

Results Summary

2010 – 2024

Southern Gulf Islands

Bull Kelp Monitoring Collaboration



Galiano
Conservancy
ASSOCIATION

SIMRES

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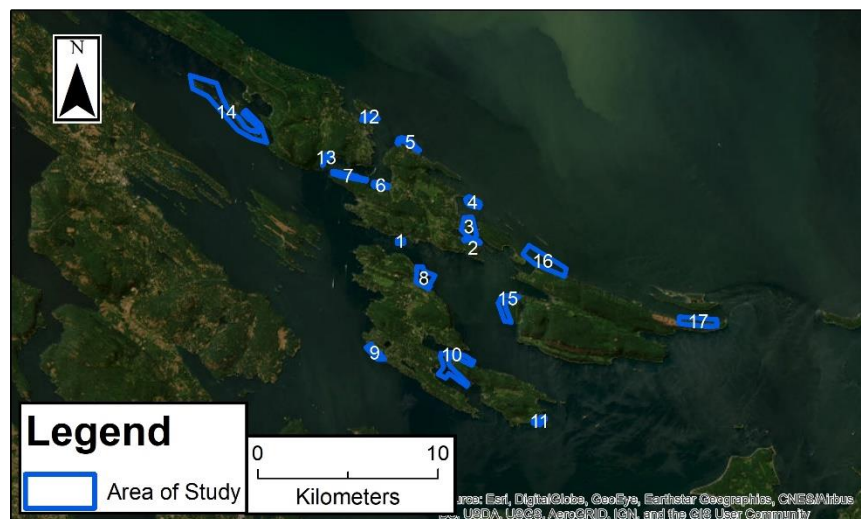


Figure 1. The location of the 17 monitoring sites included in this summary of results. Labeled numbers correspond with page numbers where you will find a profile of individual monitoring sites.

Introduction

The Mayne Island Conservancy coordinates the Southern Gulf Islands Bull Kelp Monitoring Collaboration on behalf of five partner organizations: the Mayne Island Conservancy, the Pender Islands Conservancy Association, the Galiano Conservancy Association, the Saturna Island Marine Research and Education Society (SIMRES), and the Valdes Island Conservancy. This kayak-based monitoring program involves annual monitoring of bull kelp surface extent at select sites throughout the Southern Gulf Islands. The monitoring program began around the shores of Mayne Island in 2010 and expanded to include partner organizations in 2019. This report summarizes the results from 2010-2024 for all sites within the monitoring program for which a minimum of three years of data is available.

The geospatial data associated with this project is publicly available by request from the Mayne Island Conservancy or by [direct download on the Strait of Georgia Data Center website](#).

Acknowledgements

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Mairead Boland, SIMRES
Sofia Silverman, Galiano Conservancy Association
Mark Bonar, Valdes Island Conservancy

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Initial development of project and methodology: Leanna Boyer and Chris Fretwell (Mayne Island Conservancy).

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Fisheries and Oceans
Canada



Pêches et Océans
Canada

Conconi Reef

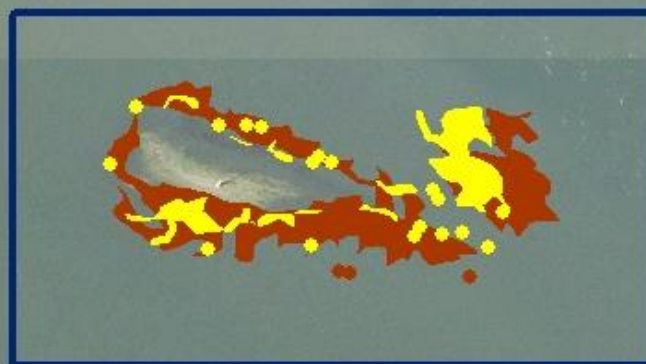
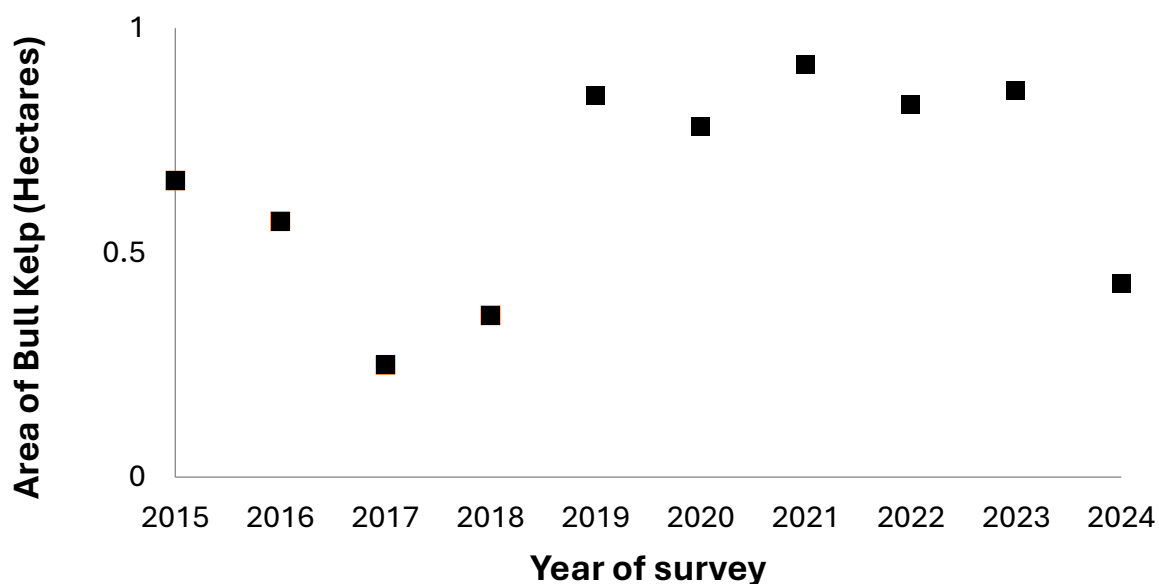
Monitoring organization:
Mayne Island Conservancy

