Table and Column Definitions Report

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Parameters

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Container:	FOREST HEALTH
Table / View / Materialized View:	%
Include Tables?	Y
Include Views?	Y
Include Materialized Views?	Y
Data Structure Diagram:	SMD FOREST HEALTH
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: CORP_ORG_UNIT

Description:

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

Columns:

Seq.	Column	Nulls?	Type
* 1	ORG_UNIT_NO	NOT NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests'' offices. Values stored here are for the computer''s use only, and are not to be used by people as "ministry codes".		
2	ORG_UNIT_CODE	NOT NULL	VARCHAR2(18)
	Identifies any office within the ministry		
3	ORG_UNIT_NAME	NOT NULL	VARCHAR2(300)
	The name or title of a ministry office or section		
4	LOCATION_CODE	NOT NULL	VARCHAR2(9)
	Unique identifier for one of the office locations within the Ministry of Forests.		
5	AREA_CODE	NOT NULL	VARCHAR2(9)
	The 3 digit numer that identifies each telephone service area in a country.		
6	TELEPHONE_NO	NOT NULL	VARCHAR2(21)
	The general office telephone number (excluding the area code) for a Ministry of Forests office.		
7	ORG_LEVEL_CODE	NOT NULL	VARCHAR2(3)
	Represents the organizational level of the Ministry, and is one of:		
8	OFFICE_NAME_CODE	NOT NULL	VARCHAR2(6)
	Represents an office within a specific organizational level.		
9	ROLLUP_REGION_NO	NOT NULL	NUMBER(10)
	Identifier designating the region to which the org unit is rolled into for reporting purposes. Values stored here are for the computers use only, and are not to be used by people as ''Ministry Codes''.		
10	ROLLUP_REGION_CODE	NOT NULL	VARCHAR2(18)
	Identifier designating the region to which the org unit is rolled into for reporting purposes.		
11	ROLLUP_DIST_NO	NOT NULL	NUMBER(10)
	Identifier designating the region to which the org unit is rolled into for reporting purposes.		
12	ROLLUP_DIST_CODE	NOT NULL	VARCHAR2(18)
	Identifier designating the district to which the org unit is rolled into for reporting purposes.		
13	EFFECTIVE_DATE	NOT NULL	DATE
	The date the Organizational Unit became effective as a valid Org Unit within the ministry''s organizational structure.		
14	EXPIRY_DATE	NOT NULL	DATE
	The date the Organizational Unit is Obsoleted and is no longer an active Org Unit within the ministrys organizational structure.		
15	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last modification.		

Table: PEST_CAPTURE_METHOD_CODE

Description:

PEST CAPTURE METHOD stores the data capture methods.

Columns:

Seq.	Column	Nulls?	Type
* 1	PEST_CAPTURE_METHOD_CODE The code for capture method	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The data capture method must be one of: orthoPhotography, differentialGPS, unknown, nondifferentialGPS, satelliteImagery, rubberSheeting, scanning, photogrammetric, coordinateGeometryWithControl, monoRestitution, tableDigitizing, aerialOverview, detailsketchMap, detailGPSMapping. These values are case sensitive.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Effective date	NOT NULL	DATE
4	UPDATE_TIMESTAMP Update Timestamp	NOT NULL	DATE
5	EXPIRY_DATE Expiry Date	NOT NULL	DATE

Table: PEST_CAPTURE_SEVERITY_XREF

Description:

Cross-referencing table between PEST_SEVERITY_CODE and PEST_CAPTURE_METHOD_CODE

Columns:

Seq.	Column	Nulls?	Type
* 1	PEST_CAPTURE_METHOD_CODE The code for capture method	NOT NULL	VARCHAR2(3)
* 2	PEST_SEVERITY_CODE The acronym used to identify severity name. i.e. (L)ight, (M)oderate, (S)evere.	NOT NULL	VARCHAR2(3)
3	EXPIRY_DATE Expiry Date	NOT NULL	DATE
4	EFFECTIVE_DATE Effective Date	NOT NULL	DATE

Foreign Keys:

PCSX_PCM_FK
PEST_CAPTURE_METHOD_CODE = PEST_CAPTURE_METHOD_CODE.PEST_CAPTURE_METHOD_CODE
PCSX_PSC_FK
PEST_SEVERITY_CODE = PEST_SEVERITY_CODE.PEST_SEVERITY_CODE

Indexes:

PCSX_PCM_FK_I
PEST_CAPTURE_METHOD_CODE
PCSX_PSC_FK_I
PEST_SEVERITY_CODE

Table: PEST_DESCRIPTION

Description:

PEST_DESCRIPTION contains description about a particular pest.

