

Data Sources

Layer Group or Name <i>(links to Project Descriptions)</i>	Object Type	No. of Objects / Coverage	Date Updated	Reports, Downloads and Links	Visible Scales (M=million, K=thousand)	Links to Sources of Data *
UNBC/LGL Report	Polygon	70 Layers x 413 Polygons	2005	none	all scales	UNBC
Georgia Basin Sponge Reefs	Polygon		2005	none	all scales	NRCan
Bowie Proposed MPA	Polygon		2005	DFO	all scales	DFO
Petroleum Generation Potential	Polygon		2004	none	all scales	EnergyBC
Seismic Survey Lines	Line	9 lines	2003	Seismic Profiles	all scales	MEM/PTB
Tanker Exclusion Zone	Line, Point	1 line, 4 points	2006	none	all scales	Canadian Coast Guard
Cruise Ship Routes	Line		2003	none	all scales	Alaska Cruise
Hydrometric and Water Quality Stations	Point		2003	Environment Canada: Station Information	all scales	NRCan
Queen Charlotte Basin outline	Line		2003	none	all scales	CSPG

Sedimentary Thickness of QCI Basin	Polygon		2003	none	all scales	NRCan
Bathymetry contours	Line		2003	none	all scales	NRCan
QC basin coastal zone (20 km)	Line		2003	none	all scales	NRCan
Exploratory wells	Point		2003	none	all scales	MEM/PTB
Offshore tenure	Polygon		2003	none	all scales	NRCan
Major offshore faults	Line		2003	none	all scales	NRCan
Sponge reefs	Polygon		2003	none	all scales	NRCan
Sponge Reef Protection Areas	Polygon	4 polygons	2003	none	all scales	DFO
Potential Source and Reservoir Rocks	Polygon		2003	none	<1.5M	MEM/GSB ; NRCan
Seeps (Oil & Gas)	Points	47 locations	2003	none	all scales	CSPG
Seafloor gravel deposits	Polygon		2003	none	all scales	MEM/GSB
Seafloor Ti placer	Polygon		2003	none	all scales	MEM/GSB

deposits						
Coastal QCI placer deposits	Point		2003	none	all scales	MEM/GSB
Candidate Central Coast NMCA's	Polygon		2003	none	all scales	ILMB
Potential oil & gas plays (QCB)	Polygon		2003	none	all scales	NRCa
Exploration potential (QCB)	Polygon		2003	none	all scales	NRCa
Coastal basins	Polygon		2003	none	all scales	NRCa
Shoreline Units	Polyline		2003	none	all scales	GeoBC
Pacific Estuaries	Points / Polygons	2663 Records	2004	reports	Polygons > 500,000	PECP
Birds and Mammals Layers	Polygon	107 layers	2003	none	all scales	MSRM; CWS
PNG grid	Polygon		2003	none	incremental to 10M	MEM/GSB ; NRCa
Petroleum Tenure & Wells	Polygon Point	12,000 titles; 14,405 wells	Sept. 2004	reports & table download	all scales	MEM/PTB ; OGC
Pipelines	Line		2003	none	all scales	MEM/PTB ; OGC

COALFILE (Assessment Reports, Boreholes, Trenches, Bulk Samples) Coalfields	Point Polygon	827 reports; 8350 boreholes ; 3324 trenches; 459 bulk samples	1990	reports, table downloads & links to PDF reports and maps	all scales	MEM/GSB
Interior basins	Polygon		2003	none	all scales	MEM/GSB
Climate stations from Environment Canada	Point		2003	linked to climate station data	all scales	EC
Shellfish from Coastal Resource Information System	Polygon Point	57 layers	2003	none	all scales	ILMB ; CRIMS
Marbled Murrelet Endangered Species	Point		2002	none	all scales	CMN
Habitats and Species Concentrations (Algae, Eelgrass, Eulachon, Herring, Kelp, Juvenile fish, Salmon)	Polygon Point		2002	Eelgrass, Eulachon, Salmon Holding, Salmon Migration	<2M	CMN

Fisheries (Clam, Abalone, Anchovy, Geoduck, Groundfish, Octopus, Scallop, Sea Cucumber, Shrimp, Squid, Crab, Herring, Prawn, Salmon, Sport Fish, Urchin)	Polygon Point		2002	Fishery Report, Crab Fishery, Prawn Trap, Salmon Troll, Salmon Net, Sport Fish	<2M	CMN
Fish and Shellfish Farms	Polygon Point		2002	none	all scales	CMN
Eulachon (UBC, FISS)	Polygon Point		2002	Fish Farms, Shellfish Farms	all scales	CMN
Community Updates - Central Coast LRMP layers (Clam, Groundfish, Herring, Kelp, Prawn, Salmon, Sea Cucumber, Shrimp, Squid)	Polygon Point		1999	none	<2M	CMN
Tectonic Assemblage BCGS & GSC Tectonic Belts & Terranes	Polygon	17,472 BCGS 33,078 Yukon	1994	downloads	incremental to 10M	MEM/GSB; NRCan

