Tenures - Feature Count

description

One of the goals of BC Marine Conservation Analysis (BCMCA) is to collaboratively identify marine areas of high conservation value and areas important to human use in Canada's Pacific Ocean, and to make these products available for use in marine planning. In order to identify areas important to human use the BCMCA ran individual Marxan analyses for each of six sectors of marine use (commercial fishing, ocean energy, shipping and transport, sport fishing, tenures and recreation and tourism). The features used in these analyses are illustrated in the *Marine Atlas of Pacific Canada* and represent where and how each sector uses the marine resources of the Canadian Pacific.

Private use of Crown land and coastal and marine resources is partially managed through a system of tenures. The management of Crown land and coastal and marine resources plays a pivotal role in expanding and diversifying the economy, sustaining the environment, and fostering the health and well-being of residents and communities in British Columbia. Crown land is typically, and most commonly, referenced in regards to the province's terrestrial land base, and constitutes 94% of that land base, but it also applies to submerged lands (i.e., those lands covered by water) including tidal lands (i.e., the shoreline). Provincial Crown land includes the seabed floor of inland waters whereas the Federal Crown land extends over the seabed floor in offshore areas, as well as in designated ports and federal protected areas. The Province of BC and some First Nations have confirmed government to government arrangements through which they can work collaboratively on shared decision making respecting lands and natural resources. Only provincial tenures are illustrated in the BCMCA tenures map series and were used the Marxan analyses.

This map was generated by overlaying all the tenure features that the BCMCA collated to go into the Marxan analysis. The map illustrates the number of different tenure features that inform each 2 kilometre by 2 kilometre planning unit. There were a total of 17 tenure features used in the Marxan analysis, differentiated by the provincially categorized purpose of the tenure. Two of these are aquaculture features, one is log handling and storage, four are residential marine features, three are commercial and industrial uses and seven represent utilities. As the facing map shows, up to eight of them overlapped in some of the planning units.

Seventeen tenure features were included in this tally:

- Cathodic Site / Anode Beds
- Commercial Uses
- Electric Power Line
- Energy Production
- Finfish Aquaculture
- Floating Cabin
- Floating Community
- Gas and Oil Pipeline
- Industrial Uses
- Log Handling and Storage
- Miscellaneous Utilities
- Private Moorage
- Sewage / Effluent Line
- Shellfish Aquaculture
- Strata Moorage
- Telecommunications Line
- Water Line

Although they may occur in coastal areas, not all provincially issued tenures are displayed by the BCMCA, because they were not relevant to the six marine use sectors (e.g., urban residential, roadway, airport, trapline cabin). In addition, some provincially issued tenures were directly related to other sectors and were therefore tallied in the feature count maps for those sectors and not included in the tally for this map. These tenure types are:

- 9 Commercial Recreation uses (tallied in the feature count map for the Tourism and Recreation sector)
- 13 Environmental, Conservation and Recreation Uses (5 tallied in the feature count map for the Tourism and Recreation sector; 8 considered land-based and displayed on Tourism and Recreation atlas pages but not used in Marxan analyses or feature count map)
- 3 Commercial uses (used to create the Tourism and Recreation, Marinas and Coastal Facilities feature)
- Boat Havens (tallied in the feature count map for the Tourism and Recreation sector)
- Public Wharves (tallied in the feature count map for the Tourism and Recreation sector)
- Transmission Lines and Wind Energy uses (tallied in the feature count map for the Ocean Energy sector)
- Ferry Terminals (tallied in the feature count map for the Shipping and Transportation sector)

data sources

- Province of British Columbia, Ministry of Forests, Lands and Natural Resource Operations, GeoBC
- Province of British Columbia, BC Ministry of Agriculture and Lands (via GeoBC)

(Note: Please see individual feature atlas pages and/or metadata for feature specific data sources.)

data resolution

- Features were tallied by their presence in 2 kilometre by 2 kilometre planning units.

date compiled

- 2010

reviewers

- Not reviewed.

reviewer comments

- None provided.

caveats of use

- Tenures are issued and expire over time. The data used in this overlay are from 2008 and 2010 databases. They reflect past tenure allocations and may not reflect current or future reality. The latest release of these data from the BC Land and Resource Data Warehouse should be gathered before use.
- Not all sites where tenures are issued are active at any given time.
- Tenures, even within the same purposes, each have a different economic value. Areas over which tenures have been issued should not be considered to have a similar economic value.
- Please see individual feature atlas pages and metadata for feature or tenure specific caveats.
- Recommended date of expiry for use of these data in a Marine Planning context: none provided, but please see first caveat.

map, feature data and metadata access

- Visit *www.bcmca.ca/data* for more information.

BCMCA Atlas

Tenures

Feature Count

Legend

Feature count
(by planning unit)

- 1
- 2
- 3
- 4
- 5
- 6 - 8

Note:
- Classification based on 6 quantiles.

Data Sources:
Province of British Columbia

Base Data:
ESRI Base Data, GeoBase, GeoBC, NOAA, Natural Resources Canada, USGS, Washington State Government

Thematic Data:
For more information on data sources and methods please refer to the facing page to this map

Projection: BC Albers NAD83

0 25 50 75 100 125 150
Kilometres

0 25 50 75
Nautical Miles

1:4,250,000 *

* Written scales are approximate and are based on a 11 x 17 inch paper size.

Prepared for:

BC Marine Conservation Analysis

Map template by Caslys Consulting Ltd.

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Alaska

Haida Gwaii

British Columbia

Vancouver Island

Washington

PACIFIC OCEAN

Nass River

Skeena River

Fraser River

142°W 140°W 138°W 136°W 134°W 132°W 130°W 128°W 126°W 124°W 122°W

54°N 52°N 50°N 48°N 46°N

Inset Map

1:500,000*

Note: The inset has been provided to illustrate the level of detail available in the data. The inset is for illustrative purposes only and does not imply any significance to this region.