LOCATION_CODE Retrofitted from column CLIENT_LOCN_CODE of table FOR_CLIENT_LINK	NULL	VARCHAR2(2)
28	CLIENT_NAME	NULL	VARCHAR2(60)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual.		
29	HARVEST_AUTH_SKEY	NULL	NUMBER(10)
	The unique identifier for the harvesting authority.		
30	HARVEST_AUTH_CUTTING_PERMIT_ID	NULL	VARCHAR2(3)
	Identifier for a cutting permit associated with a quota type harvesting tenure.		
	<i>TPM 2007-11-30 Renamed from CUTTING_PERMIT_ID to HARVEST_AUTH_CUTTING_PERMIT_ID.</i>		
31	HARVEST_AUTH_FOREST_FILE_ID	NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number. This Forest File is specific to the Harvesting Authority of the Cut Block. When the Cut Block is part of a CP, the Forest File of the CP and the Cut Block may be different.		
	<i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>		
32	ADMIN_DISTRICT_CODE	NULL	VARCHAR2(6)
	The code of the administrative district associated with this cut block.		
33	ADMIN_DISTRICT_NAME	NULL	VARCHAR2(100)
	The name of the administrative district associated with this cut block.		
34	GEOGRAPHIC_DISTRICT_CODE	NULL	VARCHAR2(6)
	The code of the district in which this cut block is located.		
35	GEOGRAPHIC_DISTRICT_NAME	NULL	VARCHAR2(100)
	The name of the district in which this cut block is located.		
36	HARVEST_AUTH_STATUS_CODE	NULL	VARCHAR2(3)
	The after status image of the harvesting authority. The status indicates the point the harvesting authority is at in it's lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.		
37	RETIREMENT_DATE	NULL	DATE
	Metadata indicating when a feature was retired.		
38	LIFE_CYCLE_STATUS_CODE	NULL	VARCHAR2(10)
	The state of the life cycle of this record. One of Pending, Active or Retired.		
39	SP_EXEMPT_IND	NULL	VARCHAR2(1)
	Only set to 'Y' for 'Exemption for silviculture Prescriptions' under sec. 30 of the Forest Practices Code of British Columbia Act, eg cut blocks under one hectare, or the use of the land will be incompatible with the establishment of a free growing stand.		
	<i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>		
40	MAP_LABEL	NULL	VARCHAR2(36)
	The default label to be used when displaying the feature on a map. Consists of the HARVEST_AUTH_FOREST_FILE_ID, HARVEST_AUTH_CUTTING_PERMIT_ID, TIMBER_MARK, AND CUT_BLOCK_ID concatenated together and separated by spaces.		
	<i>TPM 2007-11-30 Added as part of Phase II of FTA BVI.</i>		
41	OBJECTID	NOT NULL	NUMBER(38)
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		

Notes:

11-01-2008 DH - Updated for the FTA piece of the BVI project.

Table: FTEN_CUT_PERMIT_POLYGONS*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. This entity is not directly updated, but is rather done via a replication process using its base tables, of harvesting authority and hauling authority .

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
3	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
4	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type tenure.	NULL	VARCHAR2(3)
5	MAP_BLOCK_ID	NULL	VARCHAR2(10)
6	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
7	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
8	FILE_TYPE_CD The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
* 9	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
10	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
11	SOURCE_TILE	NULL	VARCHAR2(255)
12	GML_NAME	NULL	VARCHAR2(255)
13	CODSPACE	NULL	VARCHAR2(255)
14	FEATURE_CODE A unique feature code	NULL	VARCHAR2(255)
15	GML_FID	NULL	NUMBER
16	GML_ID	NULL	NUMBER
17	SOURCE_DATA_SET	NULL	VARCHAR2(255)
18	GML_DESCRIPTION	NULL	VARCHAR2(2000)
19	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
20	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
21	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
22	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
23	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
24	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
25	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
26	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
27	CREATION_DATE	NULL	DATE
28	GML_MID	NULL	NUMBER
29	LAST_UPDATED_DATE	NULL	DATE
30	OBJECTID	NULL	NUMBER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		
31	CHANGE_TIMESTAMP1	NOT NULL	DATE
	The date and time the value in table 'harvesting_authority' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
32	CHANGE_TIMESTAMP2	NULL	DATE
	The date and time the value in table 'harvesting_authority_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
33	CHANGE_TIMESTAMP3	NOT NULL	DATE
	The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
34	CHANGE_TIMESTAMP4	NOT NULL	DATE
	The date and time the value in table 'tenure_application' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
35	CHANGE_TIMESTAMP5	NOT NULL	DATE
	The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
36	CHANGE_TIMESTAMP6	NULL	DATE
	The date and time the value in table 'harvesting_authority_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		

Foreign Keys:

FCPP_ASC_FK
 APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE

FCPP_CMC_FK
 CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE

FCPP_DSC_FK
 DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

FCPP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY = CORP_FEATURE_CLASSES.FEATURE_CLASS_SKEY

FCPP_TAMF_FK
 MAP_FEATURE_ID = FTEN_TENURE_APPLICA_MAP_FEATUR.MAP_FEATURE_ID

Indexes:

FCPP_ASC_FK
 APPLICATION_STATUS_CODE

FCPP_CMC_FK
 CAPTURE_METHOD_CODE

FCPP_DSC_FK
 DATA_SOURCE_CODE

FCPP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY

FCPP_FFID_FK
 FOREST_FILE_ID

FCPP_TAMF_FK
 MAP_FEATURE_ID

Table: FTEN_FREE_USE_PERMIT_POLY*Description:*

A permit issued by the Ministry that authorizes the permittee to cut and use Crown timber without charge. The permit is confined to a small area and for short durations of time.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(30)
4	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
7	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
8	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
9	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
10	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
11	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
13	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
16	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NULL	NUMBER(5)
17	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)
18	CHANGE_TIMESTAMP1 The date and time the value in table 'free_use_permit' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	CHANGE_TIMESTAMP2 The date and time the value in table 'free_use_permit_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
20	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FFUPP_FFID_ASC_UK
APPLICATION_STATUS_CODE
FOREST_FILE_ID

Foreign Keys:

Table: FTEN_FREE_USE_PERMIT_POLY (cont'd)*Foreign Keys:*

FFUPP_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FFUPP_CSC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FFUPP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FFUPP_ASC_FK
APPLICATION_STATUS_CODE
FFUPP_CSC_FK
CAPTURE_METHOD_CODE
FFUPP_DSC_FK
DATA_SOURCE_CODE
FFUPP_FFID_FK
FOREST_FILE_ID

Table: FTEN_FREE_USE_PERMIT_POLYGONS*Description:*

A permit issued by the Ministry that authorizes the permittee to cut and use Crown timber without charge. The permit is confined to a small area and for short durations of time.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	FUP_COMMENT A comment associated with the Free Use Permit.	NULL	VARCHAR2(255)
3	RETIREMENT_DATE The date the entry is retired.	NULL	DATE
4	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5,0)
5	MAP_LABEL The default label to be used when displaying the feature on a map - Consists of: FOREST_FILE_ID.	NOT NULL	VARCHAR2(10)
6	GEOMETRY The geometry for this feature.	NULL	
7	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
8	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
9	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
10	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
11	ADMIN_DISTRICT_CODE Unique identifier for the ministry organization unit.	NOT NULL	VARCHAR(6)
12	ADMIN_DISTRICT_NAME Unique identifier for the ministry organization unit.	NOT NULL	VARCHAR2(100)
* 13	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
14	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
15	CHANGE_TIMESTAMP1 The date and time the value in table FREE_USE_PERMIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
16	CHANGE_TIMESTAMP2 The date and time the value in table FREE_USE_PERMIT_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP3 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE

Unique Constraints:

FTEN_FUP_OBJECTID_UK
OBJECTID

Notes:

TPM 2007-11-30. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

Table: FTEN_FREE_USE_PERMIT_POLYGONS (cont'd)*Notes:*

```

SELECT fup.forest_file_id,
       fup.fup_comment,
       fup.retirement_date,
       to_number(fup.amendment_id) amendment_id,
       fup.forest_file_id map_label,
       fupg.geometry,
       fupg.feature_area*10000 feature_area,
       fupg.feature_perimeter*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN fup.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN fup.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       tamf.map_feature_id objectid,
       fup.update_timestamp change_timestamp1,
       fupg.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM free_use_permit fup
JOIN free_use_permit_geom fupg ON fup.forest_file_id = fupg.forest_file_id AND
                                fup.amendment_id = fupg.amendment_id
JOIN tenure_application_map_feature tamf ON fupg.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON fup.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE fup.current_ind = 'Y' OR
      fup.amend_status_code = 'PND'

```

Table: FTEN_FREE_USE_PERMIT_POLY_SVW*Description:*

A permit issued by the Ministry that authorizes the permittee to cut and use Crown timber without charge. The permit is confined to a small area and for short durations of time.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	FUP_COMMENT A comment associated with the Free Use Permit.	NULL	VARCHAR2(255)
3	RETIREMENT_DATE The date the timber use was retired.	NULL	DATE
4	AMENDMENT_ID The amendment id for the instance	NULL	NUMBER(5)
5	MAP_LABEL The default label to be used when displaying the feature on a map - Consists of: FOREST_FILE_ID.	NULL	VARCHAR2(10)
6	GEOMETRY The geometry for this feature.	NULL	
7	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
8	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
9	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
10	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
11	ADMIN_DISTRICT_CODE Unique identifier for the ministry organization unit.	NULL	VARCHAR2(6)
12	ADMIN_DISTRICT_NAME Unique identifier for the ministry organization unit.	NULL	VARCHAR2(100)
13	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
14	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_HARVEST_AUTHORITY_POLY**Description:**

Information about the timber cutting permission for a timber tenure.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HARVEST_AUTH_SKEY The unique identifier for the harvesting authority.	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
7	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type harvesting tenure.	NULL	VARCHAR2(3)
8	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
9	HARVESTING_AUTHORITY_ID The licensee provided identifier for non-cp related harvesting tenure. E.g. Fort St. John harvesting authority.	NULL	VARCHAR2(30)
10	HA_MGMT_UNIT_ID The number that is assigned to a specific administrative management unit. Specific to the Harvesting Authority.	NULL	VARCHAR2(4)
11	HA_MGMT_UNIT_TYPE_CODE A code identifying the type of Management Unit which determines the applicable administrative policies for the forest land.	NULL	VARCHAR2(1)
12	HARVEST_TYPE_CODE Identifies the type of harvesting authority. Valid values include 'Green', 'Road', 'Multi-Mark', and 'Fort St. John'.	NOT NULL	VARCHAR2(1)
13	HARVEST_TYPE_DESCRIPTION Description of the Harvest Type.	NOT NULL	VARCHAR2(120)
14	HARVEST_AUTH_STATUS_CODE The after status image of the harvesting authority. The status indicates the point the harvesting authority is at in it's lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.	NULL	VARCHAR2(3)
15	ISSUE_DATE Date the harvest authorization was issued.	NULL	DATE
16	EXPIRY_DATE Initial expiry date set upon activation of the harvest authorization.	NULL	DATE
17	EXTEND_DATE Date to which the harvest authorization validity has been extended. Current expiry date.	NULL	DATE
18	CURRENT_EXPIRY_DATE_CALC The current expiry date of the harvest authority. Calculated from the greater of Expiry date and Extend Date.	NULL	DATE
19	QUOTA_TYPE_CODE A Timber Supply Area will have volumes assigned to one or more partitions, which are in effect different timber type classifications, or geographic locations. Under each partition are the different apportionments. Examples of Partitions are	NULL	VARCHAR2(1)
20	QUOTA_TYPE_DESCRIPTION Description of the Quota Type.	NULL	VARCHAR2(120)
21	CROWN_LANDS_REGION_CODE A code to identify one of eight crown land regions within the province of British Columbia.	NULL	VARCHAR2(1)
22	CROWN_LANDS_REGION_DESCRIPTION Description of the crown lands region.	NULL	VARCHAR2(120)
23	SALVAGE_TYPE_CODE Code describing the salvage type.	NULL	VARCHAR2(3)
24	SALVAGE_TYPE_DESCRIPTION Description of the salvage type.	NULL	VARCHAR2(120)
25	CASCADE_SPLIT_CODE Code to indicate the administrative split for the timber mark, east or west of the Cascade Mountains, for tracking timber volume information.	NULL	VARCHAR2(1)
26	CATASTROPHIC_IND	NOT NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
27	Indicates if the damage to the stand of timber is catastrophic. Otherwise, it is endemic. CROWN_GRANTED_IND Indicator to signify whether the land that the timber mark pertains to has a verifiable crown grant document.	NOT NULL	VARCHAR2(1)
28	CRUISE_BASED_IND Indicates whether a cruise was used for billing purposes.	NOT NULL	VARCHAR2(1)
29	DECIDUOUS_IND Indicates whether the timber mark is primarily for harvesting deciduous species. Otherwise, coniferous.	NOT NULL	VARCHAR2(1)
31	RETIREMENT_DATE The date the harvesting authority was retired from the spatial conflict layer.	NULL	DATE
32	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
33	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
34	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
35	ADMIN_DISTRICT_CODE The code of the administrative district associated with this harvest authority.	NOT NULL	VARCHAR2(6)
36	ADMIN_DISTRICT_NAME The name of the administrative district associated with this harvest authority.	NOT NULL	VARCHAR2(100)
37	GEOGRAPHIC_DISTRICT_CODE The code of the district in which this harvest authority is located.	NOT NULL	VARCHAR2(6)
38	GEOGRAPHIC_DISTRICT_NAME The name of the district in which this harvest authority is located.	NOT NULL	VARCHAR2(100)
39	LOCATION Contains the land legal information for the harvest authority. Land legal information indicates where the land is legally located, such as "Lot 3 of DL 343, Plan 3422".	NULL	VARCHAR2(100)
40	TIMBER_MARK_PRIME 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.	NULL	VARCHAR2(10)
41	MARKING_METHOD_CODE_PRIME Code indicating the method of marking the truckload of harvested timber.	NULL	VARCHAR2(1)
42	MARKING_METHOD_DESC_PRIME Description of the marking method.	NULL	VARCHAR2(120)
43	MARKING_INSTRUMENT_CODE_PRIME Code indicating the means of marking the timber for identification to the timber mark, eg., hammer, paint.	NULL	VARCHAR2(1)
44	MARKING_INSTRUMENT_DESC_PRIME Description of the marking instrument.	NULL	VARCHAR2(120)
50	OTHER_TIMBER_MARK_IND Indicates whether there are more than two timber marks for the harvesting authority.	NULL	VARCHAR2(1)
51	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
52	CLIENT_LOCATION_CODE 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.	NOT NULL	VARCHAR2(2)
53	CLIENT_NAME The name of the Ministry Client - Company or Individual.	NULL	VARCHAR2(91)
54	FILE_TYPE_CODE The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
55	FILE_TYPE_DESCRIPTION Description of the file type.	NULL	VARCHAR2(120)
56	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a	NULL	VARCHAR2(3)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	subset of Timber_Status_Code.		
57	PFU_MGMT_UNIT_ID	NULL	VARCHAR2(4)
	The number that is assigned to a specific administrative management unit. Specific to the Forest File.		
58	SB_FUNDED_IND	NOT NULL	VARCHAR2(1)
	Indicates if the forest file is funded by the small business.		
59	BCTS_ORG_UNIT_CODE	NULL	VARCHAR2(6)
	The BCTS Org Unit Code associated with the forest file.		
60	BCTS_ORG_UNIT_NAME	NULL	VARCHAR2(100)
	The name of the BCTS Org Unit associated with the forest file.		
* 61	LIFE_CYCLE_STATUS_CODE	NOT NULL	VARCHAR2(10)
	The state of the life cycle of this record. One of Pending, Active or Retired.		
62	MAP_LABEL	NULL	VARCHAR2(14)
	The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and CUTTING_PERMIT_ID.		
	<i>TPM 2007-12-10 Added as part of Phase II of FTA BVI.</i>		
63	OBJECTID	NULL	INTEGER
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		
	<i>TPM 2007-12-10 Added as part of Phase II of FTA BVI.</i>		
64	CHANGE_TIMESTAMP1	NOT NULL	DATE
	The date and time the value in table 'harvest_authority' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
65	CHANGE_TIMESTAMP2	NOT NULL	DATE
	The date and time the value in table 'harvest_authority_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
66	CHANGE_TIMESTAMP3	NOT NULL	DATE
	The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.		

Unique Constraints:

FTEN_FHA_OBJECTID_UK
OBJECTID

Indexes:

FTEN_HAP_ADC_I
ADMIN_DISTRICT_CODE
FTEN_HAP_BOUC_I
BCTS_ORG_UNIT_CODE
FTEN_HAP_CLIENT_I
CLIENT_NUMBER
CLIENT_LOCATION_CODE
FTEN_HAP_CRLC_I
CROWN_LANDS_REGION_CODE
FTEN_HAP_FCS_I
FEATURE_CLASS_SKEY
FTEN_HAP_FILE_CP_I
FOREST_FILE_ID
CUTTING_PERMIT_ID
FTEN_HAP_FSC_I
FILE_STATUS_CODE
FTEN_HAP_FTC_I
FILE_TYPE_CODE
FTEN_HAP_GDC_I
GEOGRAPHIC_DISTRICT_CODE
FTEN_HAP_HASC_I
HARVEST_AUTH_STATUS_CODE

Table: FTEN_HARVEST_AUTHORITY_POLY (cont'd)*Indexes:*

FTEN_HAP_HTC_I
 HARVEST_TYPE_CODE
 FTEN_HAP_QTC_I
 QUOTA_TYPE_CODE
 FTEN_HAP_STC_I
 SALVAGE_TYPE_CODE
 FTEN_HAP_TM_I
 TIMBER_MARK_PRIME

Notes:

TPM 2007-05-30. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

TPM 2007-12-10 Updated the select statement for the view:

```

SELECT hva.hva_skey harvest_auth_skey,
       hva.forest_file_id,
       hva.cutting_permit_id,
       tamf.feature_class_skey,
       hva.harvesting_authority_id,
       hva.mgmt_unit_id ha_mgmt_unit_id,
       hva.mgmt_unit_type_code ha_mgmt_unit_type_code,
       hva.harvest_type_code,
       htc.description harvest_type_description,
       hva.harvest_auth_status_code,
       hva.issue_date,
       hva.expiry_date,
       hva.extend_date,
       CASE
         WHEN hva.extend_date IS NOT NULL THEN
           hva.extend_date
         WHEN hva.expiry_date IS NOT NULL THEN
           hva.expiry_date
         ELSE
           greatest(hva.extend_date, hva.expiry_date)
       END CURRENT_EXPIRY_DATE_CALC,
       hva.quota_type_code,
       qtc.description quota_type_description,
       hva.crown_lands_region_code,
       clrc.description crown_lands_region_description,
       hva.salvage_type_code,
       stc.description salvage_type_description,
       hva.cascade_split_code,
       nvl(hva.catastrophic_ind,'N') catastrophic_ind,
       hva.crown_granted_ind,
       hva.cruise_based_ind,
       hva.deciduous_ind,
       hva.retirement_date,
       coalesce(hag.geometry,haag.geometry) geometry,
       coalesce(hag.feature_area,haag.feature_area)*10000 feature_area,
       coalesce(hag.feature_perimeter,haag.feature_perimeter)*1000 feature_perimeter,
       admin_dist.org_unit_code admin_district_code,
       admin_dist.org_unit_name admin_district_name,
       geo_dist
.org_unit_code geographic_district_code,
       geo_dist.org_unit_name geographic_district_name,

```

Table: FTEN_HARVEST_AUTHORITY_POLY (cont'd)**Notes:**

```

hva.location,
haul.timber_mark timber_mark_prime,
haul.marking_method_code marking_method_code_prime,
mmc_prime.description marking_method_desc_prime,
haul.marking_instrument_code marking_instrument_code_prime,
mic_prime.description marking_instrument_desc_prime,
(SELECT CASE
    WHEN COUNT(*) > 0 THEN
        'Y'
    ELSE
        'N'
END
FROM harvesting_hauling_xref xref
WHERE hva.hva_skey = xref.hva_skey AND
    xref.primary_mark_ind = 'N'
) other_timber_mark_ind,
ffc.client_number,
ffc.client_locn_code client_location_code,
CASE
    WHEN fc.client_type_code = 'I' THEN
        fc.legal_first_name || ' ' || fc.client_name
    ELSE
        fc.client_name
END client_name,
pfu.file_type_code,
ftc.description file_type_description,
pfu.file_status_st file_status_code,
pfu.mgmt_unit_id pfu_mgmt_unit_id,
pfu.sb_funded_ind,
bcts.org_unit_code bcts_org_unit_code,
bcts.org_unit_name bcts_org_unit_name,
CAST(CASE
    WHEN ta.tenure_application_state_code = 'INB' THEN
        'PENDING'
    WHEN hva.retirement_date IS NOT NULL THEN
        'RETIRED'
    ELSE
        'ACTIVE'
END AS VARCHAR2(10)) life_cycle_status_code,
hva.forest_file_id || ' ' || hva.cutting_permit_id MAP_LABEL,
coalesce(hag.map_feature_id, haag.map_feature_id) objectid,
hva.update_timestamp change_timestamp1,
coalesce(hag.update_timestamp, haag.update_timestamp) change_timestamp2,
pfu.update_timestamp change_timestamp3
FROM harvesting_authority hva
join harvest_authority_amen
d_geom haag on haag.hva_skey = hva.hva_skey
left JOIN harvest_authority_geom hag ON haag.map_feature_id = hag.map_feature_id
JOIN prov_forest_use pfu ON hva.forest_file_id = pfu.forest_file_id
LEFT JOIN harvesting_hauling_xref hhx on hva.hva_skey = hhx.hva_skey
    and hhx.primary_mark_ind = 'Y'
LEFT JOIN hauling_authority haul ON hhx.timber_mark = haul.timber_mark
LEFT JOIN marking_method_code mmc_prime ON haul.marking_method_code =
    mmc_prime.marking_method_code
LEFT JOIN marking_instrument_code mic_prime ON haul.marking_instrument_code =
    mic_prime.marking_instrument_code
JOIN forest_file_client ffc ON ffc.forest_file_id = hva.forest_file_id AND
    ffc.forest_file_client_type_code = 'A'

```

Table: FTEN_HARVEST_AUTHORITY_POLY (cont'd)*Notes:*

```
JOIN forest_client fc ON fc.client_number = ffc.client_number
JOIN harvest_type_code htc ON hva.harvest_type_code = htc.harvest_type_code
LEFT JOIN quota_type_code qtc ON hva.quota_type_code = qtc.quota_type_code
LEFT JOIN crown_land_region_code clrc ON hva.crown_land_region_code =
    clrc.crown_land_region_code
LEFT JOIN salvage_type_code stc ON hva.salvage_type_code = stc.salvage_type_code
JOIN file_type_code ftc ON pfu.file_type_code = ftc.file_type_code
JOIN org_unit admin_dist ON hva.forest_district = admin_dist.org_unit_no
JOIN org_unit geo_dist ON hva.geographic_district = geo_dist.org_unit_no
LEFT JOIN org_unit bcts ON pfu.bcts_org_unit = bcts.org_unit_no
JOIN tenure_application_map_feature tamf ON tamf.map_feature_id = haag.map_feature_id
JOIN tenure_application ta ON ta.tenure_app_id = tamf.tenure_app_id
WHERE (ta.tenure_application_state_code = 'INB' OR
    (ta.tenure_application_state_code IN ('APP', 'RET') AND hag.hva_skey IS NOT NULL)) AND
(hva.harvest_auth_status_code NOT IN ('EE', 'DD', 'PD', 'PL', 'SP') OR
    hva.harvest_auth_status_code IS NULL)
```

Table: FTEN_HARVEST_AUTH_POLY_SVW*Description:*

Information about the timber cutting permission for a timber tenure.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	HARVEST_AUTH_SKEY The unique identifier for the harvesting authority.	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type harvesting tenure.	NULL	VARCHAR2(3)
4	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
5	HARVESTING_AUTHORITY_ID The licensee provided identifier for non-cp related harvesting tenure. E.g. Fort St. John harvesting authority.	NULL	VARCHAR2(30)
6	HA_MGMT_UNIT_ID The administrative management unit identifier defined by the ministry for managing the forest tenure, eg. 41 - Dawson Creek TSA.	NULL	VARCHAR2(4)
7	HA_MGMT_UNIT_TYPE_CODE A code identifying the type of Management Unit which determines the applicable administrative policies for the forest land.	NULL	VARCHAR2(1)
8	HARVEST_TYPE_CODE Identifies the type of harvesting authority. Valid values include 'Green', 'Road', 'Multi-Mark', and 'Fort St. John'.	NULL	VARCHAR2(1)
9	HARVEST_TYPE_DESCRIPTION Description of the harvest type.	NULL	VARCHAR2(120)
10	HARVEST_AUTH_STATUS_CODE The after status image of the harvesting authority. The status indicates the point the harvesting authority is at in it's lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.	NULL	VARCHAR2(3)
11	ISSUE_DATE Date the harvest authorization was issued.	NULL	DATE
12	EXPIRY_DATE Initial expiry date set upon activation of the harvest authorization.	NULL	DATE
13	EXTEND_DATE Date to which the harvest authorization validity has been extended. Current expiry date.	NULL	DATE
14	CURRENT_EXPIRY_DATE_CALC The current expiry date of the harvest authority. Calculated from the greater of Expiry date and Extend Date.	NULL	DATE
15	QUOTA_TYPE_CODE A Timber Supply Area will have volumes assigned to one or more partitions, which are in effect different timber type classifications, or geographic locations. Under each partition are the different apportionments. Examples of Partitions are	NULL	VARCHAR2(1)
16	QUOTA_TYPE_DESCRIPTION Description of the quota type.	NULL	VARCHAR2(120)
17	CROWN_LANDS_REGION_CODE A code to identify one of eight crown land regions within the province of British Columbia.	NULL	VARCHAR2(240)
18	CROWN_LANDS_REGION_DESCRIPTION Description of the crown lands region.	NULL	VARCHAR2(120)
19	SALVAGE_TYPE_CODE Code describing the salvage type.	NULL	VARCHAR2(3)
20	SALVAGE_TYPE_DESCRIPTION Description of the salvage type.	NULL	VARCHAR2(120)
21	CASCADE_SPLIT_CODE Code to indicate the administrative split for the timber mark, east or west of the Cascade Mountains, for tracking timber volume information.	NULL	VARCHAR2(1)
22	CATASTROPHIC_IND	NOT NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
23	Indicates if the damage to the stand of timber is catastrophic. Otherwise, it is endemic. CROWN_GRANTED_IND	NOT NULL	VARCHAR2(1)
24	Indicator to signify whether the land that the timber mark pertains to has a verifiable crown grant document. CRUISE_BASED_IND	NOT NULL	VARCHAR2(1)
26	Indicates whether a cruise was used for billing purposes. DECIDUOUS_IND	NULL	VARCHAR2(1)
27	Indicates whether the timber mark is primarily for harvesting deciduous species. Otherwise, coniferous. RETIREMENT_DATE	NULL	DATE
28	The date the harvesting authority was retired from the spatial conflict layer. GEOMETRY	NULL	
29	An area-based spatial feature representing the tenure boundary. FEATURE_AREA	NULL	NUMBER(15,4)
30	Spatial feature area in square metres. This value is calculated. FEATURE_PERIMETER	NULL	NUMBER(12,4)
31	Spatial perimeter length in metres. This value is calculated. ADMIN_DISTRICT_CODE	NULL	VARCHAR2(6)
32	The code of the administrative district associated with this harvest authority. ADMIN_DISTRICT_NAME	NULL	VARCHAR2(100)
33	The name of the administrative district associated with this harvest authority. GEOGRAPHIC_DISTRICT_CODE	NULL	VARCHAR2(6)
34	The code of the district in which this harvest authority is located. GEOGRAPHIC_DISTRICT_NAME	NULL	VARCHAR2(100)
35	The name of the district in which this harvest authority is located. LOCATION	NULL	VARCHAR2(100)
36	Contains the land legal information for the harvest authority. Land legal information indicates where the land is legally located, such as "Lot 3 of DL 343, Plan 3422". TIMBER_MARK_PRIME	NULL	VARCHAR2(10)
37	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. MARKING_METHOD_CODE_PRIME	NULL	VARCHAR2(1)
38	Code indicating the method of marking the truckload of harvested timber. MARKING_METHOD_DESC_PRIME	NULL	VARCHAR2(120)
39	Description of the marking method. MARKING_INSTRUMENT_CODE_PRIME	NULL	VARCHAR2(1)
40	Code indicating the instrument used for marking the truckload of harvested timber. MARKING_INSTRUMENT_DESC_PRIME	NULL	VARCHAR2(120)
46	Description of the marking instrument. OTHER_TIMBER_MARK_IND	NULL	VARCHAR2(1)
47	used to represent if there are more than two timber marks for the harvesting authority CLIENT_NUMBER	NULL	VARCHAR2(8)
48	Sequentially assigned number to identify a ministry client. CLIENT_LOCATION_CODE	NULL	VARCHAR2(2)
49	A code to uniquely identify within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address. CLIENT_NAME	NULL	VARCHAR2(91)
50	The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual. FILE_TYPE_CODE	NULL	VARCHAR2(3)
51	The FTAS code to indicate the type of file, and often synonymous with a tenure or a project. FILE_TYPE_DESCRIPTION	NULL	VARCHAR2(120)
52	Description of the file type. FILE_STATUS_CODE	NULL	VARCHAR2(3)
53	The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code. PFU_MGMT_UNIT_ID	NULL	VARCHAR2(4)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
54	SB_FUNDED_IND The number that is assigned to a specific administrative management unit. Specific to the Forest File. Indicates if the forest file is funded by the small business.	NULL	VARCHAR2(1)
55	BCTS_ORG_UNIT_CODE The BCTS Org Unit Code associated with the forest file.	NULL	VARCHAR2(6)
56	BCTS_ORG_UNIT_NAME The name of the BCTS Org Unit associated with the forest file.	NULL	VARCHAR2(100)
66	LIFE_CYCLE_STATUS_CODE The state of the life cycle of this record. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
71	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and CUTTING_PERMIT_ID.	NULL	VARCHAR2(14)
76	OBJECTID <i>TPM 2007-12-10 Added as part of Phase II of FTA BVI.</i> a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER

Notes:

11-01-2008 DH - Updated for the FTA piece of the BVI project.