Columns:

Seq.	Column	Nulls?	Type
* 1	PEST_SPECIES_CODE	NOT NULL	VARCHAR2(3)
	The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).		
2	SCIENTIFIC_NAME	NULL	VARCHAR2(255)
	The scientific name for the disease.		
3	SIMILAR_DAMAGE	NULL	VARCHAR2(4000)
	Similar damage that may be mistakenly associated with this pest.		
4	RANGE	NULL	VARCHAR2(4000)
	The pest's characteristics and the locations of the pest within the province.		
5	COMMON_NAME	NULL	VARCHAR2(255)
	The common name of the pest.		
6	DAMAGE	NULL	VARCHAR2(4000)
	The description of the type of damage caused by this particular pest.		
7	SYMPTOMS	NULL	VARCHAR2(4000)
	The description of the pest and/or damage symptoms.		

Foreign Keys:

PD_PSE_FK
PEST_SPECIES_CODE = PEST_SPECIES_CODE.PEST_SPECIES_CODE

Indexes:

PD_PSE_FK_I
PEST_SPECIES_CODE

Table: PEST_HAZARD_METHOD_CODE

Description:

PEST_HAZARD_METHOD store the possible methods (models) by which the hazard was assessed. It is a lookup table.

Columns:

Seq.	Column	Nulls?	Type
* 1	PEST_HAZARD_METHOD_CODE The method (model) by which the hazard was assessed.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The description of the respective Hazard Method	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Effective Date	NOT NULL	DATE
4	EXPIRY_DATE Expiry Date	NOT NULL	DATE
5	UPDATE_TIMESTAMP Update Timestamp	NOT NULL	DATE

Table: PEST_HAZARD_POLY

Description:

PEST_HAZARD_POLY represents a biohazard as an area (polygon). Feature type : polygon multipart.

Columns:

Seq.	Column	Nulls?	Type
* 1	HAZARD_POLYGON_NUMBER The unique polygon number.	NOT NULL	NUMBER(4)
2	PEST_SPECIES_CODE The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).	NOT NULL	VARCHAR2(3)
3	PEST_HAZARD_RATING_CODE A (H)igh, (M)edium, (L)ow or (N)ill rating for the hazard area (polygon).	NOT NULL	VARCHAR2(1)
4	PEST_HAZARD_METHOD_CODE The method (model) by which the hazard was assessed.	NOT NULL	VARCHAR2(3)
5	GEOMETRY Geometry is a ArcSDE spatial column	NULL	NUMBER(38)
6	CREATION_YEAR The date when the biohazard data was created.	NULL	NUMBER(4)
7	AREA_HA The area of the biohazard polygon in Hectares.	NULL	NUMBER(15,2)

Foreign Keys:

PHP1_PHM_FK
PEST_HAZARD_METHOD_CODE = PEST_HAZARD_METHOD_CODE.PEST_HAZARD_METHOD_CODE
PHP1_PHR_FK
PEST_HAZARD_RATING_CODE = PEST_HAZARD_RATING_CODE.PEST_HAZARD_RATING_CODE
PHP1_PSE_FK
PEST_SPECIES_CODE = PEST_SPECIES_CODE.PEST_SPECIES_CODE

Indexes:

PHP1_PHM_FK_I
PEST_HAZARD_METHOD_CODE
PHP1_PHR_FK_I
PEST_HAZARD_RATING_CODE
PHP1_PSE_FK_I
PEST_SPECIES_CODE

Table: PEST_HAZARD_RATING_CODE

Description:

PEST_HAZARD_RATING_CODE contains biohazard rating values assigned to a biohazard area (polygon). It is a lookup table.

Columns:

Seq.	Column	Nulls?	Type
* 1	PEST_HAZARD_RATING_CODE A (H)igh, (M)edium, (L)ow or (N)ill rating for the hazard area (polygon).	NOT NULL	VARCHAR2(1)
2	DESCRIPTION The description of the respective acronym for each hazard rating (H)igh, (M)edium, (L)ow or (N)ill for the hazard area (polygon).	NOT NULL	VARCHAR2(120)
3	EXPIRY_DATE Expriry date	NOT NULL	DATE
4	UPDATE_TIMESTAMP Update TimeStamp	NOT NULL	DATE
5	EFFECTIVE_DATE Effective Date	NOT NULL	DATE

Table: PEST_IMAGE

Description:

PEST_IMAGE contains graphical information (images) about each pest.