Years of available data:
10 (2015 – 2024)

Bull kelp greatest extent:
0.92 hectares (2021)

Bull kelp least extent:
0.25 hectares (2017)

Conconi Reef



Legend

Min Extent (2017)

Max Extent (2021)

Area of Study

0 100
Meters

East Horton Bay

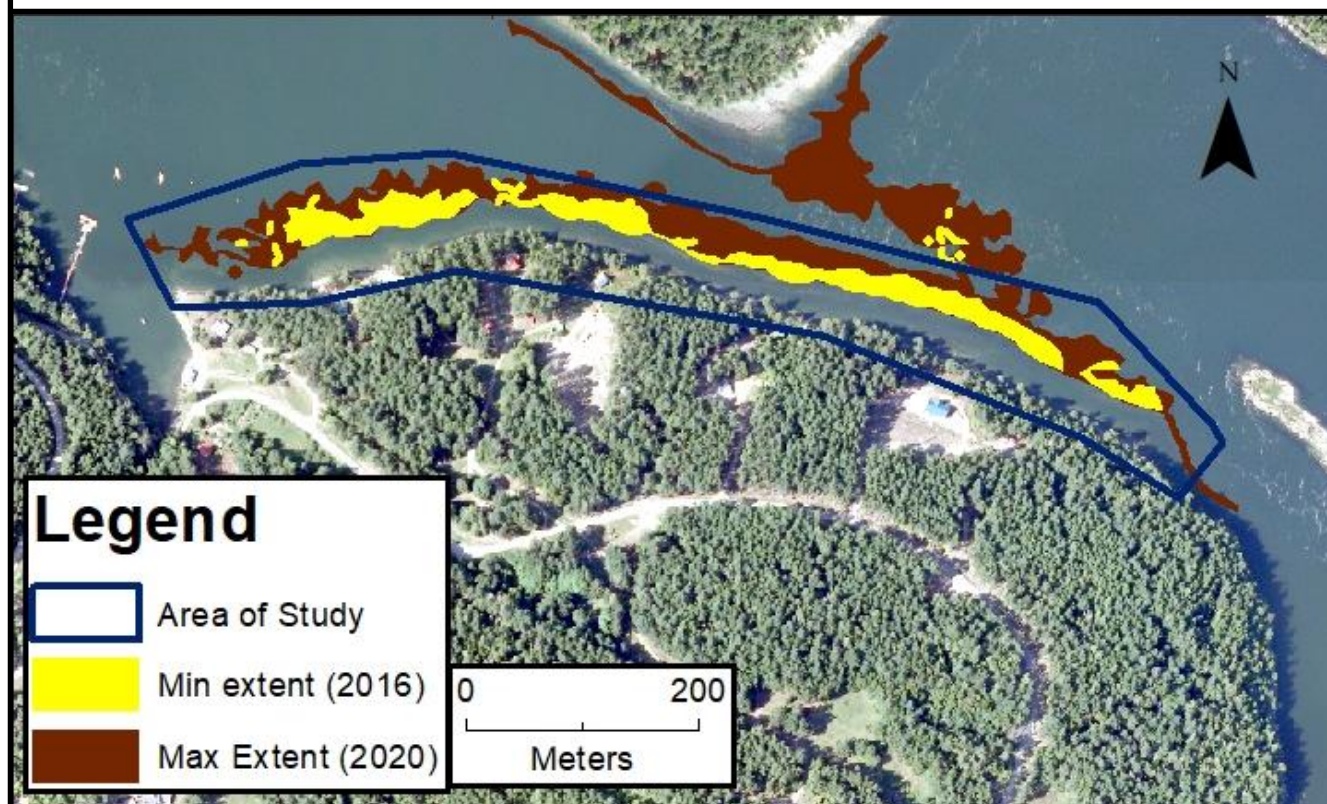
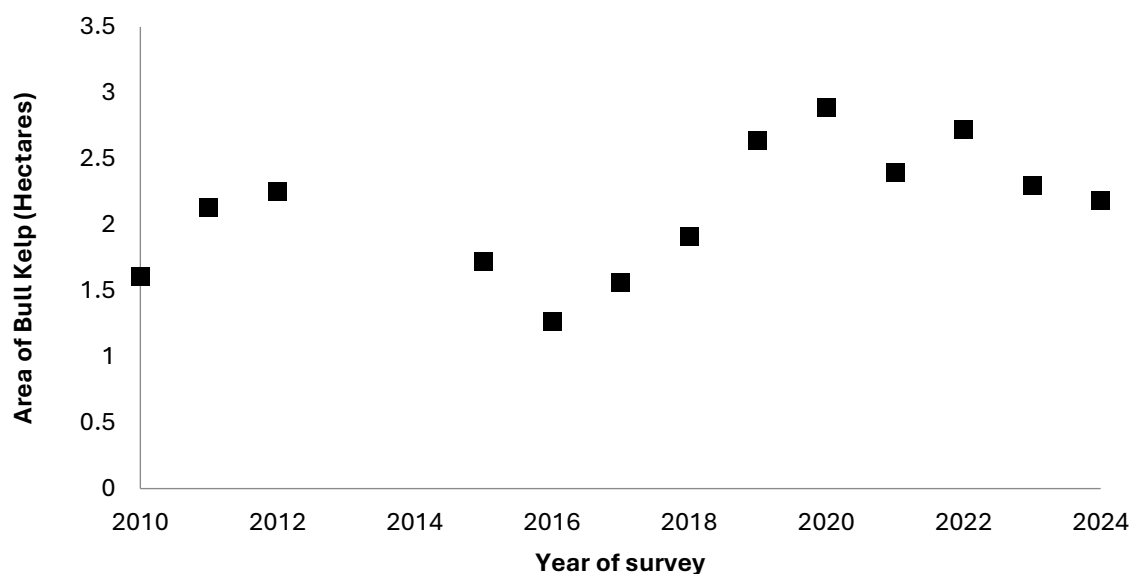
Monitoring organization:
Mayne Island Conservancy

Years of available data:
13 (2010-2012, 2015-2024)

Bull kelp greatest extent:
2.89 hectares (2020)

Bull kelp least extent:
1.27 hectares (2016)

