

# GIS Hub Summary: January 2020

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

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

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30+

ACTIVE MEMBERS

30+

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 (GeoJSON, KML, File Geodatabase, GeoTIFF, PDF)

Include ESRI layer files or mxds that reference the data

VERSIONING

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



CONTROL


Only editors within organizations can publish datasets

## OVERVIEW

ORGANIZATION	DATASETS	MEMBERS	EDITORS
Canadian Hydrographic Service	3	3	3
Environmental Emergency Response	5	4	2
Marine Spatial Ecology and Analysis	30	23	11
Pacific Science	0	10	4
Fisheries Management	0	3	3
Oceans	0	7	6
National	0	5	2

## DATASETS

CANADIAN HYDROGRAPHIC SERVICE	COMPLETED DATE	PUBLISHED DATE	
CHS Pacific Low Water Line NEW	2012	2020	
Pacific EEZ Water Area Polygon NEW	2016	2020	
CHS Pacific High Water Line	2013-2015	2019	
ENVIRONMENTAL EMERGENCY RESPONSE	COMPLETED DATE	PUBLISHED DATE	
Scott Islands Marine National Wildlife Area NEW	2018	2020	
DFO Marine Protected Areas NEW	2016	2020	
Hecate Strait/QCS Glass Sponge Reefs MPA NEW	2017	2020	
Rockfish Conservation Areas NEW	2006	2020	
Pacific Fisheries Management Subareas NEW	2019	2020	
MARINE SPATIAL ECOLOGY AND ANALYSIS	COMPLETED DATE	PUBLISHED DATE	
Important Areas WCVI Ecoregion NEW <ul style="list-style-type: none"><li>Birds</li><li>Coral and Sponge</li></ul>	2009	2020	

<ul style="list-style-type: none"> <li>Geography</li> <li>Invertebrates</li> <li>Fish</li> <li>Other Vertebrates</li> <li>Cetaceans</li> </ul>			
Important Areas PNCIMA Ecoregion <b>NEW</b>	2005	2020	
<ul style="list-style-type: none"> <li>Birds</li> <li>Coral and Sponge</li> <li>Geography</li> <li>Invertebrates</li> <li>Fish</li> <li>Other Vertebrates</li> <li>Cetaceans</li> </ul>			
Important Areas SOG Ecoregion <b>NEW</b>	2009	2020	
<ul style="list-style-type: none"> <li>Birds</li> <li>Sponge Reefs</li> <li>Geography</li> <li>Invertebrates</li> <li>Fish</li> <li>Other Vertebrates</li> <li>Cetaceans</li> </ul>			
Gridded Nearshore Fetch <b>NEW</b>	2020	2020	
Species Distribution Modelling Boundaries <b>NEW</b>	2020	2020	
Floating Structures in the Pacific Northwest	2018	2018	
Diversity, Richness, and Biomass Hotspots	2016	2019	
Temperature, salinity, and currents of coastal BC: bottom waters	2018	2019	
Seamounts	2017	2018	
British Columbia ShoreZone Mapping	2007	2018	
Sponge Reef Areas	2017	2018	
Bottom Substrate Observations	2015	2019	
Shallow substrate model (20m) of the Pacific Canadian coast	Pending	Pending	
Coastal bathymetry (20 m) for Pacific Canadian waters	Pending	Pending	

<div>IN DEVELOPMENT</div>	<div></div>	<div>ADDITIONAL DATASETS</div> <div> <div>Environmental emergency response datasets (mix of public and private data)</div> <div>Pacific marine ecological classification system (PMECS) data</div> <div>Regional 20 m substrate models</div> <div>Species distribution models (Shelf and nearshore north central coast)</div> </div>
		<div>INTEGRATION WITH FGP</div> <div> <div>Export HNAP-valid XML files that can be published to FGP/OpenData</div> </div>
		<div>METADATA VERSION CONTROL</div> <div> <div>Get access to previous versions of metadata that is archived when a dataset resource is updated</div> </div>
		<div>IMPROVED WEB MAPPING PREVIEWS</div> <div> <div>More consistent web mapping previews of spatial data</div> <div>Currently works for some vector layers, but not for any raster layers</div> </div>