Table: FTEN_HARVEST_HAULING_AUTH**Description:**

Information about the moving permission for a timber tenure. For some Road Permits and Licences to Cut, no moving permission is granted.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HARVEST_AUTH_SKEY The unique identifier for the harvesting authority.	NOT NULL	NUMBER(10)
* 2	TIMBER_MARK 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.	NOT NULL	VARCHAR2(10)
3	PRIMARY_MARK_IND Identifies the primary timber mark for those harvesting authorities that can have multiple marks.	NOT NULL	VARCHAR2(1)
4	HAULING_FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
5	MARKING_METHOD_CODE Code indicating the method of marking the truckload of harvested timber.	NULL	VARCHAR2(1)
6	MARKING_METHOD_DESCRIPTION Code indicating the method of marking the truckload of harvested timber.	NULL	VARCHAR2(120)
7	MARKING_INSTRUMENT_CODE Code indicating the means of marking the timber for identification to the timber mark, eg., hammer, paint.	NULL	VARCHAR2(1)
8	MARKING_INSTRUMENT_DESCRIPTION Description of the marking instrument.	NULL	VARCHAR2(120)
9	HARVEST_AUTH_STATUS_CODE The after status image of the harvesting authority. The status indicates the point the harvesting authority is at in its lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.	NULL	VARCHAR2(3)

Indexes:

FTEN_HHA_FFID_I
HAULING_FOREST_FILE_ID

Notes:

2007-12-05. Added as part of phase II of FTA BVI.

This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT hhx.hva_skey HARVEST_AUTH_SKEY,
       hhx.TIMBER_MARK,
       hhx.PRIMARY_MARK_IND,
       haul.forest_file_id HAULING_FOREST_FILE_ID,
       haul.MARKING_METHOD_CODE,
       mmc.description MARKING_METHOD_DESCRIPTION,
       haul.MARKING_INSTRUMENT_CODE,
       mic.description MARKING_INSTRUMENT_DESCRIPTION,
       ha.harvest_auth_status_code
FROM harvesting_hauling_xref hhx
JOIN harvesting_authority ha ON hhx.hva_skey = ha.hva_skey
JOIN hauling_authority haul ON hhx.timber_mark = haul.timber_mark
LEFT JOIN marking_method_code mmc ON mmc.marking_method_code = haul.marking_method_code
LEFT JOIN marking_instrument_code mic ON mic.marking_instrument_code = haul.marking_instrument_code
```

Table: FTEN_HARVEST_HAULING_AUTH_VW**Description:**

Information about the moving permission for a timber tenure. For some Road Permits and Licences to Cut, no moving permission is granted.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	HARVESTING_AUTH_SKEY The unique identifier for the harvesting authority.	NULL	NUMBER(10)
2	TIMBER_MARK 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.	NULL	VARCHAR2(10)
3	PRIMARY_MARK_IND Identifies the primary timber mark for those harvesting authorities that can have multiple marks.	NULL	VARCHAR2(1)
4	HAULING_FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
5	MARKING_METHOD_CODE Code indicating the method of marking the truckload of harvested timber.	NULL	VARCHAR2(1)
6	MARKING_METHOD_DESCRIPTION Code indicating the method of marking the truckload of harvested timber.	NULL	VARCHAR2(120)
7	MARKING_INSTRUMENT_CODE Code indicating the means of marking the timber for identification to the timber mark, eg., hammer, paint.	NULL	VARCHAR2(1)
8	MARKING_INSTRUMENT_DESCRIPTION Description of the marking instrument.	NULL	VARCHAR2(120)
9	HARVEST_AUTH_STATUS_CODE The after status image of the harvesting authority. The status indicates the point the harvesting authority is at in its lifecycle. Examples are: PP - Planning, HA - Harvesting, LC - Logging Complete, and S - Silviculture.	NULL	VARCHAR2(3)

Notes:

10-01-2008 DH - Created for the FTA piece of the BVI Project

Table: FTEN_MANAGED_LICENCE_POLY**Description:**

Community Forest Schedule A and B, Wood Lot License Schedule A and B. The Forest Tenures Section (FTS) is responsible for the creation and maintenance of digital Forest Atlas files for the province of British Columbia encompassing Forest and Range

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	MAP_BLOCK_ID Map block id. Must be unique with relation to the forest file	NOT NULL	VARCHAR2(10)
4	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(30)
5	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
6	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
7	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
12	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
14	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
16	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NULL	NUMBER(5)
17	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)
18	CHANGE_TIMESTAMP1 The date and time the value in table 'managed_licence' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	CHANGE_TIMESTAMP2 The date and time the value in table 'managed_licence_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
20	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FMLP_ML_FFID_ASC_UK_UK

Table: FTEN_MANAGED_LICENCE_POLY (cont'd)*Unique Constraints:*

FEATURE_CODE
MAP_BLOCK_ID
APPLICATION_STATUS_CODE
FOREST_FILE_ID

Foreign Keys:

FMLP_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FMLP_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FMLP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FMLP_ASC_FK
APPLICATION_STATUS_CODE
FMLP_CMC_FK
CAPTURE_METHOD_CODE
FMLP_DSC_FK
DATA_SOURCE_CODE
FMLP_ML_FK
FOREST_FILE_ID
MAP_BLOCK_ID

Table: FTEN_MANAGED_LICENCE_POLYGONS*Description:*

The spatial representation of Community Forest and Wood Lot Licences. Both Schedule A (private) and Schedule B (crown) lands are included in this layer.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	MAP_BLOCK_ID Identifier for a Managed Licence map block.	NOT NULL	VARCHAR2(10)
* 3	ML_TYPE_CODE The type of Managed Licence. Either Schedule A or Schedule B.	NOT NULL	VARCHAR2(10)
4	ML_COMMENT A comment about this managed licence.	NULL	VARCHAR2(255)
5	RETIREMENT_DATE The Date and time the managed licence feature was retired.	NULL	DATE
6	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5)
7	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID, MAP_BLOCK_ID and ML_TYPE_CODE	NOT NULL	VARCHAR2(30)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
10	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
11	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
12	CLIENT_NAME The name of the Ministry Client - Company or Individual.	NULL	VARCHAR2(91)
13	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
14	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
15	ADMIN_DISTRICT_CODE The code of the district in which the road section is located.	NOT NULL	VARCHAR2(6)
16	ADMIN_DISTRICT_NAME The name of the district in which the road section is located.	NOT NULL	VARCHAR2(100)
* 17	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
18	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
19	CHANGE_TIMESTAMP1 The date and time the value in table MANAGED_LICENCE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
20	CHANGE_TIMESTAMP2 The date and time the value in table MANAGED_LICENCE_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
21	CHANGE_TIMESTAMP3 The date and time the value in table FOREST_CLIENT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
22	CHANGE_TIMESTAMP4 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Table: FTEN_MANAGED_LICENCE_POLYGONS (cont'd)*Notes:*

```
l_type_code
JOIN forest_file_client ffc ON ml.forest_file_id = ffc.forest_file_id AND
    ffc.forest_file_client_type_code = 'A'
JOIN forest_client fc ON ffc.client_number = fc.client_number
JOIN tenure_application_map_feature tamf ON mlg.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON ml.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE ml.current_ind = 'Y' OR
    ml.amend_status_code = 'PND'
```

Table: FTEN_MANAGED_LICENCE_POLY_SVW**Description:**

Community Forest Schedule A and B, Wood Lot License Schedule A and B. The Forest Tenures Section (FTS) is responsible for the creation and maintenance of digital Forest Atlas files for the province of British Columbia encompassing Forest and Range

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	MAP_BLOCK_ID Identifier for a Managed Licence map block.	NOT NULL	VARCHAR2(10)
3	ML_TYPE_CODE The type of Managed Licence. Either Schedule A or Schedule B.	NOT NULL	VARCHAR2(10)
4	ML_COMMENT A comment about this managed licence.	NULL	VARCHAR2(255)
5	RETIREMENT_DATE The Date and time the managed licence feature was retired.	NULL	DATE
6	AMENDMENT_ID The amendment id for the instance	NOT NULL	NUMBER(5)
7	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID, MAP_BLOCK_ID and ML_TYPE_CODE	NULL	VARCHAR2(30)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
10	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
11	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
12	CLIENT_NAME The name of the Ministry Client - Company or Individual.	NULL	VARCHAR2(91)
13	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
14	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
15	ADMIN_DISTRICT_CODE The code of the district in which the road section is located.	NULL	VARCHAR2(6)
16	ADMIN_DISTRICT_NAME The name of the district in which the road section is located.	NULL	VARCHAR2(100)
17	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
18	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

10-01-2008 DH - Added for the FTA piece of the BVI project.

Table: FTEN_MAP_NOTATION_LINE*Description:*

A notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(30)
4	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
7	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
8	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
9	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
10	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)
11	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
12	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
13	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
14	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
16	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
17	CHANGE_TIMESTAMP1 The date and time the value in table 'map_notation' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP2 The date and time the value in table 'map_notation_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FMNL_FFID_ASC_UK_UK
APPLICATION_STATUS_CODE
FOREST_FILE_ID

Foreign Keys:

Table: FTEN_MAP_NOTATION_LINE (cont'd)*Foreign Keys:*

FMNL_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FMNL_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FMNL_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FMNL_ASC_FK
APPLICATION_STATUS_CODE
FMNL_CMC_FK
CAPTURE_METHOD_CODE
FMNL_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_MAP_NOTATION_LINES*Description:*

The linear spatial representation for a notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	OIC_YEAR Year that the Order In Council decision was made.	NULL	VARCHAR2(4)
3	OIC_NUMBER An identifier associated with the Order in Council decision.	NULL	VARCHAR2(14)
4	TS_NUMBER The TSA that the Map Notiation is located in .	NULL	VARCHAR2(2)
5	OLD_FILE A reference to a previous file number for this Map Notation.	NULL	VARCHAR2(30)
6	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
7	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
8	DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
9	RETIREMENT_DATE The date the map notation feature was retired.	NULL	DATE
10	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5)
11	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NOT NULL	VARCHAR2(35)
12	GEOMETRY The geometry of the spatial feature.	NULL	
13	FEATURE_LENGTH Spatial perimeter length in metres. This value is calculated	NULL	NUMBER(12,4)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the district in which the Map Notation is located.	NULL	VARCHAR2(6)
17	ADMIN_DISTRICT_NAME The name of the district in which the Map Notation is located.	NULL	VARCHAR2(100)
* 18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
19	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	NUMBER(10)
20	CHANGE_TIMESTAMP1 The date and time the value in table MAP_NOTATION was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
21	CHANGE_TIMESTAMP2 The date and time the value in table MAP_NOTATION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
22	CHANGE_TIMESTAMP3 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

Table: FTEN_MAP_NOTATION_LINES (cont'd)*Unique Constraints:*

FTEN_MNL_OBJECTID_UK
OBJECTID

Notes:

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT mn.forest_file_id,
       mn.oic_year,
       mn.oic_number,
       mn.ts_number,
       mn.old_file,
       mn.trail_number,
       mn.trail_name,
       mn.description,
       mn.retirement_date,
       to_number(mn.amendment_id) amendment_id,
       mn.forest_file_id map_label,
       mng.geometry,
       mng.feature_length*1000 feature_length,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN mn.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN mn.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       mng.map_feature_id objectid,
       mn.update_timestamp change_timestamp1,
       mng.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM map_notation mn
JOIN map_notation_geom mng ON mn.forest_file_id = mng.forest_file_id AND
                           mn.amendment_id = mng.amendment_id
JOIN tenure_application_map_feature tamf ON mng.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON mn.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE (mn.current_ind = 'Y' OR mn.amend_status_code = 'PND') AND
       mng.geometry_type_code = 'L'
```

Table: FTEN_MAP_NOTATION_LINE_SVW*Description:*

A notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NULL	NUMBER(10)
2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(30)
3	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
4	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
5	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
6	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
7	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
8	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
9	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
10	UPDATE_USERID The USERID of the individual who last updated the information.	NOT NULL	VARCHAR2(30)
11	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
12	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
13	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
14	MAP_NOTATION_TYPE_CODE Defines the type of Map Notation	NOT NULL	VARCHAR2(10)
15	ADMIN_ORG_UNIT_NUMBER 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 not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
16	ORDER_IN_COUNCIL_YEAR Order in Council year	NULL	VARCHAR2(4)
17	ORDER_IN_COUNCIL_NUMBER Order in Council number	NULL	VARCHAR2(14)
18	TIMBER_SUPPLY_NUMBER TSA Number	NULL	VARCHAR2(2)
19	OLD_FILE Previous file reference	NULL	VARCHAR2(30)
20	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
21	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
22	MAP_NOTATION_COMMENT Comments	NULL	VARCHAR2(255)
23	MAP_NOTATION_DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
24	MAP_NOTATION_TYPE_DESCRIPTION The long description of the code suitable for display	NOT NULL	VARCHAR2(255)

Table: FTEN_MAP_NOTATION_POINT*Description:*

A notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(30)
4	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
7	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
12	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
13	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
15	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
16	CHANGE_TIMESTAMP1 The date and time the value in table 'map_notation' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
17	CHANGE_TIMESTAMP2 The date and time the value in table 'map_notation_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)

Unique Constraints:

FMNPT_FFID_ASC_UK_UK
APPLICATION_STATUS_CODE
FOREST_FILE_ID

Foreign Keys:

Table: FTEN_MAP_NOTATION_POINT (cont'd)*Foreign Keys:*

FMNPT_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FMNPT_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FMNPT_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FMNPT_ASC_FK
APPLICATION_STATUS_CODE
FMNPT_CMC_FK
CAPTURE_METHOD_CODE
FMNPT_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_MAP_NOTATION_POINTS*Description:*

The point spatial representation for a notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	OIC_YEAR Year that the Order In Council decision was made.	NULL	VARCHAR2(4)
3	OIC_NUMBER An identifier associated with the Order in Council decision.	NULL	VARCHAR2(14)
4	TS_NUMBER The TSA that the Map Notiation is located in .	NULL	VARCHAR2(2)
5	OLD_FILE A reference to a previous file number for this Map Notation.	NULL	VARCHAR2(30)
6	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
7	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
8	DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
9	RETIREMENT_DATE The date the map notation feature was retired.	NULL	DATE
10	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5)
11	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NOT NULL	VARCHAR2(35)
12	GEOMETRY The geometry of the spatial feature.	NULL	
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the district in which the Map Notation is located.	NOT NULL	VARCHAR2(6)
17	ADMIN_DISTRICT_NAME The name of the district in which the Map Notation is located.	NOT NULL	VARCHAR2(100)
* 18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
19	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
20	CHANGE_TIMESTAMP1 The date and time the value in table MAP_NOTATION was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
21	CHANGE_TIMESTAMP2 The date and time the value in table MAP_NOTATION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
22	CHANGE_TIMESTAMP3 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_MNPNT_OBJECTID_UK
OBJECTID

Table: FTEN_MAP_NOTATION_POINTS (cont'd)*Notes:*

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT mn.forest_file_id,
       mn.oic_year,
       mn.oic_number,
       mn.ts_number,
       mn.old_file,
       mn.trail_number,
       mn.trail_name,
       mn.description,
       mn.retirement_date,
       to_number(mn.amendment_id) amendment_id,
       mn.forest_file_id map_label,
       mng.geometry,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN mn.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN mn.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       mng.map_feature_id objectid,
       mn.update_timestamp change_timestamp1,
       mng.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM map_notation mn
JOIN map_notation_geom mng ON mn.forest_file_id = mng.forest_file_id AND
                             mn.amendment_id = mng.amendment_id
JOIN tenure_application_map_feature tamf ON mng.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON mn.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE (mn.current_ind = 'Y' OR mn.amend_status_code = 'PND') AND
       mng.geometry_type_code = 'X'
```

Table: FTEN_MAP_NOTATION_POINT_SVW*Description:*

A notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(30)
3	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
4	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
5	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
6	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
7	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
8	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
9	RETIREMENT_DATE The date the entry is retired.	NULL	DATE
10	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
11	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
12	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
13	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
14	MAP_NOTATION_TYPE_CODE Defines the type of Map Notation	NOT NULL	VARCHAR2(10)
15	ADMIN_ORG_UNIT_NUMBER 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 not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
16	ORDER_IN_COUNCIL_YEAR Order in Council year	NULL	VARCHAR2(4)
17	ORDER_IN_COUNCIL_NUMBER Order in Council number	NULL	VARCHAR2(14)
18	TIMBER_SUPPLY_NUMBER TSA Number	NULL	VARCHAR2(2)
19	OLD_FILE Previous file reference	NULL	VARCHAR2(30)
20	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
21	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
22	MAP_NOTATION_COMMENT Comments	NULL	VARCHAR2(255)
23	MAP_NOTATION_DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
24	MAP_NOTATION_TYPE_DESCRIPTION The long description of the code suitable for display	NOT NULL	VARCHAR2(255)

Table: FTEN_MAP_NOTATION_POLY*Description:*

A notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID	NOT NULL	NUMBER(10)
	A unique value identifying the instance of the feature		
2	REVISION_COUNT	NULL	NUMBER(5)
	A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.		
3	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The unique user id of the resource who initially added the entry.		
4	ENTRY_TIMESTAMP	NOT NULL	DATE
	Timestamp when the event information was entered.		
5	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The unique id of the user who last modified this entry.		
6	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the value was last modified.		
7	FEATURE_CODE	NULL	VARCHAR2(10)
	A unique feature code		
8	CAPTURE_METHOD_CODE	NULL	VARCHAR2(30)
	A code defining the capture method. (e.g. digitize).		
9	DATA_SOURCE_CODE	NULL	VARCHAR2(10)
	A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).		
10	APPLICATION_STATUS_CODE	NOT NULL	VARCHAR2(10)
	Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.		
11	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.		
12	GEOMETRY	NULL	
	An area-based spatial feature representing the tenure boundary.		
13	OBSERVATION_DATE	NULL	DATE
	Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.		
14	RETIREMENT_DATE	NULL	DATE
	Metadata indicating when a feature was retired.		
15	DATA_QUALITY_COMMENT	NULL	VARCHAR2(255)
	Metadata user defined comment about the spatial data.		
16	CHANGE_TIMESTAMP1	NOT NULL	DATE
	The date and time the value in table 'map_notation' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
17	CHANGE_TIMESTAMP2	NOT NULL	DATE
	The date and time the value in table 'map_notation_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
18	CHANGE_TIMESTAMP3	NOT NULL	DATE
	The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
19	OBJECTID	NULL	NUMBER(38)
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		

Unique Constraints:

FMNP_FFID_ASC_UK_UK
APPLICATION_STATUS_CODE
FOREST_FILE_ID

Foreign Keys:

Table: FTEN_MAP_NOTATION_POLY (cont'd)*Foreign Keys:*

FMNP_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FMNP_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FMNP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FMNP_ASC_FK
APPLICATION_STATUS_CODE
FMNP_CMC_FK
CAPTURE_METHOD_CODE
FMNP_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_MAP_NOTATION_POLYGONS*Description:*

The polygonal spatial representation for a notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	OIC_YEAR Year that the Order In Council decision was made.	NULL	VARCHAR2(4)
3	OIC_NUMBER An identifier associated with the Order in Council decision.	NULL	VARCHAR2(14)
4	TS_NUMBER The TSA that the Map Notiation is located in .	NULL	VARCHAR2(2)
5	OLD_FILE A reference to a previous file number for this Map Notation.	NULL	VARCHAR2(30)
6	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
7	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
8	DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
9	RETIREMENT_DATE The date the map notation feature was retired.	NULL	DATE
10	AMENDMENT_ID The amendment id for the instance	NOT NULL	NUMBER(5)
11	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID	NOT NULL	VARCHAR2(35)
12	GEOMETRY The geometry of the spatial feature.	NULL	
13	FEATURE_AREA Spatial feature area in square metres. This value is calculated	NULL	NUMBER(15,4)
14	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated	NULL	NUMBER(12,4)
15	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
16	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
17	ADMIN_DISTRICT_CODE The code of the district in which the Map Notation is located.	NOT NULL	VARCHAR(6)
18	ADMIN_DISTRICT_NAME The name of the district in which the Map Notation is located.	NOT NULL	VARCHAR2(100)
* 19	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
20	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
21	CHANGE_TIMESTAMP1 The date and time the value in table MAP_NOTATION was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
22	CHANGE_TIMESTAMP2 The date and time the value in table MAP_NOTATION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
23	CHANGE_TIMESTAMP3 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Table: FTEN_MAP_NOTATION_POLYGONS (cont'd)*Unique Constraints:*

FTEN_MNPOLY_OBJECTID_UK
OBJECTID

Notes:

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT mn.forest_file_id,
       mn.oic_year,
       mn.oic_number,
       mn.ts_number,
       mn.old_file,
       mn.trail_number,
       mn.trail_name,
       mn.description,
       mn.retirement_date,
       to_number(mn.amendment_id) amendment_id,
       mn.forest_file_id map_label,
       mng.geometry,
       mng.feature_area*10000 feature_area,
       mng.feature_perimeter*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN mn.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN mn.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       mng.map_feature_id objectid,
       mn.update_timestamp change_timestamp1,
       mng.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM map_notation mn
JOIN map_notation_geom mng ON mn.forest_file_id = mng.forest_file_id AND
                           mn.amendment_id = mng.amendment_id
JOIN tenure_application_map_feature tamf ON mng.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON mn.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE (mn.current_ind = 'Y' OR mn.amend_status_code = 'PND') AND
       mng.geometry_type_code = 'P'
```

Table: FTEN_MAP_NOTATION_POLY_SVW*Description:*

A notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
3	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
4	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
7	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NOT NULL	
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
11	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
12	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
13	MAP_NOTATION_TYPE_CODE Defines the type of Map Notation	NOT NULL	VARCHAR2(10)
14	ADMIN_ORG_UNIT_NUMBER 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 not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
15	ORDER_IN_COUNCIL_YEAR Order in Council year	NULL	VARCHAR2(4)
16	ORDER_IN_COUNCIL_NUMBER Order in Council number	NULL	VARCHAR2(14)
17	TIMBER_SUPPLY_NUMBER TSA Number	NULL	VARCHAR2(2)
18	OLD_FILE Previous file reference	NULL	VARCHAR2(30)
19	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
20	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
21	MAP_NOTATION_COMMENT Comments	NULL	VARCHAR2(255)
22	MAP_NOTATION_DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
23	RETIREMENT_DATE The date the entry is retired.	NOT NULL	DATE
24	MAP_NOTATION_TYPE_DESCRIPTION The long description of the code suitable for display	NULL	VARCHAR2(255)

Table: FTEN_MAP_NOTATN_LINES_SVW**Description:**

The linear spatial representation for a notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	OIC_YEAR Year that the Order In Council decision was made.	NULL	VARCHAR2(4)
3	OIC_NUMBER An identifier associated with the Order in Council decision.	NULL	VARCHAR2(14)
4	TS_NUMBER The TSA that the Map Notiation is located in .	NULL	VARCHAR2(2)
5	OLD_FILE A reference to a previous file number for this Map Notation.	NULL	VARCHAR2(30)
6	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
7	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
8	DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
9	RETIREMENT_DATE The date the map notation feature was retired.	NULL	DATE
10	AMENDMENT_ID The amendment id for the instance	NULL	NUMBER(5)
11	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NULL	VARCHAR2(10)
12	GEOMETRY The geometry of the spatial feature.	NULL	
13	FEATURE_LENGTH Spatial perimeter length in metres. This value is calculated	NULL	NUMBER(12,4)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the district in which the Map Notation is located.	NULL	VARCHAR2(6)
17	ADMIN_DISTRICT_NAME Unique identifier for the miniThe name of the district in which the Map Notation is located.stry organization unit.	NULL	VARCHAR2(100)
18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
19	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_MAP_NOTATN_POINTS_SVW**Description:**