East Horton Bay



Curlew Island

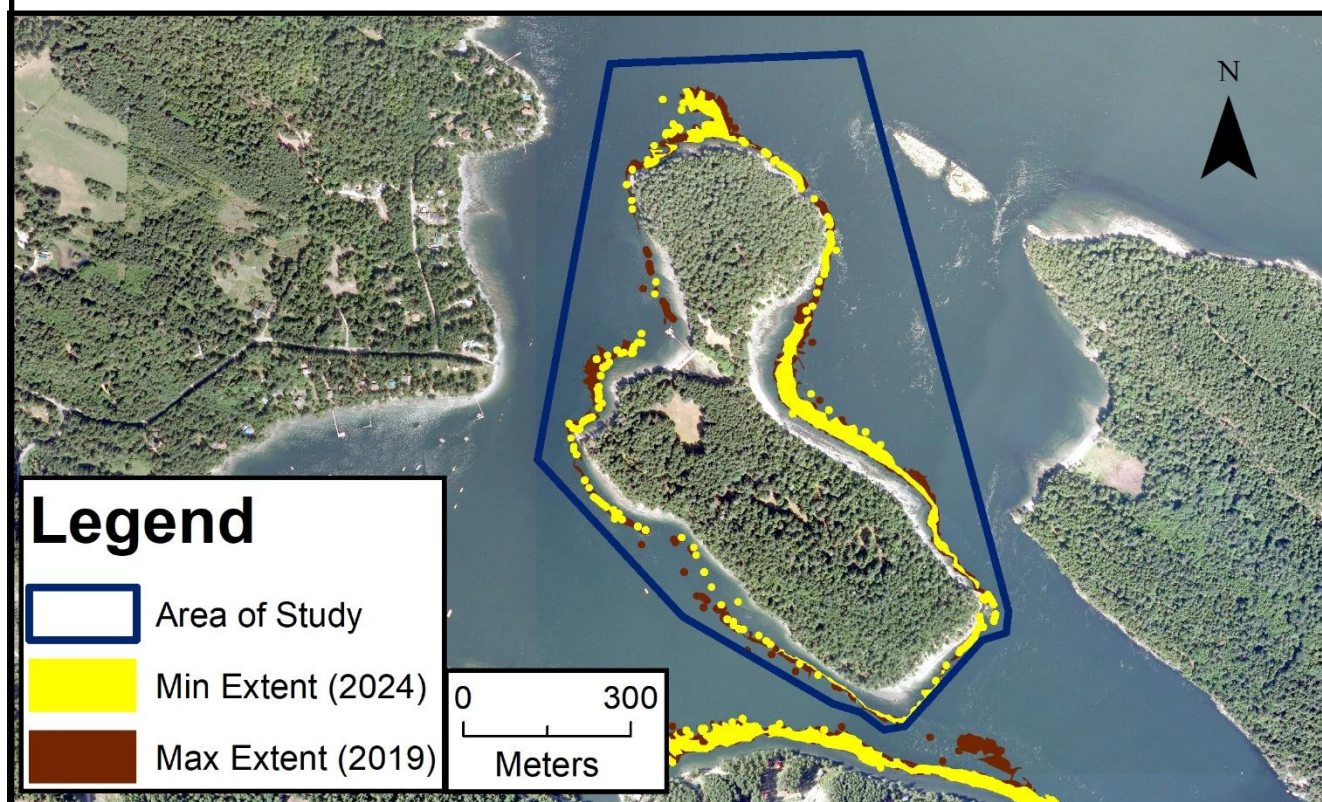
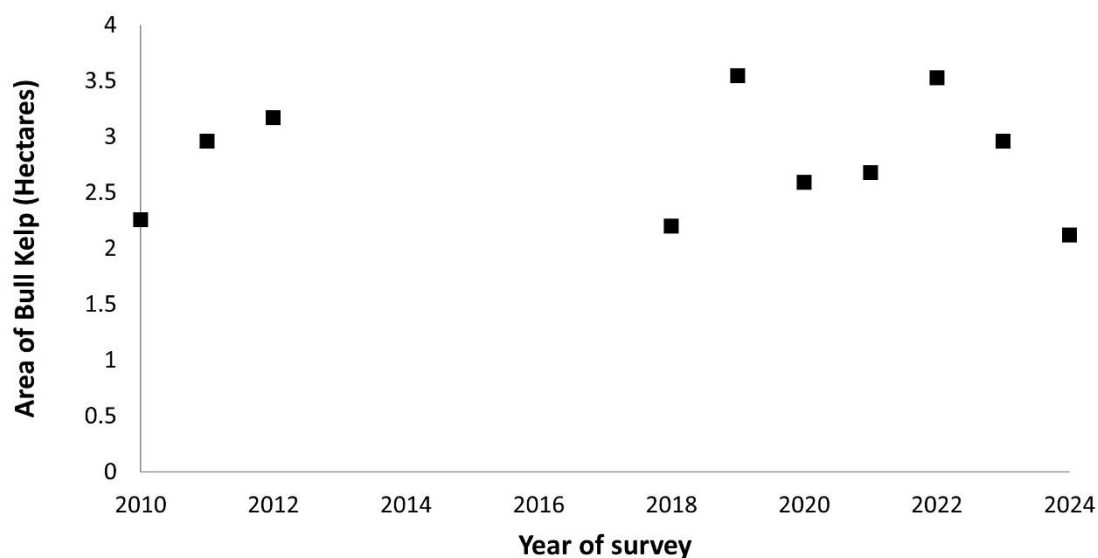
Monitoring organization:
Mayne Island Conservancy

Years of available data:
10 (2010-2012, 2018-2024)

Bull kelp greatest extent:
3.55 hectares (2019)

Bull kelp least extent:
2.12 hectares (2024)

