

GIS Hub Summary: April 2020

Browse, publish, and download spatial datasets to conduct research and analyses

<https://www.gis-hub.ca/>

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40+

ACTIVE
MEMBERS

40+

PUBLIC DATASETS AND
COLLECTIONS

WHY USE GIS HUB?

COLLABORATION

Search for data across organizations and use it with confidence based on the associated metadata

Follow organizations, groups, or datasets to be notified of updates

PRIVACY

Publish datasets as private so only members of the organization can access it

Restrict downloads to only allowed users or groups, but make the metadata record accessible

ACCESSIBILITY

Publish datasets with clear metadata and make it more accessible for users

Link it to other data to increase the reproducibility of workflows

FLEXIBILITY

Publish data in a variety of formats (KML, File Geodatabase, GeoTIFF, PDF, shapefile)

Include ESRI layer files or mxds that reference the data

VERSIONING (DATA & METADATA)

Update datasets as they evolve: keep the current version of data live, with the option to request access to previous versions

Receive a README file with download information including datestamp

Get access to previous versions of metadata that is archived when a dataset resource is updated **NEW**

Metadata template document (<https://www.gis-hub.ca/dataset/meta-template>) **UPDATED**

CONTROL

Only editors within organizations can publish datasets

IMPROVEMENTS **NEW**

Hyperlinks/markdown formatting support for many metadata fields, better functionality for Species Codes, dataset tracking to order by popularity, collapsible metadata sections, non-science keywords restricted to GOC thesaurus words.

GROUPS **NEW**

Grouped datasets for organization and quick access (<https://www.gis-hub.ca/group>): Environmental Layers, Fetch, Species Distribution Modelling, Substrate, GIS Spill Response Go Kit

OVERVIEW

ORGANIZATION

DATASETS

Canadian Hydrographic Service

0

Environmental Emergency Response

5 (5 Private)

Marine Spatial Ecology and Analysis

39 (4 Private)

Pacific Science

0

Fisheries Management

0

Oceans

0

National

0

Fish and Fish Habitat Protection Program (FFHPP)

0

DATASETS

CANADIAN HYDROGRAPHIC SERVICE

COMPLETED DATE

PUBLISHED DATE

Bottom Qualities and Classification DFO Pacific Region

2015

2020

REMOVED

Pacific Kelp **REMOVED**

2020

2020

CHS Pacific Low Water Line **REMOVED**

2012

2020

Pacific EEZ Water Area Polygon **REMOVED**

2016

2020

CHS Pacific High Water Line **REMOVED**

2013-2015

2019

ENVIRONMENTAL EMERGENCY RESPONSE

COMPLETED DATE

PUBLISHED DATE

Scott Islands Marine National Wildlife Area **PRIVATE**

2018

2020

DFO Marine Protected Areas **PRIVATE**

2016

2020

Hecate Strait/QCS Glass Sponge Reefs MPA **PRIVATE**

2017

2020

Rockfish Conservation Areas **UPDATED PRIVATE**

2006

2020

Pacific Fisheries Management Subareas **PRIVATE**

2019

2020

MARINE SPATIAL ECOLOGY AND ANALYSIS

COMPLETED DATE

PUBLISHED DATE



Species Distribution Models - Northern and Southern Shelf Bioregion Species (CSAS 2020-004) NEW QA/QC	2019	2020	
Species Distribution Models - Nearshore North Central Coast Species (CSAS 2020-004) NEW QA/QC	2019	2020	
Presence Absence Observations of Coral and Sponge Groups NEW QA/QC	2020	2020	
Surface chlorophyll from satellite observations NEW	2017	2020	
Environmental Layers - Nearshore Haida Gwaii (20 m) NEW QA/QC PRIVATE	2020	2020	
Environmental Layers - Nearshore QCS (20 m) NEW QA/QC PRIVATE	2020	2020	
Environmental Layers - Nearshore West Coast Vancouver Island (20 m) NEW QA/QC PRIVATE	2020	2020	
Environmental Layers - Northern Shelf & Southern Shelf Bioregions (100 m) NEW QA/QC PRIVATE	2019	2020	
Shallow substrate model (20m) of the Pacific Canadian coast	2019	2020	
Important Areas WCVI Ecoregion <ul style="list-style-type: none">BirdsCoral and SpongeGeographyInvertebratesFishOther VertebratesCetaceans	2009	2020	
Important Areas PNCIMA Ecoregion <ul style="list-style-type: none">BirdsCoral and SpongeGeographyInvertebratesFishOther VertebratesCetaceans	2005	2020	
Important Areas SOG Ecoregion <ul style="list-style-type: none">BirdsSponge Reefs FGPGeographyInvertebratesFishOther VertebratesCetaceans	2009	2020	
Gridded Nearshore Fetch	2020	2020	
Coastline Fetch estimates for Pacific Canada	2015	2018	
Species Distribution Modelling Boundaries	2020	2020	
Floating Structures in the Pacific Northwest FGP	2018	2018	
Diversity, Richness, and Biomass Hotspots	2016	2019	
Temperature, salinity, and currents of coastal BC: bottom waters	2018	2019	
Seamounts UPDATED FGP	2017	2018	
British Columbia ShoreZone Mapping	2007	2018	
Sponge Reef Areas FGP	2017	2018	
Bottom Substrate Observations	2015	2019	
Coastal bathymetry (20 m) for Pacific Canadian waters	Pending	Pending	
Environmental Layers - Salish Sea Integrated Management Area (SASIMA) (20 m)	2020	Pending	
Environmental Layers - Nearshore North Central Coast (20 m)	2020	Pending	

IN DEVELOPMENT

ADDITIONAL DATASETS

SUPPORTING FGP

IMPROVED WEB MAPPING PREVIEWS

Environmental emergency response datasets (mix of public and private data)

Pacific marine ecological classification system (PMECS) data

Environmental layers for modelling

Export HNAP-valid XML files that can be published to FGP/OpenData through appropriate channels

More consistent web mapping previews of spatial data

Currently works for some vector layers, but not for any raster layers