

# Marine Protection Areas in Pacific Canada – MPnA Decision Support Tool

Huy ch q'u to Charlie Short

## MPnA Database Objective

The Marine Protection Area (MPnA) Decision Support Tool is to provide a variety of user groups a transparent reporting tool to facilitate analyses and visualization of the characteristics of current MPnAs in Pacific Canada.



# Core Database Functionality

- Generate reports on MPnAs
- Facilitate gap analysis of MPnAs
- Enable visualisation of user defined selections
- Allow for customized data integration
- Facilitates a standard, transparent reporting tool



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Marine Protection Area Decision Support Tool

Logged in as **MPnA Administrator**

## Home

Welcome to the Marine Protection Area Decision Support Tool.

- [What is a Marine Protection Area \(MPnA\) and what is a system of MPnAs?](#)
- [What is the Marine Protection Area \(MPnA\) Decision Support Tool?](#)
- [Tutorial and instructions for the MPnA Decision Support Tool](#)
- [Types of data used in the MPnA Decision Support Tool](#)
- [Partner agencies](#)

About the Marine Protection Area Portal

Summary Reports: Protected Area and Summary Area Reports

Marine Features Reports

Benthic-Pelagic and Shoreline Reports

Maps

Upload User-Defined Feature

Offline Processing Queue

Map Viewer

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Main Index  
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 Logged in as MPMA, Administrator

### Summary Reports: Protected Area and Summary Area Reports

**Protected Area Reports**

Anne Valley (Triangle Island) Ecology  
 Apodaca Park  
 Bannock Ecological Reserve  
 Banks Nii Lualukun Conservancy  
 Beesford Island Ecological Reserve  
 Big Buncby Marine Park  
 Bishop Bay Conservancy  
 Elgin Island Marine Park  
 Hockley Ridge Park  
 Bowie Seamount

Select one Protected Area and choose an Output format to generate a summary report

**Summary Area Reports**

Protected Area by PA Type  
 Protected Area by IUCN Code  
 Protected Area by Region  
 Protected Area by Ecoregion  
 Benthic Areas for PAs  
 Pelagic Areas for PAs  
 Shoreline Lengths for PAs

Select one Report Type and choose an Output format to generate a summary report

**Report Format**

PDF  
 XLS  
 HTML

Back Next

Marine Protection Area - Summary Reports: Protected Area and Summary Area Reports - Windows Internet Explorer

http://geo.bc.ca/.../marineprotectionarea/summaryreports/protectedareaandsummaryareareports.aspx

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GeoBC Google Earth  
Main Index  
Contact Us

BC Home > GeoBC > SAB > Coastal Programs > Marine Protection Area

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### Summary Reports: Protected Area and Summary Area Reports

