

**Strategic Land and Resource Planning (SLRP) Spatial Data Layers:
Metadata Records and Data Distribution**



Ministry of Forests, Lands and Natural Resource Operations

May 2011

Table of Contents

1.0	Introduction.....	2
2.0	The 5 Layers “Current” vs “All” and Their Security Settings	2
3.0	Geographic Warehouse Layers and Metadata Records.....	2
3.1	“Current” Layers and Metadata Records	3
3.2	“All” Layers Metadata Records.....	4
4.0	Legal and Non Legal Planning and Individual Plan Metadata Flow.....	5
4.1	Planning Feature Type Metadata and Associated Plan Metadata	5
4.2	Plan Metadata and their Associated Planning Feature Types.....	5
5.0	Data Dictionary.....	6
6.0	Downloading SLRP Data	6
6.1	Option 1: Download the entire layer.....	7
6.2	Option 2: Download the layer using AOI – Draw AOI.....	8
6.3	Option 3: Download Layer using AOI – Upload Shapefile	9

1.0 Introduction

There are currently five sets of Strategic Land and Resource Planning (SLRP) data within the BC Geographic Warehouse (formerly the LRDW):

- Landscape Units
- Planning Boundaries
- Old Growth Management Areas (Legal and Non Legal)
- Legal Planning Objectives (Point, Line and Poly)
- Non Legal Planning Features (Point, Line and Poly)

This document describes how the metadata is organized for these five sets of data and how to use the distributions service to download them.

2.0 The 5 Layers “Current” vs “All” and Their Security Settings

Each of these data layers is split into either:

- “ALL” layers, that contain both past (historical) and present features
 - IDIR only unless requested
 - Only to be used if past retired features are needed
- “CURRENT” layers, that contains only present features
 - For general use and public distribution
 - To be used by IDIR and public users unless past/historical features are needed

3.0 Geographic Warehouse Layers and Metadata Records

There are metadata records for each of the SLRP layers in the Geographic Warehouse. Together these records have been linked off one main “parent” theme metadata record. The exception to this is for the legal planning objectives and non legal planning features: the parent record links to a single record which contains links to the individual point, line and poly records.

This document focuses on the “current” layers as these are the layers that should be used unless historical changes for features are required.

The “parent” Strategic Land and Resource Plan theme metadata record:

<http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=52018&recordSet=ISO19115>

Please read all metadata for layers of interest for more information and warnings.

At the end of this document there is a diagram showing the metadata flow.

3.1 “Current” Layers and Metadata Records

This table lists the different “current” SLRP layers in the Geographic Warehouse and their metadata and should be used by both IDIR and public users. For each layer there is an associated metadata record, as well the legal planning objectives and non legal planning features have an additional theme record that groups all three of their feature types (point, line and poly).

Table 1.0: “Current” SLRP Layers and Metadata (Public and General Use)

Landscape Units - Current:		
Landscape Units - Current	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_LANDSCAPE_UNIT_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=51078&recordSet=ISO19115
Strategic Land and Resource Plan Boundary - Current:		
Strategic Land and Resource Plan Boundary - Current	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_STRGC_LAND_RSRCE_PLAN_SVW
	Metadata:	https://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=51278&recordSet=ISO19115
Old Growth Management Areas - Current:		
Non Legal Old Growth Management - Current	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_OGMA_NON_LEGAL_CURRENT_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=51678&recordSet=ISO19115
Legal Old Growth Management - Current	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_OGMA_LEGAL_CURRENT_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=51680&recordSet=ISO19115
Legal Planning Objectives - Current:		
All “Current” Legal Planning Objectives	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55279&recordSet=ISO19115
Legal Planning Objectives - Current – Point	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POINT_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55382&recordSet=ISO19115
Legal Planning Objectives - Current – Line	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_LINE_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55381&recordSet=ISO19115
Legal Planning Objectives - Current – Polygon	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POLYGON_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55383&recordSet=ISO19115
Non Legal Planning Features - Current:		
All “Current” Non Legal Planning Objectives	Metadata	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55359&recordSet=ISO19115
Non Legal Planning Features - Current - Point	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POINT_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55388&recordSet=ISO19115
Non Legal Planning Features - Current - Line	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_LINE_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55387&recordSet=ISO19115
Non Legal Planning Features - Current - Polygon	SDE Layer:	WHSE_LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POLYGON_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55389&recordSet=ISO19115