Curlew Island



Georgeson Island

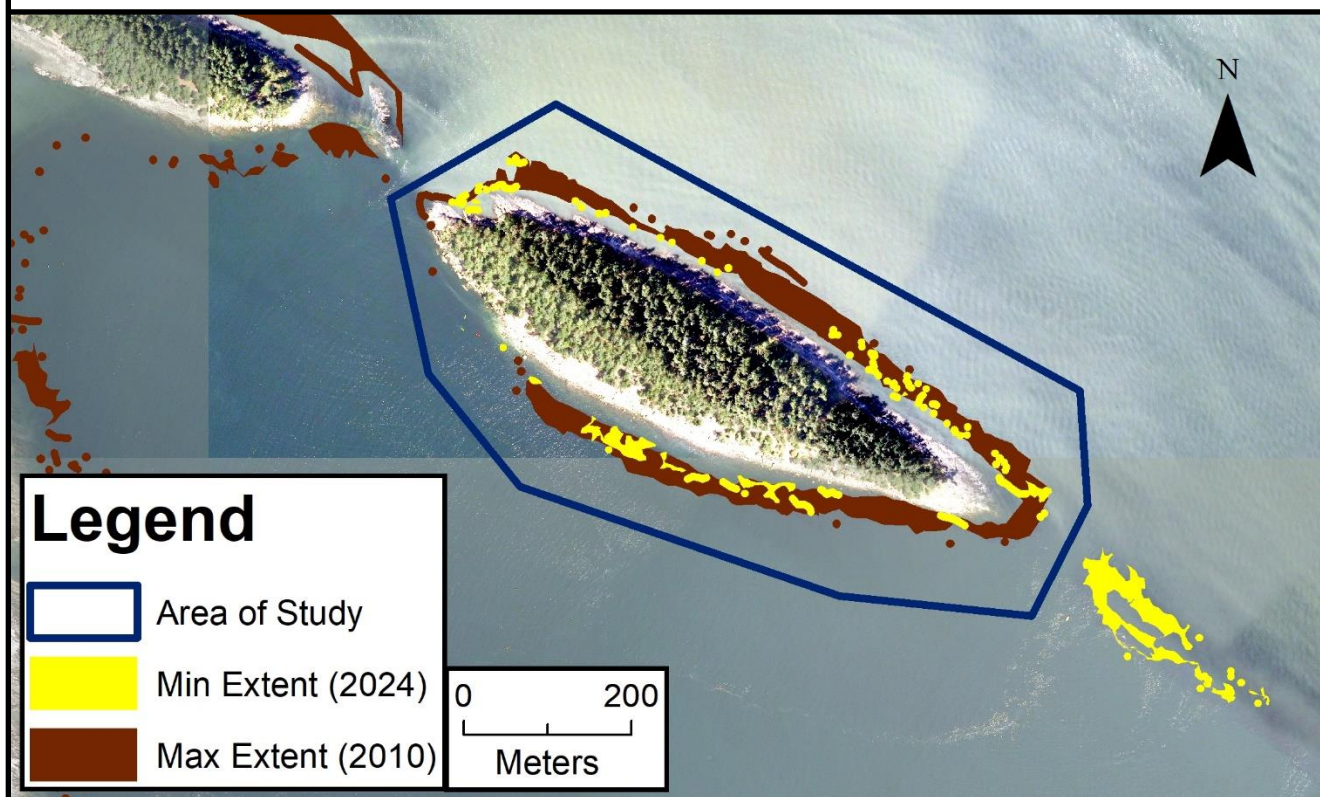
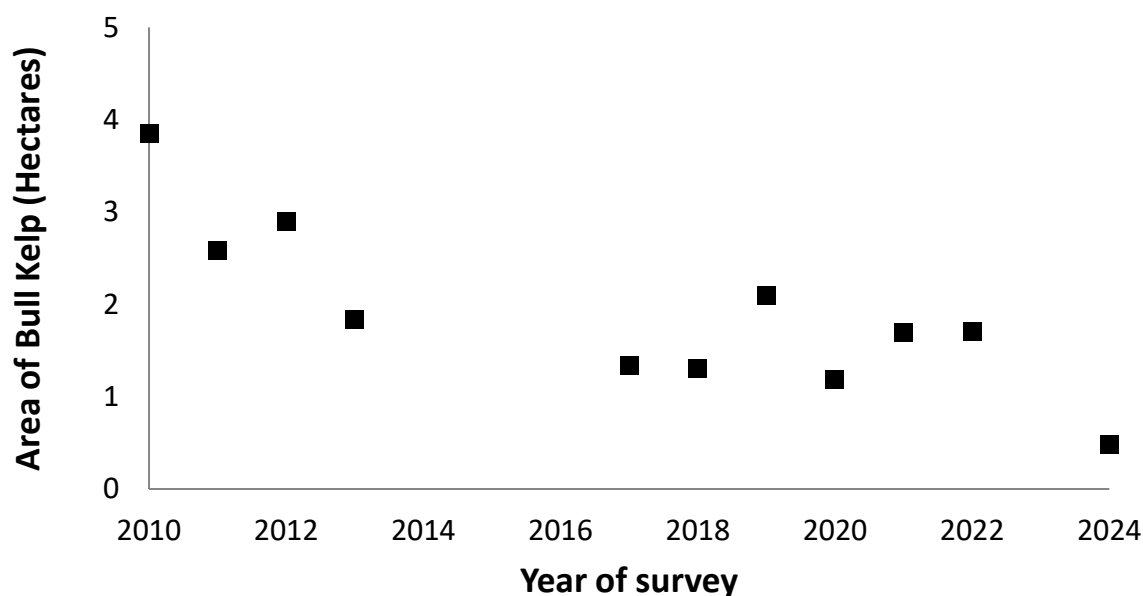
Monitoring organization:
Mayne Island Conservancy

