Marine Plants – Feather Boa Kelp

description

Feather boa kelp *(Egregia menziesii)* is a lower intertidal to subtidal kelp, which grows on rocks in harsh, wave stress environments. This species of kelp is impressive in its size and the appearance of its branches, which carry a dense fringe of blades, which are dark brown to olive-green in colour. Throughout much of its range, feather boa kelp serves as habitat for the tall-shelled Seaweed Limpet *(Tectura insessa)*, which feeds on the superficial tissues of the kelp. This species of kelp also provides habitat for other marine fauna and is found in similar areas to surfgrass and other species of kelp such as *Macrocystis*. Although feather boa kelp has a wide range along the coast of British Columbia, its distribution is limited by requirements of high salinity and cooler waters.

This atlas page illustrates point locations for feather boa kelp specimens and observations. The records were obtained through the University of British Columbia Herbarium's phycology database and through the Ocean Biogeographic Information System (OBIS). The points obtained from OBIS were originally collected by Parks Canada for the Living Marine Legacy of Gwaii Haanas report and includes all species known on Haida Gwaii from published sources, unpublished scientific observation and accessible specimen collections.

PHOTO: MICHAEL HAWKES

PHOTO: JOCLYNN MCPHADDEN

data sources

- University of British Columbia Herbarium – *Egregia* specimen records
- Parks Canada (obtained through the Ocean Biogeographic Information System) – *Egregia* point locations *www.iobis.org*

data resolution

- The precision of the original coordinate information varies.

date collected

- 1897-2003

date compiled

- 2010

reviewers

- Not reviewed.

reviewer comments

- None provided.

caveats of use

- Survey effort is not consistent across all planning units or across all areas of the coast and some species tend to be under-represented by some survey methods. Areas with no data may not have been surveyed and these data gaps are not necessarily indicative of an absence of Egregia. Some locations may still be important but currently lack associated data to confirm their value.
- This feature is a compilation of data collected by many people, for different purposes, using different survey techniques with different methodologies within each technique and, therefore, considerable care must be taken when using the data. Please refer to the original metadata document for data limitations and usage.
- Recommended date of expiry for use of these data in a marine planning context: None provided.

map, feature data and metadata access

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

references

- Sloan, N.A. and P.M. Bartier Living marine legacy of Gwaii Haanas I: Marine plant baseline to 1999. In: Parks Canada-Technical Reports in Ecosystem Science . OBIS Canada, Bedford Institute of Oceanography, Dartmouth, Nova Scotia, Canada, 2004, Version 1, Digital. Retrieved from *www.iobis.org.*
- Species description contains material from: University of British Columbia, Lab for Advanced Spatial Analysis, Department of Geography. E-Flora BC: Electronic Atlas of the Plants of British Columbia. 18 August 18, 2010. *www.eflora.bc.ca*

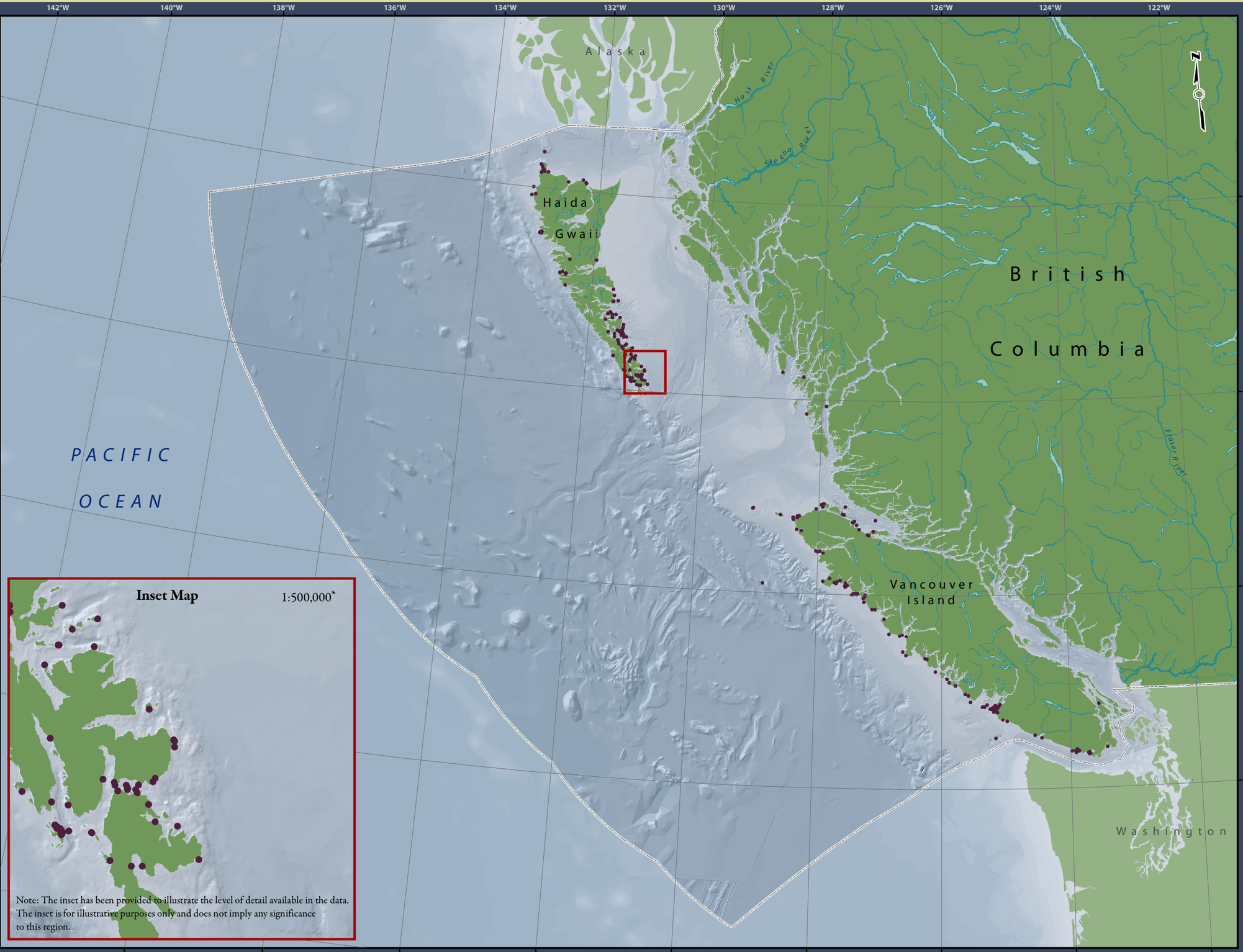
BCMCA Atlas

Marine Plants

Feather Boa Kelp

Legend

- Feather Boa Kelp (*Egregia menziesii*)



Data Sources:
Parks Canada (obtained through the Ocean Biogeographic Information System), University of British Columbia Herbarium

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.

August 18, 2010