3.2 “All” Layers Metadata Records

Table 2.0 contains the “all” metadata record that have both past (historical) and present features and are for government use and distribution only. The “all”, like the “current”, metadata records for the legal planning objectives and non legal planning features have an additional theme record that groups all three of their feature types (point, line, and poly).

Table 2.0: “All” SLRP Layers and Metadata (Government Only)

Landscape Units - All:		
Landscape Units - All	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_LANDSCAPE_UNIT_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=50939&recordSet=ISO19115
Strategic Land and Resource Plan Boundary - All:		
Strategic Land and Resource Plan Boundary - All	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_STRGC_LAND_RSRCE_PLAN_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=51258&recordSet=ISO19115
Old Growth Management Areas - All:		
Non Legal Old Growth Management - All	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_OGMA_NON_LEGAL_ALL_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=51659&recordSet=ISO19115
Legal Old Growth Management - All	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_OGMA_LEGAL_ALL_SVW
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=51679&recordSet=ISO19115
Legal Planning Objectives - All:		
All “All” Legal Planning Objectives	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55260&recordSet=ISO19115
Legal Planning Objectives - All – Point	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_PLAN_LEGAL_POINT_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55379&recordSet=ISO19115
Legal Planning Objectives - All – Line	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_PLAN_LEGAL_LINE_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55360&recordSet=ISO19115
Legal Planning Objectives - All – Polygon	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_PLAN_LEGAL_POLYGON_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55380&recordSet=ISO19115
Non Legal Planning Features - All:		
All “All” Non Legal Planning Objectives	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55339&recordSet=ISO19115
Non Legal Planning Features - All - Point	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POINT_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55385&recordSet=ISO19115
Non Legal Planning Features - All - Line	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_LINE_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55384&recordSet=ISO19115
Non Legal Planning Features - All - Polygon	SDE Layer:	WHSE LAND_USE_PLANNING.RMP_PLAN_NON_LEGAL_POLYGON_SP
	Metadata:	http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55386&recordSet=ISO19115

4.0 Legal and Non Legal Planning and Individual Plan Metadata Flow

As described in Section 3.0, there is a single metadata record for each of the Legal Planning Objectives and Non Legal Planning Features “current” and “all”. These records list each of their associated point, line and polygons. These records are set for distribution so all three feature types are downloaded at once. In addition, each of these point, line and polygons records then lists all the plans that have this type of data associated with them as shown in Section 4.1 and vice versa (Section 4.2). Refer to Diagram 1.0 at the end of this document that shows the metadata record flow and linkages.

4.1 Planning Feature Type Metadata and Associated Plan Metadata

The *Aggregate Dataset Information* section in each of the individual planning objectives and features metadata records (listed in Table 1.0 and 2.0 under *Legal Planning Objectives* and *Non Legal Planning Features*) contains a list of all plans and a link to the individual plan metadata records.

Aggregate Dataset Information	
Aggregate Dataset #1	
Title	Plans Containing Legal Polygon Features
Online Reference #1	
Linkage (URL)	https://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55664&recordSet=ISO19115
Online Resource Name	Agricultural Development Areas and Settlement Reserve Areas within 4 Forest Districts - Forts St James, Mackenzie, Prince George and Vanderhoof
Online Resource Function	information
Online Reference #2	
Linkage (URL)	https://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55620&recordSet=ISO19115
Online Resource Name	Boundary Scenic GAR Order
Online Resource Function	information

4.2 Plan Metadata and their Associated Planning Feature Types

Similarly, the *Feature Catalogue Description* of each of the plan metadata records contains a list of the individual planning objectives and features metadata records (legal and non legal points, lines and polys) that the plan has. This links the plan metadata records to the individual feature types and vice versa.