Years of available data:
11 (2010-2013, 2017-2022, 2024)

Bull kelp greatest extent:
3.85 hectares (2010)

Bull kelp least extent:
0.48 hectares (2024)

Georgeson Island



Georgina Point

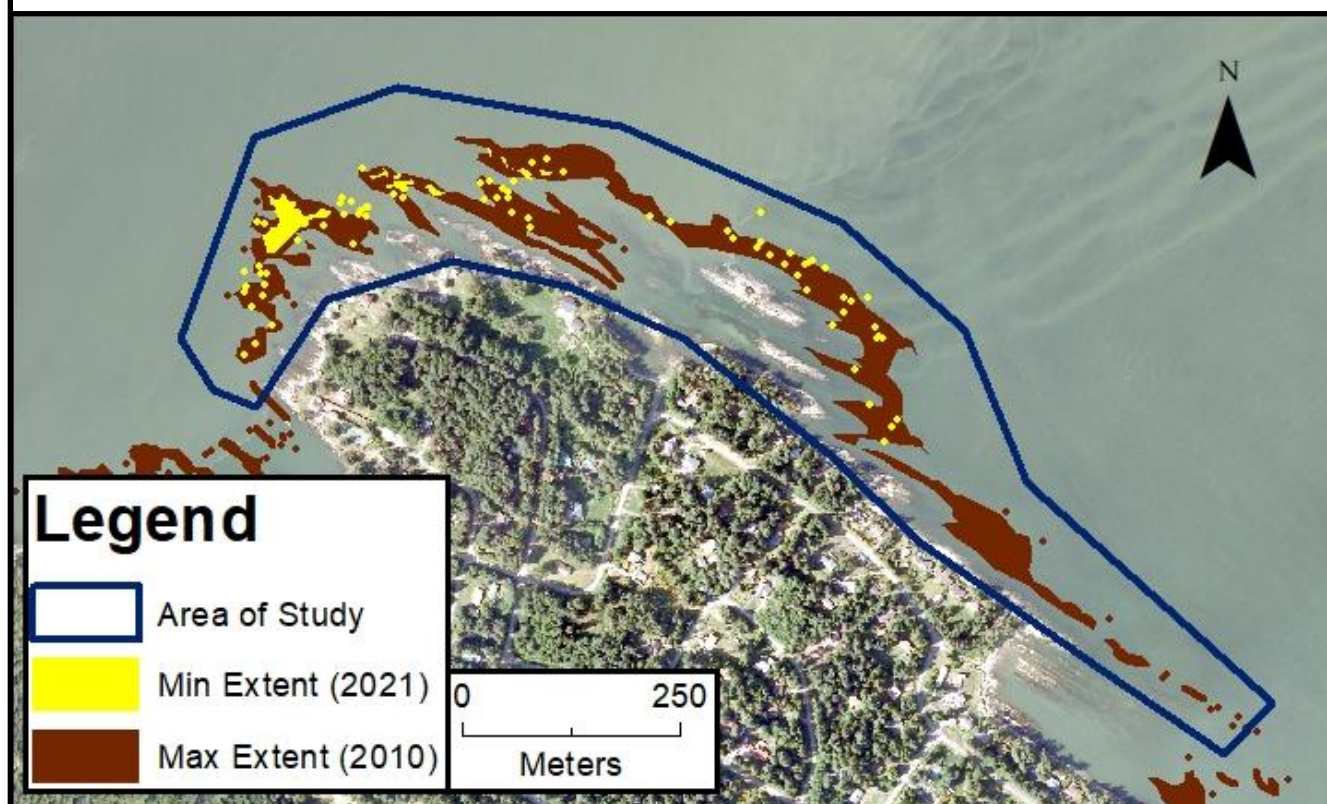
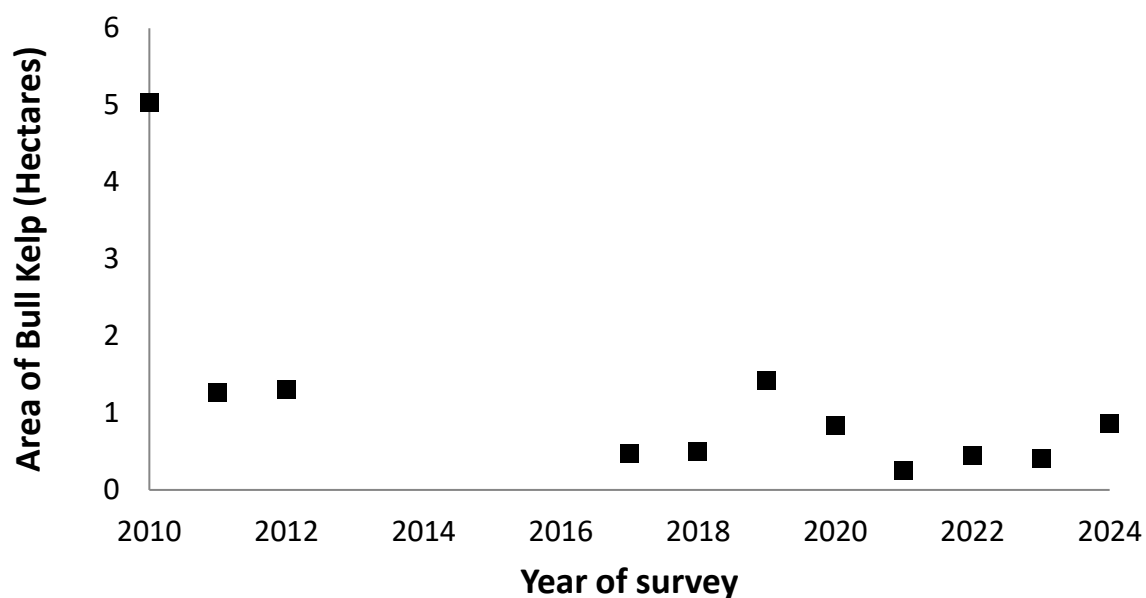
Monitoring organization:
Mayne Island Conservancy