The point spatial representation for a notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	OIC_YEAR Year that the Order In Council decision was made.	NULL	VARCHAR2(4)
3	OIC_NUMBER An identifier associated with the Order in Council decision.	NULL	VARCHAR2(14)
4	TS_NUMBER Year that the Order In Council decision was made.	NULL	VARCHAR2(2)
5	OLD_FILE A reference to a previous file number for this Map Notation.	NULL	VARCHAR2(30)
6	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
7	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
8	DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
9	RETIREMENT_DATE The date the map notation feature was retired.	NULL	DATE
10	AMENDMENT_ID The amendment id for the instance	NULL	NUMBER(5)
11	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NULL	VARCHAR2(10)
12	GEOMETRY The geometry of the spatial feature.	NULL	
13	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
14	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
15	ADMIN_DISTRICT_CODE The code of the district in which the Map Notation is located.	NULL	VARCHAR2(6)
16	ADMIN_DISTRICT_NAME Unique identifier for the miniThe name of the district in which the Map Notation is located.stry organization unit.	NULL	VARCHAR2(100)
17	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
18	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_MAP_NOTATN_POLY_SVW**Description:**

The polygonal spatial representation for a notation on the Forest Atlas which records the area of interest of other government agencies and individuals.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	OIC_YEAR Year that the Order In Council decision was made.	NULL	VARCHAR2(4)
3	OIC_NUMBER An identifier associated with the Order in Council decision.	NULL	VARCHAR2(14)
4	TS_NUMBER Year that the Order In Council decision was made.	NULL	VARCHAR2(2)
5	OLD_FILE A reference to a previous file number for this Map Notation.	NULL	VARCHAR2(30)
6	TRAIL_NUMBER Trail number when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(3)
7	TRAIL_NAME Trail name when Map Notation is Heritage Trails - non OIC	NULL	VARCHAR2(80)
8	DESCRIPTION Free-form field - typically used for a location reference, e.g. Bear Creek area	NULL	VARCHAR2(30)
9	RETIREMENT_DATE The date the map notation feature was retired.	NULL	DATE
10	AMENDMENT_ID The amendment id for the instance	NULL	NUMBER(5)
11	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NULL	VARCHAR2(10)
12	GEOMETRY The geometry of the spatial feature.	NULL	
13	FEATURE_AREA Spatial feature area in square metres. This value is calculated	NULL	NUMBER(15,4)
14	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated	NULL	NUMBER(12,4)
15	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
17	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
18	ADMIN_DISTRICT_CODE The code of the district in which the Map Notation is located.	NULL	VARCHAR2(6)
19	ADMIN_DISTRICT_NAME Unique identifier for the miniThe name of the district in which the Map Notation is located.stry organization unit.	NULL	VARCHAR2(100)
20	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
21	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_RANGE_POLY**Description:**

The spatial representation for a range tenure, which is an area of Crown range over which a Range Act tenure applies. A tenure holder may apply for a nonuse harvestable forage deduction against a tenure's total authorized harvestable forage on a yearly basis for reasons defined in the Range Regulations Act.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 20	MAP_BLOCK_ID Map block id. Must be unique with relation to the forest file	NOT NULL	VARCHAR2(10)
30	CLIENT_NUMBER Sequentially assigned number to identify a ministry client. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(8)
40	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(2)
50	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(91)
60	HAY_CUTTING_AREA_NO The range hay cutting area number.	NULL	VARCHAR2(4)
70	AUTHORIZED_HARVEST_TONNES The range authorized harvest tonnage	NULL	NUMBER(5)
80	RETIREMENT_DATE The date and time the range feature was retired.	NULL	DATE
90	AMENDMENT_ID The amendment id for the instance.	NULL	NUMBER(5)
100	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and MAP_BLOCK_ID.	NULL	VARCHAR2(21)
110	CALENDAR_YEAR The calendar year beginning January 1 and ending December 31.	NULL	NUMBER(5)
120	TOTAL_AUTHORIZED_GRAZBL_FORAGE The number of Animal Unit Months the Tenure Holder is authorized to use annually for the life of the tenure.	NULL	NUMBER(10)
130	TOTAL_PRIVATE_LAND_GRAZ_FORAGE Where unfenced private land runs adjacent to Crown land, a deduction in animal unit months is determined by considering the forage production capability of the private land.	NULL	NUMBER(10)
140	NON_USE_FORAGE_TONNES The number of animal unit months that have been scheduled for nonuse as authorized by the district manager.	NULL	NUMBER(5)
150	NET_AUTHORIZED The net authorized tonnage that may be harvested for the tenure.	NULL	NUMBER
160	MAX_NO_OF_CATTLE The number of cows, bulls, yearlings, or cow/calf pairs that will graze on Crown land during the year for a specific tenure.	NULL	NUMBER(5)
170	MAX_NO_OF_SHEEP The number of sheep that will graze on Crown land during the year for a specific tenure.	NULL	NUMBER(5)
180	MAX_NO_OF_HORSES The number of horses that will graze on Crown land during the year for a specific tenure.	NULL	NUMBER(5)
190	MAX_NO_OF_OTHER_LIVESTOCK The number of other livestock that will graze on Crown land during the year for a specific tenure.	NULL	NUMBER(5)
200	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
210	FEATURE_AREA Spatial feature area in square metres. This value is calculated	NULL	NUMBER(15,4)
220	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
230	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
240	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
250	FILE_TYPE_CODE The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
260	ADMIN_DISTRICT_CODE The code of the administrative district associated with this range tenure.	NOT NULL	VARCHAR2(6)
270	ADMIN_DISTRICT_NAME The name of the administrative district associated with this range tenure.	NOT NULL	VARCHAR2(100)
* 280	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
290	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
300	CHANGE_TIMESTAMP1 The date and time the value in table RANGE_TENURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
310	CHANGE_TIMESTAMP2 The date and time the value in table RANGE_TENURE_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
320	CHANGE_TIMESTAMP3 The date and time the value in table TENURE_APPLICATION_MAP_FEATURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
330	CHANGE_TIMESTAMP4 The date and time the value in table PROV_FOREST_USE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
340	CHANGE_TIMESTAMP5 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_FRP_OBJECTID_UK
OBJECTID

Indexes:

FTEN_FRP_CLIENT_I
CLIENT_NUMBER
CLIENT_LOCATION_CODE

Notes:

TPM 2008-07-03 Updated view definition.

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT rt.forest_file_id,
       coalesce(rtg.map_block_id,rtag.map_block_id) map_block_id,
```

Table: FTEN_RANGE_POLY (cont'd)**Notes:**

```

ffc.client_number,
ffc.client_locn_code client_location_code,
CASE
  WHEN FC.CLIENT_TYPE_CODE = 'I' THEN
    FC.LEGAL_FIRST_NAME || ' ' || FC.CLIENT_NAME
  ELSE
    FC.CLIENT_NAME
END client_name,
rt.hay_cutting_area_no,
rt.authorized_harvest_tonnes,
rt.retirement_date,
to_number(rtag.amendment_id) amendment_id,
rt.forest_file_id || ' ' || rtag.map_block_id map_label,
rp.calendar_year,
rp.total_authorized_grazbl_forage,
rp.total_private_land_graz_forage,
rp.nonuse_forage_tonnes non_use_forage_tonnes,
case
  when pfu.file_type_code in ('H01','H02','H03') then
    rt.authorized_harvest_tonnes
  else
    nvl(rp.nonuse_forage_tonnes,0) + nvl(rp.total_authorized_grazbl_forage,0) -
nvl(rp.total_private_land_graz_forage,0)
end net_authorized,
rp.max_no_of_cattle,
rp.max_no_of_sheep,
rp.max_no_of_horses,
rp.max_no_of_other_livestock,
coalesce(rtg.geometry,rtag.geometry) geometry,
coalesce(rtg.feature_area,rtag.feature_area)*10000 feature_area,
coalesce(rtg.feature_perimeter,rtag.feature_perimeter)*1000 feature_perimeter,
tamf.feature_class_skey,
pfu.file_status_st file_status_code,
pfu.file_type_code,
ou.org_unit_code admin_district_code,

ou.org_unit_name admin_district_name,
CAST(CASE
  WHEN ta.tenure_application_state_code = 'INB' THEN
    'PENDING'
  WHEN rt.retirement_date IS NOT NULL THEN
    'RETIRED'
  ELSE
    'ACTIVE'
END AS VARCHAR2(10)) life_cycle_status_code,
rtag.map_feature_id objectid,
rt.update_timestamp change_timestamp1,
coalesce(rtg.update_timestamp,rtag.update_timestamp) change_timestamp2,
rp.update_timestamp change_timestamp3,
ou.update_timestamp change_timestamp4,
ta.update_timestamp change_timestamp5
FROM range_tenure rt
JOIN range_tenure_amend_geom rtag ON rt.forest_file_id = rtag.forest_file_id
LEFT JOIN range_tenure_geom rtg ON rtag.map_feature_id = rtg.map_feature_id
LEFT JOIN range_provision rp ON rt.forest_file_id = rp.forest_file_id AND
  rp.calendar_year = to_number(to_char(SYSDATE, 'YYYY'))
JOIN forest_file_client ffc ON ffc.forest_file_id = rt.forest_file_id AND
  ffc.forest_file_client_type_code = 'A'

```

Table: FTEN_RANGE_POLY (cont'd)*Notes:*

```
JOIN forest_client fc ON fc.client_number = ffc.client_number
JOIN tenure_application_map_feature tamf ON rtg.map_feature_id = tamf.map_feature_id
JOIN tenure_application ta ON tamf.tenure_app_id = ta.tenure_app_id
JOIN prov_forest_use pfu ON rt.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON rt.admin_forest_district_no = ou.org_unit_no
WHERE ta.tenure_application_state_code IN ('INB') OR
      (ta.tenure_application_state_code IN ('APP', 'RET') AND rtg.forest_file_id IS NOT NULL) AND
      pfu.file_status_st not in ('EE','CA')
```

Table: FTEN_RANGE_POLYGONS*Description:*

The spatial representation for a range tenure, which is an area of Crown range over which a Range Act tenure applies. A tenure holder may apply for a nonuse harvestable forage deduction against a tenure's total authorized harvestable forag

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
* 2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
3	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
4	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	MAP_BLOCK_ID	NOT NULL	VARCHAR2(10)
7	FILE_TYPE_CD The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
8	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
9	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
10	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
11	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
12	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
13	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NULL	NUMBER(5)
14	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
15	CREATION_DATE	NULL	DATE
16	GML_MID	NULL	NUMBER
17	LAST_UPDATED_DATE	NULL	DATE
18	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
19	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
20	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
21	CODESPACE	NULL	VARCHAR2(255)
22	FEATURE_CODE A unique feature code	NULL	VARCHAR2(255)
23	GML_FID	NULL	NUMBER
24	GML_ID	NULL	VARCHAR2(255)
25	SOURCE_DATA_SET	NULL	VARCHAR2(255)
26	GML_DESCRIPTION	NULL	VARCHAR2(2000)
27	SOURCE_TILE	NULL	VARCHAR2(255)
28	GML_NAME	NULL	VARCHAR2(255)
29	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER
30	CHANGE_TIMESTAMP1	NOT NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The date and time the value in table 'range_tenure' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
31	CHANGE_TIMESTAMP2	NULL	DATE
	The date and time the value in table 'range_tenure_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
32	CHANGE_TIMESTAMP3	NOT NULL	DATE
	The date and time the value in table 'tenure_application' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
33	CHANGE_TIMESTAMP4	NOT NULL	DATE
	The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
34	CHANGE_TIMESTAMP5	NOT NULL	DATE
	The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
35	CHANGE_TIMESTAMP6	NULL	DATE
	The date and time the value in table 'range_tenure_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		

Foreign Keys:

FRGP_ASC_FK
 APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE

FRGP_CMC_FK
 CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE

FRGP_DSC_FK
 DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

FRGP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY = CORP_FEATURE_CLASSES.FEATURE_CLASS_SKEY

FRGP_FTEN_RT
 FOREST_FILE_ID = FTEN_RANGE_TENURE.FOREST_FILE_ID

FRGP_TAMF_FK
 MAP_FEATURE_ID = FTEN_TENURE_APPLICA_MAP_FEATUR.MAP_FEATURE_ID

Indexes:

FRGP_ASC_FK
 APPLICATION_STATUS_CODE

FRGP_CMC_FK
 CAPTURE_METHOD_CODE

FRGP_DSC_FK
 DATA_SOURCE_CODE

FRGP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY

FRGP_TAMF_FK
 MAP_FEATURE_ID

Table: FTEN_RANGE_POLYGONS_SVW*Description:*

The spatial representation for a range tenure, which is an area of Crown range over which a Range Act tenure applies. A tenure holder may apply for a nonuse harvestable forage deduction against a tenure's total authorized harvestable forage

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
3	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
4	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	MAP_BLOCK_ID Identifier for a Timber Licence Block	NOT NULL	VARCHAR2(10)
7	FILE_TYPE_CODE The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
8	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
9	UPDATE_USERID The unique id of the user who last modified this entry.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
11	GEOMETRY An area-based spatial feature representing the tenure boundary.	NOT NULL	
12	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
13	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
14	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
15	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
16	FILE_CLIENT_TYPE Indicates the type of relationship the client has to the file.	NOT NULL	VARCHAR2(1)
17	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
18	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal surname if an Individual.	NOT NULL	VARCHAR2(60)
19	CLIENT_STATUS_CODE A code to indicate the current legal, corporate, or financial status of a client. For example, 'ACTIVE', 'BANKRUPT', 'IN RECEIVERSHIP', 'DECEASED', etc.	NOT NULL	VARCHAR2(3)
20	CLIENT_TYPE_CODE This code represents the nature of the legal entity that is a Client of the Ministry, for example, a Corporation, Individual, Joint Venture between Clients, Partnership, etc.	NOT NULL	VARCHAR2(1)

Table: FTEN_RANGE_POLY_SVW**Description:**

The spatial representation for a range tenure, which is an area of Crown range over which a Range Act tenure applies. A tenure holder may apply for a nonuse harvestable forage deduction against a tenure's total authorized harvestable forage

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	MAP_BLOCK_ID Map block id. Must be unique with relation to the forest file.	NULL	VARCHAR2(10)
3	CLIENT_NUMBER Sequentially assigned number to identify a ministry client. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(8)
4	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(2)
5	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(91)
6	HAY_CUTTING_AREA_NO The range hay cutting area number.	NULL	VARCHAR2(4)
7	AUTHORIZED_HARVEST_TONNES The range authorized harvest tonnage.	NULL	NUMBER(5)
8	RETIREMENT_DATE The date and time the range feature was retired.	NULL	DATE
9	AMENDMENT_ID The amendment id for the instance.	NULL	NUMBER(5)
10	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and MAP_BLOCK_ID.	NULL	VARCHAR2(21)
11	CALENDAR_YEAR The calendar year beginning January 1 and ending December 31.	NULL	NUMBER(5)
12	TOTAL_AUTHORIZED_GRAZBL_FORAGE The number of Animal Unit Months the Tenure Holder is authorized to use annually for the life of the tenure.	NULL	NUMBER(10)
13	TOTAL_PRIVATE_LAND_GRAZ_FORAGE Where unfenced private land runs adjacent to Crown land, a deduction in animal unit months is determined by considering the forage production capability of the private land.	NULL	NUMBER(10)
14	NON_USE_FORAGE_TONNES The number of animal unit months that have been scheduled for nonuse as authorized by the district manager.	NULL	NUMBER(5)
15	NET_AUTHORIZED The net authorized tonnage that may be harvested for the tenure.	NULL	NUMBER
16	MAX_NO_OF_CATTLE The number of cows, bulls, yearlings, or cow/calf pairsthat will graze on Crown land during the year for a specific tenure.	NULL	NUMBER(5)
18	MAX_NO_OF_SHEEP The number of sheep that will graze on Crown land duringthe year for a specific tenure.	NULL	NUMBER(5)
19	MAX_NO_OF_HORSES The number of horses that will graze on Crown land during the year for a specific tenure.	NULL	NUMBER(5)
20	MAX_NO_OF_OTHER_LIVESTOCK The number of other livestock that will graze on Crown land during the year for a specific tenure.	NULL	NUMBER(5)
21	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
22	FEATURE_AREA Spatial feature area in square metres. This value is calculated	NULL	NUMBER(15,4)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
23	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
24	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
25	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
26	FILE_TYPE_CODE The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
27	ADMIN_DISTRICT_CODE The code of the administrative district associated with this range tenure.	NULL	VARCHAR2(6)
36	ADMIN_DISTRICT_NAME The name of the administrative district associated with this range tenure.	NULL	VARCHAR2(100)
46	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
56	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

10-01-2008 DH - Created for the FTA piece of the BVI Project.

Table: FTEN_RCRTN_MAP_FEATURE_CODE*Description:*

A lookup of all the types of recreation map features.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	RECREATION_MAP_FEATURE_CODE	NOT NULL	VARCHAR2(3)
	Identifies the type of recreation map feature. Ex: IF - Interpretative Forest; RTR - Recreation Trail; etc.		
20	DESCRIPTION	NOT NULL	VARCHAR2(120)
	Description of the code value.		
30	EFFECTIVE_DATE	NOT NULL	DATE
	Date the code becomes effective.		
40	EXPIRY_DATE	NOT NULL	DATE
	Date the code expires.		
50	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the value was last modified.		

Notes:

TPM 2008-07-04 Added table as part of BVI CR001.

Table: FTEN_REAL_PROPERTY_POLYGONS**Description:**

The spatial representation of land that is under intensive management/administration by the Ministry of Forests for various purposes consistent with the Forest Act.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	PROJECT_TYPE_CODE The real property project type code.	NOT NULL	VARCHAR2(10)
3	PROJECT_NUMBER The real property project number.	NOT NULL	VARCHAR2(30)
4	PROJECT_START_DATE The date on which the project started.	NOT NULL	DATE
5	PROJECT_END_DATE The date on which the project ends. This date must not be earlier than a specified start date. A planned end date may be entered.	NOT NULL	DATE
6	AGENCY_ID Refers to the Branch, Region, District or even BCTS that is administering the site.	NULL	VARCHAR2(10)
7	PROJECT_NAME The name by which the project is commonly known.	NULL	VARCHAR2(30)
8	RETIREMENT_DATE The date the real property project was retired.	NULL	DATE
9	AMENDMENT_ID The amendment id for the instance.	NULL	NUMBER(5)
10	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NOT NULL	VARCHAR2(45)
11	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
12	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
13	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
16	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
17	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NOT NULL	VARCHAR2(6)
18	ADMIN_DISTRICT_NAME The name of the administrative district associated with this feature.	NOT NULL	VARCHAR2(100)
* 19	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
20	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
21	CHANGE_TIMESTAMP1 The date and time the value in table REAL_PROPERTY_PROJECT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
22	CHANGE_TIMESTAMP2 The date and time the value in table REAL_PROPERTY_PROJ_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
23	CHANGE_TIMESTAMP3 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

Table: FTEN_REAL_PROPERTY_POLYGONS (cont'd)*Unique Constraints:*

FTEN_RPP_OBJECTID_UK
OBJECTID

Indexes:

FTEN_RPP_PN_I
PROJECT_NUMBER

Notes:

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT rpp.forest_file_id,
       rpp.project_type_code,
       rpp.rpp_project_number project_number,
       rpp.project_start_date,
       rpp.project_end_date,
       rpp.agency_id,
       rpp.project_name,
       rpp.retirement_date,
       to_number(rpp.amendment_id) amendment_id,
       rpp.forest_file_id map_label,
       rppg.geometry,
       rppg.feature_area*10000 feature_area,
       rppg.feature_perimeter*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN rpp.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN rpp.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       rppg.map_feature_id objectid,
       rpp.update_timestamp change_timestamp1,
       rppg.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM real_property_project rpp
JOIN real_property_proj_geom rppg ON rpp.forest_file_id = rppg.forest_file_id AND
                                   rpp.amendment_id = rppg.amendment_id
JOIN tenure_application_map_feature tamf ON rppg.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON rpp.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE rpp.current_ind = 'Y' OR
      rpp.amend_status_code = 'PND'
```

Table: FTEN_REAL_PROPERTY_POLY_SVW**Description:**

The spatial representation of land that is under intensive management/administration by the Ministry of Forests for various purposes consistent with the Forest Act.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	PROJECT_TYPE_CODE The real property project type code	NULL	VARCHAR2(10)
3	PROJECT_NUMBER The real property project number.	NULL	VARCHAR2(30)
4	PROJECT_START_DATE The date on which the project started.	NULL	DATE
5	PROJECT_END_DATE The date on which the project ends. This date must not be earlier than a specified start date. A planned end date may be entered.	NULL	DATE
6	AGENCY_ID Refers to the Branch, Region, District or even BCTS that is administering the site	NULL	VARCHAR2(10)
7	PROJECT_NAME The name by which the project is commonly known.	NULL	VARCHAR2(30)
8	RETIREMENT_DATE The date the real property project was retired.	NULL	DATE
9	AMENDMENT_ID The amendment id for the instance	NULL	NUMBER(5)
10	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NULL	VARCHAR2(10)
11	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
12	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
13	FEATURE_PERIMETER An area-based spatial feature representing the tenure boundary.	NULL	NUMBER(12,4)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NULL	VARCHAR2(6)
18	ADMIN_DISTRICT_NAME The name of the administrative district associated with this feature.	NULL	VARCHAR2(100)
19	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
20	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_REAL_PROPERTY_PRJCT_POLY*Description:*

Land that is under intensive management/administration by the Ministry of Forests for various purposes consistent with the Forest Act.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NULL	VARCHAR2(10)
4	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
7	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
8	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
9	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
10	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
11	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
13	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
15	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
16	CHANGE_TIMESTAMP1 The date and time the value in table 'real_property_project' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
17	CHANGE_TIMESTAMP2 The date and time the value in table 'real_property_proj_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)

Table: FTEN_REAL_PROP_PRJCT_POLY_SVW*Description:*

Land that is under intensive management/administration by the Ministry of Forests for various purposes consistent with the Forest Act.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NULL	VARCHAR2(10)
3	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
4	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
5	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
6	GEOMETRY An area-based spatial feature representing the tenure boundary.	NOT NULL	
7	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
8	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
9	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
10	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
11	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
12	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
13	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
14	PROJECT_TYPE_CODE Defines the type of real property project.	NOT NULL	VARCHAR2(10)
15	ADMIN_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 not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
16	REAL_PROPERTY_PROJECT_NUMBER RP project number	NOT NULL	VARCHAR2(30)
17	PROJECT_START_DATE The date on which the project started.	NOT NULL	DATE
18	PROJECT_END_DATE The date on which the project ends. This date must not be earlier than a specified start date. A planned end date may be entered.	NOT NULL	DATE
19	AGENCY_ID Refers to the Branch, Region, District or even BCTS that is administering the site	NULL	VARCHAR2(10)
20	PROJECT_NAME The name by which the project is commonly known.	NULL	VARCHAR2(30)
21	REAL_PROPERTY_PROJECT_COMMENT Comments	NULL	VARCHAR2(255)

Table: FTEN_RECREATION_FEATURE_CODE*Description:*

A lookup of all the kinds of recreation features.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	RECREATION_FEATURE_CODE	NOT NULL	VARCHAR2(3)
	Identifies the kind of recreation feature. Ex: A1 - Sport Fish; B1 - Fine Texture Beach; etc.		
20	DESCRIPTION	NULL	VARCHAR2(120)
	Description of the code value.		
30	EFFECTIVE_DATE	NOT NULL	DATE
	Date the code becomes effective.		
40	EXPIRY_DATE	NOT NULL	DATE
	Date the code expires.		
50	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the value was last modified.		

Notes:

TPM 2008-07-04 Added table as part of BVI CR001.

Table: FTEN_RECREATION_LINE*Description:*

The spatial representation of a recreation feature. This can be either a recreation reserve, recreation site, or an interpretative forest.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	SECTION_ID Identifies one section of a linear rec feature within the tenure.	NULL	VARCHAR2(10)
4	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
5	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
6	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
7	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
12	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
14	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
16	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
17	CHANGE_TIMESTAMP1 The date and time the value in table 'recreation_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP2 The date and time the value in table 'recreation_map_feature_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
20	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)

Foreign Keys:

FRL_ASC_FK

APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE

Table: FTEN_RECREATION_LINE (cont'd)*Foreign Keys:*

FRL_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FRL_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FRL_ASC_FK
APPLICATION_STATUS_CODE
FRL_CMC_FK
CAPTURE_METHOD_CODE
FRL_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_RECREATION_LINES*Description:*

The spatial representation of a recreation feature. This can be either a recreation reserve, recreation site, or an interpretative forest.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	RMF_SKEY The SKEY for the RECREATION MAP FEATURE.	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	SECTION_ID Identifies one section of a linear rec feature within the tenure.	NOT NULL	VARCHAR2(10)
4	RECREATION_MAP_FEATURE_CODE Identifies the RECREATION MAP FEATURE TYPE CODE.	NOT NULL	VARCHAR2(3)
5	PROJECT_TYPE Description of the Map Feature Project	NULL	VARCHAR2(120)
6	RETIREMENT_DATE The date and time the recreation feature line is retired	NULL	DATE
7	AMENDMENT_ID The instances Amendment ID	NOT NULL	NUMBER(10)
8	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST FILE ID and SECTION ID	NULL	VARCHAR2(21)
9	PROJECT_NAME The name of the Recreation project.	NULL	VARCHAR2(100)
10	RECREATION_FEATURE_CODE Code describing the Recreation Feature.	NULL	VARCHAR2(3)
11	RESOURCE_FEATURE_IND The resource feature for a recreation project.	NULL	VARCHAR2(1)
13	RIGHT_OF_WAY Identifies the Right of Way width for linear feature. This attribute will likely be replaced by a spatial attribute in the future.	NULL	NUMBER(7,1)
14	ARCH_IMPACT_ASSESS_IND Indicates if an archaeological impact assessment has been performed for the given project.	NULL	VARCHAR2(1)
15	DEFINED_CAMPSITES The DEFINED CAMPSITES field is a count of the total number of campsites defined	NULL	NUMBER
* 16	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(7)
17	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
18	DISTRICT_CODE The code of the district associated with this feature.	NOT NULL	VARCHAR2(6)
19	DISTRICT_NAME The name of the district associated with this feature.	NOT NULL	VARCHAR2(100)
20	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
21	FEATURE_LENGTH Spatial perimeter length in metres. This value is calculated.	NOT NULL	NUMBER(11,4)
22	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
23	CHANGE_TIMESTAMP1 The date and time of the most recent update to this feature from the RECREATION MAP FEATURE GEOM table.	NOT NULL	DATE
24	CHANGE_TIMESTAMP2 The date and time of the most recent update to this feature from the RECREATION PROJECT table.	NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
25	GEOMETRY	NULL	
	An area-based spatial feature representing the tenure.		

