

# Metadata

<b>Dataset Name</b>	Shoreline Habitat Inventory Mapping (SHIM) Imagery
<b>Dataset General Type</b>	Imagery
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	1.1
<b>Program Website</b>	
<b>Keyword Vocabulary</b>	Polar Data Catalogue
<b>Keyword Vocabulary URL</b>	<a href="https://www.polardata.ca/pdcinput/public/keywordlibrary">https://www.polardata.ca/pdcinput/public/keywordlibrary</a>
<b>Theme</b>	
<b>Title</b>	Freshwater
<b>URL</b>	<a href="https://lwin-dev.ad.umanitoba.ca/data/group/freshwater">https://lwin-dev.ad.umanitoba.ca/data/group/freshwater</a>
<b>Dataset Status</b>	Complete
<b>Maintenance and Update Frequency</b>	As needed
<b>Dataset Last Revision Date</b>	2022-03-03
<b>Dataset DOI</b>	
<b>Metadata Creation Date</b>	2022
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
<b>Dataset Authors 1</b>	
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<b>Type of Name</b>	Organizational
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<b>ORCID ID</b>	

**Contributors****Contributors 1**

Name

Role

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Affiliation

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Affiliation**

Lake Winnipeg Foundation

**Dataset  
Collection  
Start Date**

2011-07-30

**Dataset  
Collection  
End Date**

2011-08-07

**Sample  
Collection****Sample  
Collection 1**Sampling  
Instrument  
NameStandardized  
Sampling  
Instrument  
NameSample  
Collection  
Method Name

Photographic Documentation

Comment

Method Link

Method  
SummaryMethod  
Description  
Type**Activity  
Collection  
Type****Preferred  
citation**

## Analytical Instrument

### Analytical Instrument 1

Analytical Instrument Name

Standardized Analytical Instrument Name

Analytical Instrument Identifier Id

Analytical Instrument Title Type Alternative Title

Analytical Instrument Identifier Type

## Analytical Method

License Name Creative Commons Attribution 4.0 International

Licence Type Open

## Embargo Date

Licence URL <https://spdx.org/licenses>

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## Awards

## Related Resources

### Related Resources 1

Related Resource Name

Resource Code

Identifier Type

Relationship To This Dataset

Resource Type Online Resource

Type

Series Name

<b>Publications</b>	
<b>Publications 1</b>	
<b>Publication Name</b>	
<b>Identifier Code</b>	
<b>Identifier Type</b>	
<b>Relationship to this dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	
<b>Spatial regions</b>	lake-winnipeg-basin
<b>Spatial extent West Bound Longitude</b>	
<b>Spatial extent East Bound Longitude</b>	
<b>Spatial extent South Bound Latitude</b>	
<b>Spatial extent North Bound Latitude</b>	

## Data and Resources

<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20land%20use/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20land%20use/</a>
<b>Name</b>	SHIM Land Use
<b>Description</b>	Land use is a categorical field that is used to describe the dominant land use observed along the segment. Categories include Agriculture, Commercial, Conservation, Forestry, Industrial, Institution, Multi-Family, Natural Area, Park, Recreation, Single Family, Rural, and Urban Park. Land use determination is based upon a combination of field observation, review of zoning and bylaw maps, and air photo interpretation.
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Level%20of%20Impact/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Level%20of%20Impact/</a>
<b>Name</b>	SHIM Level of Impact
<b>Description</b>	Level of impact is a categorical field used to describe general disturbances observed along the shoreline. Disturbances are considered to be any anthropogenic influence that has altered shoreline features including the foreshore substrates, vegetation, or the shoreline (e.g., retaining walls, groynes, etc.). Level of impact is determined from the length of the shore line (i.e., along the segment) and the depth of the shore zone area to between 15 to 50 m back. In more rural settings, typically the assessment area is greater (i.e., 50 m) and in more developed shorelines, typically the assessment area is less (i.e., 15 m). In cases of roadways, highways or railways, one should generally assess the location of the rail or roadway along the segment. To facilitate interpretation of this category, air photo interpretation is recommended to better estimate disturbance.
<b>Format</b>	JPEG