Protected Area Reports Summary Area Reports Report Format

Protected Area Reports Summary Area Reports Report Format

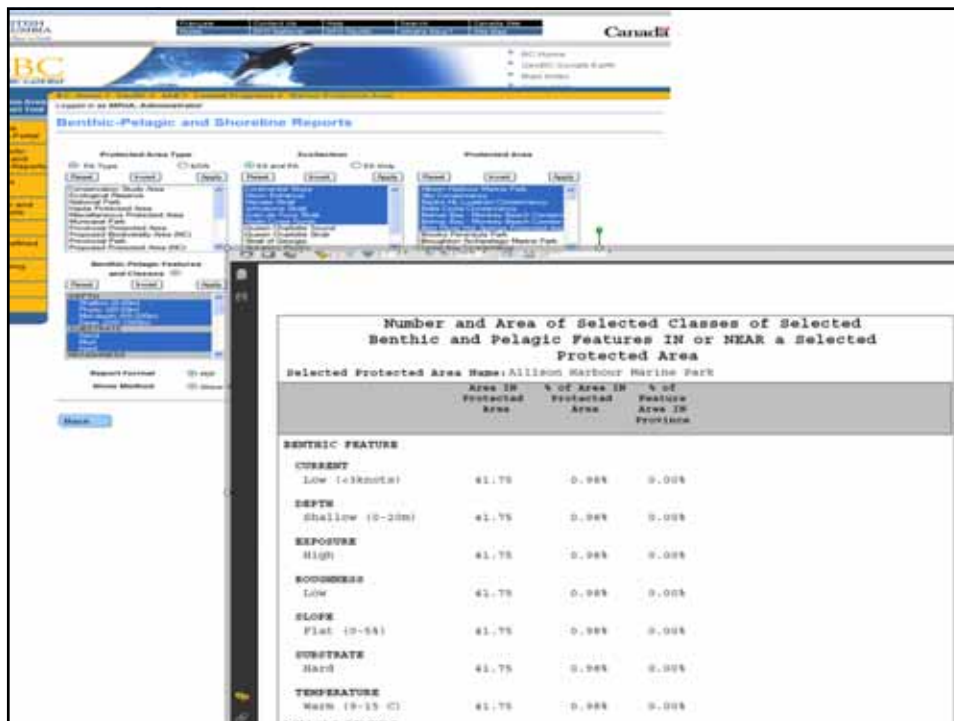
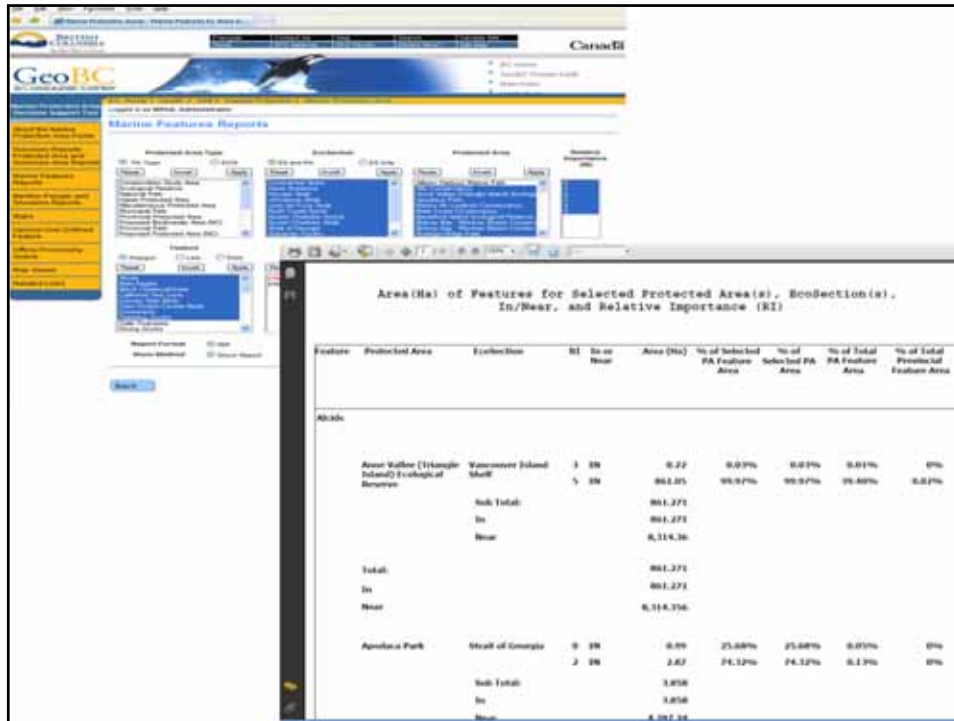
Select one Protected Area and choose an Output format to generate a summary report

Select one Report Type and choose an Output format to generate a summary report

Back

#### Summary Report 1: Protected Area by Protected Area Type

Protected Area Type Name	Protected Area Type Code	Number of Parks	Protected Terrestrial Area (Ha)	Protected Marine Area (Ha)	% of Total Protected Marine Area	% of Total Marine Area in Province
Conservancy	COB	54	1754249.74	137743.05	10.83%	0.30%
Conservation Study Area	CSA					
Ecological Reserve	ER	20	32148.48	51080.56	4.02%	0.11%
National Park	FED					
Haida Protected Area	HDA					
Migratory Birds Sanctuaries	MBS					
Miscellaneous Protected Area	MMA					
Municipal Park	MUN					
National Marine Conservation Area	NMCA					



### Select and Display Maps Page

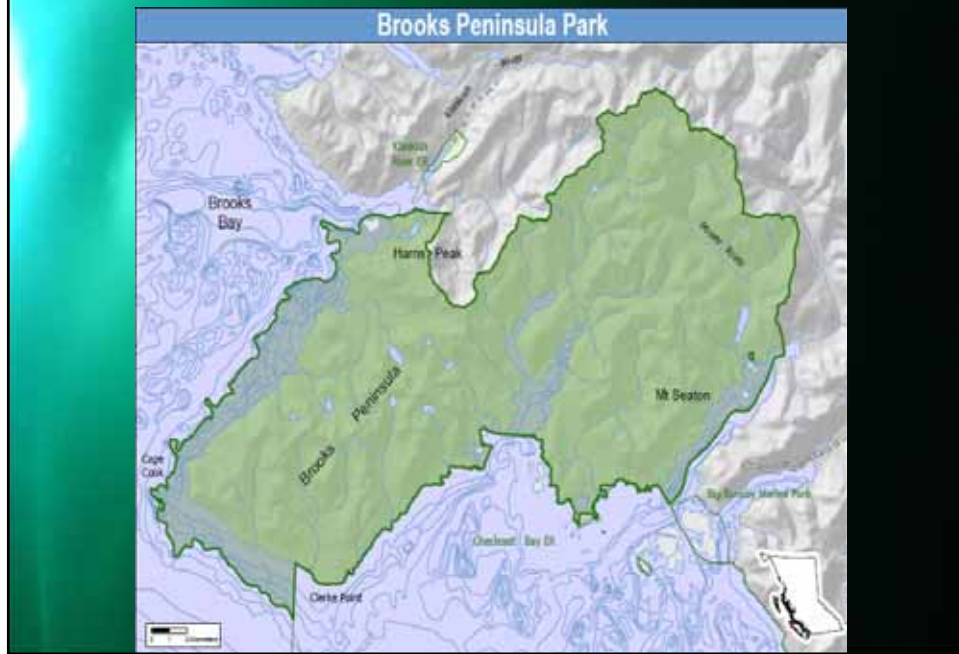


## Regional Maps

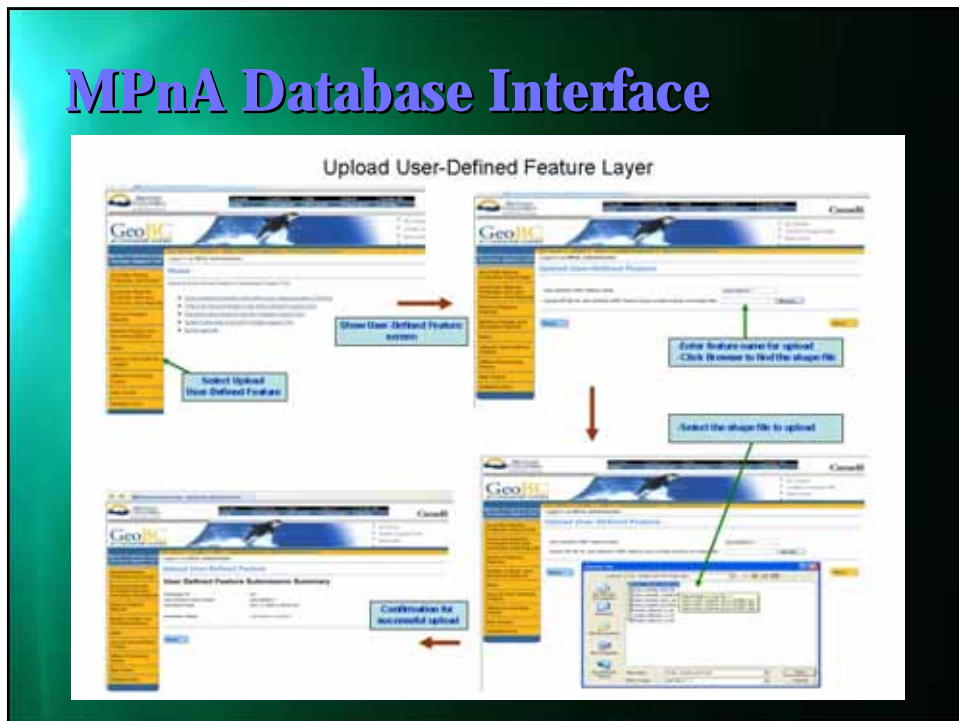


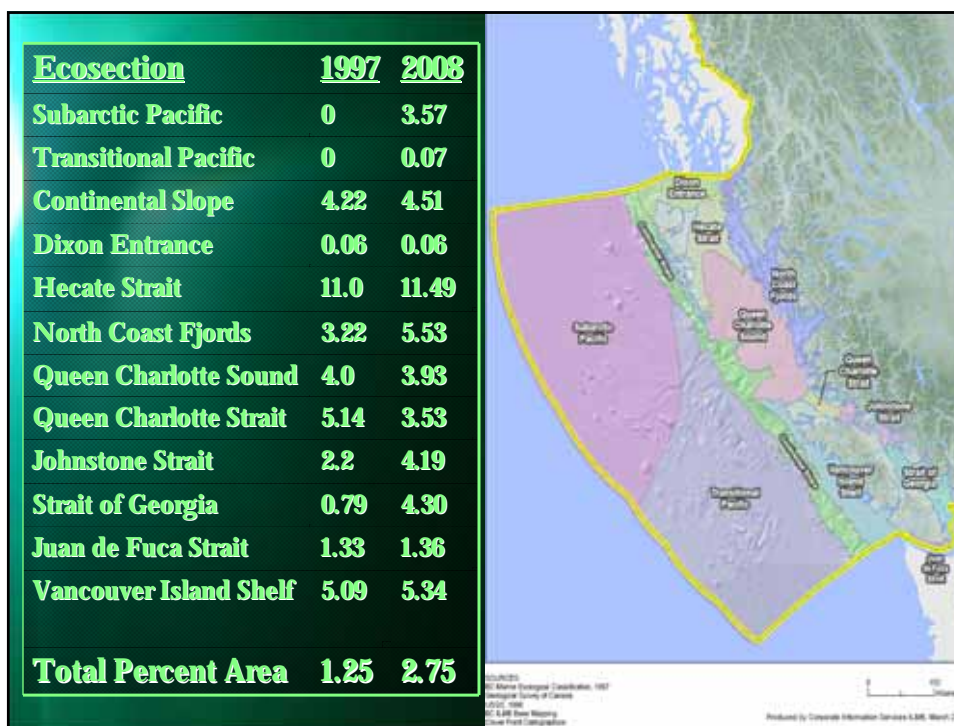


## Individual MPA Maps



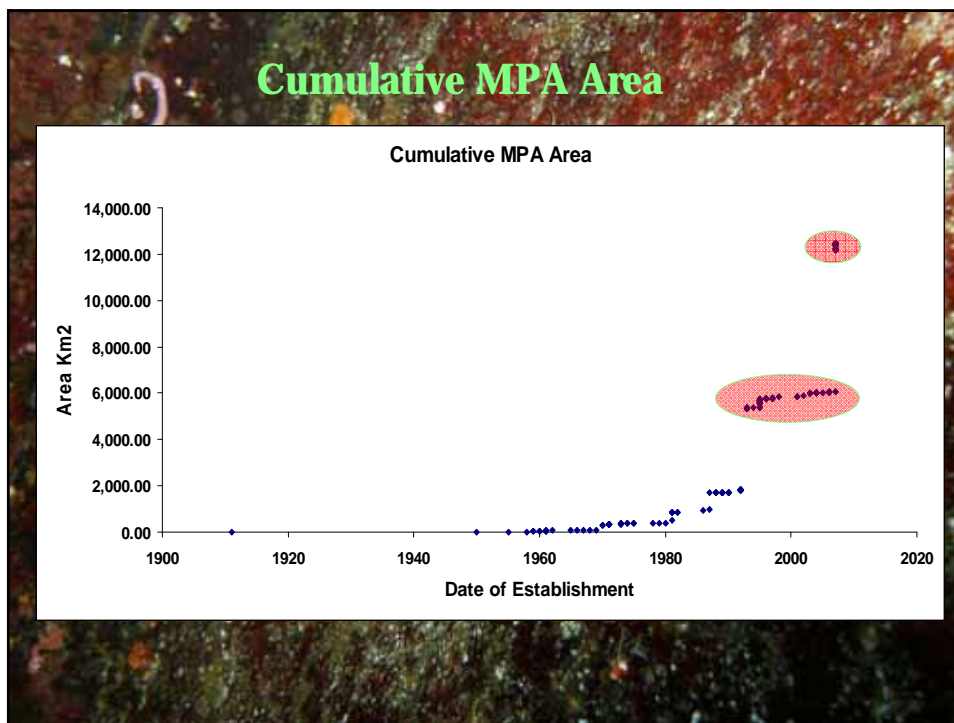
## MPnA Database Interface





<b>Shoreline Type</b>	<b>Total Length km</b>	<b>Length Protected km</b>	<b>Percent</b>
Unclassified	1,494	245	16
Channel	59	10	17
Estuary, Marsh or Lagoon *	80,234 ha	20,734 ha	25
Gravel Beach	1,274	156	12
Gravel Flat	238	50	21
Man-made	418	24	5
Mud Flat	176	15	8
Rock Cliff	10,938	2,208	20
Rock Platform	717	330	46
Rock with Gravel Beach	7,413	1,409	19
Rock with Sand Beach	507	148	29
Rock, Sand and Gravel Beach	4,724	1,184	25
Sand and Gravel Beach	1,442	185	12
Sand and Gravel Flat	2,354	381	16
Sand Beach	523	277	52
Sand Flat	1,608	376	23
<b>Grand Total</b>	<b>36,897</b>	<b>7,621</b>	<b>21</b>

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## Work in progress...

1. Run analyses on intertidal & oceanographic habitat types – *in progress*
2. Run analyses on overlap between existing MPAs and current commercial fishery closures – *in progress*
3. Run analyses on biological representation – *in progress*
4. Determine feasibility of incorporating climate change variables as it relates to the distribution of current MPAs – *in progress*

Máh-sie

Huy Tseep Q'u

## Acknowledgements

Integrated Land Management Bureau, Ministry of Environment (Oceans & Marine Fisheries Division & BC Parks), Ministry of Energy, Mines & Petroleum Resources, Department of Fisheries & Oceans, Parks Canada, Natural Resources Canada & Environment Canada.