How to Use the Provincial Strategic Land and Resource Planning (SLRP) Legal Objectives and Non-Legal Planning Features Datasets

BRITISH COLUMBIA
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Table of Contents

1.0   Introduction

The Strategic Land and Resource Planning (SLRP) Legal Objectives and Non-Legal Planning Features spatial sets of data have been modelled provincially and are now each available as a single data source in the Geographic Warehouse (formerly the LRDW). The data models designed for these two sets of data are based on a new, innovative design which is a departure from the way similar data has traditionally been modelled and stored in the Warehouse. Thus, there is a need to explain this new data structure and how to use the data models.

2.0   SDE Layers within the Geographic Warehouse

The SLRP data is all located in the same SDE Schema named WHSE_LAND_USE_PLANNING and has the three letter prefix of RMP for the feature class or layer name. Together these are called the SDE Layer and referred to throughout this document as layer(s). Spatial views have been designed to show only the "current" legal planning objectives/non legal planning features and this is noted with the "SVW" within the layer name. The "all" layers for legal planning objectives/non legal planning features contain features tracked through time (showing historic tabular and/or spatial changes within the feature) and are found in the base table or "SP" named layers.

2.1   Legal Objectives

"All" legal objectives data (showing changes through time) – IDIR only (internal to government):

- WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POINT
- WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_LINE
- WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POLY

"Current" legal objectives data (showing what is current only) – General and Public use:

- WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POINT_SVW
- WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_LINE_SVW
- WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POLY_SVW

2.2   Non-Legal Planning Features

"All" non-legal planning features data (showing changes through time) – IDIR only (internal to government):

- WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POINT
- WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_LINE
- WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POLY

"Current" non-legal planning features data (showing what is current only) - General and Public use:

- WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POINT_SVW

- WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_LINE_SVW
- WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POLY_SVW

For more information on which layers to use please refer to the document titled "Which_SLRP_Layers_to_Use_-_Metadata_and_Distribution.pdf" at
http://ilmbwww.gov.bc.ca/slrp/datamgmt_supportdocs.html

3.0   Explanation of What is within These Layers

The *Legal Planning Objective* sets of data store the spatially identified legal planning objectives that are enabled through the *Land Act* and have emerged from Strategic Land and Resource Planning processes throughout the Province. There are three types of legal planning objective feature layers:

1. Objectives with polygon features are found in the "poly" layer.
2. Objectives with linear features are found within the "line" layer.
3. Objectives with point features are found within the "point" layer.

The *Non-legal Planning Features* sets of data store the spatially identified non-legal planning features that have emerged from Strategic Land and Resource Planning processes throughout the Province. They follow the same naming structure for polygons, lines, and points as identified above for the legal objectives. The layer names and spatial views also follow the same logic as described for the legal objectives.

4.0   Data Attribute Fields

The respective data models use overlapping points, lines or polygons to show all of the legal or non-legal features within one respective set of data, i.e. all strategic land and resource plans throughout the province with non-legal polygon objectives will be contained within one set of data; and all strategic land and resource plans throughout the province with legal polygon objectives will be contained within another set of data. The point and linear features are also managed using the same overlapping model. This means that the data user must run a query on the database to select and/or extract only the desired data.

4.1   Legal Planning Objectives Attributes

The following names and explanations of the attributes listed below are for the legal polygon objectives. The same fields are used in the legal objectives line or legal objectives point layers. The long names are for the layer and the short names are what the sets of data will have when downloaded through the Distribution Service. The four fields that start with RETIREMENT are only found in the "all" or base table for the legal planning objectives.