Unique Constraints:

FTEN_RL_OBJECTID_UK
OBJECTID

Indexes:

FTEN_RL_FFID_FK
FOREST_FILE_ID
SECTION_ID

Notes:

15-01-2008. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT rmf.forest_file_id,
       rmf.section_id,
       rmf.recreation_map_feature_code,
       rmfc.description project_type,
       rmf.retirement_date,
       rmf.amendment_id,
       rmf.forest_file_id || ' ' || rmf.section_id map_label,
       rp.project_name,
       rp.recreation_feature_code,
       rp.resource_feature_ind,
       rp.last_hzrd_tree_assess_date,
       rp.overflow_campsites,
       rp.right_of_way,
       rp.arch_impact_assess_ind,
       (SELECT COUNT(*)
        FROM recreation_defined_campsite rdc
        WHERE rmf.forest_file_id = rdc.forest_file_id) defined_campsites,
       CASE
         WHEN rmf.amend_status_code = 'PND' THEN
           'PENDING'
         WHEN rmf.retirement_date IS NOT NULL THEN
           'RETIRED'
         ELSE
           'ACTIVE'
       END life_cycle_status_code,
       pfu.file_status_st file_status_code,
       ou.org_unit_code district_code,
       ou.org_unit_name district_name,
       tamf.feature_class_skey,
       rmfg.feature_length,
       tamf.map_feature_id objectid,
       rmfg.update_timestamp change_timestamp1,
       rp.update_timestamp change_timestamp2,
       geometry
FROM recreation_map_feature rmf
JOIN recreation_map_feature_geom rmfg ON rmf.rmf_skey = rmfg.rmf_skey
JOIN recreation_map_feature_code rmfc ON rmf.recreation_map_feature_code =
       rmfc.recreation_map_feature_code
```

Table: FTEN_RECREATION_LINES (cont'd)*Notes:*

```
JOIN prov_forest_use pfu ON rmf.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
JOIN te
nure_application_map_feature tamf ON rmfg.map_feature_id = tamf.map_feature_id
LEFT JOIN recreation_project rp ON rmf.forest_file_id = rp.forest_file_id
WHERE ((rmf.current_ind = 'Y' AND rmf.amend_status_code = 'APP') OR rmf.amend_status_code = 'PND') AND
      rmfg.geometry_type_code = 'L'
```

Table: FTEN_RECREATION_POLY**Description:**

The spatial representation of a recreation feature. This can be either a recreation reserve, recreation site, or an interpretative forest.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 2	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
3	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
4	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
5	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
6	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
7	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
12	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
14	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
16	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
17	CHANGE_TIMESTAMP1 The date and time the value in table 'recreation_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP2 The date and time the value in table 'recreation_map_feature_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
20	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER(38)

Foreign Keys:

FRP_ASC_FK

APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE

FRP_CMC_FK

CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE

Table: FTEN_RECREATION_POLY (cont'd)*Foreign Keys:*

FRP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FRP_ASC_FK
APPLICATION_STATUS_CODE
FRP_CMC_FK
CAPTURE_METHOD_CODE
FRP_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_RECREATION_POLYGONS**Description:**

The spatial representation of a recreation feature. This can be either a recreation reserve, recreation site, or an interpretative forest.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 4	RMF_SKEY The SKEY for the RECREATION MAP FEATURE.	NOT NULL	NUMBER(10)
5	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
6	SECTION_ID Identifies one section of a linear rec feature within the tenure.	NULL	VARCHAR2(10)
7	RECREATION_MAP_FEATURE_CODE Identifies the RECREATION MAP FEATURE TYPE CODE.	NOT NULL	VARCHAR2(3)
8	PROJECT_TYPE Description of the Map Feature Project	NULL	VARCHAR2(120)
9	RETIREMENT_DATE The date and time the recreation feature line is retired	NULL	DATE
10	AMENDMENT_ID The instances Amendment ID	NOT NULL	NUMBER(10)
11	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST FILE ID and SECTION ID	NULL	VARCHAR2(21)
12	PROJECT_NAME The name of the Recreation project.	NULL	VARCHAR2(100)
13	RECREATION_FEATURE_CODE Code describing the Recreation Feature.	NULL	VARCHAR2(3)
14	RESOURCE_FEATURE_IND The resource feature for a recreation project.	NULL	VARCHAR2(1)
15	ARCH_IMPACT_ASSESS_IND Indicates if an archaeological impact assessment has been performed for the given project. <i>Indicates if an archaeological impact assessment has been performed for the given project.</i>	NULL	VARCHAR2(1)
16	DEFINED_CAMPSITES The DEFINED CAMPSITES field is a count of the total number of campsites defined	NULL	NUMBER
* 17	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(7)
18	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
19	GEOGRAPHIC_DISTRICT_CODE The code of the geographic district associated with this feature.	NOT NULL	VARCHAR2(6)
20	GEOGRAPHIC_DISTRICT_NAME The name of the geographic district associated with this feature.	NOT NULL	VARCHAR2(100)
21	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
22	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NOT NULL	NUMBER(11,4)
23	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NOT NULL	NUMBER(11,4)
24	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
25	CHANGE_TIMESTAMP1 The date and time of the most recent update to this feature from the RECREATION MAP FEATURE GEOM table.	NOT NULL	DATE
26	CHANGE_TIMESTAMP2 The date and time of the most recent update to this feature from the RECREATION PROJECT table.	NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
27	GEOMETRY	NULL	
	An area-based spatial feature representing the tenure.		

Unique Constraints:

FTEN_RP_OBJECTID_UK
OBJECTID

Indexes:

FTEN_RP_FFID_FK
FOREST_FILE_ID
SECTION_ID

Notes:

15-01-2008. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT rmf.rmf_skey,
       rmf.forest_file_id,
       rmf.section_id,
       rmf.recreation_map_feature_code,
       rmfc.description project_type,
       rmf.retirement_date,
       rmf.amendment_id,
       rmf.forest_file_id || ' ' || rmf.section_id map_label,
       rp.project_name,
       rp.recreation_feature_code,
       rp.resource_feature_ind,
       rp.arch_impact_assess_ind,
       (SELECT COUNT(*)
        FROM recreation_defined_campsite rdc
        WHERE rmf.forest_file_id = rdc.forest_file_id) defined_campsites,
       CASE
         WHEN rmf.amend_status_code = 'PND' THEN
           'PENDING'
         WHEN rmf.retirement_date IS NOT NULL THEN
           'RETIRED'
         ELSE
           'ACTIVE'
       END life_cycle_status_code,
       pfu.file_status_st file_status_code,
       ou.org_unit_code geographic_district_code,
       ou.org_unit_name geographic_district_name,
       tamf.feature_class_skey,
       rmfg.feature_area,
       rmfg.feature_perimeter,
       tamf.map_feature_id objectid,
       rmfg.update_timestamp change_timestamp1,
       rp.update_timestamp change_timestamp2,
       geometry
FROM recreation_map_feature rmf
JOIN recreation_map_feature_geom rmfg ON rmf.rmf_skey = rmfg.rmf_skey
JOIN recreation_map_feature_code rmfc ON rmf.recreation_map_feature_code =
      rmfc.recreation_map_feature_code
JOIN prov_forest_use pfu ON rmf.forest_file_id = pfu.forest_file_id
```

Table: FTEN_RECREATION_POLYGONS (cont'd)*Notes:*

```
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
JOIN tenure_application_map_
feature tamf ON rmfg.map_feature_id = tamf.map_feature_id
LEFT JOIN recreation_project rp ON rmf.forest_file_id = rp.forest_file_id
WHERE ((rmf.current_ind = 'Y' AND rmf.amend_status_code = 'APP') OR rmf.amend_status_code = 'PND') AND
      rmfg.geometry_type_code = 'P'
```

Table: FTEN_REC_SITE_ACCESS*Description:*

Information relating to modes of physical access to a recreation project. E.g. 4X4, plane, boat.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	RECREATION_ACCESS_CODE Code defining mode of access.	NOT NULL	VARCHAR2(3)
* 3	RECREATION_SUB_ACCESS_CODE Code further defining the mode of access.	NOT NULL	VARCHAR2(3)
4	RECREATION_ACCESS_DESC Description of the mode of access.	NOT NULL	VARCHAR2(120)
5	RECREATION_SUB_ACCESS_DESC Description of the further definition of the mode of access.	NOT NULL	VARCHAR2(120)
6	CHANGE_TIMESTAMP1 Column used to detect changes in the recreation access operational table.	NOT NULL	DATE

Unique Constraints:

FTEN_REC_ST_ACC_UK

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

```

SELECT rp.forest_file_id,
       ac.recreation_access_code,
       sac.recreation_sub_access_code,
       ac.description recreation_access_desc,
       sac.description recreation_sub_access_desc,
       a.update_timestamp change_timestamp1
FROM recreation_project rp
JOIN recreation_access a on rp.forest_file_id = a.forest_file_id
JOIN recreation_access_code ac on a.recreation_access_code = ac.recreation_access_code
JOIN recreation_sub_access_code sac on a.recreation_sub_access_code = sac.recreation_sub_access_code
WHERE rp.recreation_view_ind = 'Y'

```

Table: FTEN_REC_SITE_ACCESS_VW*Description:*

Information relating to modes of physical access to a recreation project. E.g. 4X4, plane, boat.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	RECREATION_ACCESS_CODE Code defining mode of access.	NOT NULL	VARCHAR2(3)
3	RECREATION_SUB_ACCESS_CODE Code further defining the mode of access.	NOT NULL	VARCHAR2(3)
4	RECREATION_ACCESS_DESC Description of the mode of access.	NOT NULL	VARCHAR2(120)
5	RECREATION_SUB_ACCESS_DESC Description of the further definition of the mode of access.	NOT NULL	VARCHAR2(120)

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project.

Table: FTEN_REC_SITE_ACTIVITIES*Description:*

The types of available activities for a recreation project. E.g. boating, picnicking, hiking.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	RECREATION_ACTIVITY_CODE Code defining the recreation activity.	NOT NULL	VARCHAR2(3)
3	RECREATION_ACTIVITY_DESC Description of the activity.	NOT NULL	VARCHAR2(120)
4	ACTIVITY_RANK The order of importance of this activity for the project where 1 is the most important.	NULL	NUMBER(1)
5	CHANGE_TIMESTAMP1 Column used to detect changes in the recreation access operational table.	NOT NULL	DATE

Unique Constraints:

FTEN_REC_ST_ACT_UK

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

```
SELECT rp.forest_file_id,
       ac.recreation_activity_code,
       ac.description recreation_activity_desc,
       a.activity_rank,
       a.update_timestamp change_timestamp1
FROM recreation_project rp
JOIN recreation_activity a on rp.forest_file_id = a.forest_file_id
JOIN recreation_activity_code ac on a.recreation_activity_code = ac.recreation_activity_code
WHERE rp.recreation_view_ind = 'Y'
```

Table: FTEN_REC_SITE_ACTIVITIES_VW*Description:*

The types of available activities for a recreation project. E.g. boating, picnicking, hiking.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	RECREATION_ACTIVITY_CODE Code defining the recreation activity.	NOT NULL	VARCHAR2(3)
3	RECREATION_ACTIVITY_DESC Description of the activity.	NOT NULL	VARCHAR2(120)
14	ACTIVITY_RANK The order of importance of this activity for the project where 1 is the most important.	NULL	NUMBER(1)

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project.

Table: FTEN_REC_SITE_FEES*Description:*

The types of fees for a given project. E.g. overnight, firewood

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FEE_ID The unique identifier for a Recreation fee.	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	RECREATION_FEE_CODE Code describing the type of fee.	NOT NULL	VARCHAR2(3)
4	RECREATION_FEE_CODE_DESC Description of the type of fee.	NOT NULL	VARCHAR2(120)
5	FEE_AMOUNT Amount of the fee.	NOT NULL	NUMBER(5,2)
6	FEE_START_DATE Identifies the start date of the fee.	NOT NULL	DATE
7	FEE_END_DATE Identifies the end date of the fee.	NOT NULL	DATE
8	MONDAY_IND Identifies if fees are applicable for the day of Monday in the given date range.	NOT NULL	VARCHAR2(1)
9	TUESDAY_IND Identifies if fees are applicable for the day of Tuesday in the given date range.	NOT NULL	VARCHAR2(1)
10	WEDNESDAY_IND Identifies if fees are applicable for the day of Wednesday in the given date range.	NOT NULL	VARCHAR2(1)
11	THURSDAY_IND Identifies if fees are applicable for the day of Thursday in the given date range.	NOT NULL	VARCHAR2(1)
12	FRIDAY_IND Identifies if fees are applicable for the day of Friday in the given date range.	NOT NULL	VARCHAR2(1)
13	SATURDAY_IND Identifies if fees are applicable for the day of Saturday in the given date range.	NOT NULL	VARCHAR2(1)
14	SUNDAY_IND Identifies if fees are applicable for the day of Sunday in the given date range.	NOT NULL	VARCHAR2(1)
15	CHANGE_TIMESTAMP1 Column used to detect changes in the recreation access operational table.	NOT NULL	DATE

Unique Constraints:

FTEN_REC_ST_FEE_UK

Indexes:

FTEN_REC_ST_FEE_FFID_IDX
FOREST_FILE_ID

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

```
SELECT f.fee_id,
       rp.forest_file_id,
       fc.recreation_fee_code,
       fc.description recreation_fee_code_desc,
       f.fee_amount,
       f.fee_start_date,
       f.fee_end_date,
       f.monday_ind,
       f.tuesday_ind,
       f.wednesday_ind,
```

Table: FTEN_REC_SITE_FEES (cont'd)*Notes:*

```
f.thursday_ind,  
f.friday_ind,  
f.saturday_ind,  
f.sunday_ind,  
f.update_timestamp change_timestamp1  
FROM recreation_project rp  
JOIN recreation_fee f on rp.forest_file_id = f.forest_file_id  
JOIN recreation_fee_code fc on f.recreation_fee_code = fc.recreation_fee_code  
WHERE rp.recreation_view_ind = 'Y'
```

Table: FTEN_REC_SITE_FEES_VW*Description:*

The types of fees for a given project. E.g. overnight, firewood

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FEE_ID The unique identifier for a Recreation fee.	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	RECREATION_FEE_CODE Code describing the type of fee.	NOT NULL	VARCHAR2(3)
4	RECREATION_FEE_CODE_DESC Description of the type of fee.	NOT NULL	VARCHAR2(120)
5	FEE_AMOUNT Amount of the fee.	NOT NULL	NUMBER(5,2)
6	FEE_START_DATE Identifies the start date of the fee.	NOT NULL	DATE
7	FEE_END_DATE Identifies the end date of the fee.	NOT NULL	DATE
8	MONDAY_IND Identifies if fees are applicable for the day of Monday in the given date range.	NOT NULL	VARCHAR2(1)
9	TUESDAY_IND Identifies if fees are applicable for the day of Tuesday in the given date range.	NOT NULL	VARCHAR2(1)
10	WEDNESDAY_IND Identifies if fees are applicable for the day of Wednesday in the given date range.	NOT NULL	VARCHAR2(1)
11	THURSDAY_IND Identifies if fees are applicable for the day of Thursday in the given date range.	NOT NULL	VARCHAR2(1)
12	FRIDAY_IND Identifies if fees are applicable for the day of Friday in the given date range.	NOT NULL	VARCHAR2(1)
13	SATURDAY_IND Identifies if fees are applicable for the day of Saturday in the given date range.	NOT NULL	VARCHAR2(1)
14	SUNDAY_IND Identifies if fees are applicable for the day of Sunday in the given date range.	NOT NULL	VARCHAR2(1)

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project.

Table: FTEN_REC_SITE_POINTS*Description:*

A warehouse view of recreation sites as maintained by FTA. This view has been denormalized to include modes of physical access, structures (improvements) at the site, and activities provided by the site.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 6	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
7	FEATURE_CODE An alphanumeric code used to identify a feature component. All CCSM feature codes are generated according to the Canadian Council on Survey and Mapping (CCSM) Draft Standard on feature code classification.	NOT NULL	VARCHAR2(10)
8	SITE_LOCATION A text description generally describing the location of a recreation site. e.g. North side of Bentick Arm between Mohan and Campbell Lake.	NULL	VARCHAR2(500)
9	PROJECT_NAME The name of the Recreation project.	NOT NULL	VARCHAR2(100)
10	OPERATOR_LEGAL_FIRST_NAME Operator's legal first name.	NULL	VARCHAR2(30)
11	OPERATOR_CLIENT_NAME The name of the site operator - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal surname if an Individual.	NULL	VARCHAR2(60)
12	OPERATOR_BUSINESS_PHONE Site operator's business telephone number and area code.	NULL	VARCHAR2(10)
13	OPERATOR_HOME_PHONE Site operator's home telephone number and area code.	NULL	VARCHAR2(10)
14	NUM_CAMP_SITES The number of defined campsites within the project.	NOT NULL	INTEGER
15	RECREATION_MAINTAIN_STD_CODE Code describing the Maintenance Standard of a given site. E.g. User Maintained, Maintained to Standard, Not Maintained.	NULL	VARCHAR2(1)
16	MAINTAIN_STD_DESC Description of the recreation_maintain_std_code.	NULL	VARCHAR2(120)
17	DRIVING_DIRECTIONS Driving directions to the site.	NULL	VARCHAR2(2000)
18	CLOSURE_DESCRIPTION If the site is close, a description regarding the closure.	NULL	VARCHAR2(2000)
19	PROJECT_DESCRIPTION Description of the site.	NULL	VARCHAR2(2000)
20	ACTIVITY1 Code value for the highest ranked activity available at the site.	NULL	VARCHAR2(3)
21	ACTIVITY_DESC1 Description of highest ranked activity.	NULL	VARCHAR2(120)
22	ACTIVITY2 Code value for the second highest ranked activity available at the site.	NULL	VARCHAR2(3)
23	ACTIVITY_DESC2 Description of the second highest ranked activity.	NULL	VARCHAR2(120)
24	ACTIVITY3 Code value for the third highest ranked activity available at the site.	NULL	VARCHAR2(3)
25	ACTIVITY_DESC3 Description of the third highest ranked activity.	NULL	VARCHAR2(120)
26	MORE_ACTIVITY_IND Indicator indicating if there are more than 3 activities available at the site.	NOT NULL	VARCHAR2(1)
27	ACCESS1 Code describing the highest ranked mode of access to the recreation site.	NULL	VARCHAR2(3)
28	ACCESS_DESC1 Description of the highest ranked mode of access to the recreation site.	NULL	VARCHAR2(120)
29	SUB_ACCESS1	NULL	VARCHAR2(3)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	A code further defining the highest ranked mode of access to the site.		
34	SUB_ACCESS_DESC1	NULL	VARCHAR2(120)
	Description of the further definition of the highest ranked mode of access to the recreation site.		
35	ACCESS2	NULL	VARCHAR2(3)
	Code describing the second highest ranked mode of access to the recreation site.		
36	ACCESS_DESC2	NULL	VARCHAR2(120)
	Description of the second highest ranked mode of access to the recreation site.		
37	SUB_ACCESS2	NULL	VARCHAR2(3)
	A code further defining the second highest ranked mode of access to the site.		
38	SUB_ACCESS_DESC2	NULL	VARCHAR2(120)
	Description of the further definition of the second highest ranked mode of access to the recreation site.		
39	ACCESS3	NULL	VARCHAR2(3)
	Code describing the third highest ranked mode of access to the recreation site.		
40	ACCESS_DESC3	NULL	VARCHAR2(120)
	Description of the third highest ranked mode of access to the recreation site.		
41	SUB_ACCESS3	NULL	VARCHAR2(3)
	A code further defining the third highest ranked mode of access to the site.		
42	SUB_ACCESS_DESC3	NULL	VARCHAR2(120)
	Description of the further definition of the third highest ranked mode of access to the recreation site.		
43	MORE_ACCESS_IND	NOT NULL	VARCHAR2(1)
	Indicator indicating if there are more than 3 modes of access to the site.		
44	STRUCTURE1	NULL	VARCHAR2(3)
	Code defining the highest ranked improvement to the site.		
45	STRUCTURE_DESC1	NULL	VARCHAR2(120)
	Description of the highest ranked improvement.		
46	STRUCTURE2	NULL	VARCHAR2(3)
	Code defining the second highest ranked improvement to the site.		
47	STRUCTURE_DESC2	NULL	VARCHAR2(120)
	Description of the second highest ranked improvement.		
48	STRUCTURE3	NULL	VARCHAR2(3)
	Code defining the third highest ranked improvement to the site.		
49	STRUCTURE_DESC3	NULL	VARCHAR2(120)
	Description of the third highest ranked improvement.		
50	STRUCTURE4	NULL	VARCHAR2(3)
	Code defining the fourth highest ranked improvement to the site.		
51	STRUCTURE_DESC4	NULL	VARCHAR2(120)
	Description of the fourth highest ranked improvement.		
	<i>Description of the fourth highest ranked improvement.</i>		
52	STRUCTURE5	NULL	VARCHAR2(3)
	Code defining the fifth highest ranked improvement to the site.		
53	STRUCTURE_DESC5	NULL	VARCHAR2(120)
	Description of the fifth highest ranked improvement.		
54	STRUCTURE6	NULL	VARCHAR2(3)
	Code defining the sixth highest ranked improvement to the site.		
55	STRUCTURE_DESC6	NULL	VARCHAR2(120)
	Description of the sixth highest ranked improvement.		
56	STRUCTURE7	NULL	VARCHAR2(3)
	Code defining the seventh highest ranked improvement to the site.		
57	STRUCTURE_DESC7	NULL	VARCHAR2(120)
	Description of the seventh highest ranked improvement.		
58	STRUCTURE8	NULL	VARCHAR2(3)
	Code defining the eighth highest ranked improvement to the site.		
59	STRUCTURE_DESC8	NULL	VARCHAR2(120)
	Description of the eighth highest ranked improvement.		
60	STRUCTURE9	NULL	VARCHAR2(3)
	Code defining the ninth highest ranked improvement to the site.		
61	STRUCTURE_DESC9	NULL	VARCHAR2(120)
	Description of the ninth highest ranked improvement.		

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
62	STRUCTURE10 Code defining the tenth highest ranked improvement to the site.	NULL	VARCHAR2(3)
63	STRUCTURE_DESC10 Description of the tenth highest ranked improvement.	NULL	VARCHAR2(120)
64	MORE_STRUCTURE_IND Indicator indicating there are more improvements to the site.	NOT NULL	VARCHAR2(1)
65	PROJECT_ESTABLISHED_DATE Date on which the project was legally established.	NULL	DATE
66	RECREATION_DISTRICT_CODE Administrative recreation district code for the Recreation site.	NULL	VARCHAR2(4)
67	REC_DISTRICT_CODE_DESC Administrative recreation district description for the Recreation site.	NULL	VARCHAR2(120)
68	GEOMETRY An oracle spatial point defining the location of the site.	NOT NULL	
80	CHANGE_TIMESTAMP1 Column to detect changes (updates, inserts) in the recreation project operational table.	NOT NULL	DATE
90	CHANGE_TIMESTAMP2 Column to detect changes (updates, inserts) in the recreation site point operational table.	NULL	DATE
100	CHANGE_TIMESTAMP3 Column to detect changes (updates, inserts) in the recreation prtoject client information.	NULL	DATE
110	CHANGE_TIMESTAMP4 Column to detect changes (updates, inserts) in the recreation comments operational table with respect to the project description comment type.	NULL	DATE
120	CHANGE_TIMESTAMP5 Column to detect changes (updates, inserts) in the recreation comments operational table with respect to the driving directions comment type.	NULL	DATE
130	CHANGE_TIMESTAMP6 Column to detect changes (updates, inserts) in the recreation comments operational table with respect to the closure comment type.	NULL	DATE
140	CHANGE_TIMESTAMP7 Column to detect changes (updates, inserts) in the recreation activity operational table.	NULL	DATE
150	CHANGE_TIMESTAMP8 Column to detect changes (updates, inserts) in the recreation access operational table.	NULL	DATE
151	CHANGE_TIMESTAMP9 Column to detect changes (updates, inserts) in the recreation structure operational table.	NOT NULL	DATE
152	CHANGE_TIMESTAMP10 Column to detect changes (updates, inserts) in the recreation district operational table.	NOT NULL	DATE
160	CHANGE_COUNT1 Column to detect deletions in the recreation client information.	NULL	NUMBER(38)
170	CHANGE_COUNT2 Column to detect deletions in the recreation activity operational table.	NULL	NUMBER(38)
180	CHANGE_COUNT3 Column to detect deletions in the recreation accesses operational table.	NULL	NUMBER(38)
190	CHANGE_COUNT4 Column to detect deletions in the recreation structures operational table.	NULL	NUMBER(38)
200	CHANGE_COUNT5 Column to detect deletions in thenumber of campsites for a recreation project.	NULL	NUMBER(38)
210	CHANGE_COUNT6 Column to detect deletions in the number of districts for a recreation project.	NULL	NUMBER(38)
220	OBJECTID Unique identifier.	NOT NULL	INTEGER

Unique Constraints:

FTEN_REC_ST_PNT_UK
OBJECTID

Notes:

Table: FTEN_REC_SITE_POINTS (cont'd)**Notes:**

06-06-2008 DH - Created for the Recreation build/implementation Project. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

10-19-2009 DZ - Updated Source Query

```

SELECT rp.forest_file_id,
       CAST ('FI91300010' AS VARCHAR2(10)) feature_code,
       rp.site_location,
       rp.project_name,
       fc.legal_first_name operator_legal_first_name,
       fc.client_name operator_client_name,
       CAST (null AS VARCHAR2(10)) operator_business_phone,
       CAST (null AS VARCHAR2(10)) operator_home_phone,
       NVL( cs.num_camp_sites, 0 ) num_camp_sites,
       rp.recreation_maintain_std_code,
       m.description maintain_std_desc,
       dd.project_comment driving_directions,
       cc.project_comment closure_description,
       pd.project_comment project_description,
       act.activity1,
       act.activity_desc1,
       act.activity2,
       act.activity_desc2,
       act.activity3,
       act.activity_desc3,
       CASE
         WHEN act.more_activity_ind IS NULL THEN
           'N'
         ELSE
           act.more_activity_ind
       END more_activity_ind,
       accesses.access1,
       accesses.access_desc1,
       accesses.sub_access1,
       accesses.sub_access_desc1,
       accesses.access2,
       accesses.access_desc2,
       accesses.sub_access2,
       accesses.sub_access_desc2,
       accesses.access3,
       accesses.access_desc3,
       accesses.sub_access3,
       accesses.sub_access_desc3,
       CASE
         WHEN accesses.more_access_ind IS NULL THEN
           'N'
         ELSE
           accesses.more_access_ind
       END more_access_ind,
       struct.structure1,
       struct.structure_desc
1,
       struct.structure2,
       struct.structure_desc2,
       struct.structure3,
       struct.structure_desc3,
       struct.structure4,