Bedrock Geology BCGS & GSC (1:5M, 1M, 250K resolution)	Polygon, Line	60,000; 180,570	1994	legend reports & downloads	incremental to 10M	MEM/GSB; NRCan
Detailed Geology (1:20K)	Polygon, Line, Points	1:50K areas	periodically	legends & tables	<2M	MEM/GSB
Geology Download	ArcView files (e00)	100% (1:250K maps)	1998	E00 file & SHP file downloads	all scales	MEM/GSB
Mineral Potential	Polygon	3823 polygons; 750 tracts	1998	data report & download	all scales, 500K, 2M, 5M	MEM/GSB
Aggregate Pits & Potential	Point, Polygon	725 pts / Nanaimo, Okanagan, Prince George, Sea-to-Sky, Sunshine Coast	periodically	table and SHP file downloads	all scales, 500K	MEM/GSB
Terrain & Slope Stability	Polygon, Raster	> 150 map projects	2001	download TIFF files	various scales	MEM/GSB
Mineral Occurrences - MINFILE	Point	12,099	monthly	data reports & downloads; links to MINFILE	all scales	MEM/GSB
Assessment Reports - ARIS	Point	26,410	monthly	data reports & downloads; and links to	all scales	MEM/GSB

				ARIS data and PDF reports		
Regional Geochemistry - RGS (37 elements, pH, F & U in water)	Point	50,819	April 2003	project & complete data download	<1M	MEM/GSB
RGS - Till Data	Point	3725	Nov. 2002	complete data download	<1M	MEM/GSB
Mineral Tenure	Polygon	41,000	periodicall y	report & links to MIDA data and PDF maps	<1M, <3M	MEM/MTB
Crown Grants	Raster image	100%	periodicall y	view & download TIFF files	<200K	MEM/MTB
Topography (1:6M, 2M, 1M, 250K, 50K, 20K resolution; Colour Contours, TRIM Contours, Roads, Rail, Rivers, Lakes, Glaciers, Coast, Bathymetry, Aquifers)	Points, Polygon , Line	very large; 7000 TRIM maps; 1122 aquifers	variable; TRIM 1996	some downloads	variable scales for different resolutions	ILMB ; MOE ; NRCAN ; CMN
Geographic Locations	Point,	41,500	1998	none	all scales	ILMB

(Map Grids, Gazetteer, Municipalities)	Polygon					
Administrative Areas (First Nations, Parks, Forestry, LRMP areas, Regional Districts, Mining Divisions)	Polygon	multiple	variable	none	all scales	MEM ; ILMB ; MOFR
DEM Shaded Relief	Raster image	100%	1999	none	all scales, 300K, 1M	MSRM
LandSat	Raster image	95%	1999	none	all scales, 300K, 1M	ILMB ; NRCan/CCRS
Aeromagnetics	Raster image	85%	2000	none	all scales, 300K, 1M	NRCan/GDC
Gravity	Raster image	100%	1999	none	all scales	NRCan/GDC
Shaded Relief	Raster image	coastal area only	2003	none	all scales	NRCan/GDC
Shaded Relief Bathymetry	Raster image	coastal area only	2006	none	all scales	USGS

***Abbreviations:** MEM=[BC Ministry of Energy and Mines](#); GSB=[BC Geological Survey Branch](#); MTB=[Mineral Titles Branch](#); OGD=[Oil & Gas Division](#); OGC=[Oil & Gas Commission](#); ILMB=[formerly Integrated Land Management Bureau now GeoBC](#); CRIMS=[Coastal Resource Information Management System](#); MOE=[Ministry of Environment](#); MOFR=[Ministry of Forests](#); NRC=[Natural Resources Canada](#); GSC=[Geological Survey of Canada](#); CCRS=[Canada Centre for Mapping and Earth Observation](#); GDC=[Geophysical Data Centre](#); CMN=[Community Mapping Network](#); CWS=[Canadian Wildlife Service](#); MAL=[Ministry of Agriculture & Lands](#); DFO=[Fisheries and Oceans Canada](#); CSPG=[Canadian Society of Petroleum Geologists](#); USGS=[United States Geological Survey](#)