Long Name	Short Name	Description
LEGAL_FEAT_ID	LFEAT_ID	A unique identifier for the feature, (numeric)
LEGAL_FEAT_PROVID	LFTPROVID	A provincial identifier for the feature (text)
STRGC_LAND_RSRCE_PLAN_NAME	SLRP_NAME	Official name assigned to the plan (text)
LEGAL_FEAT_OBJECTIVE	FEAT_OBJ	Legal objective name (text)
LEGALIZATION_DATE	LEGAL_DT	Date that objective was formally enacted by law (date)
LAST_AMENDMENT_DATE	LST_AMD_DT	Date that feature was last legally amended (date)
GIS_CHANGE_DATE	GIS_CH_DT	Date that feature was last modified spatially/attribute value(date)
GIS_CHANGE_PERSON	GIS_CH_PER	IDIR ID /identification of the person that physically changed the feature within the GIS system (text)
CHANGE_REASON	CHG_REASON	Rational for making the change to the feature (text)
INITIATOR_OF_CHANGE	INITIATOR	IDIR ID/identification of the person in the business area who requested the change to the feature (text)
RETIREMENT_DATE	RT_DT	Date to indicate when the feature was retired (date)
RETIREMENT_GIS_CHANGE_PERSON	RT_GIS_PER	IDIR ID/identification of the person that physically retired the feature within the GIS system (text)
RETIREMENT_REASON	RT_REASON	Business reason for retiring the feature (text)
RETIREMENT_INITIATOR_OF_CHANGE	RT_INITR	IDIR ID/identification of the person in the business area who requested the retirement of the feature (text)
LEGAL_FEAT_ATRB_1_NAME	ATRB1_NM	A field to capture the field name of the 1st data attribute (text)
LEGAL_FEAT_ATRB_1_VALUE	ATRB1_VAL	A field to capture the corresponding field value of the 1st data attribute (text)
LEGAL_FEAT_ATRB_2_NAME	ATRB2_NM	A field to capture the field name of the 2nd data attribute (text)
LEGAL_FEAT_ATRB_2_VALUE	ATRB2_VAL	A field to capture the corresponding field value of the 2nd data attribute (text)
LEGAL_FEAT_ATRB_3_NAME	ATRB3_NM	A field to capture the field name of the 3rd data attribute (text)
LEGAL_FEAT_ATRB_3_VALUE	ATRB3_VAL	A field to capture the corresponding field value of the 3rd data attribute (text)
.... (numbers continue until 30)	...	...
LEGAL_FEAT_ATRB_30_NAME	ATRB30_NM	A field to capture the field name of the 30th data attribute (text)
LEGAL_FEAT_ATRB_30_VALUE	ATRB30_VAL	A field to capture the corresponding field value of the 30th data attribute (text)
RSRCE_PLAN_METADATA_LINK	URL_LINK	A website link to additional information related to the strategic land resource plan. (text)
FEATURE_CODE	F_CODE	10 character feature code to cross reference the type of feature to its value.

The **30 paired attributes** require some additional explanation. Each objective has unique attribute information. To store all of the objectives in one dataset the data was modelled to have attribute pairs to support the attribute name and attribute value. A particular objective can have up to 30 attribute pairs.

It is also important to note that all of the information stored within the attribute pairs (name and value) is in text format. For more information on interpreting the attribute pairs names and values please see the data dictionary section below.

Example:

For example within the Vancouver Island Land Use Plan there is an objective (*LEGAL_FEAT_OBJECTIVE or FEAT_OBJ*) called "**Enhanced Forestry Areas**". There are additional fields which provide more information about the type of forestry area, including the rmz_type.

LEGAL_FEAT_ATRB_1_NAME or *ATRB1_NM* is used to hold the field name of **rmz_type** and *LEGAL_FEAT_ATRB_1_VALUE or ATRB1_VAL* is used to hold the values about the **rmz_type**, for example "**Enhanced**".

LEGAL_FEAT_ATRB_2_NAME or *ATRB2_NM* is used to hold the field name of **rmz_name** and *LEGAL_FEAT_ATRB_2_VALUE or ATRB2_VAL* is used to hold the values about the **rmz_name**, for example "**Holberg**".

LEGAL_FEAT_ATRB_3_NAME or *ATRB3_NM* is used to hold the field name of **rmz_num** and *LEGAL_FEAT_ATRB_3_VALUE or ATRB3_VAL* is used to hold the value about the **rmz_num**, for example '**5**'.

If the data user wanted to select the Enhanced Forestry Areas that have a rmz_type of "enhanced" and a rmz_name of "Holberg", within the Vancouver Island Land Use Plan the query of the database to extract this information would look like:

Long Name Query:

STRGC_LAND_RSRCE_PLAN_NAME = 'Vancouver Island Land Use Plan' AND ***LEGAL_FEAT_OBJECTIVE*** = 'Enhanced Forestry Areas'
AND ***LEGAL_FEAT_ATRB_1_VALUE*** = 'Enhanced' AND ***LEGAL_FEAT_ATRB_2_VALUE*** = 'Holberg'

Short Name Query (if using a downloaded version through the Distribution Service):

SLRP_NAME = 'Vancouver Island Land Use Plan' AND ***FEAT_OBJ*** = 'Enhanced Forestry Areas' AND ***ATRB1_VAL*** = 'Enhanced' AND
ATRB2_VAL = 'Holberg'

The database information is presented to the data user as illustrated below.