```

Table: FTEN_REC_SITE_POINTS (cont'd)*Notes:*

```

struct.structure_desc4,
struct.structure5,
struct.structure_desc5,
struct.structure6,
struct.structure_desc6,
struct.structure7,
struct.structure_desc7,
struct.structure8,
struct.structure_desc8,
struct.structure9,
struct.structure_desc9,
struct.structure10,
struct.structure_desc10,
CASE
  WHEN struct.more_structure_ind IS NULL THEN
    'N'
  ELSE
    struct.more_structure_ind
END more_structure_ind,
rp.project_established_date,
dist.c_district_recreation_district_code,
dist.d_district_rec_district_code_desc,
CAST (null AS INTEGER) objectid,
p.geometry,
rp.update_timestamp change_timestamp1,
p.update_timestamp change_timestamp2,
op.update_timestamp change_timestamp3,
op.change_count change_count1,
pd.update_timestamp change_timestamp4,
dd.update_timestamp change_timestamp5,
cc.update_timestamp change_timestamp6,
act.update_timestamp change_timestamp7,
act.activity_count change_count2,
accesses.update_timestamp change_timestamp8,
struct.update_timestamp change_timestamp9,
accesses.access_count change_count3,
struct.structure_count change_count4,
cs.num_camp_sites change_count5,
dist.district_count change_count6,
dist.update_timestamp change_timestamp10
FROM recreation_project rp
LEFT JOIN recreation_site_point p ON rp.forest_file_id = p.forest_file_id
LEFT JOIN recreation_map_feature rmf ON rp.forest_file_id = rmf.forest_file_id
LEFT JOIN recreation_maintain_std_code m ON rp.recreation_maintain_std_code = m.recreation_maintain_std_code
LEFT JOIN ( SELECT forest_file_id,
  MIN( client_locn_code ) KEEP ( DENSE_RANK FIRST ORDER BY agreement_end_date DESC,
agreement_holder_id DESC ) c_location,
  MIN( client_number ) KEEP ( DENSE_RANK FIRST ORDER BY agreement_end_date DESC,
agreement_holder_id DESC ) c_number,
  MAX( update_timestamp ) update_timestamp,
  COUNT( DISTINCT( forest_file_id ) ) change_count
  FROM recreation_agreement_holder
  GROUP BY forest_file_id ) op ON rp.forest_file_id = op.forest_file_id
LEFT JOIN forest_client fc ON op.c_number = fc.client_number
LEFT JOIN client_location cl ON op.c_number = cl.client_number AND op.c_location = cl.client_locn_code
LEFT JOIN recreation_comment pd ON rp.forest_file_id = pd.forest_file_id AND pd.rec_comment_type_code = 'DESC'
LEFT JOIN recreation_comment dd ON rp.forest_file_id = dd.forest_file_id AND dd.rec_comment_type_code = 'DRIV'

```

Table: FTEN_REC_SITE_POINTS (cont'd)*Notes:*

```

LEFT JOIN recreation_comment cc ON rp.forest_file_id = cc.forest_file_id AND cc.rec_comment_type_code = 'CLOS'
AND cc.closure_ind = 'Y'

```

```

LEFT JOIN ( SELECT forest_file_id,
COUNT(camp.campsite_number) num_camp_sites
FROM recreation_defined_campsite camp
GROUP BY forest_file_id ) cs ON rp.forest_file_id = cs.forest_file_id
LEFT JOIN ( SELECT forest_file_id,

```

```

MIN(CASE
WHEN rnk = 1 THEN
a.recreation_activity_code
ELSE

```

```

null
END) activity1,
MIN(CASE

```

```

WHEN rnk = 1 THEN
ac.description
ELSE
null
END) activity_desc1,
MIN(CASE

```

```

2 THEN

```

```

a.recreation_activity_code
ELSE
null
END) activity2,
MIN(CASE

```

```

WHEN rnk = 2 THEN
ac.description
ELSE
null
END) activity_desc2,
MIN(CASE

```

```

WHEN rnk = 3 THEN
a.recreation_activity_code
ELSE
null
END) activity3,
MIN(CASE

```

```

WHEN rnk = 3 THEN
ac.description
ELSE
null
END) activity_desc3,
MAX(CASE

```

```

WHEN rnk = 4 THEN
'Y'
ELSE
'N'
END) more_activity_ind,
MAX( a.update_timestamp ) update_timestamp,
COUNT( DISTINCT( forest_file_id||'-'||a.recreation_activity_code ) ) activity_count
FROM ( SELECT forest_file_id,
recreation_activity_code,
update_timestamp,
ROW_NUMBER() OVER (PARTITION BY forest_file_id ORDER BY CASE
WHEN activity_rank IS NOT NULL THEN
activity_rank

```

Table: FTEN_REC_SITE_POINTS (cont'd)*Notes:*

```

ELSE
    to_number(recreation_activity_code)

END DESC) rnk
FROM recreation_activity) a
JOIN recreation_activity_code ac ON a.recreation_activity_code = ac.recreation_activity_code
GROUP BY forest_file_id) act ON rp.forest_file_id = act.forest_file_id
LEFT JOIN ( SELECT forest_file_id,
    MIN(CASE
        WHEN rnk = 1 THEN
            acc.recreation_access_code
        ELSE
            null
    END) access1,
    MIN(CASE
        WHEN rnk = 1 THEN
            acccode.description
        ELSE
            null
    END) access_desc1,
    MIN(CASE
        WHEN rnk = 1 THEN
            acc.recreation_sub_access_code
        ELSE
            null
    END) sub_access1,
    MIN(CASE
        WHEN rnk = 1 THEN
            sac.description
        ELSE
            null
    END) sub_access_desc1,
    MIN(CASE
        WHEN rnk = 2 THEN
            acc.recreation_access_code
        ELSE
            null
    END) access2,
    MIN(CASE
        WHEN rnk = 2 THEN
            acccode.description
        ELSE
            null
    END) access_desc2,
    MIN(CASE
        WHEN rnk = 2 THEN
            acc.recreation_sub_access_code
        ELSE
            null
    END) sub_access2,
    MIN(CASE
        WHEN rnk = 2 THEN
            sac.description
        ELSE
            null
    END) sub_access_desc2,
    MIN(CASE

```

Table: FTEN_REC_SITE_POINTS (cont'd)*Notes:*

```

        WHEN rnk = 3 THEN
            acc.recreation_access_code
        ELSE
            null
    END) access3,
    MIN(CASE
        WHEN rnk = 3 THEN
            acccode.description
        ELSE
            null
    END) access_desc3,
    MIN(CASE
        WHEN rnk = 3 THEN
            acc.recreation_sub_access_code
        ELSE
            null
    END) sub_access3,
    MIN(CASE
        WHEN rnk = 3 THEN
            sac.description
        ELSE
            null
    END) sub_access_desc3,
    MAX(CASE
        WHEN rnk = 4 THEN
            'Y'
        ELSE
            'N'
    END) more_access_ind,
    MAX( acc.update_timestamp ) update_timestamp,
    COUNT( DISTINCT( forest_file_id||'-'||acc.recreation_access_code||'-'||acc.recreation_sub_access_code ) )
access_count
FROM ( SELECT forest_file_id,
              ROW_NUMBER() OVER (PARTITION BY forest_file_id ORDER BY
                                  CASE
                                      WHEN recreation_access_code = 'R' THEN

                                      1
                                      WHEN recreation_access_code = 'B' THEN
                                          2
                                      WHEN recreation_access_code = 'F' THEN
                                          3
                                      ELSE
                                          4
                                  END, recreation_access_code, recreation_sub_access_code) rnk,
              recreation_access_code,
              recreation_sub_access_code,
              update_timestamp
        FROM recreation_access ) acc
JOIN recreation_access_code acccode ON acc.recreation_access_code = acccode.recreation_access_code
JOIN recreation_sub_access_code sac ON acc.recreation_sub_access_code =
sac.recreation_sub_access_code
GROUP BY forest_file_id) accesses ON rp.forest_file_id = accesses.forest_file_id
LEFT JOIN ( SELECT forest_file_id,
                  MIN(CASE
                      WHEN rnk = 1 THEN
                          s.recreation_structure_code
                      ELSE

```

Table: FTEN_REC_SITE_POINTS (cont'd)*Notes:*

```

        null
    END) structure1,
    MIN(CASE
        WHEN rnk = 1 THEN
            sc.description
        ELSE
            null
    END) structure_desc1,
    MIN(CASE
        WHEN rnk = 2 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure2,
    MIN(CASE
        WHEN rnk = 2 THEN
            sc.description
        ELSE
            null
    END) structure_desc2,
    MIN(CASE
        WHEN rnk = 3 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure3,
    MIN(CASE
        WHEN rnk = 3 THEN
            sc.description
        ELSE
            null
    END) structure_desc3,
    MIN(CASE
        WHEN rnk = 4 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure4,
    MIN(CASE
        WHEN rnk = 4 THEN
            sc.description
        ELSE
            null
    END) structure_desc4,
    MIN(CASE
        WHEN rnk = 5 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure5,
    MIN(CASE
        WHEN rnk = 5 THEN
            sc.description
        ELSE
            null
    END) structure_desc5,
    MIN(CASE

```

Table: FTEN_REC_SITE_POINTS (cont'd)*Notes:*

```

        WHEN rnk = 6 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure6,
    MIN(CASE
        WHEN rnk = 6 THEN
            sc.description
        ELSE
            null
    END) structure_desc6,
    MIN(CASE
        WHEN rnk = 7 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure7,
    MIN(CASE
        WHEN rnk = 7 THEN
            sc.description
        ELSE
            null
    END) structure_desc7,
    MIN(CASE
        WHEN rnk = 8 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure8,
    MIN(CASE
        WHEN rnk = 8 THEN
            sc.description
        ELSE
            null
    END) structure_desc8,
    MIN(CASE
        WHEN rnk = 9 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure9,
    MIN(CASE
        WHEN rnk = 9 THEN
            sc.description
        ELSE
            null
    END) structure_desc9,
    MIN(CASE
        WHEN rnk = 10 THEN
            s.recreation_structure_code
        ELSE
            null
    END) structure10,
    MIN(CASE
        WHEN rnk = 10 THEN
            sc.description
    
```

Table: FTEN_REC_SITE_POINTS (cont'd)

Notes:

```

        ELSE
            null
        END) structure_desc10,
        MAX(CASE
            WHEN rnk = 11 THEN
                'Y'
            ELSE
                'N'
        END) more_structure_ind,
        MAX( s.update_timestamp ) update_timestamp,
        COUNT( DISTINCT( forest_file_id||'-'||s.recreation_structure_code ) ) structure_count
    FROM ( SELECT forest_file_id,
        ROW_NUMBER() OVER (PARTITION BY forest_file_id ORDER BY
            CASE
                WHEN recreation_structure_code = '33' THEN
                    1
                WHEN recreation_structure_code = '32' THEN
                    2
                WHEN recreation_structure_code = '31' THEN
                    3
                WHEN recreation_structure_code = '30' THEN
                    4
                WHEN recreation_structure_code = '05' THEN
                    5
                WHEN recreation_structure_code = '01' THEN
                    6
                WHEN recreation_structure_code = '88' THEN
                    7
                WHEN recreation_structure_code = '54' THEN
                    8
                WHEN recreation_structure_code = '55' THEN
                    9
                WHEN recreation_structure_code = '05' THEN
                    10
                ELSE
                    11
            END, recreation_structure_code, structure_id) rnk,
            recreation_structure_code,
            update_timestamp
        FROM recreation_structure ) s
    JOIN recreation_structure_code sc ON s.recreation_structure_code = sc.recreation_structure_code
    GROUP BY forest_file_id ) struct ON rp.forest_file_id = struct.forest_file_id
LEFT JOIN ( SELECT forest_file_id,
    MIN( x.recreation_district_code ) KEEP ( DENSE_RANK FIRST ORDER BY x.update_timestamp DESC )
c_district,
    MIN( c.description ) KEEP ( DENSE
_RANK FIRST ORDER BY x.update_timestamp DESC ) d_district,
    MAX( x.update_timestamp ) update_timestamp,
    COUNT( DISTINCT( x.forest_file_id ) ) district_count
FROM recreation_district_xref x
JOIN recreation_district_code c on x.recreation_district_code = c.recreation_district_code
GROUP BY x.forest_file_id ) dist ON rp.forest_file_id = dist.forest_file_id
WHERE rp.recreation_view_ind = 'Y' and (rmf.recreation_map_feature_code is null or rmf.recreation_map_feature_code
<> 'RTR')

```

Table: FTEN_REC_SITE_POINTS_SVW*Description:*

A warehouse view of recreation sites as maintained by FTA. This view has been denormalized to include modes of physical access, structures (improvements) at the site, and activities provided by the site.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	FEATURE_CODE An alphanumeric code used to identify a feature component. All CCSM feature codes are generated according to the Canadian Council on Survey and Mapping (CCSM) Draft Standard on feature code classification.	NOT NULL	VARCHAR2(10)
3	SITE_LOCATION A text description generally describing the location of a recreation site. e.g. North side of Bentick Arm between Mohan and Campbell Lake.	NULL	VARCHAR2(500)
4	PROJECT_NAME The name of the Recreation project.	NOT NULL	VARCHAR2(100)
5	OPERATOR_LEGAL_FIRST_NAME Operator's legal first name.	NULL	VARCHAR2(30)
6	OPERATOR_CLIENT_NAME The name of the site operator - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal surname if an Individual.	NULL	VARCHAR2(60)
7	OPERATOR_BUSINESS_PHONE Site operator's business telephone number and area code.	NULL	VARCHAR2(10)
8	OPERATOR_HOME_PHONE Site operator's home telephone number and area code.	NULL	VARCHAR2(10)
9	NUM_CAMP_SITES The number of defined campsites within the project.	NOT NULL	INTEGER
10	RECREATION_MAINTAIN_STD_CODE Code describing the Maintenance Standard of a given site. E.g. User Maintained, Maintained to Standard, Not Maintained.	NULL	VARCHAR2(1)
11	MAINTAIN_STD_DESC Description of the recreation_maintain_std_code.	NULL	VARCHAR2(120)
12	DRIVING_DIRECTIONS Description of the recreation_maintain_std_code.	NULL	VARCHAR2(2000)
13	CLOSURE_DESCRIPTION If the site is close, a description regarding the closure.	NULL	VARCHAR2(2000)
14	PROJECT_DESCRIPTION Description of the site.	NULL	VARCHAR2(2000)
15	ACTIVITY1 Code value for the highest ranked activity available at the site.	NULL	VARCHAR2(3)
16	ACTIVITY_DESC1 Description of highest ranked activity.	NULL	VARCHAR2(120)
17	ACTIVITY2 Code value for the second highest ranked activity available at the site.	NULL	VARCHAR2(3)
18	ACTIVITY_DESC2 Description of the second highest ranked activity.	NULL	VARCHAR2(120)
19	ACTIVITY3 Code value for the third highest ranked activity available at the site.	NULL	VARCHAR2(3)
20	ACTIVITY_DESC3 Description of the third highest ranked activity.	NULL	VARCHAR2(120)
21	MORE_ACTIVITY_IND Indicator indicating if there are more than 3 activities available at the site.	NOT NULL	VARCHAR2(1)
22	ACCESS1 Code describing the highest ranked mode of access to the recreation site.	NULL	VARCHAR2(3)
23	ACCESS_DESC1 Description of the highest ranked mode of access to the recreation site.	NULL	VARCHAR2(120)
24	SUB_ACCESS1	NULL	VARCHAR2(3)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	A code further defining the highest ranked mode of access to the site.		
29	SUB_ACCESS_DESC1	NULL	VARCHAR2(120)
	Description of the further definition of the highest ranked mode of access to the recreation site.		
30	ACCESS2	NULL	VARCHAR2(3)
	Code describing the second highest ranked mode of access to the recreation site.		
31	ACCESS_DESC2	NULL	VARCHAR2(120)
	Description of the second highest ranked mode of access to the recreation site.		
32	SUB_ACCESS2	NULL	VARCHAR2(3)
	A code further defining the second highest ranked mode of access to the site.		
33	SUB_ACCESS_DESC2	NULL	VARCHAR2(120)
	Description of the further definition of the second highest ranked mode of access to the recreation site.		
34	ACCESS3	NULL	VARCHAR2(3)
	Code describing the third highest ranked mode of access to the recreation site.		
35	ACCESS_DESC3	NULL	VARCHAR2(120)
	Description of the third highest ranked mode of access to the recreation site.		
36	SUB_ACCESS3	NULL	VARCHAR2(3)
	A code further defining the third highest ranked mode of access to the site.		
37	SUB_ACCESS_DESC3	NULL	VARCHAR2(120)
	Description of the further definition of the third highest ranked mode of access to the recreation site.		
38	MORE_ACCESS_IND	NOT NULL	VARCHAR2(1)
	Indicator indicating if there are more than 3 modes of access to the site.		
39	STRUCTURE1	NULL	VARCHAR2(3)
	Code defining the highest ranked improvement to the site.		
40	STRUCTURE_DESC1	NULL	VARCHAR2(120)
	Description of the highest ranked improvement.		
41	STRUCTURE2	NULL	VARCHAR2(3)
	Code defining the second highest ranked improvement to the site.		
42	STRUCTURE_DESC2	NULL	VARCHAR2(120)
	Description of the second highest ranked improvement.		
43	STRUCTURE3	NULL	VARCHAR2(3)
	Code defining the third highest ranked improvement to the site.		
44	STRUCTURE_DESC3	NULL	VARCHAR2(120)
	Description of the third highest ranked improvement.		
45	STRUCTURE4	NULL	VARCHAR2(3)
	Code defining the fourth highest ranked improvement to the site.		
46	STRUCTURE_DESC4	NULL	VARCHAR2(120)
	Description of the fourth highest ranked improvement.		
47	STRUCTURE5	NULL	VARCHAR2(3)
	Code defining the fifth highest ranked improvement to the site.		
48	STRUCTURE_DESC5	NULL	VARCHAR2(120)
	Description of the fifth highest ranked improvement.		
49	STRUCTURE6	NULL	VARCHAR2(3)
	Code defining the sixth highest ranked improvement to the site.		
50	STRUCTURE_DESC6	NULL	VARCHAR2(120)
	Description of the sixth highest ranked improvement.		
51	STRUCTURE7	NULL	VARCHAR2(3)
	Code defining the seventh highest ranked improvement to the site.		
52	STRUCTURE_DESC7	NULL	VARCHAR2(120)
	Description of the seventh highest ranked improvement.		
53	STRUCTURE8	NULL	VARCHAR2(3)
	Code defining the eighth highest ranked improvement to the site.		
54	STRUCTURE_DESC8	NULL	VARCHAR2(120)
	Description of the eighth highest ranked improvement.		
55	STRUCTURE9	NULL	VARCHAR2(3)
	Code defining the ninth highest ranked improvement to the site.		
56	STRUCTURE_DESC9	NULL	VARCHAR2(120)
	Description of the ninth highest ranked improvement.		

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
57	STRUCTURE10 Code defining the tenth highest ranked improvement to the site.	NULL	VARCHAR2(3)
58	STRUCTURE_DESC10 Description of the tenth highest ranked improvement.	NULL	VARCHAR2(120)
59	MORE_STRUCTURE_IND Indicator indicating there are more improvements to the site.	NOT NULL	VARCHAR2(1)
60	PROJECT_ESTABLISHED_DATE Date on which the project was legally established.	NULL	DATE
65	RECREATION_DISTRICT_CODE Administrative recreation district code for the Recreation site.	NULL	VARCHAR2(4)
70	REC_DISTRICT_CODE_DESC Administrative recreation district description for the Recreation site.	NULL	VARCHAR2(120)
80	OBJECTID Unique identifier.	NOT NULL	NUMBER(38)

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project.

Table: FTEN_REC_SITE_STRUCTURES*Description:*

Information relating to a recreation site improvement in a recreational tenure. All improvements are man made. E.g. boat launch, tables.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STRUCTURE_ID The unique identifier for the structure.	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	RECREATION_STRUCTURE_CODE Code defining the type of structure.	NOT NULL	VARCHAR2(3)
4	RECREATION_STRUCTURE_CODE_DESC Description of the type of structure.	NOT NULL	VARCHAR2(120)
5	STRUCTURE_NAME Name of the structure.	NOT NULL	VARCHAR2(100)
6	CAMPSITE_NUMBER The user-entered number specified for the campsite, if the structure is associated to a camp site within the recreation project.	NULL	NUMBER(3)
7	STRUCTURE_COUNT The number of structures for a given project's structure type.	NULL	NUMBER(3)
8	STRUCTURE_LENGTH Total length in metres for length-based structure types. (E.g. paths).	NULL	NUMBER(7,1)
9	STRUCTURE_WIDTH Total width in metres for width-based structure types. (E.g. parking lots).	NULL	NUMBER(7,1)
10	STRUCTURE_AREA Total area in square metres for area-based structure types. This will be applicable to only certain structures. E.g. Shelter.	NULL	NUMBER(7,1)
11	ACTUAL_VALUE The actual value of the recreation structure. This value takes precedence over the structure type value.	NULL	NUMBER(7,2)
12	REMEDIAL_REPAIR_CODE Code defining the type of remedial repair applicable to the structure.	NULL	VARCHAR2(3)
13	REMEDIAL_REPAIR_CODE_DESC Description of the type of remedial repair applicable to the structure.	NULL	VARCHAR2(120)
14	ESTIMATED_REPAIR_COST The estimated repair cost for the structure.	NULL	NUMBER(10,2)
15	REPAIR_COMPLETED_DATE The date on which the structure repair was completed.	NULL	DATE
16	CHANGE_TIMESTAMP1 Column used to detect changes in the recreation access operational table.	NOT NULL	DATE

Unique Constraints:

FTEN_REC_ST_STRUCT_UK

Indexes:

FTEN_REC_ST_STRUCT_FFID_IDX
FOREST_FILE_ID

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

```
SELECT s.structure_id,
       rp.forest_file_id,
       c.recreation_structure_code,
       c.description recreation_structure_code_desc,
       s.structure_name,
       s.campsite_number,
```

Table: FTEN_REC_SITE_STRUCTURES (cont'd)*Notes:*

```
s.structure_count,  
s.structure_length,  
s.structure_width,  
s.structure_area,  
s.actual_value,  
rc.recreation_remed_repair_code,  
rc.description remedial_repair_code_desc,  
s.estimated_repair_cost,  
s.repair_completed_date,  
s.update_timestamp change_timestamp2  
FROM recreation_project rp  
JOIN recreation_structure s on rp.forest_file_id = s.forest_file_id  
JOIN recreation_remed_repair_code rc on s.recreation_remed_repair_code = rc.recreation_remed_repair_code  
JOIN recreation_structure_code c ON s.recreation_structure_code = c.recreation_structure_code  
WHERE rp.recreation_view_ind = 'Y'
```

Table: FTEN_REC_SITE_STRUCTURES_VW**Description:**

Information relating to a recreation site improvement in a recreational tenure. All improvements are man made. E.g. boat launch, tables.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	STRUCTURE_ID The unique identifier for the structure.	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	RECREATION_STRUCTURE_CODE Code defining the type of structure.	NOT NULL	VARCHAR2(3)
4	RECREATION_STRUCTURE_CODE_DESC Description of the type of structure.	NOT NULL	VARCHAR2(120)
5	STRUCTURE_NAME Name of the structure.	NOT NULL	VARCHAR2(100)
6	CAMPSITE_NUMBER The user-entered number specified for the campsite, if the structure is associated to a camp site within the recreation project.	NULL	NUMBER(3)
7	STRUCTURE_COUNT The number of structures for a given project's structure type.	NULL	NUMBER(3)
8	STRUCTURE_LENGTH Total length in metres for length-based structure types. (E.g. paths).	NULL	NUMBER(7,1)
9	STRUCTURE_WIDTH Total width in metres for width-based structure types. (E.g. parking lots).	NULL	NUMBER(7,1)
10	STRUCTURE_AREA Total area in square metres for area-based structure types. This will be applicable to only certain structures. E.g. Shelter.	NULL	NUMBER(7,1)
11	ACTUAL_VALUE The actual value of the recreation structure. This value takes precedence over the structure type value.	NULL	NUMBER(7,2)
12	REMEDIAL_REPAIR_CODE Code defining the type of remedial repair applicable to the structure.	NULL	VARCHAR2(3)
13	REMEDIAL_REPAIR_CODE_DESC Description of the type of remedial repair applicable to the structure.	NULL	VARCHAR2(120)
14	ESTIMATED_REPAIR_COST The estimated repair cost for the structure.	NULL	NUMBER(10,2)
15	REPAIR_COMPLETED_DATE The date on which the structure repair was completed.	NULL	DATE

Notes:

06-06-2008 DH - Created for the Recreation build/implementation Project.