<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Major%20shore%20type/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Major%20shore%20type/</a>
<b>Name</b>	SHIM Major shore type
<b>Description</b>	Shore type is a categorical field that describes the predominant shore type that occurs along the length of the shore segment (i.e., the highest percentage of the linear shoreline length). Shore types include Cliff/Bluff, Rocky Shore, Gravel, Sand, Stream Mouth, Wetland, and Other (Sand, Sand spit)
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Major%20Shore%20Type%20Modifiers/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Major%20Shore%20Type%20Modifiers/</a>
<b>Name</b>	SHIM Major Shore Type Modifiers
<b>Description</b>	The shore type modifier field is used to describe significant shoreline structures/activities that influence the shoreline. The field is categorical and choices include Log Yard, Small Marina (6-20 slips), Large Marina (greater than 20 slips), Railway, Roadway, None, and Other.
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Predominant%20Vegetation/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM%20Predominant%20Vegetation/</a>
<b>Name</b>	SHIM Predominant Vegetation
<b>Description</b>	The Vegetation Band One Land Cover Class is a description of the predominant vegetation class present. Categories are largely derived from the Sensitive Habitat Inventory and Mapping Module 4. The Coniferous Class occurs where tree cover is at least 20% of the shore zone area and at least 80% of the trees are coniferous. The Broadleaf Class occurs where the tree cover is at least 20% and at least 65% of the trees are broadleaf or deciduous. The Mixed Forest Class occurs where tree cover is at least 20% and there are no more than 80% coniferous trees and no more than 65% broadleaf trees. The Shrubs Class occurs where tree coverage is less than 10% and there shrubs cover at least of 20%. Shrubs are defined as multi-stemmed woody perennial plants. The Herbs / Grasses Class occur where there is at less than 10% tree coverage and less than 20% of shrubs. The Exposed Soil Class occurs where recent disturbance, either anthropogenic or natural, has occurred and mineral soils are exposed. The Landscape Class refers to urbanized areas where most natural vegetation has been replaced by at least 30% coverage of ornamental trees, shrubs, and other vegetation. The Lawn Class occurs in urbanized areas where turf grasses cover at least 30% of the shore zone area 20% 36% 16% 12% 12% 2% 2% Predominant Vegetation Class Present Shrubs Broadleaf Forest Mixed Forest Lawn Natural Wetland Unvegetated Exposed soil Copyright Lake Winnipeg Foundation Inc. April 2012 37 and landscaping with ornamental shrubs or trees is less than 30% coverage. The Natural Wetland Class occurs where shore marshes dominate the shore zone area and they have not been significantly influenced by human disturbance. The Disturbed Wetland Class occurs where shore marshes predominate the shore zone area and they have experienced significant disturbance (i.e., greater than 30%). The Row Crops Class occurs in agricultural areas where crops are growing. If sites are agricultural, but are not used for row crops (e.g., pasture lands), they should be described as Herbs/Grasses and comments should be used to indicate the agricultural nature of the shore segment. Un-vegetated Sites occur where there is less than 5% vegetation cover and at least 50% of the vegetation cover is mosses or lichens. Un-vegetated sites tend to occur on rocky, exposed shorelines.
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_01_05/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_01_05/</a>
<b>Name</b>	SHIM Segments 1-5
<b>Description</b>	The Foreshore Inventory and Mapping (FIM) portion of the project collected baseline information on the current uses of Lake Winnipeg's south basin shoreline using criteria established for similar studies in British Columbia. The FIM uses maps and GIS tools to describe the shoreline in segments, 50 of which were defined along the 299 km stretch from Traverse Bay on the east shore to near Riverton on the west shore.
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_06_15/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_06_15/</a>
<b>Name</b>	SHIM Segments 6-15

<b>Description</b>	The Foreshore Inventory and Mapping (FIM) portion of the project collected baseline information on the current uses of Lake Winnipeg's south basin shoreline using criteria established for similar studies in British Columbia. The FIM uses maps and GIS tools to describe the shoreline in segments, 50 of which were defined along the 299 km stretch from Traverse Bay on the east shore to near Riverton on the west shore.
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_16_25/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_16_25/</a>
<b>Name</b>	SHIM Segments 16-25
<b>Description</b>	The Foreshore Inventory and Mapping (FIM) portion of the project collected baseline information on the current uses of Lake Winnipeg's south basin shoreline using criteria established for similar studies in British Columbia. The FIM uses maps and GIS tools to describe the shoreline in segments, 50 of which were defined along the 299 km stretch from Traverse Bay on the east shore to near Riverton on the west shore.
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_26_35/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_26_35/</a>
<b>Name</b>	SHIM Segments 26-35
<b>Description</b>	The Foreshore Inventory and Mapping (FIM) portion of the project collected baseline information on the current uses of Lake Winnipeg's south basin shoreline using criteria established for similar studies in British Columbia. The FIM uses maps and GIS tools to describe the shoreline in segments, 50 of which were defined along the 299 km stretch from Traverse Bay on the east shore to near Riverton on the west shore.
<b>Format</b>	JPEG
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_36_47/">https://canwinerddap.ad.umanitoba.ca/erddap/files/shim_images_8a74_312d_cf2c/SHIM_Segments_36_47/</a>
<b>Name</b>	SHIM Segments 36-47
<b>Description</b>	The Foreshore Inventory and Mapping (FIM) portion of the project collected baseline information on the current uses of Lake Winnipeg's south basin shoreline using criteria established for similar studies in British Columbia. The FIM uses maps and GIS tools to describe the shoreline in segments, 50 of which were defined along the 299 km stretch from Traverse Bay on the east shore to near Riverton on the west shore.
<b>Format</b>	JPEG
<b>Resource Category</b>	data