Columns:

Seq.	Column	Nulls?	Type
* 1	IMAGE_ID The unique ID of the image.	NOT NULL	NUMBER(5)
2	PEST_SPECIES_CODE The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).	NOT NULL	VARCHAR2(3)
3	DESCRIPTION The description of the image.	NULL	VARCHAR2(255)
4	FILENAME The name of the image file.	NULL	VARCHAR2(255)
5	SOURCE The source /author.	NULL	VARCHAR2(255)
6	TITLE The title for the image.	NULL	VARCHAR2(255)
7	LOCATION The location of the image (URL).	NULL	VARCHAR2(255)

Foreign Keys:

PI_PSE_FK
PEST_SPECIES_CODE = PEST_SPECIES_CODE.PEST_SPECIES_CODE

Indexes:

PI_PSE_FK_I
PEST_SPECIES_CODE

Table: PEST_INFESTATION_OVERVIEW_POLY

Description:

PEST_INFESTATION_OVERVIEW_POLY is a generalized version of the PEST_INFESTATION_POLY. The main purpose of the generalization is to be able to display the site infestation as an overview at higher scales. Feature type : polygon multipart.

Columns:

Seq.	Column	Nulls?	Type
* 1	POLYGON_NUMBER	NOT NULL	NUMBER(10)
	The unique polygon number		
2	PEST_CAPTURE_METHOD_CODE	NOT NULL	VARCHAR2(3)
	The code for capture method		
3	PEST_SEVERITY_CODE	NOT NULL	VARCHAR2(1)
	The acronym used to identify severity name. i.e. (L)ight, (M)oderate, (S)evere.		
4	PEST_SPECIES_CODE	NULL	VARCHAR2(3)
	The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).		
5	CAPTURE_YEAR	NULL	NUMBER(4)
	The year when the data was captured		
6	AREA_HA	NULL	NUMBER(23,2)
	The polygon's area, in hectares		
7	ORG_UNIT_NO	NOT NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests'' offices. Values stored here are for the computer''s use only, and are not to be used by people as "ministry codes".		
8	GEOMETRY	NULL	NUMBER(38)
	Geometry is a ArcSDE spatial column		
10	TREE_SPECIES_CODE	NULL	VARCHAR2(3)
	The host tree species that has been infested by a pest.		

Foreign Keys:

IOP_COU_FK
ORG_UNIT_NO = CORP_ORG_UNIT.ORG_UNIT_NO
IOP_PCSX_FK
PEST_CAPTURE_METHOD_CODE = PEST_CAPTURE_SEVERITY_XREF.PEST_CAPTURE_METHOD_CODE
PEST_SEVERITY_CODE = PEST_CAPTURE_SEVERITY_XREF.PEST_SEVERITY_CODE
IOP_PSE_FK
PEST_SPECIES_CODE = PEST_SPECIES_CODE.PEST_SPECIES_CODE
IOP_TSC_FK
TREE_SPECIES_CODE = VEG_TREE_SPECIES_CODE.TREE_SPECIES_CODE

Indexes:

IOP_COU_FK_I
ORG_UNIT_NO
IOP_PCSX_FK_I
PEST_SEVERITY_CODE
PEST_CAPTURE_METHOD_CODE
IOP_PSE_FK_I
PEST_SPECIES_CODE
IOP_TSC_FK_I
TREE_SPECIES_CODE

Table: PEST_INFESTATION_POINT

Description:

PEST_INFESTATION_POINT is the Provincial Spots Table. A Spot represents a site infestation as point data. Feature type : point.

Columns:

Seq.	Column	Nulls?	Type
* 1	SPOT_NUMBER	NOT NULL	NUMBER(10)
	The unique spot number.		
2	PEST_SEVERITY_CODE	NOT NULL	VARCHAR2(3)
	The acronym used to identify severity name. i.e. (L)ight, (M)oderate, (S)evere.		
3	PEST_SPECIES_CODE	NOT NULL	VARCHAR2(3)
	The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).		
4	PEST_CAPTURE_METHOD_CODE	NOT NULL	VARCHAR2(3)
	The code for capture method		
5	CAPTURE_YEAR	NOT NULL	NUMBER(4)
	The year when the data was captured.		
6	NUM_TREES	NULL	NUMBER(11)
	The number of trees represented by the spot infestation.		
7	AREA_HA	NULL	NUMBER(7,2)
	The area of the spot, assigned based upon num_trees.		
8	GEOMETRY	NULL	NUMBER(38)
	Geometry is a ArcSDE spatial column		
10	ORG_UNIT_NO	NOT NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests'' offices. Values stored here are for the computer''s use only, and are not to be used by people as "ministry codes".		
12	TREE_SPECIES_CODE	NULL	VARCHAR2(3)
	The host tree species that has been infested by a pest.		