Table: FTEN_ROAD_LINES*Description:*

Captures road section spatial geometry for road applications received via the electronic submission process.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
* 2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
3	BCTS_IND Indicates whether a forest service road was built under the Small Business program. BCTS = BC Timber Sales.	NULL	VARCHAR2(1)
4	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)
5	ROAD_NAME The name (if applicable) given to the road. (e.g Morice River F.S.R.)	NULL	VARCHAR2(50)
6	ROAD_LENGTH The total active length of the road. This data is derived from the spatial component and is stored only for performance and ease of reporting.	NULL	NUMBER(11,4)
7	TFM_COMPLETED_IND (Y)es, or "TFM Load Complete": This road has been loaded from the warehouse into TFM. TFM should ignore it. (N)o, or "TFM Load Incomplete": This road has NOT yet been loaded from the warehouse into TFM. TFM should load it. TFM - TheForestManager	NULL	VARCHAR2(1)
8	ROAD_TENURE_TYPE_CD The road tenure type code, as used within TheForestManager (TFM) e.g. FSR, CP, NSR, OTH, RP.	NULL	VARCHAR2(10)
9	FILE_TYPE_CD The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
10	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
11	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NOT NULL	VARCHAR2(30)
12	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
13	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
15	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
16	ROAD_STATE_CD A code defining the status of a road. (e.g. (E)xisting, (P)roposed to be built, or (U)nkown).	NULL	VARCHAR2(10)
17	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
18	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
19	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
20	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
21	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
22	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
23	GEOMETRY	NULL	

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The geometry for this feature.		
24	CREATION_DATE	NULL	DATE
25	GML_MID	NULL	NUMBER
26	LAST_UPDATED_DATE	NULL	DATE
27	RETIREMENT_DATE	NULL	DATE
	Metadata indicating when a feature was retired.		
28	CODESPACE	NULL	VARCHAR2(255)
29	FEATURE_CODE	NULL	VARCHAR2(255)
	A unique feature code		
30	GML_FID	NULL	NUMBER
31	GML_ID	NULL	VARCHAR2(255)
32	SOURCE_DATA_SET	NULL	VARCHAR2(255)
33	GML_DESCRIPTION	NULL	VARCHAR2(2000)
34	SOURCE_TILE	NULL	VARCHAR2(255)
35	GML_NAME	NULL	VARCHAR2(255)
36	CHANGE_TIMESTAMP1	NULL	DATE
	The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
37	CHANGE_TIMESTAMP2	NULL	DATE
	The date and time the value in table 'tenure_application' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
38	CHANGE_TIMESTAMP3	NULL	DATE
	The date and time the value in table 'road_section' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
39	CHANGE_TIMESTAMP4	NULL	DATE
	The date and time the value in table 'road_section_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
40	CHANGE_TIMESTAMP5	NULL	DATE
	The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
41	CHANGE_TIMESTAMP6	NULL	DATE
	The date and time the value in table 'road_section_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
42	CHANGE_TIMESTAMP7	NULL	DATE
	The date and time the value in table 'road_prmt_amend' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
43	OBJECTID	NULL	NUMBER
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		

Unique Constraints:

FRDL_TENRD_UK
FOREST_FILE_ID
ROAD_SECTION_ID
APPLICATION_STATUS_CODE

Foreign Keys:

FRDL_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FRDL_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FRDL_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE
FRDL_FEAT_CLS_FK
FEATURE_CLASS_SKEY = CORP_FEATURE_CLASSES.FEATURE_CLASS_SKEY
FRDL_RDSEC_FK

Table: FTEN_ROAD_LINES (cont'd)*Foreign Keys:*

FOREST_FILE_ID = FTEN_ROAD_SECTION.FOREST_FILE_ID
ROAD_SECTION_ID = FTEN_ROAD_SECTION.ROAD_SECTION_ID
FRDL_RSC_FK
ROAD_STATE_CD = FTEN_ROAD_STATE_CODE.ROAD_STATE_CD
FRDL_TAMF_FK
MAP_FEATURE_ID = FTEN_TENURE_APPLICA_MAP_FEATUR.MAP_FEATURE_ID

Indexes:

FRDL_ASC_FK
APPLICATION_STATUS_CODE
FRDL_CMC_FK
CAPTURE_METHOD_CODE
FRDL_DSC_FK
DATA_SOURCE_CODE
FRDL_FEAT_CLS_FK
FEATURE_CLASS_SKEY
FRDL_RDSEC_FK
ROAD_SECTION_ID
FOREST_FILE_ID
FRDL_RSC_FK
ROAD_STATE_CD
FRDL_TAMF_FK
MAP_FEATURE_ID

Table: FTEN_ROAD_RESP_TYPE_CODE*Description:*

Identifies the organization responsible for administration of a Forest Service Road. Valid values include , Forest Services, and BC Timber Sales.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	ROAD_RESPONSIBILITY_TYPE_CODE Identifies the organization responsible for administration of a Forest Service Road. Valid values include , Forest Services, and BC Timber Sales.	NOT NULL	VARCHAR2(3)
20	DESCRIPTION Description of the code value.	NOT NULL	VARCHAR2(120)
30	EFFECTIVE_DATE Date the code becomes effective.	NOT NULL	DATE
30	EXPIRY_DATE Date the code expires.	NOT NULL	DATE
40	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE

Notes:

TPM 2008-07-04 Added table as part of BVI CR001.

Table: FTEN_ROAD_SECTION_AMENDMENT*Description:*

Tracks amendments to the length of a section in a road application . (Road Permit, FSR, or SUP Road)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NOT NULL	VARCHAR2(30)
* 3	AMENDMENT_ID The identifier of the amendment for the road application.	NOT NULL	NUMBER(5)
4	START_STATION The start station of the road section amendment. Measurement is in kilometres.	NULL	NUMBER(11,4)
5	END_STATION The end station of the road section amendment. Measurement is in kilometres.	NULL	NUMBER(11,4)
6	ROAD_AMEND_LENGTH Amendment, in kilometres, to the initial road length.	NULL	NUMBER(11,4)
7	AMEND_STATUS_CODE Code to indicate status of amendment, that is, pending, approved or disallowed.	NULL	VARCHAR2(3)
8	SECTION_WIDTH Identifies the width of the road section in metres.	NULL	NUMBER(3)

Notes:

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT rpa.forest_file_id,
       rpa.road_section_id,
       to_number(rpa.amendment_id) amendment_id,
       MAX(rpa.start_station) keep(dense_rank LAST ORDER BY rpa.road_prmt_amend_skey) start_station,
       MAX(rpa.end_station) keep(dense_rank LAST ORDER BY rpa.road_prmt_amend_skey) end_station,
       MAX(rpa.road_amend_lngth) keep(dense_rank LAST ORDER BY rpa.road_prmt_amend_skey) road_amend_length,
       MAX(rpa.amend_status_st) keep(dense_rank LAST ORDER BY rpa.road_prmt_amend_skey) amend_status_code,
       MAX(rpa.section_width) keep(dense_rank LAST ORDER BY rpa.road_prmt_amend_skey) section_width
FROM road_prmt_amend rpa
GROUP BY rpa.forest_file_id,
         rpa.road_section_id,
         rpa.amendment_id
```

Table: FTEN_ROAD_SECTION_AMENDMENT_VW*Description:*

Tracks amendments to the length of a section in a road application . (Road Permit, FSR, or SUP Road)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NULL	VARCHAR2(30)
3	AMENDMENT_ID The identifier of the amendment for the road application.	NULL	NUMBER(5)
4	START_STATION The start station of the road section amendment. Measurement is in kilometres.	NULL	NUMBER(11,4)
5	END_STATION The end station of the road section amendment. Measurement is in kilometres.	NULL	NUMBER(11,4)
6	ROAD_AMEND_LENGTH Amendment, in kilometres, to the initial road length.	NULL	NUMBER(11,4)
7	AMEND_STATUS_CODE Code to indicate status of amendment, that is, pending, approved or disallowed.	NULL	VARCHAR2(3)
8	SECTION_WIDTH Identifies the width of the road section in metres.	NULL	NUMBER(3)

Notes:

10-01-2008 DH - Entered for the FTA piece of the BVI Project.

Table: FTEN_ROAD_SECTION_LINES*Description:*

The spatial representation of the road sections within an RP - Road Permit, FSR - Forest Service Road, or SUP - Special Use Permit road. The geometry is the centre line of the road section.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NOT NULL	VARCHAR2(30)
3	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
4	ROAD_SECTION_NAME The name assigned to one section of road within a road permit.	NULL	VARCHAR2(20)
5	ROAD_SECTION_LENGTH The length of the road section in km.	NULL	NUMBER
6	RETIREMENT_DATE The date the road section was retired.	NULL	DATE
7	SECTION_WIDTH Identifies the width of the road section in metres.	NULL	NUMBER
8	GEOMETRY A spatial feature representing the centre line of the road section.	NULL	
9	FEATURE_LENGTH Spatial feature length in metres. This value is calculated.	NULL	NUMBER(12,4)
10	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	FILE_TYPE_CODE The code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
17	FILE_TYPE_DESCRIPTION Description of the file type.	NULL	VARCHAR2(120)
18	GEOGRAPHIC_DISTRICT_CODE The code of the district in which the road section is located.	NOT NULL	VARCHAR2(6)
19	GEOGRAPHIC_DISTRICT_NAME The name of the district in which the road section is located.	NOT NULL	VARCHAR2(100)
20	AWARD_DATE The first day of the tenure. The day the tenure legally starts.	NULL	DATE
21	EXPIRY_DATE Latest expiry date due to extensions.	NULL	DATE
22	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
23	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates.	NOT NULL	VARCHAR2(2)
24	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual.	NULL	VARCHAR2(91)
25	LOCATION Identifies the location of the road tenure.	NULL	VARCHAR2(120)
* 26	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
27	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the ROAD_SECTION_ID.	NOT NULL	VARCHAR2(41)
28	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a	NOT NULL	INTEGER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		
29	CHANGE_TIMESTAMP1	NOT NULL	DATE
	The date and time the value in table ROAD_SECTION was last modified. This column exists solely for the purpose of supporting replication from the source database.		
30	CHANGE_TIMESTAMP2	NOT NULL	DATE
	The date and time the value in table ROAD_SECTION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.		

Unique Constraints:

FTEN_RSL_OBJECTID_UK
OBJECTID

Indexes:

FTEN_RSL_CLIENT_I
CLIENT_NUMBER
CLIENT_LOCATION_CODE
FTEN_RSL_FCS_I
FEATURE_CLASS_SKEY
FTEN_RSL_FILE_CD_I
FILE_TYPE_CODE
FTEN_RSL_FILE_ST_I
FILE_STATUS_CODE
FTEN_RSL_GEO_I
GEOGRAPHIC_DISTRICT_CODE
FTEN_RSL_LCSC_I
LIFE_CYCLE_STATUS_CODE

Notes:

TPM 2007-05-30. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.
Updated 2007-12-05

The select statement for the view looks like:

```
SELECT rs.forest_file_id,
       rs.road_section_id,
       mf.feature_class_skey,
       rs.road_sect_name road_section_name,
       coalesce(rs.road_sect_length, rpa.road_amend_lngth) road_section_length,
       rs.retirement_date,
       coalesce(rs.section_width, rpa.section_width) section_width,
       coalesce(rsg.geometry, rsag.geometry) geometry,
       coalesce(rsg.feature_length, rsag.feature_length)*1000 feature_length,
       to_number(rpa.amendment_id) amendment_id,
       pfu.file_status_st file_status_code,
       pfu.file_type_code,
       ftc.description file_type_description,
       ou.org_unit_code geographic_district_code,
       ou.org_unit_name geographic_district_name,
       tt.legal_effective_dt award_date,
       tt.current_expiry_dt expiry_date,
       ffc.client_number,
       ffc.client_locn_code client_location_code,
       CASE
         WHEN fc.client_type_code = 'I' THEN
```

Table: FTEN_ROAD_SECTION_LINES (cont'd)*Notes:*

```

        fc.legal_first_name || ' ' || fc.client_name
    ELSE
        fc.client_name
    END client_name,
    rp.location,
    CAST(CASE
        WHEN rpa.amend_status_st = 'PND' THEN
            'PENDING'
        WHEN rs.retirement_date IS NOT NULL THEN
            'RETIRED'
        ELSE
            'ACTIVE'
        END AS VARCHAR2(10)) life_cycle_status_code,
    rs.forest_file_id || ' ' || rs.road_section_id map_label,
    coalesce(rsg.map_feature_id,rsag.map_feature_id) object_id,
    rs.update_timestamp change_timestamp1,
    coalesce(rsg.upd
ate_timestamp,rsag.update_timestamp) change_timestamp2
FROM road_section rs
JOIN road_permit rp ON rp.forest_file_id = rs.forest_file_id
JOIN road_prmt_amend rpa ON rpa.forest_file_id = rs.forest_file_id AND
    rpa.road_section_id = rs.road_section_id
JOIN road_section_amend_geom rsag ON rsag.road_prmt_amend_skey = rpa.road_prmt_amend_skey
LEFT JOIN road_section_geom rsg ON rsg.forest_file_id = rs.forest_file_id AND
    rsg.road_section_id = rs.road_section_id
JOIN prov_forest_use pfu ON rs.forest_file_id = pfu.forest_file_id
JOIN file_type_code ftc ON pfu.file_type_code = ftc.file_type_code
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
LEFT JOIN tenure_term tt ON rs.forest_file_id = tt.forest_file_id
JOIN forest_file_client ffc ON rs.forest_file_id = ffc.forest_file_id AND
    ffc.forest_file_client_type_code = 'A'
JOIN forest_client fc ON ffc.client_number = fc.client_number
JOIN tenure_application_map_feature mf ON mf.map_feature_id = rsag.map_feature_id
WHERE (rpa.amend_status_st = 'PND' OR
    (rpa.amend_status_st = 'APP' AND rsg.forest_file_id IS NOT NULL)) AND
    pfu.file_status_st NOT IN ('EE', 'DD', 'PD', 'PP')

```

Table: FTEN_ROAD_SECTION_LINES_SVW*Description:*

The spatial representation of the road sections within an RP - Road Permit, FSR - Forest Service Road, or SUP - Special Use Permit road. The geometry is the centre line of the road section.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
5	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
6	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NULL	VARCHAR2(30)
7	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
8	ROAD_SECTION_NAME The name assigned to one section of road within a road permit.	NULL	VARCHAR2(20)
9	ROAD_SECTION_LENGTH The length of the road section in km.	NULL	NUMBER
11	RETIREMENT_DATE The date the road section was retired from the spatial conflict layer.	NULL	DATE
12	SECTION_WIDTH Identifies the width of the road section in metres.	NULL	NUMBER
14	GEOMETRY A spatial feature representing the centre line of the road section.	NULL	
15	FEATURE_LENGTH Spatial feature length in metres. This value is calculated.	NULL	NUMBER(12,4)
18	AMENDMENT_ID The amendment id for the road section.	NULL	NUMBER(5)
20	FILE_STATUS_CODE The current status of the forest land use.	NULL	VARCHAR2(3)
21	FILE_TYPE_CODE The code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
22	FILE_TYPE_DESCRIPTION Description of the file type.	NULL	VARCHAR2(120)
23	GEOGRAPHIC_DISTRICT_CODE The code of the district in which the road section is located.	NULL	VARCHAR2(6)
24	GEOGRAPHIC_DISTRICT_NAME The name of the district in which the road section is located.	NULL	VARCHAR2(100)
25	AWARD_DATE The first day of the tenure. The day the tenure legally starts.	NULL	DATE
26	EXPIRY_DATE Latest expiry date due to extensions.	NULL	DATE
27	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
28	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates.	NULL	VARCHAR2(2)
29	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual.	NULL	VARCHAR2(91)
30	LOCATION Identifies the location of the road tenure.	NULL	VARCHAR2(120)
31	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
32	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the ROAD_SECTION_ID.	NULL	VARCHAR2(41)
40	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a	NOT NULL	INTEGER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	geodatabase.		

Notes:

11-01-2008 DH - Updated for the FTA piece of the BVI project.

Table: FTEN_ROAD_SECTION_POLY*Description:*

The spatial representation of the road sections within an RP - Road Permit, FSR - Forest Service Road, or SUP - Special Use Permit road. The geometry is a buffered polygon of the centre line of the road section. This layer is intended to be used for mapping purposes only to show the area of the road section. Note: this layer should not be used for spatial analysis.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NOT NULL	VARCHAR2(30)
3	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
4	ROAD_SECTION_NAME The name assigned to one section of road within a road permit.	NULL	VARCHAR2(20)
5	ROAD_SECTION_LENGTH The length of the road section in km.	NULL	NUMBER
6	RETIREMENT_DATE The date the road section was retired from the spatial conflict layer.	NULL	DATE
7	SECTION_WIDTH Identifies the width of the road section in metres.	NULL	NUMBER
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
10	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated	NULL	NUMBER(12,4)
11	AMENDMENT_ID The identifier of the amendment for the road application.	NOT NULL	NUMBER(5)
12	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
13	FILE_TYPE_CODE The code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
14	FILE_TYPE_DESCRIPTION Description of the file type.	NULL	VARCHAR2(120)
15	GEOGRAPHIC_DISTRICT_CODE The code of the district in which the road section is located.	NOT NULL	VARCHAR2(6)
16	GEOGRAPHIC_DISTRICT_NAME The name of the district in which the road section is located.	NOT NULL	VARCHAR2(100)
17	AWARD_DATE The first day of the tenure. The day the tenure legally starts.	NULL	DATE
18	EXPIRY_DATE Latest expiry date due to extensions.	NULL	DATE
19	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
20	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual.	NULL	VARCHAR2(91)
21	LOCATION Identifies the location of the road tenure.	NULL	VARCHAR2(50)
* 22	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
23	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the ROAD_SECTION_ID.	NOT NULL	VARCHAR2(41)
24	OBJECTID	NOT NULL	INTEGER

Columns:

Seq.	Column	Nulls?	Type
	A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		
25	CHANGE_TIMESTAMP1	NOT NULL	DATE
	The date and time the value in table ROAD_SECTION was last modified. This column exists solely for the purpose of supporting replication from the source database.		
26	CHANGE_TIMESTAMP2	NOT NULL	DATE
	The date and time the value in table ROAD_SECTION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.		

FTEN_RSP_OBJECTID_UK
OBJECTID

```
FTEN_RSP_CLIENT_I
    CLIENT_NUMBER
FTEN_RSP_FCS_I
    FEATURE_CLASS_SKEY
FTEN_RSP_FILE_CD_I
    FILE_TYPE_CODE
FTEN_RSP_FILE_ST_I
    FILE_STATUS_CODE
FTEN_RSP_GEO_I
FTEN_RSP_LCSC_I
    LIFE_CYCLE_STATUS_CODE
```

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

[illegible]

Table: FTEN_ROAD_SECTION_POLY (cont'd)**Notes:**

```

ection_width,
                                rpa.section_width),
                                .0005),
                                .0005,
                                'arc_tolerance=1 unit=M'),
                                .0005,
                                'unit=M') feature_perimeter,
to_number(rpa.amendment_id) amendment_id,
mf.feature_class_skey,
pfu.file_status_st file_status_code,
pfu.file_type_code,
ftc.description file_type_description,
ou.org_unit_code geographic_district_code,
ou.org_unit_name geographic_district_name,
tt.legal_effective_dt award_date,
tt.current_expiry_dt expiry_date,
ffc.client_number,
CASE
  WHEN fc.client_type_code = 'I' THEN
    fc.legal_first_name || ' ' || fc.client_name
  ELSE
    fc.client_name
END client_name,
rp.location,
CAST(CASE
  WHEN rpa.amend_status_st = 'PND' THEN
    'PENDING'
  WHEN rs.retirement_date IS NOT NULL THEN
    'RETIRED'
  ELSE
    'ACTIVE'
END AS VARCHAR2(10)) life_cycle_status_code,
rs.forest_file_id || ' ' || rs.road_section_id map_label,
coalesce(rsg.map_feature_id,rsag.map_feature_id) object_id,
rs.update_timestamp change_timestamp1,
coalesce(rs.update_timestamp,rsag.update_timestamp) change_timestamp2
FROM road_section rs
JOIN road_permit rp ON rp.forest_file_id = rs.forest_file_id
JOIN road_prmt_amend rpa ON rs.forest_file_id = rpa.forest_file_id AND
                        rs.road_section_id = rpa.road_section_id
JOIN road_section_amend_geom rsag ON rsag.road_prmt_amend_skey = rpa.road_prmt_amend_skey
LEFT JOIN road_section_
geom rsg ON rsag.map_feature_id = rsg.map_feature_id
JOIN prov_forest_use pfu ON rs.forest_file_id = pfu.forest_file_id
JOIN file_type_code ftc ON pfu.file_type_code = ftc.file_type_code
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
LEFT JOIN tenure_term tt ON rs.forest_file_id = tt.forest_file_id
JOIN forest_file_client ffc ON rs.forest_file_id = ffc.forest_file_id AND
                        ffc.forest_file_client_type_code = 'A'
JOIN forest_client fc ON ffc.client_number = fc.client_number
JOIN tenure_application_map_feature mf ON mf.map_feature_id = rsag.map_feature_id
WHERE (rpa.amend_status_st = 'PND' OR
(rpa.amend_status_st = 'APP' AND rsg.forest_file_id IS NOT NULL)) AND
pfu.file_status_st NOT IN ('EE', 'DD', 'PD', 'PP')

```

Table: FTEN_ROAD_SECTION_POLY_SVW**Description:**

The spatial representation of the road sections within an RP - Road Permit, FSR - Forest Service Road, or SUP - Special Use Permit road. The geometry is a buffered polygon of the centre line of the road section. This layer is intended to be used for mapping purposes only to show the area of the road section. Note: this layer should not be used for spatial analysis.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NULL	VARCHAR2(30)
3	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
4	ROAD_SECTION_NAME The name assigned to one section of road within a road permit.	NULL	VARCHAR2(20)
5	ROAD_SECTION_LENGTH The length of the road section in km.	NULL	NUMERIC
6	RETIREMENT_DATE The date the road section was retired from the spatial conflict layer.	NULL	DATE
7	SECTION_WIDTH Identifies the width of the road section in metres.	NULL	NUMBER
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
10	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated	NULL	NUMBER(12,4)
11	AMENDMENT_ID The identifier of the amendment for the road application.	NULL	NUMBER(5)
12	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
13	FILE_TYPE_CODE The code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
14	FILE_TYPE_DESCRIPTION Description of the file type.	NULL	VARCHAR2(120)
15	GEOGRAPHIC_DISTRICT_CODE The code of the district in which the road section is located.	NULL	VARCHAR2(6)
16	GEOGRAPHIC_DISTRICT_NAME The name of the district in which the road section is located.	NULL	VARCHAR2(100)
17	AWARD_DATE The first day of the tenure. The day the tenure legally starts.	NULL	DATE
18	EXPIRY_DATE Latest expiry date due to extensions.	NULL	DATE
19	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
20	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual.	NULL	VARCHAR2(91)
21	LOCATION Identifies the location of the road tenure.	NULL	VARCHAR2(50)
22	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
23	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the ROAD_SECTION_ID.	NULL	VARCHAR2(41)
24	OBJECTID	NULL	INTEGER

Table: FTEN_ROAD_SECTION_POLY_SVW (cont'd)*Columns:*Seq.ColumnNulls?Type

A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.

Notes:

10-01-2008 DH - Created for the FTA piece of the BVI Project

Table: FTEN_ROAD_SEGMENT_LINES*Description:*

The spatial representation of the road segments within road sections. The geometry is the centre line of the road segment.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NOT NULL	VARCHAR2(30)
* 3	START_STATION The start station of the road segment.	NOT NULL	NUMBER(11,4)
* 4	END_STATION The end station of the road segment.	NOT NULL	NUMBER(11,4)
5	TIMBER_MARK 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.	NULL	VARCHAR2(10)
6	ROAD_RESPONSIBILITY_TYPE_CODE Identifies the owner of a Forest Service Road. Valid values include "BCTS", and "Forest Services".	NULL	VARCHAR2(3)
7	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
8	RETIREMENT_DATE Date the Road Section feature was retired.	NULL	DATE
9	FEATURE_LENGTH Spatial feature length in metres. This value is calculated.	NULL	NUMBER(11,4)
10	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
11	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
12	FILE_TYPE_CODE The code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
13	FILE_TYPE_DESCRIPTION Description of the file type.	NULL	VARCHAR2(120)
14	GEOGRAPHIC_DISTRICT_CODE The code of the district in which the road section is located.	NOT NULL	VARCHAR2(6)
15	GEOGRAPHIC_DISTRICT_NAME The name of the district in which the road section is located.	NOT NULL	VARCHAR2(100)
16	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
17	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual.	NULL	VARCHAR2(91)
* 18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
23	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID, ROAD_SECTION_ID, and START_STATION.	NOT NULL	VARCHAR2(50)
24	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
25	CHANGE_TIMESTAMP1 The date and time the value in table ROAD_SECTION was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
26	CHANGE_TIMESTAMP2 The date and time the value in table ROAD_SECTION_AMEND_SEGEMENT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
27	CHANGE_TIMESTAMP3 The date and time the value in table ROAD_SECTION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
28	CHANGE_TIMESTAMP4 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_FRSL_OBJECTID_UK
OBJECTID

Indexes:

FTEN_FRSL_CLIENT_I
CLIENT_NUMBER
FTEN_FRSL_FCS_I
FEATURE_CLASS_SKEY
FTEN_FRSL_FILE_CD_I
FILE_TYPE_CODE
FTEN_FRSL_FILE_ST_I
FILE_STATUS_CODE
FTEN_FRSL_GEO_I
GEOGRAPHIC_DISTRICT_CODE
FTEN_FRSL_LCSC_I
LIFE_CYCLE_STATUS_CODE

Notes:

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT rs.forest_file_id,
       rs.road_section_id,
       rsas.start_station,
       rsas.end_station,
       rsas.timber_mark,
       rsas.road_responsibility_type_code,
       sdo_lrs.convert_to_std_geom(sdo_lrs.clip_geom_segment(sdo_lrs.convert_to_lrs_geom(coalesce(rsg.geometry,
                                                                                                     rsag.geometry)),
                                                                                                     rsas.start_station,
                                                                                                     rsas.end_station,
                                                                                                     .0005)) geometry,
       rs.retirement_date,

       sdo_geom.sdo_length(sdo_lrs.convert_to_std_geom(sdo_lrs.clip_geom_segment(sdo_lrs.convert_to_lrs_geom(coalesce(
                                                                                                     rsg.geometry,
                                                                                                     rsag.geometry)),
                                                                                                     rsas.start_station,
                                                                                                     rsas.end_station,
                                                                                                     .0005)),
                                                                                                     .0005,
                                                                                                     'unit=m') feature_length,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       pfu.file_type_code,
       ftc.description file_type_description,
```

Table: FTEN_ROAD_SEGMENT_LINES (cont'd)**Notes:**

```

ou.org_unit_code geographic_district_code,
ou.org_unit_name geographic_district_name,

ffc.client_number,
CASE
  WHEN fc.client_type_code = 'I' THEN
    fc.legal_first_name || ' ' || fc.client_name
  ELSE
    fc.client_name
END client_name,
CAST(CASE
  WHEN rpa.amend_status_st = 'PND' THEN
    'PENDING'
  WHEN rs.retirement_date IS NOT NULL THEN
    'RETIRED'
  ELSE
    'ACTIVE'
END AS VARCHAR2(10)) life_cycle_status_code,
rs.forest_file_id || ' ' || rs.road_section_id || ' ' || rsas.start_station map_label,
rsas.road_section_amend_seg_id objectid,
rs.update_timestamp change_timestamp1,
rsas.update_timestamp change_timestamp2,
coalesce(rsg.update_timestamp,rsag.update_timestamp) change_timestamp3,
ou.update_timestamp change_timestamp4
FROM road_section rs
JOIN road_prmt_amend rpa ON rpa.forest_file_id = rs.forest_file_id AND
    rpa.road_section_id = rs.road_section_id
JOIN road_section_amend_segment rsas ON rpa.road_prmt_amend_skey = rsas.road_prmt_amend_skey
JOIN road_section_amend_geom rsag ON rsag.road_prmt_amend_skey = rpa.road_prmt_amend_skey
LEFT JOIN road_section_geom rsg ON rsg.map_feature_id = rsag.map_feature_id
JOIN prov_forest_use pfu ON rs.forest_file_id = pfu.forest_file_id
JOIN file_type_code ftc ON pfu.file_type_code = ftc.file_type_code
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
JOIN forest_file_client ffc ON rs.forest_file_id = ffc.forest_file_id AND
    ffc.forest_file_client_type_code = 'A'
JOIN forest_client fc ON ffc.client_number = fc.client_number
JOIN tenure_application_map_feature tamf ON tamf.map_feature_id = rsag.map_feature_id
WHERE (rpa.amend_status_st = 'PND' OR
    (rpa.amend_status_st = 'APP' AND rsg.forest_file_id IS NOT NULL)) AND
    pfu.file_status_st NOT IN
('EE', 'DD', 'PD', 'PP') AND
    rsas.tenured_ind = 'Y' AND
    rsas.start_station < rsas.end_station

