Community Mapping Network

Selected Coastal Atlases and Information Systems in British Columbia, Canada
Outline

• Community Mapping Network cmnbc.ca
• Pacific Coastal Resources Atlas for BC cmnbc.ca
• The Living Atlas (Ecotrust)
• BC Marine Conservation Analysis
• Coastal Resource Information System
• FREMP and BIEAP Program cmnbc.ca
• Forage Fish cmnbc.ca
• Eelgrass cmnbc.ca
• Shorekeepers cmnbc.ca
• Spartina Invasive species cmnbc.ca
• Pacific Region Contaminants Atlas cmnbc.ca (not released)
Welcome to the new Community Mapping Network (CMN) website. The CMN helps communities in British Columbia and Canada map sensitive habitats and species distribution. Information is integrated from many sources to assist landuse planning and is freely available in over sixty user friendly atlases. The atlases have links to local and remote databases, WMS sources and geo-referenced video. The CMN supports Sensitive Habitat Inventory and Mapping (SHIM) projects and provides customized data entry, digitizing and other tools. By providing accurate and up to date information, the CMN and its many partners will help plan sustainable communities. Continue reading about the Community Mapping Network

Please note: CMN has new web atlases that work on Macs and PCs without a browser plug-in. Some original CMN atlases (to be revised soon) can only be viewed on a PC and still require a free browser plug-in. Get free plug-in here.

Using our new Home Page Map. You can quickly navigate to partner atlases. You can zoom-in with a left mouse double click and zoom-out with a right mouse double click. You may have to slow down the click speed in your mouse preferences to make it work easily or just double click very fast!

Choose an Atlas:

1) Select from our list:

Mapguide Enterprise for PC and MAC  -  Choose

2) Atlases By Type

SPECIES AND HABITAT MAPPING
COMMUNITY MAPPING  (21%)
COMMUNITY INVOLVEMENT & STEWARDSHIP  (17%)
ENVIRONMENTAL INDICATORS AND MONITORING  (17%)
REGULATORY  (4%)
SPECIES  (4%)
GREEN MAPPING  (2%)
INVASIVE SPECIES  (2%)
ENVIRONMENTAL CONTaminants  (2%)
CULTURAL  (1%)

Quick links to Partner atlases on the Community Mapping Network

Click on a place marker to learn more and link to that Partner's atlas.
Pacific Coastal Resources Atlas for British Columbia CMNBC.CA

• Designed to streamline the collection and dissemination of marine habitat and fishery resource information for coastal BC
• Opportunistic updates, most layers out of date
• Community and stewardship information included (identified by metadata)
• Funding needed to enhance and update
• New King Tide photo update (Climate change)
• Use of open layers
Pacific Coastal Resources Atlas for British Columbia CMN CBC.CA
Living Atlas www.livingatlas.org

- Ecotrust Canada (Clayoquot area)
- Educational tool for sharing cultural information for community planning
- A tool to view logging, wildlife populations, temperature and rainfall changes over time
- Local coastal resource mapping themes
- Easy access to complex data
- Multi media – stories, photos and videos
British Columbia Marine Conservation Analysis (bcmca.ca)

welcome

The British Columbia Marine Conservation Analysis (BCMCA) is a collaborative project designed to provide information about marine biodiversity and human activity in BC's marine waters.

With the creation of a comprehensive atlas and in-depth analysis, we are providing tools to help inform decisions about ocean management. Learn more »
Bcmca.ca

• Marine biodiversity and human activity in BC’s marine waters
• Tools help inform ocean management decisions (Marxan modelling)
• Static maps of species distributions and habitats
• A richness map of combined ecological data
• Map showing where data is lacking
BCMCA ATLAS study area
BC Coastal Resource Information System

http://webmaps.gov.bc.ca/imf5/imf.jsp?site=dss_coastal

- Presentation last year by Carol Ogborne
- Interactive map for viewing a wide variety of coastal and marine data
- Updates are ongoing?
Burrard Inlet Environmental Action Program & Fraser River Estuary Management Plan Atlas CMNBC.ca

- 20+ inter-governmental partnerships established to coordinate environmental management
- Key atlas layers Orthophotos of the FREMP area (2002)
- Habitat Classification (Colour Coding) Habitat Inventory of the Fraser River Estuary, red, yellow and green classification 2002-2003 actively updated
- Shoreline inventory Burrard Inlet 09
- Shoreline video
Burrard Inlet Environmental Action Program & Fraser River Estuary Management Plan Atlas
Forage Fish Atlas and Data Management System cmnbc.ca

- Lead by BC Shore Spawners Alliance
- Map forage fish species and habitat
- Surf smelt and sand lance
- Volunteers and Stewardship groups
- DFO funded
- Several years of sampling to be uploaded via excel upload tools
Eelgrass Bed Atlas and information management system for British Columbia cmnbc.ca

- Lead by Seachange Society
  seachange@shaw.ca
- Over 22 coastal communities volunteers and stewardship groups
- Excel and shapefile upload tools
- Uses spatial oracle to manage data
Shorekeepers Monitoring Atlas and information management system

• Active participation by local people and communities
• Understanding dynamics of intertidal habitats
• Monitoring sites are opportunistic
• Detects change plants and animals due to a nearby activity or industry
Spartina Invasive Species Mapping and Control cmnbc.ca

- Drift card program
- System used to map and manage Spartina
- Puget Sound information included
- Submit Spartina data forms via excel
Pacific Region Contaminants Atlas

- Fisheries and Oceans Canada, Environment Canada, CMN
- Interest in take over by EPA and EC
- Wastewater discharges, point and non point sources (geo-referenced database and document library)
- Continental Oceanographic Data information System
- Environmental Resource layers
- Not officially released yet