

Land and Resource Data Warehouse Access Services

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Presentation Outline

- **What is Land Information BC?**
- **Objectives of the Land and Resource Data Warehouse (LRDW)**
- **Service Architecture**
- **LRDW Services**
 - Discovery Service
 - Distribution Service
 - Viewing Service
 - WMS Service
 - WMS Connectivity Instructions
- **Contact Information**

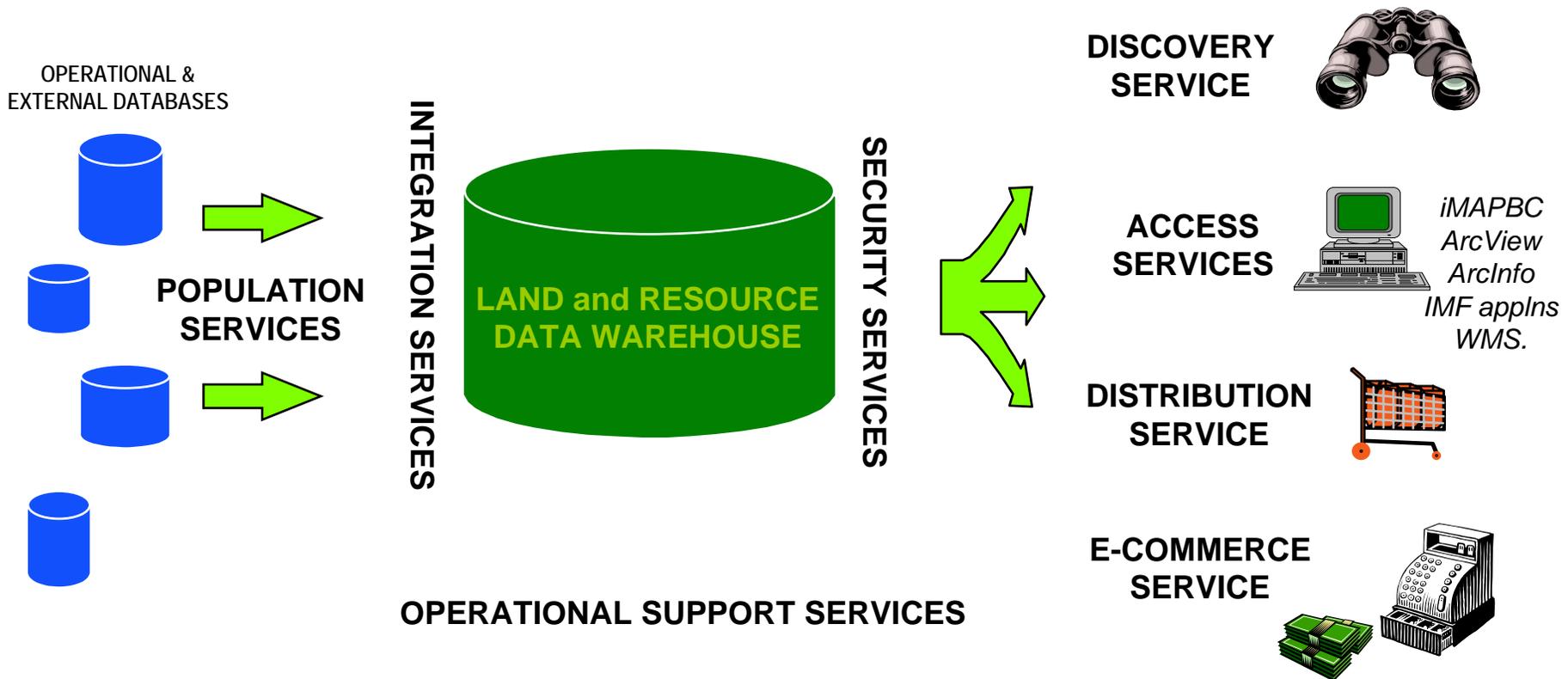
What is Land Information BC?

- Base mapping
- Registry of legal interests in Crown/private land
- Resource information
- Warehouse to store and manage the information
- Portal to access the information easily and from one place
- Analysis and modeling to help with decision-making

LRDW Objectives

- **Single, current, seamless province wide view of the data**
- **Streamline data access and delivery**
- **Self-service capability**
- **Eliminate duplicate data across ministries and program areas**
- **Develop and maintain meta content for all data and information**
- **Support decision making**

LRDW Service Architecture



What are LRDW Services?

The Land and Resource Data Warehouse (LRDW) is the corporate repository for land, resource and geographic data that supports a variety of business requirements for the natural resource sector, other government agencies, industry and the public .

- **Discovery Service** - find out what data is available in the Land and Resource Data Warehouse
- **Viewing Service** – view, query, analyze and print maps using data in place via the web
- **Distribution Service** – select, order and download LRDW data to your local workstation for personal use
- **WMS Service** – view land and resource data warehouse information directly into GIS applications

LRDW Internet Home Page



Advanced Search

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Land Information BC

LAND INFORMATION
BC TOOLS

- [LIBC Search](#)
- [Discover Data](#)
- [Download Data](#)
- [View Data](#)

SRM > [LIBC](#) > Land and Resource Data Warehouse (LRDW)

Ministry of Sustainable Resource
Management

Land and Resource Data Warehouse (LRDW)



→ [Launch Discover Data](#)

→ [Launch Download Data](#)

→ [Launch View Data](#)

Welcome to the Land and Resource Data Warehouse (LRDW)

The Land and Resource Data Warehouse (LRDW) is the corporate repository for integrated land, resource and geographic data that supports a variety of business requirements for the natural resource sector, other government agencies, industry and the public.

The following services are available to find out what data is in the warehouse, download it or view it through your browser. Each service has online help to assist users. Some services have tutorials which show a user how to utilize the service.

Discover Data

The Discovery Service allows users to determine what data is available in the warehouse. [Click here to access this service.](#)

Discovery Service



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Ministry of Sustainable Resource Management

MSRM Corporate Metadata Service

Land Information BC Discovery Service

Data Discovery [login](#) [?](#)

- Home / Search
- Browse
- Advanced Search
- Saved Results
- Data Custodians

Exit this e-service

This service allows you to *discover* Land and Resource Data Holdings. You can find core information about the data such as title, description, custodian, location, and format.

- Conduct a simple **search** using the search function below and only one search criteria.
- Browse** the data. A good place to get started and to see what kinds of data are held.
- Conduct a more **advanced search** using one or more search criteria.

You do not have to login to use the Discovery Service, but to order some data or contribute metadata you will have to login

Search

All Fields

Theme View: Orderable Online [?](#)

Results Per Page: Main LRDW Datasore [?](#) (IDWPROD)

[Clear](#)



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Ministry of Sustainable Resource Management

Land Information BC Discovery Service

MSRM Corporate Metadata Service

Theme Search Results [?](#)

Data Discovery

- Home / Search
- Browse
- Advanced Search
- Saved Results
- Data Custodians

Exit this e-service

This page shows the results of your search. You can:

- Show / hide feature types** associated with the theme record by clicking on the plus sign / minus sign.
 - View details** of the record by clicking on the [view detail](#) link.
 - View a **printable version** of the record.
- View the **XML code** of the record, downloading the metadata record(s) to an XML file. The search results default to being sorted alphabetically by title, but you can change the sorting criteria by clicking the fields at the top.

Records 1 to 11 of 11
[\[prev\]](#) [\[1\]](#) [\[next\]](#)

[check all](#) - [clear all](#)

	Title ▲	Type	Custodian	Category	Subcategory	
<input type="checkbox"/>	Biogeoclimatic Ecosystem	Abstraction	Research Branch (MOF)	Land and Natural Resources Information	Fish, Wildlife and Plant Species	view detail view footprint view printable view XML
<input checked="" type="checkbox"/>	Classification ...					

The BEC system consists of two components: a zonal classification and a site classification (Meidinger and Pojar 1991; Pojar et al. 1987). The zonal classification is a hierarchical system that integrates climate, vegetation and site classifications at a broad landscape level - this is the level

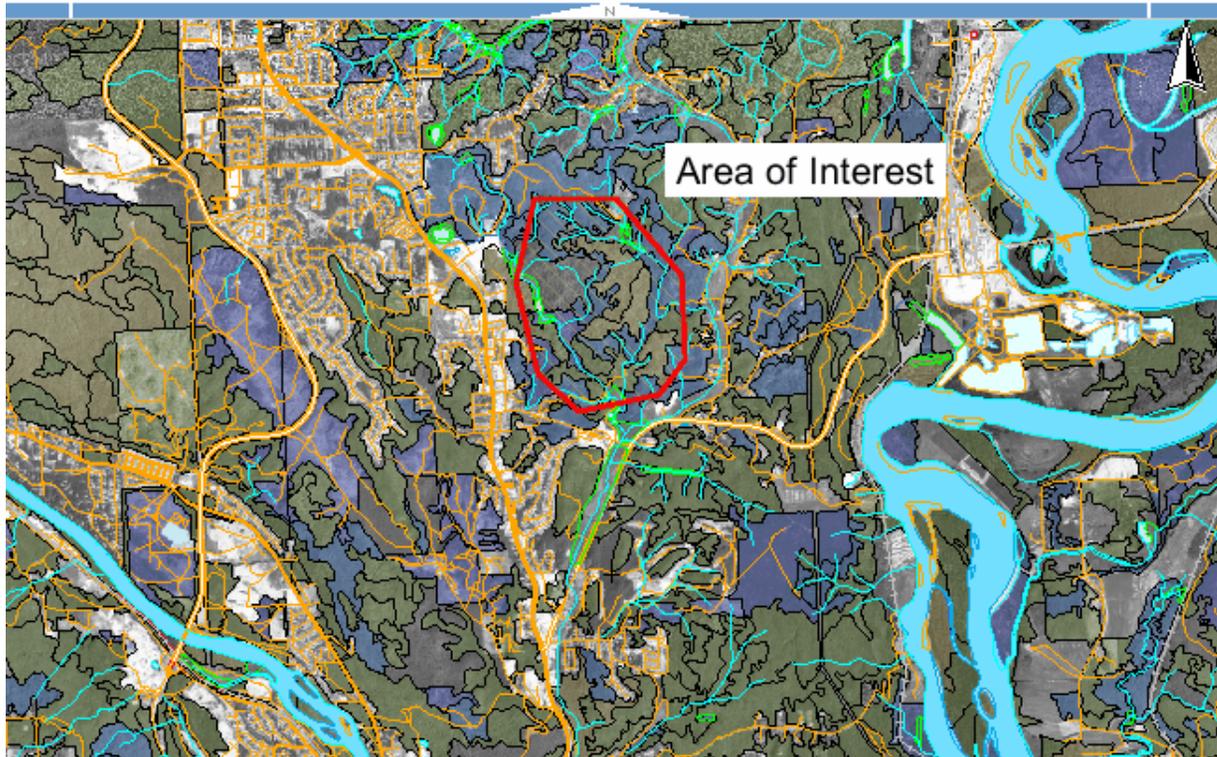
Viewing Service



iMapBC v1.1

Close  Help

About Layers Legend Toolsets Find Location Refresh Map Settings Tutorial



Map Layers

Feed

[add] [remove] [change order]

- All Layers
- (7.5M) Major Roads *
- (7.5M) Major Cities *
- (7.5M) Drainage Lines *
- (7.5M) Boundary Lines *
- (2M) Water - Lines *
- (2M) Transportation - Lines *
- (2M) Provincial Boundary *
- (2M) Landmark - Cities *
- (250K) Water - Lines *
- (250K) Water - Coastline - Lines *
- (250K) Transportation - Lines *
- (20K) Water - Lines
- (20K) Transportation - Lines
- Vegetated Land Cover - Outlined
- (7.5M) Provinces and States *
- (7.5M) Drainage Polygons *
- (7.5M) British Columbia *
- (7.5M) Bathymetric *
- (2M) Water - Polygons - Colour Fill

Distribution Service



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Ministry of Sustainable Resource Management

LRDW - Order Land and Resource Data

Your Order [?](#)

Your Order id: 22608

Standard Products

Standard Products can be altered for the:

- coordinate reference system (CRS);
- file format;
- Area of Interest (AOI); and
- clipping method for the AOI.

Note: the selected options will:

- apply to ALL standard products in your order; and
- alter the size of your order.

Type	Standard Product Name	% of max order size	Details	Remove
- none selected				

Specialty Products

Specialty Products are packaged with a preset:

- coordinate reference system (CRS);

Area of Interest



Note that the default Area of Interest (AOI) is the Province of B.C. Using this default may cause some selected products to exceed the maximum order size.

Output Options

CRS: BC Albers (m)
File Format: ArcView Shape
Clipping Method: Clip to area of interest



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Ministry of Sustainable Resource Management

LRDW - Order Land and Resource Data

Select a Standard Product [?](#)

Your Order id: 23112

Standard Products can be altered for the:

- coordinate reference system (CRS);
- file format;
- Area of Interest (AOI); and
- clipping method for the AOI.

Standard products are groupings or sets of related features. For example, a hydrology product (or theme) could include lake, pond, stream, river, spring and well features. You will only see specialty products that you are authorized to download.

Order Land and Resource Data

- Home
- Login
- Terms of Use
- Your Order
- Standard Products
- Email Address
- Order Confirmation

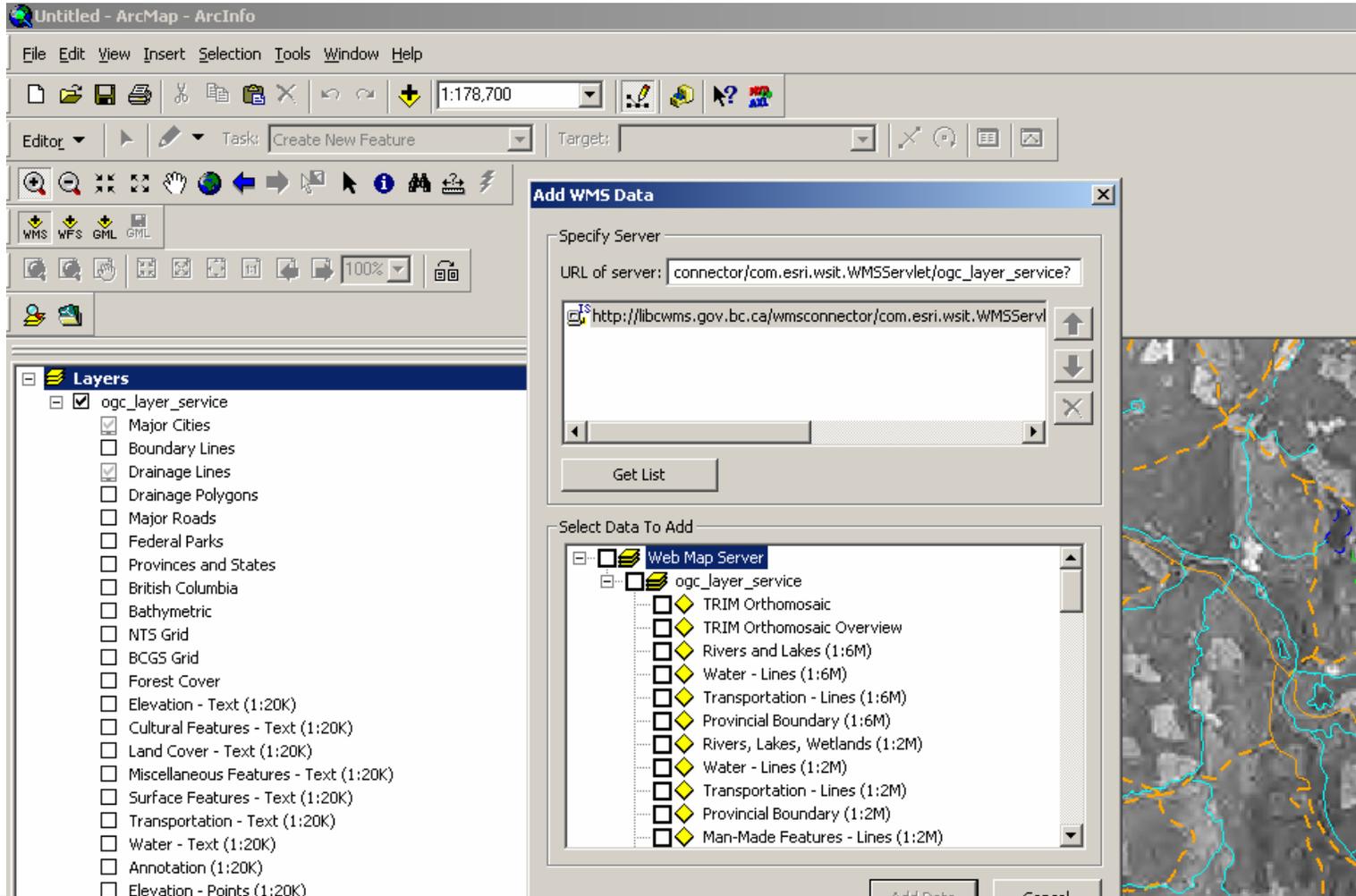
Related Links

Available Products

(P) Recreation Features Inventory
(B) TRIM Positional 1:20k
(B) TRIM : Enhanced Base Map
(B) Digital Base Mapping at 1:250K
(P) Recreation Visual Landscape In
(P) NTS 1:250,000 Mapsheet Grid

Selected Products

WMS Service



Untitled - ArcMap - ArcInfo

File Edit View Insert Selection Tools Window Help

1:178,700

Editor Create New Feature Target:

WMS WFS GML GML

100%

Layers

- ogc_layer_service
 - Major Cities
 - Boundary Lines
 - Drainage Lines
 - Drainage Polygons
 - Major Roads
 - Federal Parks
 - Provinces and States
 - British Columbia
 - Bathymetric
 - NTS Grid
 - BCGS Grid
 - Forest Cover
 - Elevation - Text (1:20K)
 - Cultural Features - Text (1:20K)
 - Land Cover - Text (1:20K)
 - Miscellaneous Features - Text (1:20K)
 - Surface Features - Text (1:20K)
 - Transportation - Text (1:20K)
 - Water - Text (1:20K)
 - Annotation (1:20K)
 - Elevation - Points (1:20K)

Add WMS Data

Specify Server

URL of server: connector/com.esri.wsit.WMSServlet/ogc_layer_service?

<http://lbcwms.gov.bc.ca/wmsconnector/com.esri.wsit.WMSServ>

Get List

Select Data To Add

- Web Map Server
 - ogc_layer_service
 - TRIM Orthomosaic
 - TRIM Orthomosaic Overview
 - Rivers and Lakes (1:6M)
 - Water - Lines (1:6M)
 - Transportation - Lines (1:6M)
 - Provincial Boundary (1:6M)
 - Rivers, Lakes, Wetlands (1:2M)
 - Water - Lines (1:2M)
 - Transportation - Lines (1:2M)
 - Provincial Boundary (1:2M)
 - Man-Made Features - Lines (1:2M)

Instructions for WMS Access

Here are the steps your users will need to take to access the LIBC WMS Service in ArcGIS 8x:

1. Download and install the WMS Connector tool for ArcGIS from the ESRI Site:

<http://www.esri.com/software/opengis/ogc-download.html>

2. Run the installer and follow the instructions

3. Add the Interoperability Tools to a users ArcMap session by:

- i. Double clicking on an empty space in the toolbar in ArcMap
- ii. Checking the box next to Interoperability Tools under the tool bars tab

4. Click on the Add WMS Data Button and enter the following URL:

http://libcwms.gov.bc.ca/wmsconnector/com.esri.wsit.WMSServlet/ogc_layer_service?

5. Click on Get List. A list of all layers available through the WMS connector will be listed. Select a layer and click on Add Data.

Links

- Land and Resource Data Warehouse

<http://lrdw.ca>

- LIBC Map Services:

<http://maps.gov.bc.ca> Public Access to 20 available applications

- LIBC HelpDesk

Application support:

LIBC.ApplicationSupport@gov.bc.ca

Data Support:

LIBC.DataSupport@gov.bc.ca

Phone:

250-387-1816