```

Table: FTEN_ROAD_SEGMENT_LINES_SVW**Description:**

Uniquely identifies all road segments within a road section.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	ROAD_SECTION_ID Identifies one section of a road within a road permit.	NULL	VARCHAR2(30)
3	START_STATION The start station of the road segment.	NULL	NUMBER(11,4)
4	END_STATION The end station of the road segment.	NULL	NUMBER(11,4)
5	TIMBER_MARK 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.	NULL	VARCHAR2(10)
6	ROAD_RESPONSIBILITY_TYPE_CODE Identifies the owner of a Forest Service Road. Valid values include "BCTS", and "Forest Services".	NULL	VARCHAR2(3)
7	GEOMETRY The geometry of the feature representing the center line of the road segment.	NULL	
8	RETIREMENT_DATE Date the Road Section feature was retired.	NULL	DATE
9	FEATURE_LENGTH Spatial feature length in metres. This value is calculated.	NULL	NUMBER(11,4)
10	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
11	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
12	FILE_TYPE_CODE The code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
13	FILE_TYPE_DESCRIPTION Description of the file type.	NULL	VARCHAR2(120)
14	GEOGRAPHIC_DISTRICT_CODE The code of the district in which the road section is located.	NULL	VARCHAR2(6)
15	GEOGRAPHIC_DISTRICT_NAME The name of the district in which the road section is located.	NULL	VARCHAR2(100)
16	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
17	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual.	NULL	VARCHAR2(91)
18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
19	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID, ROAD_SECTION_ID, and START_STATION.	NULL	VARCHAR2(50)
20	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

10-01-2008 DH - Created for the FTA piece of the BVI Project

Table: FTEN_SPECIAL_ACCESS_ROAD_LINES*Description:*

The spatial representation of the linear geometry for FSR Declarations and FSR Gazettes Unsurveyed.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	SECTION_ID Number of a section or branch of a tabulated road within a road identity.	NOT NULL	VARCHAR2(10)
3	ROAD_NAME_LEGAL The legal road name.	NULL	VARCHAR2(50)
4	ROAD_NAME_COMMON The commonly used road name.	NULL	VARCHAR2(50)
5	COMMENTS Comments regarding the road.	NULL	VARCHAR2(255)
10	WATERSHED_CODE Watershed code. Non-validated.	NULL	VARCHAR2(10)
11	RETIREMENT_DATE The date the special access road linear was retired.	NULL	DATE
12	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5)
13	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the SECTION_ID.	NULL	VARCHAR2(20)
14	GEOMETRY The geometry of the feature.	NULL	
15	FEATURE_LENGTH Spatial feature length in metres. This value is calculated.	NULL	NUMBER(11,4)
* 16	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
17	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
18	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NOT NULL	VARCHAR2(6)
19	ADMIN_DISTRICT_NAME The name of the administrative district associated with this feature.	NOT NULL	VARCHAR2(100)
* 20	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
21	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER
22	CHANGE_TIMESTAMP1 The date and time the value in table FSR_DECLARATION was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
23	CHANGE_TIMESTAMP2 The date and time the value in table FSR_DECLARATION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
24	CHANGE_TIMESTAMP3 The date and time the value in table TENURE_APPLICATION_MAP_FEATURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_SARL_OBJECTID_UK
OBJECTID

Notes:

Table: FTEN_SPECIAL_ACCESS_ROAD_LINES (cont'd)**Notes:**

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```

SELECT fsrd.forest_file_id,
       fsrd.section_id,
       fsrd.road_name_legal,
       fsrd.road_name_common,
       fsrd.fd_comment comments,
       fsrd.watershed_code,
       fsrd.retirement_date,
       to_number(fsrd.amendment_id) amendment_id,
       fsrd.forest_file_id || ' ' || fsrd.section_id map_label,
       fsrdg.geometry,
       fsrdg.feature_length*1000 feature_length,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN fsrd.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN fsrd.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       fsrdg.map_feature_id object_id,
       fsrd.update_timestamp change_timestamp1,
       fsrdg.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM fsr_declaration fsrd
JOIN fsr_declaration_geom fsrdg ON fsrd.forest_file_id = fsrdg.forest_file_id AND
                                fsrd.section_id = fsrdg.section_id AND
                                fsrd.amendment_id = fsrdg.amendment_id
JOIN tenure_application_map_feature tamf ON fsrdg.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON fsrd.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE fsrd.current_ind = 'Y' OR
       fsrd.amend_status_cod
e = 'PND'
UNION ALL
SELECT fgu.forest_file_id,
       fgu.section_id,
       fgu.road_name_legal,
       fgu.road_name_common,
       fgu.fgu_comment comments,
       fgu.watershed_code,
       fgu.retirement_date,
       to_number(fgu.amendment_id) amendment_id,
       fgu.forest_file_id || ' ' || fgu.section_id map_label,
       fgug.geometry,
       fgug.feature_length*1000 feature_length,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,

```

Table: FTEN_SPECIAL_ACCESS_ROAD_LINES (cont'd)*Notes:*

```

ou.org_unit_name admin_district_name,
CAST(CASE
  WHEN fgug.amend_status_code = 'PND' THEN
    'PENDING'
  WHEN fgug.retirement_date IS NOT NULL THEN
    'RETIRED'
  ELSE
    'ACTIVE'
  END AS VARCHAR2(10)) life_cycle_status_code,
fgug.map_feature_id object_id,
fgug.update_timestamp change_timestamp1,
fgug.update_timestamp change_timestamp2,
ou.update_timestamp change_timestamp3
FROM fsr_gazette_unsurveyed fgug
JOIN fsr_gazette_geom fgug ON fgug.forest_file_id = fgug.forest_file_id AND
      fgug.section_id = fgug.section_id AND
      fgug.amendment_id = fgug.amendment_id
JOIN tenure_application_map_feature tamf ON fgug.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON fgug.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE fgug.current_ind = 'Y' OR
      fgug.amend_status_code = 'PND'

```

Table: FTEN_SPECIAL_ACCESS_ROAD_POLY*Description:*

The spatial representation of the polygonal geometry for FSR Dedications and FSR Gravel Pits.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	DEDICATION_PLAN_ID Plan number for dedications.	NULL	VARCHAR2(30)
3	GRAVEL_PIT_NUMBER Unique identifier for a gravel pit within a file.	NULL	NUMBER(4)
4	ROAD_NAME_LEGAL The legal name of the road.	NULL	VARCHAR2(50)
5	ROAD_NAME_COMMON The common name of the road.	NULL	VARCHAR2(50)
6	COMMENTS Comments about the road.	NULL	VARCHAR2(255)
7	WATERSHED_CODE Watershed code. Non-validated.	NULL	VARCHAR2(10)
8	RETIREMENT_DATE The date the special access road was retired.	NULL	DATE
9	AMENDMENT_ID The amendment id for the instance.	NOT NULL	NUMBER(5)
* 10	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and DEDICATION_PLAN_ID or GP_NUMBER.	NOT NULL	VARCHAR2(51)
11	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
12	FEATURE_AREA Spatial feature area in square metres. This value is calculated	NULL	NUMBER(15,4)
13	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
* 14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NOT NULL	VARCHAR2(6)
17	ADMIN_DISTRICT_NAME The name of the administrative district associated with this feature.	NOT NULL	VARCHAR2(100)
* 18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
19	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
20	CHANGE_TIMESTAMP1 The date and time the value in table FSR_DEDICATION was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
21	CHANGE_TIMESTAMP2 The date and time the value in table FSR_DEDICATION_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
22	CHANGE_TIMESTAMP3 The date and time the value in table TENURE_APPLICATION_MAP_FEATURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

Table: FTEN_SPECIAL_ACCESS_ROAD_POLY (cont'd)*Unique Constraints:*

FTEN_SARP_OBJECTID_UK
OBJECTID

Notes:

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT fsrd.forest_file_id,
       fsrd.dedication_plan_id,
       CAST(NULL AS NUMBER(4)) gp_number,
       fsrd.road_name_legal,
       fsrd.road_name_common,
       fsrd.fded_comment comments,
       fsrd.watershed_code,
       fsrd.retirement_date,
       to_number(fsrd.amendment_id) amendment_id,
       fsrd.forest_file_id || ' ' || fsrd.dedication_plan_id map_label,
       fsrdg.geometry,
       fsrdg.feature_area*10000 feature_area,
       fsrdg.feature_perimeter*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN fsrd.amend_status_code = 'PND' THEN
              'PENDING'
            WHEN fsrd.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       fsrdg.map_feature_id object_id,
       fsrd.update_timestamp change_timestamp1,
       fsrdg.update_timestamp change_timestamp2,
       ou.update_timestamp change_timestamp3
FROM   fsr_dedication fsrd
JOIN   fsr_dedication_geom fsrdg ON fsrd.forest_file_id = fsrdg.forest_file_id AND
       fsrd.dedication_plan_id = fsrdg.dedication_plan_id AND
       fsrd.amendment_id = fsrdg.amendment_id
JOIN   tenure_application_map_feature tamf ON fsrdg.map_feature_id = tamf.map_feature_id
JOIN   prov_forest_use pfu ON fsrd.forest_file_id = pfu.forest_file_id
LEFT JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE  fsrd.current_ind = 'Y' OR
       fsrd.amend_status_code = 'PND'
UNION ALL
SELECT fgp.forest_file_id,
       CAST(NULL AS VARCHAR2(30)) dedication_plan_id,
       fgp.gp_number,
       fgp.road_name_legal,
       fgp.road_name_common,
       fgp.fgp_comment comments,
       fgp.watershed_code,
       fgp.retirement_date,
```

Table: FTEN_SPECIAL_ACCESS_ROAD_POLY (cont'd)*Notes:*

```

to_number(fgp.amendment_id) amendment_id,
fgp.forest_file_id || ' ' || fgp.gp_number map_label,
fgpg.geometry,
fgpg.feature_area*10000 feature_area,
fgpg.feature_perimeter*1000 feature_perimeter,
tamf.feature_class_skey,
pfu.file_status_st file_status_code,
ou.org_unit_code admin_district_code,
ou.org_unit_name admin_district_name,
CAST(CASE
    WHEN fgp.amend_status_code = 'PND' THEN
        'PENDING'
    WHEN fgp.retirement_date IS NOT NULL THEN
        'RETIRED'
    ELSE
        'ACTIVE'
    END AS VARCHAR2(10)) life_cycle_status_code,
fgpg.map_feature_id object_id,
fgp.update_timestamp change_timestamp1,
fgpg.update_timestamp change_timestamp2,
ou.update_timestamp change_timestamp3
FROM fsr_gravel_pit fgp
JOIN fsr_gravel_pit_geom fgpg ON fgp.forest_file_id = fgpg.forest_file_id AND
    fgp.gp_number = fgpg.gp_number AND
    fgp.amendment_id = fgpg.amendment_id
JOIN tenure_application_map_feature tamf ON fgpg.map_feature_id = tamf.map_feature_id
JOIN prov_forest_use pfu ON fgp.forest_file_id = pfu.forest_file_id
LEFT JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE fgp.current_ind = 'Y' OR
    fgp.amend_status_code = 'PND'

```

Table: FTEN_SPECIAL_ACC_ROAD_LINE_SP*Description:*

The spatial layer for a road section within a Forest Service Road. Contains the geometry of the permit boundary. The Forest Tenures Section (FTS) is responsible for the creation and maintenance of digital Forest Atlas files for the province

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	SECTION_ID Along with forest file id, uniquely identifies for a road section.	NULL	VARCHAR2(10)
4	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
5	TFM_COMPLETED_IND A system managed flag used to indicate whether the data has been passed to FRMA	NULL	VARCHAR2(1)
6	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
7	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
8	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
12	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
13	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
14	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
15	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
16	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
17	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
18	CHANGE_TIMESTAMP1 The date and time the value in table 'fsr_declaration' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
19	CHANGE_TIMESTAMP2 The date and time the value in table 'fsr_declaration_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
20	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
21	CHANGE_TIMESTAMP4 The date and time the value in table 'fsr_gazette_unsurveyed' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
22	CHANGE_TIMESTAMP5 The date and time the value in table 'fsr_gazette_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
23	CHANGE_TIMESTAMP6 The date and time the value in table 'non_status_road' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
24	CHANGE_TIMESTAMP7 The date and time the value in table 'nsr_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
25	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER

Foreign Keys:

FSARL_SP_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE

FSARL_SP_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE

FSARL_SP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FSARL_SP_ASC_FK
APPLICATION_STATUS_CODE

FSARL_SP_CMC_FK
CAPTURE_METHOD_CODE

FSARL_SP_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_SPECIAL_ACC_ROAD_POLY_SP*Description:*

The spatial layer for an area-based Forest Service Road. Contains the geometry of the permit boundary. The Forest Tenures Section (FTS) is responsible for the creation and maintenance of digital Forest Atlas files for the province.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
4	FEATURE_CODE A unique feature code	NULL	VARCHAR2(10)
5	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
6	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
7	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
8	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
9	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
10	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
11	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
13	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
15	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
16	DEDICATION_PLAN_ID A unique identifier for a Dedication within a Road Permit.	NULL	VARCHAR2(30)
17	GP_NUMBER A unique identifier for a Gravel Pit within a Road Permit.	NULL	NUMBER
18	CHANGE_TIMESTAMP1 The date and time the value in table 'fsr_dedication' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
19	CHANGE_TIMESTAMP2 The date and time the value in table 'fsr_dedication_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
20	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
21	CHANGE_TIMESTAMP4 The date and time the value in table 'fsr_gravel_pit' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
22	CHANGE_TIMESTAMP5 The date and time the value in table 'fsr_gravel_pit_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
23	OBJECTID	NULL	NUMBER
a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.			

Foreign Keys:

FSARP_SP_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE

FSARP_SP_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE

FSARP_SP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE

Indexes:

FSARP_SP_ASC_FK
APPLICATION_STATUS_CODE

FSARP_SP_CMC_FK
CAPTURE_METHOD_CODE

FSARP_SP_DSC_FK
DATA_SOURCE_CODE

Table: FTEN_SPECIAL_USE_PERMIT_POLY*Description:*

A spatial representation for non-road special use permits.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	SPECIAL_USE_CODE The special use permit special use code.	NULL	VARCHAR2(2)
3	SPECIAL_USE_DESCRIPTION A description for the special use code.	NULL	VARCHAR2(120)
4	PERMIT_BLOCK_AREA Area defined by the permit block of a cutting permit. The sum of the permit block areas will be the total area for the cutting permit.	NULL	NUMBER(11,4)
5	RETIREMENT_DATE The date the road section was retired from the spatial conflict layer.	NULL	DATE
6	AMENDMENT_ID The amendment id of this instance.	NOT NULL	NUMBER(5)
7	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NOT NULL	VARCHAR2(10)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
10	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
11	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
12	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
13	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NOT NULL	VARCHAR2(6)
14	ADMIN_DISTRICT_NAME The name of the administrative district associated with this feature.	NOT NULL	VARCHAR2(100)
* 15	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
16	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
17	CHANGE_TIMESTAMP1 The date and time the value in table SPEC_USE_PERMIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
18	CHANGE_TIMESTAMP2 The date and time the value in table LAND_USE_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
19	CHANGE_TIMESTAMP3 The date and time the value in table TENURE_APPLICATION_MAP_FEATURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
20	CHANGE_TIMESTAMP4 The date and time the value in table TENURE_APPLICATION_MAP_FEATURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_SUPP_OBJECTID_UK
OBJECTID

Notes:

Table: FTEN_SPECIAL_USE_PERMIT_POLY (cont'd)**Notes:**

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT sup.forest_file_id,
       sup.special_use_code,
       spc.description special_use_description,
       sup.permit_block_area,
       sup.retirement_date,
       to_number(luag.amendment_id) amendment_id,
       sup.forest_file_id map_label,
       coalesce(lug.geometry, luag.geometry) geometry,
       coalesce(lug.feature_area, luag.feature_area)*10000 feature_area,
       coalesce(lug.feature_perimeter, luag.feature_perimeter)*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code admin_district_code,
       ou.org_unit_name admin_district_name,
       CAST(CASE
            WHEN ta.tenure_application_state_code = 'INB' THEN
              'PENDING'
            WHEN sup.retirement_date IS NOT NULL THEN
              'RETIRED'
            ELSE
              'ACTIVE'
            END AS VARCHAR2(10)) life_cycle_status_code,
       sup.update_timestamp change_timestamp1,
       coalesce(lug.update_timestamp, luag.update_timestamp) change_timestamp2,
       ta.update_timestamp change_timestamp3,
       ou.update_timestamp change_timestamp4
FROM spec_use_permit sup
JOIN land_use_amend_geom luag ON sup.forest_file_id = luag.forest_file_id
LEFT JOIN land_use_geom lug ON luag.map_feature_id = lug.map_feature_id
JOIN tenure_application_map_feature tamf ON lug.map_feature_id = tamf.map_feature_id
JOIN tenure_application ta ON tamf.tenure_app_id = ta.tenure_app_id
JOIN prov_forest_use pfu ON sup.forest_file_id = pfu.forest_file_id
JOIN org_unit ou
ON sup.admin_forest_dist = ou.org_unit_no
JOIN special_use_code spc ON sup.special_use_code = spc.special_use_code
WHERE ta.tenure_application_state_code IN ('INB') OR
      (ta.tenure_application_state_code IN ('APP', 'RET') AND lug.forest_file_id IS NOT NULL)
```

Table: FTEN_SPEC_ACCESS_RD_LINES_SVW**Description:**

The spatial representation of the linear geometry for FSR Declarations and FSR Gazettes Unsurveyed.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	SECTION_ID Number of a section or branch of a tabulated road within a road identity.	NULL	VARCHAR2(10)
3	ROAD_NAME_LEGAL The legal road name	NULL	VARCHAR2(50)
4	ROAD_NAME_COMMON The commonly used road name	NULL	VARCHAR2(50)
5	COMMENTS Comments regarding the road.	NULL	VARCHAR2(255)
6	WATERSHED_CODE Watershed code. Non-validated.	NULL	VARCHAR2(10)
7	RETIREMENT_DATE The date the special access road linear was retired	NULL	DATE
12	AMENDMENT_ID The amendment id for the instance	NULL	NUMBER(5)
13	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the SECTION_ID.	NULL	VARCHAR2(20)
14	GEOMETRY Geometry of the feature	NULL	
15	FEATURE_LENGTH Spatial feature length in metres. This value is calculated.	NULL	NUMBER(11,4)
16	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
17	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
18	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NULL	VARCHAR2(6)
19	ADMIN_DISTRICT_NAME The name of the administrative district associated with this feature.	NULL	VARCHAR2(100)
20	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
21	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_SPEC_ACCESS_RD_POLY_SVW**Description:**

The spatial representation of the polygonal geometry for FSR Dedications and FSR Gravel Pits.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	DEDICATION_PLAN_ID Plan number for dedications.	NULL	VARCHAR2(30)
3	GRAVEL_PIT_NUMBER Unique identifier for a gravel pit within a file.	NULL	NUMBER(4)
4	ROAD_NAME_LEGAL The legal road name	NULL	VARCHAR2(50)
5	ROAD_NAME_COMMON The common road name	NULL	VARCHAR2(50)
6	COMMENTS Comments about the road.	NULL	VARCHAR2(255)
7	WATERSHED_CODE Watershed code. Non-validated.	NULL	VARCHAR2(10)
8	RETIREMENT_DATE date of special access road polygon feature retirement	NULL	DATE
9	AMENDMENT_ID The amendment id for the instance	NULL	NUMBER(5)
10	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and DEDICATION_PLAN_ID or GP_NUMBER.	NULL	VARCHAR2(51)
11	GEOMETRY Geometry of the feature	NULL	
12	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
13	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
14	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
15	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
16	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NULL	VARCHAR2(6)
17	ADMIN_DISTRICT_NAME The name of the administrative district associated with this feature.	NULL	VARCHAR2(100)
18	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
19	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_SPEC_USE_PERMIT_POLY_SVW**Description:**

A spatial representation for non-road special use permits.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	SPECIAL_USE_CODE The special use permit special use code.	NULL	VARCHAR2(2)
3	SPECIAL_USE_DESCRIPTION The special use permit special use code.	NULL	VARCHAR2(120)
4	PERMIT_BLOCK_AREA Area defined by the permit block of a cutting permit. The sum of the permit block areas will be the total area for the cutting permit.	NULL	NUMBER(11,4)
5	RETIREMENT_DATE The date the road section was retired from the spatial conflict layer.	NULL	DATE
6	AMENDMENT_ID The amendment id of this instance.	NULL	NUMBER(5)
7	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID.	NULL	VARCHAR2(10)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
10	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
11	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
12	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
13	ADMIN_DISTRICT_CODE The code of the administrative district associated with this feature.	NULL	VARCHAR2(6)
14	ADMIN_DISTRICT_NAME The code of the administrative district associated with this feature.	NULL	VARCHAR2(100)
15	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
16	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI Project.

Table: FTEN_TIMBER_LICENCE_POLY**Description:**

A spatial representation of the Map Blocks for Timber Licences.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 20	MAP_BLOCK_ID Identifier for a Timber Licence Map Block.	NOT NULL	VARCHAR2(10)
25	CLIENT_NUMBER Sequentially assigned number to identify a ministry client. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(8)
27	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(2)
30	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(91)
35	BLOCK_GROSS_HA Initial total area of the block, in hectares.	NULL	NUMBER(11,4)
40	BLOCK_ELIMINATED_HA Area eliminated from the block, in hectares. This area has been harvested and has reverted to the Crown.	NULL	NUMBER(11,4)
50	BLOCK_NET_HA The area under the block, in hectares. This area has yet to be harvested and has not reverted to the Crown. This is the Gross Area plus the Eliminated Area.	NULL	NUMBER(11,4)
60	RETIREMENT_DATE The date and time the spatial feature was retired.	NULL	DATE
70	AMENDMENT_ID The amendment id of the instance.	NOT NULL	NUMBER(5)
80	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the MAP_BLOCK_ID.	NOT NULL	VARCHAR2(21)
90	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
100	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
110	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
120	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
130	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
140	EFFECTIVE_DATE Date that the Timber Licence is legally effective.	NULL	DATE
150	EXPIRY_DATE Date that the Timber Licence legally expires.	NULL	DATE
160	REGION_CODE The code of the region associated with this feature.	NOT NULL	VARCHAR2(6)
170	REGION_NAME The name of the region associated with this feature.	NOT NULL	VARCHAR2(100)
* 180	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
190	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a	NOT NULL	INTEGER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	geodatabase.		
200	CHANGE_TIMESTAMP1 The date and time the value in table TL_BLOCK_AREA was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
210	CHANGE_TIMESTAMP2 The date and time the value in table TIMBER_LIC_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
220	CHANGE_TIMESTAMP3 The date and time the value in table TENURE_APPLICATION_MAP_FEATURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
230	CHANGE_TIMESTAMP4 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_TLP_OBJECTID_UK
OBJECTID

Indexes:

FTEN_TLP_CLIENT_I
CLIENT_NUMBER
CLIENT_LOCATION_CODE

Notes:

TPM 2008-07-03 Updated the view definition.

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT tba.forest_file_id,
       tba.tl_block_id map_block_id,
       ffc.client_number,
       ffc.client_locn_code client_location_code,
       CASE
         WHEN FC.CLIENT_TYPE_CODE = 'I' THEN
           FC.LEGAL_FIRST_NAME || ' ' || FC.CLIENT_NAME
         ELSE
           FC.CLIENT_NAME
       END client_name,
       tba.tl_block_gross_ha block_gross_ha,
       tba.tl_block_eliminated_ha block_eliminated_ha,
       tba.tl_block_net_ha block_net_ha,
       CAST(NULL AS DATE) retirement_date,
       to_number(tlag.amendment_id) amendment_id,
       tba.forest_file_id || ' ' || tba.tl_block_id map_label,
       coalesce(tlg.geometry, tlag.geometry) geometry,
       coalesce(tlg.feature_area, tlag.feature_area)*10000 feature_area,
       coalesce(tlg.feature_perimeter, tlag.feature_perimeter)*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       tt.legal_effective_dt effective_date,
       coalesce(tt.current_expiry_dt, tt.initial_expiry_dt) expiry_date,
       ou.org_unit_code region_code,
       ou.org_unit_name region_name,
```

Table: FTEN_TIMBER_LICENCE_POLY (cont'd)*Notes:*

```

CAST(CASE
  WHEN ta.tenure_application_state_code = 'INB' THEN
    'PENDING'
  ELSE
    'ACTIVE'
  END AS VARCHAR2(10)) life_cycle_status_code,
coalesce(tlg.map_feature_id,tlag.map_feature_id) objectid,
tba.update_timestamp change_timestamp1,
coalesce(tlg.update_timestamp,tlag.update_timesta
mp) change_timestamp2,
ta.update_timestamp change_timestamp3,
ou.update_timestamp change_timestamp4
FROM tl_block_area tba
JOIN timber_lic_amend_geom tlag ON tba.forest_file_id = tlag.forest_file_id AND
      tba.tl_block_id = tlag.tl_block_id
LEFT JOIN timber_lic_geom tlg ON tlag.map_feature_id = tlg.map_feature_id
JOIN forest_file_client ffc ON ffc.forest_file_id = tba.forest_file_id AND
      ffc.forest_file_client_type_code = 'A'
JOIN forest_client fc ON fc.client_number = ffc.client_number
JOIN tenure_application_map_feature tamf ON tlag.map_feature_id = tamf.map_feature_id
JOIN tenure_application ta ON tamf.tenure_app_id = ta.tenure_app_id
JOIN prov_forest_use pfu ON tba.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
JOIN tenure_term tt on tba.forest_file_id = tt.forest_file_id
WHERE ta.tenure_application_state_code = 'INB' OR
      (ta.tenure_application_state_code IN ('APP', 'RET') AND tlg.forest_file_id IS NOT NULL)

```

Table: FTEN_TIMBER_LICENCE_POLY_SVW**Description:**

A spatial representation of the Map Blocks for Timber Licences.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	MAP_BLOCK_ID Identifier for a Timber Licence Map Block.	NULL	VARCHAR2(10)
3	CLIENT_NUMBER Sequentially assigned number to identify a ministry client. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(8)
4	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(2)
5	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(91)
6	BLOCK_GROSS_HA Initial total area of the block, in hectares.	NULL	NUMBER(11,4)
7	BLOCK_ELIMINATED_HA Area eliminated from the block, in hectares. This area has been harvested and has reverted to the Crown.	NULL	NUMBER(11,4)
8	BLOCK_NET_HA Area eliminated from the block, in hectares. This area has been harvested and has reverted to the Crown.	NULL	NUMBER(11,4)
10	RETIREMENT_DATE The date and time the spatial feature was retired.	NULL	DATE
11	AMENDMENT_ID The amendment id of the instance.	NULL	NUMBER(5)
12	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the MAP_BLOCK_ID.	NULL	VARCHAR2(21)
17	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
18	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
19	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
20	FEATURE_CLASS_SKEY Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(10)
21	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
22	REGION_CODE The code of the region associated with this feature.	NULL	VARCHAR2(6)
32	REGION_NAME The name of the region associated with this feature.	NULL	VARCHAR2(100)
42	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
52	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI Project.