Feature Catalogue Description	
Feature Types #1	
Feature Type Name	Legal Planning Objectives - Current - Polygon
Feature Type Description	To select out only the features for this plan use STRGC_LAND_RSRCE_PLAN_NAME = 'Kamloops Land and Resource Management Plan' and for a specific objective add AND LEGAL_FEAT_OBJECTIVE = '<Objective Name>'
Feature Type Definition	WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POLY_SVW
Source	
Online Reference #1	
Linkage (URL)	https://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=55383&recordSet=ISO19115
Online Resource Function	download

5.0 Data Dictionary

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 Clayoquot Sound Watershed Plans which 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/.

6.0 Downloading SLRP Data

For configured downloadable products, the Geographic Data Discovery Service metadata records will have a “Download Data”  button towards the top right corner. Requesting to download the data will launch the Data Distribution Service (<https://apps.gov.bc.ca/pub/geometadata/home.do>). Details for working through the Data Distribution Service are discussed below. Note that the “Download Data” button enters into the distribution service at **STEP 3** below. For complete information on how to download data from the distribution service, please review the Quick Reference Guide http://archive.ilmb.gov.bc.ca/geobc/infoserv/dwds/files/20100209-Data_Distribution_both.pdf

Within the Distribution Service there are a few options for downloading this data.

- **Option 1:** Download the entire layer.
- **Option 2:** Download the layer using Area of Interest (AOI) – Draw AOI
- **Option 3:** Download the layer using Area of Interest (AOI) – Upload Shapefile

Each option will be discussed below.

6.1 Option 1: Download the entire layer

This option will download the entire strategic land and resource planning layer covering the spatial extent of BC. The database field names will be shortened to 10 characters or less when downloaded. Field definitions and short name equivalents to the database long names can be found in the metadata records in the *Feature Type#1* section by clicking on the “Details” button



For SLRP boundaries, legal planning objectives or non legal planning features the user will need to select/filter the data they download within a GIS system so that it can be used. The short name for “STRGC_LAND_RSRCE_PLAN_NAME” is “PLAN_NAME” and should be used to query for the desired strategic land and resource plan. For specific objectives or planning features within a plan, the short name of “FEAT_OBJ” (short name equivalent to either “LEGAL_FEAT_OBJECTIVE” or “NON_LEGAL_FEAT_OBJECTIVE”) should be used to extract either non legal planning features or legal objectives.

STEP 1 – Open up the Data Distribution Service by clicking on the provided link (<https://apps.gov.bc.ca/pub/geometadata/home.do>).

STEP 2 – Log into the service. Public without a government ID or public without a BCEID will select the “Guest Users Enter Here” button; Users with a government ID (IDIR) or users with a BCEID will select the “IDIR/BCEID” button.

STEP 3 – Read and Accept the “Data Distribution Service” conditions.

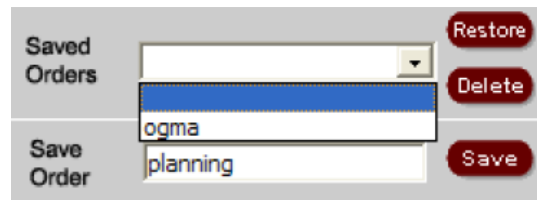
STEP 4 – Enter in a keyword search for the desired SLRP data.

Search **Find**

Tips! The search function in Distribution only searches on the name or title of a dataset. For a thorough search use the Discovery Service and click on the Download Data button, as described in the beginning of section 6.0, or use part of the title in the metadata for your search keyword.

Review the search results and select the wanted data by “adding” the category to your order.

Tips! For IDIR/BCeID clients, you can save the order and reuse them any time in future. Order details including dataset names can be quickly restored using “Restore” button.



