GIS Hub Summary: February 2020

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

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

Contact Cole.Fields@dfo-mpo.gc.ca or Kayleigh.Gillespie@dfo-mpo.gc.ca for details

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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
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

CONTROL
Only editors within organizations can publish datasets

OVERVIEW

ORGANIZATION	DATASETS
Canadian Hydrographic Service	5
Environmental Emergency Response	5
Marine Spatial Ecology and Analysis	32
Pacific Science	0
Fisheries Management	0
Oceans	0
National	0
Fish and Fish Habitat Protection Program (FFHPP) NEW	0

DATASETS

CANADIAN HYDROGRAPHIC SERVICE	COMPLETED DATE	PUBLISHED DATE
Bottom Qualities and Classification DFO Pacific Region NEW QA/QC	2015	2020
Pacific Kelp NEW QA/QC	2020	2020
CHS Pacific Low Water Line	2012	2020
Pacific EEZ Water Area Polygon	2016	2020
CHS Pacific High Water Line	2013-2015	2019

ENVIRONMENTAL EMERGENCY RESPONSE	COMPLETED DATE	PUBLISHED DATE
Scott Islands Marine National Wildlife Area	2018	2020
DFO Marine Protected Areas	2016	2020
Hecate Strait/QCS Glass Sponge Reefs MPA	2017	2020
Rockfish Conservation Areas	2006	2020
Pacific Fisheries Management Subareas	2019	2020

MARINE SPATIAL ECOLOGY AND ANALYSIS	COMPLETED DATE	PUBLISHED DATE
Shallow substrate model (20m) of the Pacific Canadian coast	2019	2020
Important Areas WCVI Ecoregion	2009	2020

- Birds
- Coral and Sponge

- Geography
- Invertebrates
- Fish
- Other Vertebrates
- Cetaceans

Important Areas PNCIMA Ecoregion	2005	2020

- Birds
- Coral and Sponge
- Geography
- Invertebrates
- Fish
- Other Vertebrates
- Cetaceans

Important Areas SOG Ecoregion	2009	2020

- Birds
- Sponge Reefs
- Geography
- Invertebrates
- Fish
- Other Vertebrates
- Cetaceans

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	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
Coastal bathymetry (20 m) for Pacific Canadian waters	Pending	Pending

IN DEVELOPMENT

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