Table: FTEN_TIMBER_SALE_POLYGONS*Description:*

The spatial representation for an FTA Timber Sale Licence area, which defines the legal boundary in which harvesting is authorized under the Timber Sale Licence. The file types stored in this layer include B20, B21,B23, A20, A21, A23.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
* 2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
3	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
4	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
5	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
6	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
7	CREATION_DATE	NULL	DATE
8	GML_MID	NULL	NUMBER
9	LAST_UPDATED_DATE	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	CODESPACE	NULL	VARCHAR2(255)
12	FEATURE_CODE A unique feature code	NULL	VARCHAR2(255)
13	GML_FID	NULL	NUMBER
14	GML_ID	NULL	VARCHAR2(255)
15	SOURCE_DATA_SET	NULL	VARCHAR2(255)
16	GML_DESCRIPTION	NULL	VARCHAR2(2000)
17	SOURCE_TILE	NULL	VARCHAR2(255)
18	GML_NAME	NULL	VARCHAR2(255)
19	FILE_TYPE_CD The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
20	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
21	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
22	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
23	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
24	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
25	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
26	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
27	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
28	CHANGE_TIMESTAMP1 The date and time the value in table 'harvesting_authority' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
29	CHANGE_TIMESTAMP2 The date and time the value in table 'harvesting_authority_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
30	CHANGE_TIMESTAMP3 The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
31	CHANGE_TIMESTAMP4 The date and time the value in table 'tenure_application' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
32	CHANGE_TIMESTAMP5 The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
33	CHANGE_TIMESTAMP6 The date and time the value in table 'harvest_authority_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
34	CHANGE_TIMESTAMP7 The date and time the value in table 'harvest_authority_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
35	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	NUMBER

Unique Constraints:

FTSP_TSALE_UK
APPLICATION_STATUS_CODE
FOREST_FILE_ID

Foreign Keys:

FTSP_ASC_FK
APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
FTSP_CFE_FK
FEATURE_CLASS_SKEY = CORP_FEATURE_CLASSES.FEATURE_CLASS_SKEY
FTSP_CMC_FK
CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
FTSP_DSC_FK
DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE
FTSP_PFU_FK
FOREST_FILE_ID = FTEN_PROV_FOREST_USE.FOREST_FILE_ID
FTSP_TAMF_FK
MAP_FEATURE_ID = FTEN_TENURE_APPLICA_MAP_FEATUR.MAP_FEATURE_ID

Indexes:

FTSP_ASC_FK
APPLICATION_STATUS_CODE
FTSP_CFE_FK
FEATURE_CLASS_SKEY
FTSP_CMC_FK
CAPTURE_METHOD_CODE
FTSP_DSC_FK
DATA_SOURCE_CODE
FTSP_PFU_FK
FOREST_FILE_ID

Table: FTEN_TIMBER_USE_POLYGONS*Description:*

The spatial representation for the legal boundaries for forest act tenures and permits that pertain to forest use.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
* 2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
3	MAP_BLOCK_ID Identifier for a Timber Licence Block	NULL	VARCHAR2(10)
4	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
5	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
6	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
7	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NULL	
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
12	ENTRY_USERID The unique user id of the resource who initially added the entry.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP Timestamp when the event information was entered.	NOT NULL	DATE
14	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
16	REVISION_COUNT A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.	NOT NULL	NUMBER(5)
17	CODESPACE	NULL	VARCHAR2(255)
18	FEATURE_CODE A unique feature code	NULL	VARCHAR2(255)
19	GML_FID	NULL	NUMBER
20	GML_ID	NULL	VARCHAR2(255)
21	SOURCE_DATA_SET	NULL	VARCHAR2(255)
22	GML_DESCRIPTION	NULL	VARCHAR2(2000)
23	SOURCE_TILE	NULL	VARCHAR2(255)
24	GML_NAME	NULL	VARCHAR2(255)
25	FILE_TYPE_CD The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
26	CREATION_DATE	NULL	DATE
27	GML_MID	NULL	NUMBER
28	LAST_UPDATED_DATE	NULL	DATE
29	CHANGE_TIMESTAMP1 The date and time the value in table 'harvest_authority' was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
30	CHANGE_TIMESTAMP2 The date and time the value in table 'harvest_authority_geom' was last modified. This column exists solely	NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	for the purpose of supporting replication from the source database.		
31	CHANGE_TIMESTAMP3	NOT NULL	DATE
	The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
32	CHANGE_TIMESTAMP4	NOT NULL	DATE
	The date and time the value in table 'tenure_application' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
33	CHANGE_TIMESTAMP5	NOT NULL	DATE
	The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
34	CHANGE_TIMESTAMP6	NULL	DATE
	The date and time the value in table 'harvest_authority_amend' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
35	CHANGE_TIMESTAMP7	NULL	DATE
	The date and time the value in table 'harvest_authority_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
36	CHANGE_TIMESTAMP8	NULL	DATE
	The date and time the value in table 'special_use_permit' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
37	CHANGE_TIMESTAMP9	NULL	DATE
	The date and time the value in table 'land_use_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
38	CHANGE_TIMESTAMP10	NULL	DATE
	The date and time the value in table 'land_use_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
39	CHANGE_TIMESTAMP11	NULL	DATE
	The date and time the value in table 'tl_block_area' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
40	CHANGE_TIMESTAMP12	NULL	DATE
	The date and time the value in table 'timber_lic_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
41	CHANGE_TIMESTAMP13	NULL	DATE
	The date and time the value in table 'tl_block_area_amend' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
42	CHANGE_TIMESTAMP14	NULL	DATE
	The date and time the value in table 'timber_lic_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
43	OBJECTID	NULL	NUMBER
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		

Foreign Keys:

FTUP_ASC_FK
 APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
 FTUP_CMC_FK
 CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
 FTUP_DSC_FK
 DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE
 FTUP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY = CORP_FEATURE_CLASSES.FEATURE_CLASS_SKEY
 FTUP_PFU_FK
 FOREST_FILE_ID = FTEN_PROV_FOREST_USE.FOREST_FILE_ID
 FTUP_TAMF_FK
 MAP_FEATURE_ID = FTEN_TENURE_APPLICA_MAP_FEATUR.MAP_FEATURE_ID

Indexes:

Table: FTEN_TIMBER_USE_POLYGONS (cont'd)*Indexes:*

FTUP_ASC_FK
APPLICATION_STATUS_CODE
FTUP_CMC_FK
CAPTURE_METHOD_CODE
FTUP_DSC_FK
DATA_SOURCE_CODE
FTUP_FEAT_CLS_FK
FEATURE_CLASS_SKEY
FTUP_PFU_FK
FOREST_FILE_ID

Table: FTEN_TIMBER_USE_POLYGONS_SVW*Description:*

The spatial representation for the legal boundaries for forest act tenures and permits that pertain to forest use.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	MAP_FEATURE_ID A unique value identifying the instance of the feature	NOT NULL	NUMBER(10)
2	APPLICATION_STATUS_CODE Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.	NOT NULL	VARCHAR2(10)
3	MAP_BLOCK_ID Identifier for a Timber Licence Block	NULL	VARCHAR2(10)
4	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
5	DATA_SOURCE_CODE A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).	NULL	VARCHAR2(10)
6	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
7	CAPTURE_METHOD_CODE A code defining the capture method. (e.g. digitize).	NULL	VARCHAR2(30)
8	GEOMETRY An area-based spatial feature representing the tenure boundary.	NOT NULL	
9	OBSERVATION_DATE Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.	NULL	DATE
10	RETIREMENT_DATE Metadata indicating when a feature was retired.	NULL	DATE
11	DATA_QUALITY_COMMENT Metadata user defined comment about the spatial data.	NULL	VARCHAR2(255)
12	UPDATE_USERID The unique id of the user who last modified this entry.	NOT NULL	VARCHAR2(30)
13	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE
14	FILE_TYPE_CODE The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NULL	VARCHAR2(3)
15	OBJECTID a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
16	FILE_CLIENT_TYPE Indicates the type of relationship the client has to the file.	NOT NULL	VARCHAR2(1)
17	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
18	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal surname if an Individual.	NOT NULL	VARCHAR2(60)
19	CLIENT_STATUS_CODE A code to indicate the current legal, corporate, or financial status of a client. For example, 'ACTIVE', 'BANKRUPT', 'IN RECEIVERSHIP', 'DECEASED', etc.	NOT NULL	VARCHAR2(3)
20	CLIENT_TYPE_CODE This code represents the nature of the legal entity that is a Client of the Ministry, for example, a Corporation, Individual, Joint Venture between Clients, Partnership, etc.	NOT NULL	VARCHAR2(1)

Table: FTEN_TL_ELIMINATION_POLY**Description:**

The spatial representation for the areas that have been eliminated from a timber licence.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	MAP_BLOCK_ID Identifier for a Timber Licence Map Block.	NOT NULL	VARCHAR2(10)
7	CLIENT_NUMBER Sequentially assigned number to identify a ministry client. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(8)
12	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(2)
17	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual. <i>TPM 2008-07-03. Added as part of BVI CR001.</i>	NOT NULL	VARCHAR2(91)
18	BLOCK_GROSS_HA Initial total area of the block, in hectares.	NULL	NUMBER(11,4)
19	BLOCK_ELIMINATED_HA Area eliminated from the block, in hectares. This area has been harvested and has reverted to the Crown.	NULL	NUMBER(11,4)
20	BLOCK_NET_HA The area under the block, in hectares. This area has yet to be harvested and has not reverted to the Crown. This is the Gross Area plus the Eliminated Area.	NULL	NUMBER(11,4)
21	RETIREMENT_DATE The date and time the spatial feature was retired.	NULL	DATE
22	AMENDMENT_ID The amendment id of the instance.	NOT NULL	NUMBER(5)
23	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the MAP_BLOCK_ID.	NOT NULL	VARCHAR2(21)
24	GEOMETRY The geometry of the area-based spatial feature.	NULL	
25	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
26	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
27	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
28	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
29	REGION_CODE The code of the region associated with this feature.	NOT NULL	VARCHAR2(6)
30	REGION_NAME The name of the region associated with this feature.	NOT NULL	VARCHAR2(100)
* 31	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NOT NULL	VARCHAR2(10)
32	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
33	CHANGE_TIMESTAMP1 The date and time the value in table TL_BLOCK_AREA was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
34	CHANGE_TIMESTAMP2 The date and time the value in table TIMBER_LIC_ELIM_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
35	CHANGE_TIMESTAMP3 The date and time the value in table TENURE_APPLICATION_MAP_FEATURE was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
36	CHANGE_TIMESTAMP4 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_TLE_OBJECTID_UK
OBJECTID

Indexes:

FTEN_TLE_CLIENT_I
CLIENT_NUMBER
CLIENT_LOCATION_CODE

Notes:

TPM 2008-07-03. Update the view definition.

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

```
SELECT tba.forest_file_id,
       tba.tl_block_id map_block_id,
       ffc.client_number,
       ffc.client_locn_code client_location_code,
       CASE
         WHEN FC.CLIENT_TYPE_CODE = 'I' THEN
           FC.LEGAL_FIRST_NAME || ' ' || FC.CLIENT_NAME
         ELSE
           FC.CLIENT_NAME
       END client_name,
       tba.tl_block_gross_ha block_gross_ha,
       tba.tl_block_elim_ha block_eliminated_ha,
       tba.tl_block_net_ha block_net_ha,
       CAST(NULL AS DATE) retirement_date,
       to_number(tleag.amendment_id) amendment_id,
       tba.forest_file_id || ' ' || tba.tl_block_id map_label,
       coalesce(tleg.geometry, tleag.geometry) geometry,
       coalesce(tleg.feature_area, tleag.feature_area)*10000 feature_area,
       coalesce(tleg.feature_perimeter, tleag.feature_perimeter)*1000 feature_perimeter,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code region_code,
       ou.org_unit_name region_name,
       CAST(CASE
         WHEN ta.tenure_application_state_code = 'INB' THEN
           'PENDING'
         ELSE
           'ACTIVE'
       END AS VARCHAR2(10)) life_cycle_status_code,
```

Table: FTEN_TL_ELIMINATION_POLY (cont'd)*Notes:*

```

coalesce(tleg.map_feature_id,tleag.map_feature_id) objectid,
tba.update_timestamp change_timestamp1,
coalesce(tleg.update_timestamp,tleag.update_timestamp) change_timestamp2,
ta.update_timestamp change_timestamp3,
ou.update_timestamp change_timestamp4

```

```

FROM tl_block_area tba
JOIN timber_lic_elim_amend_geom tleag ON tba.forest_file_id = tleag.forest_file_id AND
      tba.tl_block_id = tleag.tl_block_id
LEFT JOIN timber_lic_elim_geom tleg ON tleag.map_feature_id = tleg.map_feature_id
JOIN forest_file_client ffc ON ffc.forest_file_id = tba.forest_file_id AND
      ffc.forest_file_client_type_code = 'A'
JOIN forest_client fc ON fc.client_number = ffc.client_number
JOIN tenure_application_map_feature tamf ON tleag.map_feature_id = tamf.map_feature_id
JOIN tenure_application ta ON tamf.tenure_app_id = ta.tenure_app_id
JOIN prov_forest_use pfu ON tba.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no
WHERE ta.tenure_application_state_code IN ('INB') OR
      (ta.tenure_application_state_code IN ('APP', 'RET') AND tleg.forest_file_id IS NOT NULL)

```

Table: FTEN_TL_ELIMINATION_POLYGONS**Description:**

The spatial representation for the areas that have been eliminated from a timber licence.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_FEATURE_ID	NOT NULL	NUMBER(10)
	A unique value identifying the instance of the feature		
* 2	APPLICATION_STATUS_CODE	NOT NULL	VARCHAR2(10)
	Defines the status of an application. one of: 'A'pproved or 'P'ending. This already exists in the warehouse as part of the FTA replication project.		
3	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.		
4	DATA_SOURCE_CODE	NULL	VARCHAR2(10)
	A code defining the source of the spatial feature (e.g. TRIM, SAT, CDMS).		
5	CAPTURE_METHOD_CODE	NULL	VARCHAR2(30)
	A code defining the capture method. (e.g. digitize).		
6	FEATURE_CLASS_SKEY	NULL	NUMBER(10)
	Unique identifier for a spatial feature class.		
7	DATA_QUALITY_COMMENT	NULL	VARCHAR2(255)
	Metadata user defined comment about the spatial data.		
8	FILE_TYPE_CD	NULL	VARCHAR2(3)
	The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.		
9	MAP_BLOCK_ID	NOT NULL	VARCHAR2(10)
	A unique identifier to a version of a map object. This is very similar to the feature ID in INCOSADA except it was universally unique. If a new version of a cut block came in it would be assigned a new identifier.		
10	CREATION_DATE	NULL	DATE
11	GML_MID	NULL	NUMBER
12	LAST_UPDATED_DATE	NULL	DATE
13	RETIREMENT_DATE	NULL	DATE
	Metadata indicating when a feature was retired.		
14	GEOMETRY	NULL	
	An area-based spatial feature representing the tenure boundary.		
15	OBSERVATION_DATE	NULL	DATE
	Metadata indicating the date the observation was made. Particularly useful for data sources such as aerial photography.		
16	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The unique user id of the resource who initially added the entry.		
17	ENTRY_TIMESTAMP	NOT NULL	DATE
	Timestamp when the event information was entered.		
18	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The unique id of the user who last modified this entry.		
19	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the value was last modified.		
20	REVISION_COUNT	NOT NULL	NUMBER(5)
	A count of the number of times an entry in the entity has been modified. Used to validate if the current information displayed on a user's web browser is the most current.		
21	CODESPACE	NULL	VARCHAR2(255)
22	FEATURE_CODE	NULL	VARCHAR2(255)
	A unique feature code		
23	GML_FID	NULL	NUMBER
24	GML_ID	NULL	VARCHAR2(255)
25	SOURCE_DATA_SET	NULL	VARCHAR2(255)
26	GML_DESCRIPTION	NULL	VARCHAR2(2000)
27	SOURCE_TILE	NULL	VARCHAR2(255)
28	GML_NAME	NULL	VARCHAR2(255)
29	CHANGE_TIMESTAMP1	NULL	DATE
	The date and time the value in table 'tl_block_area' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
30	CHANGE_TIMESTAMP2	NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The date and time the value in table 'timber_lic_elim_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
31	CHANGE_TIMESTAMP3	NOT NULL	DATE
	The date and time the value in table 'tenure_application' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
32	CHANGE_TIMESTAMP4	NOT NULL	DATE
	The date and time the value in table 'tenure_application_map_feature' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
33	CHANGE_TIMESTAMP5	NOT NULL	DATE
	The date and time the value in table 'prov_forest_use' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
34	CHANGE_TIMESTAMP6	NULL	DATE
	The date and time the value in table 'tl_block_area_amend' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
35	CHANGE_TIMESTAMP7	NULL	DATE
	The date and time the value in table 'timber_lic_elim_amend_geom' was last modified. This column exists solely for the purpose of supporting replication from the source database.		
36	OBJECTID	NULL	NUMBER
	a required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.		

Unique Constraints:

FTEP_TUSE_UK
 APPLICATION_STATUS_CODE
 FOREST_FILE_ID
 MAP_BLOCK_ID

Foreign Keys:

FTEP_ASC_FK
 APPLICATION_STATUS_CODE = CORP_APPLICATION_STATUS_CODE.APPLICATION_STATUS_CODE
 FTEP_CMC_FK
 CAPTURE_METHOD_CODE = CORP_CAPTURE_METHOD_CODE.CAPTURE_METHOD_CODE
 FTEP_DSC_FK
 DATA_SOURCE_CODE = CORP_DATA_SOURCE_CODE.DATA_SOURCE_CODE
 FTEP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY = CORP_FEATURE_CLASSES.FEATURE_CLASS_SKEY
 FTEP_PFU_FK
 FOREST_FILE_ID = FTEN_PROV_FOREST_USE.FOREST_FILE_ID
 FTEP_TAMF_FK
 MAP_FEATURE_ID = FTEN_TENURE_APPLICA_MAP_FEATUR.MAP_FEATURE_ID

Indexes:

FTEP_ASC_FK
 APPLICATION_STATUS_CODE
 FTEP_CMC_FK
 CAPTURE_METHOD_CODE
 FTEP_DSC_FK
 DATA_SOURCE_CODE
 FTEP_FEAT_CLS_FK
 FEATURE_CLASS_SKEY
 FTEP_PFU_FK
 FOREST_FILE_ID

Table: FTEN_TL_ELIMINATION_POLY_SVW**Description:**

The spatial representation for the areas that have been eliminated from a timber licence.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NULL	VARCHAR2(10)
2	MAP_BLOCK_ID Identifier for a Timber Licence Map Block.	NULL	VARCHAR2(10)
3	CLIENT_NUMBER Sequentially assigned number to identify a ministry client. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(8)
4	CLIENT_LOCATION_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(2)
5	CLIENT_NAME The name of the Ministry Client - Company or Individual. Entered as: the full corporate name if a Corporation; the full registered name if a Partnership; the legal name if an Individual. <i>TPM 2008-07-04 Added column as part of BVI CR001.</i>	NOT NULL	VARCHAR2(91)
6	BLOCK_GROSS_HA Initial total area of the block, in hectares.	NULL	NUMBER(11,4)
7	BLOCK_ELIMINATED_HA Area eliminated from the block, in hectares. This area has been harvested and has reverted to the Crown.	NULL	NUMBER(11,4)
8	BLOCK_NET_HA The area under the block, in hectares. This area has yet to be harvested and has not reverted to the Crown. This is the Gross Area plus the Eliminated Area.	NULL	NUMBER(11,4)
10	RETIREMENT_DATE The date and time the spatial feature was retired.	NULL	DATE
11	AMENDMENT_ID The amendment id of the instance.	NULL	NUMBER(5)
12	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the MAP_BLOCK_ID.	NULL	VARCHAR2(21)
17	GEOMETRY The geometry of the area-based spatial feature.	NULL	
18	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
19	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
20	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
21	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
22	REGION_CODE The code of the region associated with this feature.	NULL	VARCHAR2(6)
32	REGION_NAME The name of the region associated with this feature.	NULL	VARCHAR2(100)
42	LIFE_CYCLE_STATUS_CODE The life cycle state of the item. One of Pending, Active or Retired.	NULL	VARCHAR2(10)
52	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI project.

Table: FTEN_TL_REMAINING_POLY**Description:**

A spatial representation of the Map Blocks for Timber Licences after the elimination for that Map Block (if one exists) has been removed from the Map Block. Only active Map Blocks are included in this view.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	MAP_BLOCK_ID Identifier for a Timber Licence Map Block.	NOT NULL	VARCHAR2(10)
3	BLOCK_NET_HA The area under the block, in hectares. This area has yet to be harvested and has not reverted to the Crown.	NULL	NUMBER(11,4)
4	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the MAP_BLOCK_ID.	NOT NULL	VARCHAR2(21)
5	GEOMETRY The geometry of this area-based spatial feature.	NULL	
6	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
7	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
8	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NOT NULL	NUMBER(10)
9	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
10	REGION_CODE The code of the region associated with this feature.	NOT NULL	VARCHAR2(6)
11	REGION_NAME The name of the region associated with this feature.	NOT NULL	VARCHAR2(100)
12	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NOT NULL	INTEGER
13	CHANGE_TIMESTAMP1 The date and time the value in table TL_BLOCK_AREA was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
14	CHANGE_TIMESTAMP2 The date and time the value in table TIMBER_LIC_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE
15	CHANGE_TIMESTAMP3 The date and time the value in table TIMBER_LIC_ELIM_GEOM was last modified. This column exists solely for the purpose of supporting replication from the source database.	NULL	DATE
16	CHANGE_TIMESTAMP4 The date and time the value in table ORG_UNIT was last modified. This column exists solely for the purpose of supporting replication from the source database.	NOT NULL	DATE

Unique Constraints:

FTEN_TRP_OBJECTID_UK
OBJECTID

Notes:

2007-12-05. This table should really be a materialized view, but due to limitations in Oracle Replication for Spatial tables (as of 10gR2), it is a table instead. The data is retrieved from a view on the source system and is replicated to the table using the SDR (Spatial Data Replication) tool.

The select statement for the view looks like:

Table: FTEN_TL_REMAINING_POLY (cont'd)*Notes:*

```

SELECT tba.forest_file_id,
       tba.tl_block_id map_block_id,
       tba.tl_block_net_ha block_net_ha,
       tba.forest_file_id || ' ' || tba.tl_block_id map_label,
       sdo_geom.sdo_difference(tlg.geometry, tleg.geometry, .0005) geometry,
       sdo_geom.sdo_area(sdo_geom.sdo_difference(tlg.geometry, tleg.geometry, .0005), .0005) feature_area,
       sdo_geom.sdo_length(sdo_geom.sdo_difference(tlg.geometry, tleg.geometry, .0005), .0005) feature_length,
       tamf.feature_class_skey,
       pfu.file_status_st file_status_code,
       ou.org_unit_code region_code,
       ou.org_unit_name region_name,
       tlg.map_feature_id object_id,
       tba.update_timestamp change_timestamp1,
       tlg.update_timestamp change_timestamp2,
       tleg.update_timestamp change_timestamp3,
       ou.update_timestamp change_timestamp4
FROM tl_block_area tba
JOIN timber_lic_geom tlg ON tba.forest_file_id = tlg.forest_file_id AND
                        tba.tl_block_id = tlg.tl_block_id
JOIN tenure_application_map_feature tamf ON tlg.map_feature_id = tamf.map_feature_id
JOIN tenure_application ta ON tamf.tenure_app_id = ta.tenure_app_id AND
                        ta.tenure_application_state_code = 'APP'
LEFT JOIN timber_lic_elim_geom tleg ON tba.forest_file_id = tleg.forest_file_id AND
                        tba.tl_block_id = tleg.tl_block_id
LEFT JOIN tenure_application_map_feature tamf2 ON tleg.map_feature_id = tamf2.map_feature_id
LEFT JOIN tenure_application ta2 ON tamf2.tenure_app_id = ta2.tenure_app
_id AND
                        ta2.tenure_application_state_code = 'APP'
JOIN prov_forest_use pfu ON tba.forest_file_id = pfu.forest_file_id
JOIN org_unit ou ON pfu.forest_region = ou.org_unit_no

```

Table: FTEN_TL_REMAINING_POLY_SVW**Description:**

A spatial representation of the Map Blocks for Timber Licences after the elimination for that Map Block (if one exists) has been removed from the Map Block. Only active Map Blocks are included in this view.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
2	MAP_BLOCK_ID Identifier for a Timber Licence Map Block.	NOT NULL	VARCHAR2(10)
3	BLOCK_NET_HA The area under the block, in hectares. This area has yet to be harvested and has not reverted to the Crown.	NULL	NUMBER(11,4)
4	MAP_LABEL The default label to be used when displaying the feature on a map. Consists of the FOREST_FILE_ID and the MAP_BLOCK_ID.	NULL	VARCHAR2(21)
5	GEOMETRY The geometry of this area-based spatial feature.	NULL	
6	FEATURE_AREA Spatial feature area in square metres. This value is calculated.	NULL	NUMBER(15,4)
7	FEATURE_PERIMETER Spatial perimeter length in metres. This value is calculated.	NULL	NUMBER(12,4)
8	FEATURE_CLASS_SKEY Unique identifier for a spatial feature class.	NULL	NUMBER(10)
9	FILE_STATUS_CODE The current status of the forest land use, eg., Pending - Planned, Harvesting - Suspended, Active. This is a subset of Timber_Status_Code.	NULL	VARCHAR2(3)
10	REGION_CODE The code of the region associated with this feature.	NULL	VARCHAR2(6)
11	REGION_NAME The name of the region associated with this feature.	NULL	VARCHAR2(100)
12	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase.	NULL	INTEGER

Notes:

11-01-2008 DH - Created for the FTA piece of the BVI Project.