Attributes of WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POLY_SVW

LEGAL_FEAT_ID	STRGC_LAND_RSRCE_PLAN_NAME	LEGAL_FEAT_OBJECTIVE	LEGAL_FEAT_ATRB_1_NAME	LEGAL_FEAT_ATRB_1_VALUE	LEGAL_FEAT_ATRB_2_NAME	LEGAL_FEAT_ATRB_2_VALUE
1972	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	San Josef-Koprino
1973	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Holberg
1974	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1975	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1976	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1977	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1978	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1979	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1980	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1981	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1982	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1983	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1984	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1985	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1986	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1987	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe
1988	Vancouver Island Land Use Plan	Enhanced Forestry Areas	RMZ_TYPE	Enhanced	RMZ_NAME	Keogh-Cluxewe

Typically, a data user would want to extract one particular objective from a plan, or all objectives from a plan. For these cases the strategic land and resource plan name attribute field **STRGC_LAND_RSRCE_PLAN_NAME** (long database name) or **PLAN_NAME** (short name for downloaded datasets) and the objective name **LEGAL_FEAT_OBJECTIVE** or **FEAT_OBJ** attribute field would be used**.**

4.2 Non-Legal Planning Features Attributes

The names and explanations of the attributes listed below are for the non-legal planning features polygon objectives. The same fields are used in the non-legal planning features line or non-legal planning features point layers. The long names are for the layer and the short names are what the sets of data will have when downloaded through the Distribution Service. The four fields that start with RETIREMENT are only found in the All or base table for the non legal planning features.

Long Name	Short Name	Description
NON_LEGAL_FEAT_ID	NLFEAT_ID	A unique identifier for the feature, (numeric)
NON_LEGAL_FEAT_PROVID	NLFTPROVID	A provincial identifier for the feature (text)
STRGC_LAND_RSRCE_PLAN_NAME	SLRP_NAME	Official name assigned to the plan (text)
NON_LEGAL_FEAT_OBJECTIVE	FEAT_OBJ	Legal objective name (text)
ORIGINAL_DECISION_DATE	ORG_DEC_DT	Date that objective was formally agreed upon as official government policy (e.g. agreement reached at planning table, agreement within government decision-makers etc) (date)
LAST_AMENDMENT_DATE	LST_AMD_DT	Date that feature was last formally amended (date)
GIS_CHANGE_DATE	GIS_CH_DT	Date that feature was last modified spatially/attribute value(date)
GIS_CHANGE_PERSON	GIS_CH_PER	IDIR ID /identification of the person that physically changed the feature within the GIS system (text)
CHANGE_REASON	CHG_REASON	Rational for making the change to the feature (text)
INITIATOR_OF_CHANGE	INITIATOR	IDIR ID / identification of person in the business area who requested the change to the feature (text)
RETIREMENT_DATE	RT_DT	Date to indicate when the feature was retired (date)
RETIREMENT_GIS_CHANGE_PERSON	RT_GIS_PER	IDIR ID/identification of the person that physically retired the feature within the GIS system (text)
RETIREMENT_REASON	RT_REASON	Business reason for retiring the feature (text)
RETIREMENT_INITIATOR_OF_CHANGE	RT_INITR	IDIR ID / identification of the person in the business area who requested the retirement of the feature (text)
NON_LEGAL_FEAT_ATRB_1_NAME	ATRB1_NM	A field to capture the field name of the 1st data attribute (text)
NON_LEGAL_FEAT_ATRB_1_VALUE	ATRB1_VAL	A field to capture the corresponding field value of the 1st data attribute (text)
NON_LEGAL_FEAT_ATRB_2_NAME	ATRB2_NM	A field to capture the field name of the 2nd data attribute (text)
NON_LEGAL_FEAT_ATRB_2_VALUE	ATRB2_VAL	A field to capture the corresponding field value of the 2nd data attribute (text)
NON_LEGAL_FEAT_ATRB_3_NAME	ATRB3_NM	A field to capture the field name of the 3rd data attribute (text)
NON_LEGAL_FEAT_ATRB_3_VALUE	ATRB3_VAL	A field to capture the corresponding field value of the 3rd data attribute (text)
.... (numbers continue until 30)	...	...
NON_LEGAL_FEAT_ATRB_30_NAME	ATRB30_NM	A field to capture the field name of the 30th t data attribute (text)
NON_LEGAL_FEAT_ATRB_30_VALUE	ATRB30_VAL	A field to capture the corresponding field value of the 30th t data attribute (text)
RSRCE_PLAN_METADATA_LINK	URL_LINK	A website link to additional information related to the strategic land resource plan. (text)
FEATURE_CODE	F_CODE	10 character feature code to cross reference the type of feature to its value.

The **30 paired attributes** follow the same concept as the paired attributes for the legal objectives. An example for selecting out the non-legal objective of Lakeshore Management Classes from the Cariboo Chilcotin Land Use Plan for all Lake Management Zones would look like the following query:

__Long Name Query:__

STRGC_LAND_RSRCE_PLAN_NAME = 'Cariboo Chilcotin Land Use Plan' AND
NON_LEGAL_FEAT_OBJECTIVE = 'Lakeshore Management Classes' AND
NON_LEGAL_FEAT_ATRB_1_VALUE LIKE '%LMZ'

__Short Name Query (if using a downloaded version through the Distribution Service):__

SLRP_NAME = 'Cariboo Chilcotin Land Use Plan' AND **FEAT_OBJ** = 'Lakeshore Management Classes' AND **ATRB1_NM** LIKE '%LMZ'

The attribute table would look as follows:

NON_LEGAL_FEAT_ID	STRGC_LAND_RSRCE_PLAN_NAME	NON_LEGAL_FEAT_OBJECTIVE	NON_LEGAL_FEAT_ATRB_1_NAME	NON_LEGAL_FEAT_AT	NON_LEGAL
41282	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41284	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41287	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	C_LMZ	<Null>
41300	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41301	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41302	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41304	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41311	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41319	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	E_LMZ	<Null>
41321	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	B_LMZ	<Null>
41322	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	A_LMZ	<Null>
41324	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	B_LMZ	<Null>
41329	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	E_LMZ	<Null>
41333	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41336	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>
41338	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	B_LMZ	<Null>
41341	Cariboo Chilcotin Land Use Plan	Lakeshore Management Classes	LK_BUFFER	D_LMZ	<Null>

Attributes of WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POLY_SVW

5.0   Strategic Land and Resource Plan Boundaries

All SLRP legal planning objectives and non-legal planning features have an associated plan boundary. For some these are legal areas and for others they are just to reference the extent of the plan. Like all SLRP sets of data there is an 'all' layer that contains present and historical features and a 'current' layer that has only the present features.

SLRP Boundary Layers:
"All" SLRP boundary data (showing changes through time) – IDIR only (internal to government):
- WHSE_LAND_USE_PLANNING. RMP_STRGC_LAND_RSRCE_PLAN_SP

"Current" SLRP boundary data (showing what is current only) – General and Public use:
- WHSE_LAND_USE_PLANNING. RMP_STRGC_LAND_RSRCE_PLAN_SVW

For internal government users the name of the strategic land and resource plan covering an area of interest can be cross referenced by using the SDE layer in the Geographic Warehouse listed above and reference the field called **STRGC_LAND_RS RCE_PLAN_NAME**. The alias for this field is **"SLRP Name"** in ArcMap layerfiles or iMapBC presentation views.

For external users the boundary of the strategic land and resource plan that covers an area of interest can be downloaded. The product is called "**Strategic Land and Resource Plans – Current**". See details for downloading data below.

6.0   Data Dictionaries

Information about the attribute names and values are documented in data dictionaries. There is one data dictionary for each formalized strategic land and resource plan area with the exception of the Cariboo Chilcotin Landuse Plan and the coastal Watershed Plans that contain a group of plans. These are living documents and can be found at the following FTP site: ftp://ftp.geobc.gov.bc.ca/publish/Provincial/slrp/data_dict/.

7.0   Metadata

There are metadata records for each feature type (point, line or polygon), for both Legal Objectives and Non-Legal Planning Features as well as by plan. These can be found by querying the Geographic Data Discovery Service, or directly with the following links.

- Legal Planning Objectives - Current - Point
- Legal Planning Objectives - Current - Line
- Legal Planning Objectives - Current – Polygon
- Non Legal Planning Features - Current - Point
- Non Legal Planning Features - Current - Line
- Non Legal Planning Features - Current - Polygon

More information on using metadata records is available at http://ilmbwww.gov.bc.ca/slrp/datamgmt_supportdocs.html within the document titled "Which_SLRP_Layers_to_Use_-_Metadata_and_Distribution.pdf"

8.0 Presentation Views / Layerfiles

For internal government users, a series of layerfiles have been developed and are presented through the TSAT toolbar or layerfile library. These are also made into Presentation Views and are available to external users via iMapBC. These are grouped by plan and symbolized by plan objective/feature type. The attribute pairs have been made to look like a standard attribute table with the value in the attribute pair name as the alias for the attribute pair value column.

9.0 Download/Distribution

The "current" information is the data that is available for the public to download and use. The layers containing any historic information, or referred to as the "all" layers, are for government use only.

Additional documentation for downloading and working with these sets of data are available at:
http://ilmbwww.gov.bc.ca/slrp/datamgmt_supportdocs.html