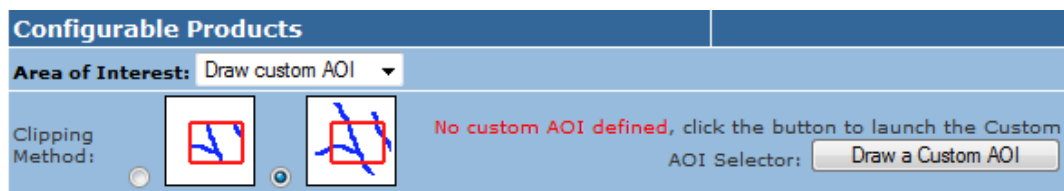
STEP 5 – Submit the Order. The order is given a unique “Order id” to track it. The data order will get compiled. The user will receive an email when the data order is compiled. Follow the link within the email to save a copy of the data.

6.2 Option 2: Download the layer using AOI – Draw AOI

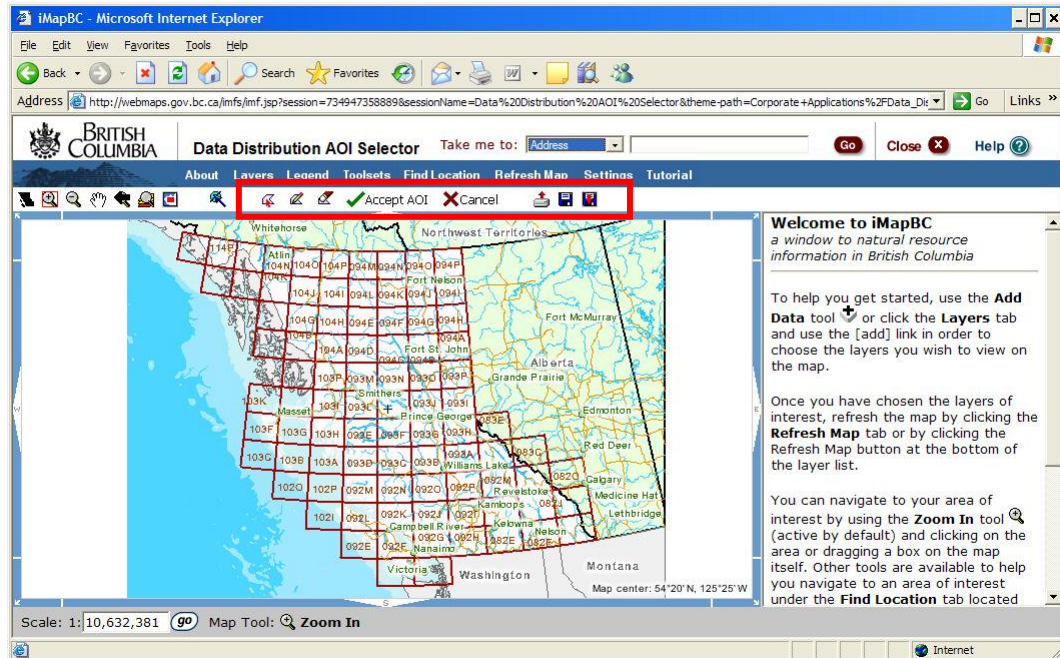
This option will let the user clip the data that they want to an Area of Interest (AOI) and then download it. There are a few ways to draw the AOI, the best way is to use an existing boundary as the AOI.

STEPS 1 through 4 are the same as in Option 1.

STEP 5 – Under the Area of Interest pick-list, choose “Draw custom AOI”, and select the second intersecting clipping method to include the information that passes through the AOI shape. Then launch the AOI Selector by clicking the “Draw a Custom AOI” button.



STEP 6 – A mapping interface will open up. Once the user defines the AOI, the interface will navigate back to the distribution service.



STEP 7 – The same as STEP 5 in Option 1.

6.3 Option 3: Download Layer using AOI – Upload Shapefile

This option will let the user upload their AOI as a shapefile. The data will then be clipped to the shapefile and downloaded. Please note the followings when you choose this option:

- The shapefile you are uploading should include only one (1) polygon.
- The order may not be processed successfully if the number of vertexes included in the clipped area is too large.

STEPS 1 through 4 are the same as in Option 1.

- STEP 5 –** Under the Area of Interest pick-list, choose “Upload ShapeFile”, and select the first clipping method, browse to where the shapefile is stored, choose the shapefiles projection, and then “Submit Order”.

Configurable Products

Area of Interest: Upload ShapeFile

Clipping Method:

☒ 
☐ 

Shapefile Spatial File (shp):

Source projection:

Re-Calc Order

Projection: BC Albers (m)

Format: ArcView Shape

Name	% of Max	Info	Remove
(B) Legal Planning Objectives - All - Line	1%		

Total Order Size:

1% of Max Size

Cancel Order

Submit Order

- STEP 6 –** The same as STEP 5 in Option 1. An email will be sent when the order has been clipped to the provided shapefile.

Strategic Land and Resource Plan Theme Metadata

<http://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=52018&recordSet=ISO19115>

Diagram 1.0: SLRP Metadata Work Flow and Distributable Features

ALL : Downloadable to IDIR users only (IDIR)

(1.1) Landscape Units- ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=50939&recordSet=ISO19115>

The first two columns
in this diagram are for
layers which contain
both past (historical)
and present features

(2.1) Strategic Land and Resource Plan Bndries - ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=51258&recordSet=ISO19115>

These are for
government use and
distribution only

(3.1) Non Legal Old Growth Mgmt Areas - ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=51659&recordSet=ISO19115>

(3.2) Legal Old Growth Mgmt Areas - ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=51679&recordSet=ISO19115>

Please read metadata
for further information

(4.1) Non Legal Planning Features - ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55339&recordSet=ISO19115>

(4.2) Legal Planning Objectives - ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55260&recordSet=ISO19115>

CURRENT : Downloadable to Public users (Pub)

(1.2) Landscape Units - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=51078&recordSet=ISO19115>

The last two columns
in this diagram are for
layers which contain
present features only

(2.2) Strategic Land and Resource Plan Bndries - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=51278&recordSet=ISO19115>

These are for public
and government use
and distribution

(3.3) Non Legal Old Growth Mgmt Areas - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=51678&recordSet=ISO19115>

(3.4) Legal Old Growth Mgmt Areas - CURRENT (Public)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=51680&recordSet=ISO19115>

Please read metadata
for further information

(4.3) Non Legal Planning Features - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55359&recordSet=ISO19115>

(4.4) Legal Planning Objectives - CURRENT (Public)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55279&recordSet=ISO19115>

Individual planning features are downloadable and link to plans that contain these features

(4.1.a) POINT Non Legal – ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55385&recordSet=ISO19115>

(4.2.a) POINT Legal – ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55379&recordSet=ISO19115>

(4.3.a) POINT Non Legal-CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55388&recordSet=ISO19115>

(4.4.a) POINT Legal - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55382&recordSet=ISO19115>

(4.1.b) LINE Non Legal – ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55384&recordSet=ISO19115>

(4.2.b) LINE Legal – ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55360&recordSet=ISO19115>

(4.3.b) LINE Non Legal - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55387&recordSet=ISO19115>

(4.4.b) LINE Legal - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55381&recordSet=ISO19115>

(4.1.c) POLY Non Legal – ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55386&recordSet=ISO19115>

(4.2.c) POLY Legal – ALL (IDIR)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55380&recordSet=ISO19115>

(4.3.c) POLY Non Legal-CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55389&recordSet=ISO19115>

(4.4.c) POLY Legal - CURRENT (Pub)

<http://apps.gov.bc.ca/pub/geo/metadata/metadataDetail.do?recordUID=55383&recordSet=ISO19115>

Plan "A"
Theme
Metadata

Plan "B"
Theme
Metadata

Plan "n"
Theme
Metadata

Data Dictionaries are
located at
ftp://ftp.geobc.gov.bc.ca/public/Provincial/slrp/data_dict

Plan metadata records are supplemental information and have links to individual

Strategic Land and Resource Planning (SLRP) Spatial Data Layers: Metadata Records and Data Distribution