Foreign Keys:

PIO_COU_FK
ORG_UNIT_NO = CORP_ORG_UNIT.ORG_UNIT_NO
PIO_PCSX_FK
PEST_CAPTURE_METHOD_CODE = PEST_CAPTURE_SEVERITY_XREF.PEST_CAPTURE_METHOD_CODE
PEST_SEVERITY_CODE = PEST_CAPTURE_SEVERITY_XREF.PEST_SEVERITY_CODE
PIO_PSE_FK
PEST_SPECIES_CODE = PEST_SPECIES_CODE.PEST_SPECIES_CODE
PIO_TSC_FK
TREE_SPECIES_CODE = VEG_TREE_SPECIES_CODE.TREE_SPECIES_CODE

Indexes:

PIO_COU_FK_I
ORG_UNIT_NO
PIO_PCSX_FK_I
PEST_CAPTURE_METHOD_CODE
PEST_SEVERITY_CODE
PIO_PSE_FK_I
PEST_SPECIES_CODE
PIO_TSC_FK_I
TREE_SPECIES_CODE

Table: PEST_INFESTATION_POLY

Description:

PEST_INFESTATION_POLY represents a site infestation as an area (polygon). Feature type : polygon multipart.

Columns:

Seq.	Column	Nulls?	Type
* 1	POLYGON_NUMBER	NOT NULL	NUMBER(10)
	The unique polygon number.		
2	PEST_SEVERITY_CODE	NOT NULL	VARCHAR2(3)
	The acronym used to identify severity name. i.e. (L)ight, (M)oderate, (S)evere.		
3	PEST_SPECIES_CODE	NOT NULL	VARCHAR2(3)
	The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).		
4	PEST_CAPTURE_METHOD_CODE	NOT NULL	VARCHAR2(3)
	The code for capture method		
5	CAPTURE_YEAR	NOT NULL	NUMBER(4)
	The year when the data was captured.		
6	AREA_HA	NULL	NUMBER(23,2)
	The polygon's area in Hectares.		
7	GEOMETRY	NULL	NUMBER(38)
	Geometry		
9	ORG_UNIT_NO	NOT NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests'' offices. Values stored here are for the computer''s use only, and are not to be used by people as ''ministry codes''.		
11	TREE_SPECIES_CODE	NULL	VARCHAR2(3)
	The host tree species that has been infested by a pest.		

Foreign Keys:

PIP_COU_FK
ORG_UNIT_NO = CORP_ORG_UNIT.ORG_UNIT_NO
PIP_PCSX_FK
PEST_CAPTURE_METHOD_CODE = PEST_CAPTURE_SEVERITY_XREF.PEST_CAPTURE_METHOD_CODE
PEST_SEVERITY_CODE = PEST_CAPTURE_SEVERITY_XREF.PEST_SEVERITY_CODE
PIP_PSE_FK
PEST_SPECIES_CODE = PEST_SPECIES_CODE.PEST_SPECIES_CODE
PIP_TSC_FK
TREE_SPECIES_CODE = VEG_TREE_SPECIES_CODE.TREE_SPECIES_CODE

Indexes:

PIP_COU_FK_I
ORG_UNIT_NO
PIP_PCSX_FK_I
PEST_CAPTURE_METHOD_CODE
PEST_SEVERITY_CODE
PIP_PSE_FK_I
PEST_SPECIES_CODE
PIP_TSC_FK_I
TREE_SPECIES_CODE

Table: PEST_SEVERITY_CODE

Description:

A code describing the severity of a pests (insect or disease) attack on the stand.

Columns:

Seq.	Column	Nulls?	Type
* 1	PEST_SEVERITY_CODE	NOT NULL	VARCHAR2(3)
	The acronym used to identify severity name. i.e. (L)ight, (M)oderate, (S)evere.		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	The complete name of the severity factor. i.e. Light, Moderate, Severe.		
3	EFFECTIVE_DATE	NOT NULL	DATE
	Effective date		
4	UPDATE_TIMESTAMP	NOT NULL	DATE
	Update date		
5	EXPIRY_DATE	NOT NULL	DATE
	Expiry date		

Table: PEST_SPECIES_CODE

Description:

PEST_SPECIES_CODE contains the code and description of a pest

Columns:

Seq.	Column	Nulls?	Type
* 1	PEST_SPECIES_CODE The code used to identify the pest for which a specified silviculture treatment is required (eg. insects, root disease, dwarf mistletoe, etc).	NOT NULL	VARCHAR2(3)
2	DESCRIPTION Description of the pest	NOT NULL	VARCHAR2(250)
3	EXPIRY_DATE Expiry date	NOT NULL	DATE
4	EFFECTIVE_DATE Effective date	NOT NULL	DATE
5	UPDATE_DATE Update date	NOT NULL	DATE

Table: VEG_TREE_SPECIES_CODE

Description:

The secondary tree species of Crown timber that was cut, damaged, destroyed or removed without authority

Columns:

Seq.	Column	Nulls?	Type
* 1	TREE_SPECIES_CODE The secondary tree species of Crown timber that was cut, damaged, destroyed or removed without authority.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The full description of the code value.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the value is available for use.	NOT NULL	DATE
4	EXPIRY_DATE The date the value is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE