

Meta Data Set Name: Landscape Classification – Galiano Island, BC

1. Identification Information

Files: Land Class Feb04.shp
Land Class Feb04.shx
Land Class Feb04.dbf
Stream.shp
Stream.shx
Stream.dbf
Canal.shp
Canal.shx
Canal.dbf

1.2 Description

1.2.1 Abstract

Core components of the project include the creation of a 1:5,000 scale Landscape Classification of Galiano Island, an ecological analysis of the geographic data, and a community-based process for building consensus on conservation values and priorities. The Landscape Classification is an interpretation of the current ecological state of Galiano Island. All forested, aquatic, natural non-forested and developed areas have been mapped forming a contiguous cover of Galiano's entire 6000 hectare landscape. The Landscape Classification is interpreted from, or includes, the following sources of data:

- May 20th, 1998 colour aerial photography, (flown at 1:15,000 scale)
- May 20th, 1998 georeferenced and orthorectified colour aerial photography (1m pixel resolution)
- 2002 black and white orthophoto (0.5m pixel resolution) (Islands Trust Fund /Capitol Regional District)
- 1997 black and white aerial photography (flown at 1:10,000 scale)
- July 30th, 2000 Landsat 7 ETM+ satellite imagery
- Forest Cover and Road maps – 1:20,000 scale (MacMillan Bloedel, 1987)
- Forest Management Plan for LOT 8, Galiano Island (H.A. Forest Management LTD, 1992)
- Forest Management Plan for LOT 51, Galiano Island (H.A. Forest Management LTD, 1992)
- Galiano Stream and Wetland Project (Galiano Conservancy Association, 1999-2001)
- Galiano Forest Restoration Project (Galiano Conservancy Association, 2001)
- Laughlin Lake Management Plan (Galiano Conservancy Association, 2002)
- Pebble Beach Reserve Management Plan (Galiano Conservancy Association, 1998)
- Base Line Inventory, District Lot 44 (Galiano Conservancy Association, 2002)
- Sensitive Ecosystems Inventory (Environment Canada/BC Conservation Data Centre, 1992-97)
- Terrain Resource Information Management Program (TRIM) road and contour data (Province of British Columbia, Ministry of Environment Lands and Parks, Geographic Data BC, 1997)

All mapped polygons are greater than or equal to 0.01 hectares in area. Overall the map is accurate to a 1:5,000 scale, although specific areas of the island have been classified at a larger scale with greater detail and adapted according to the classification scheme used for this project.

The vast majority of data was interpreted directly from the 1998 air photography and orthophoto. Interpretation was aided by the extensive ground-based local knowledge of the mapper. In addition, approximately 25% of the total mapped area was verified through project specific ground-truthing. Polygon types and boundaries were adjusted according to Global Positioning System surveys and on the ground revisions to field maps. Data describing dominant vegetation and site characteristics was collected for over 25% of all groundtruthed polygons, the rest were simple visual inspections. Groundtruthing data was completed specifically for this map and also includes data from several recent inventory initiatives.

The landscape classification was made available to local residents and property owners through a series of three open houses on Galiano Island. A total of 135 people attended the open houses, verifying the accuracy of the landscape classification and identifying incorrect data.

The landscape classification will undergo analysis to identify areas of high conservation value based on ecological and geographic attributes. The analysis will contribute to a public process that will combine science based information with community based values to determine priority areas for conservation.

Documentation of the project will provide government agencies, non-government organizations, and individuals with the means to achieve the conservation goals of the Galiano Community.

1.2.2 Purpose

- To provide reliable science based geographic information and a clear and effective communication of community-held environmental values and priorities.

1.3 Time period of content: 1998 - 2003

1.4 Status

1.4.1 Progress

- Complete

1.4.2 Maintenance and Update Frequency

- Data updates are intended to occur at five-year intervals.

1.5 Geographic Extent

1.5.1 Description of Geographic Extent: Galiano Island, Gossip Island

1.5.2 Bounding Rectangle Coordinates

1.5.2.1 West Bounding Coordinate: -123.60

1.5.2.2 East Bounding Coordinate: -123.30

1.5.2.3 North Bounding Coordinate: 49.03

1.5.2.4 South Bounding Coordinate: 48.84

1.6 Keywords

1.6.1.1 Theme Keyword Thesaurus: none

1.6.1.2 Theme Keyword: Landscape Classification

1.6.1.3 Theme Keyword: Terrestrial Ecosystems

1.6.1.4 Theme Keyword: Aquatic Ecosystems

1.6.2.1 Place Keyword: Galiano Island

1.6.2.2 Place Keyword: Southern Gulf Islands

1.6.2.3 Place Keyword: Georgia Basin

1.7 Access Constraints: None

1.8 Use Constraints: Any party using or manipulating the 1:5000 scale Landscape Classification of Galiano Island (Galiano Conservancy Association, 2003) must notify the Galiano Conservancy Association of its intended use and acknowledge the Galiano Conservancy Association in any display or presentation of the data.

1.9 Point of Contact

1.9.2 Contact Person Primary: Keith Erickson

1.9.2.1 Contact Person: Ken Millard

1.9.2.2 Contact Organization: Galiano Conservancy Association

1.9.3 Contact Address: Keith Erickson

1.9.3.1 Address Type: Mailing

1.9.3.2 Address: RR#1 Sturdies Bay Road

1.9.3.3 City: Galiano Island

1.9.3.4 State or Province: BC

1.9.3.5 Postal Code: V0N 1P0

1.9.3.6 Country: Canada

1.10 Native Data Set Environment: Arc View GIS

2 Data Quality Information

2.1 Attribute Accuracy

2.1.1 Attribute Accuracy Report: 1 : 5,000 scale

2.2 Completeness Report: The dataset is complete for Galiano Island, Parker Island, Gossip Island

2.3 Positional Accuracy:

2.3.1 Horizontal Positional Accuracy

- 2.3.1.1 Horizontal Positional Accuracy Report: Streams and Wetlands (GPS) – (+ or - 10m)
- 2.3.1.2 Vertical Positional Accuracy: N/A
- 3 Spatial Data Organization Information
- 3.1 Direct Spatial Reference Method: Vector
- 4 Spatial Reference Information
- 4.1 Horizontal Coordinate System Definition:
- 4.1.1 Map Projection Name: Geographic
- 4.1.2 Grid Coordinate System Name: Decimal Degrees
- 4.1.2.1 Datum: WGS 80
- 4.1.2.2 UTM Zone Number: N/A
- 5 Entity and Attribute Information
- 5.1 Overview Description: Landscape Classification
- 5.1.1 Entity and Attribute Overview: See complete classification table in Appendix I of this document
- 5.1.2 Entity and Attribute Detail Citation: See complete classification table in Appendix I of this document
- 6 Distribution Information
- 6.1 Distributor - digital Arc View files / Paper Maps
- 6.1.1 Contact Organization: Galiano Conservancy Association
- 6.1.2 Contact Person: Ken Millard
- 6.1.3 Contact Address: RR#1 Sturdies Bay Road
- 6.1.4 City: Galiano Island
- 6.1.5 State or Province: British Columbia
- 6.1.6 Postal Code: V0N 1P0
- 6.1.7 Country: Canada

Definitions of Attributes in Other Database Fields:

Groundtruth – indicates which polygons were verified through groundtruthing

- Y – Groundtruthed (using information from previous or other concurrent projects)
- V – Groundtruthed (visually or with GPS)
- D – Groundtruthed (visual or with GPS) and ecological data collected

Source – indicates the relevant data sources for each polygon

- pi - May 20th, 1998 colour aerial photography, (flown at 1:15,000 scale)
May 20th, 1998 georeferenced and orthorectified colour aerial photography (1m pixel resolution)
1997 black and white aerial photography (flown at 1:10,000 scale)
- 2002 ortho - 2002 black and white orthophoto
- lk - Local Knowledge – photo interpreter or contact has direct knowledge of the place or polygon
- L7 - July 30th, 2000 Landsat 7 ETM+ satellite imagery
- mbfi - Forest Cover maps – 1:20,000 scale (MacMillan Bloedel, 1987)
- mb - Road maps – 1:20,000 scale (MacMillan Bloedel, 1987)
- MP Lot 8 - Forest Management Plan for LOT 8, Galiano Island (H.A. Forest Management LTD, 1992)
- MP DL51 - Forest Management Plan for LOT 51, Galiano Island (H.A. Forest Management LTD, 1992)
- GPS - Galiano Stream and Wetland Project (Galiano Conservancy Association, 1999-2001)
- TERP - Galiano Forest Restoration Project (Galiano Conservancy Association, 2001)
- LLMP - Laughlin Lake Management Plan (Galiano Conservancy Association, 2002)
- pbmp - Pebble Beach Reserve Management Plan (Galiano Conservancy Association, 1998)
- dl44 cov - Base Line Inventory, District Lot 44 (Galiano Conservancy Association, 2002)
- sei - Sensitive Ecosystems Inventory (Environment Canada/BC Conservation Data Centre, 1992-97)
- trim - Terrain Resource Information Management Program (TRIM) road and contour data (Province of British Columbia, Ministry of Environment Lands and Parks, Geographic Data BC, 1997)

Confidence – indicates the relative degree of confidence in the accuracy of each interpreted polygon

- h – high
- m-medium
- l – low