Years of available data:
11 (2010-2012, 2017-2024)

Bull kelp greatest extent:
5.03 hectares (2010)

Bull kelp least extent:
0.26 hectares (2021)

Georgina Point



Seal Beach

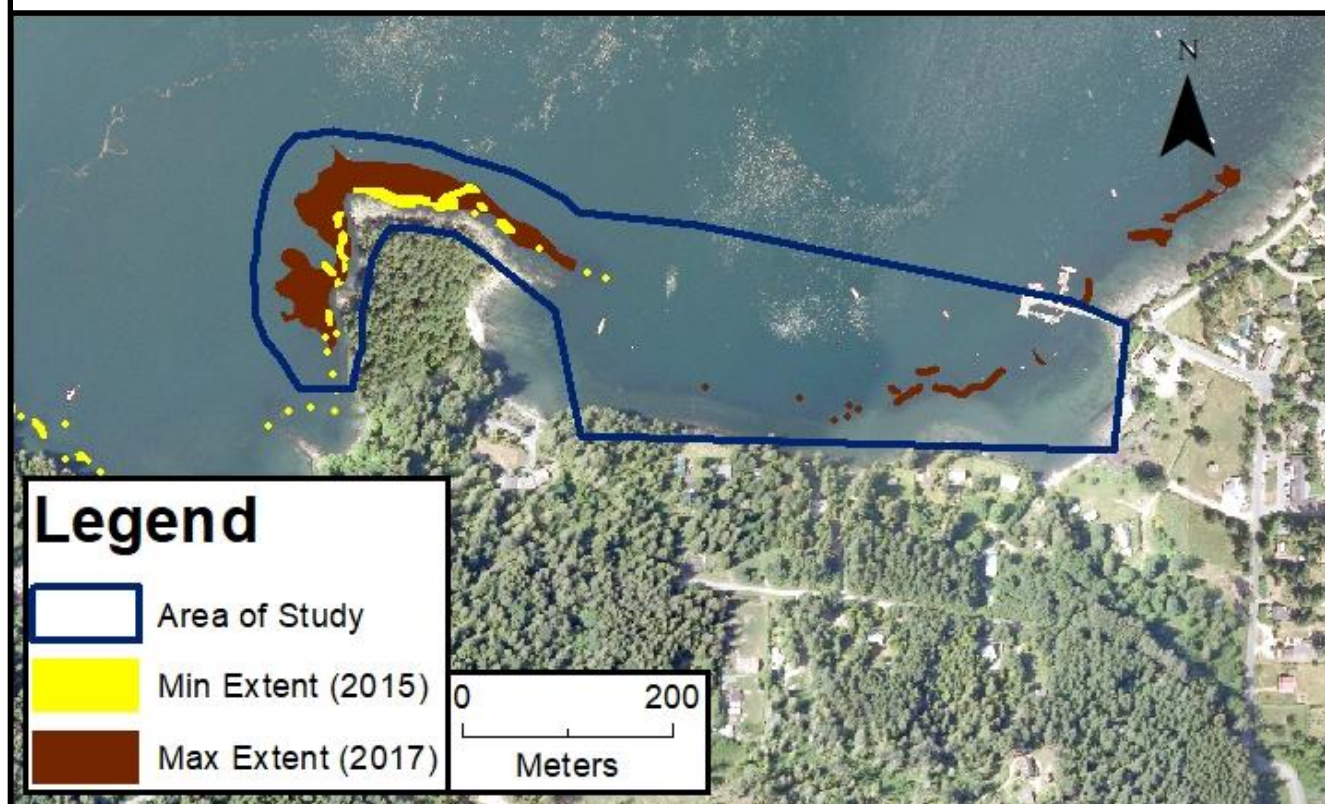
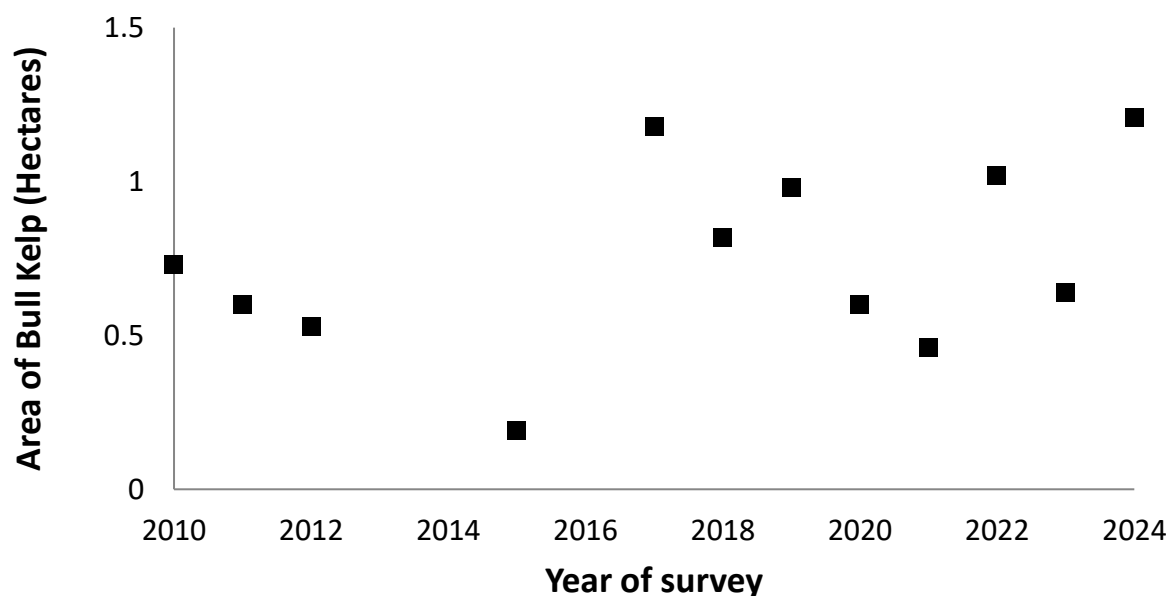
Monitoring organization:
Mayne Island Conservancy

Years of available data:
12 (2010-2012, 2015, 2017-2024)

Bull kelp greatest extent:
1.21 hectares (2024)

Bull kelp least extent:
0.19 hectares (2015)

Seal Beach



North Helen Point

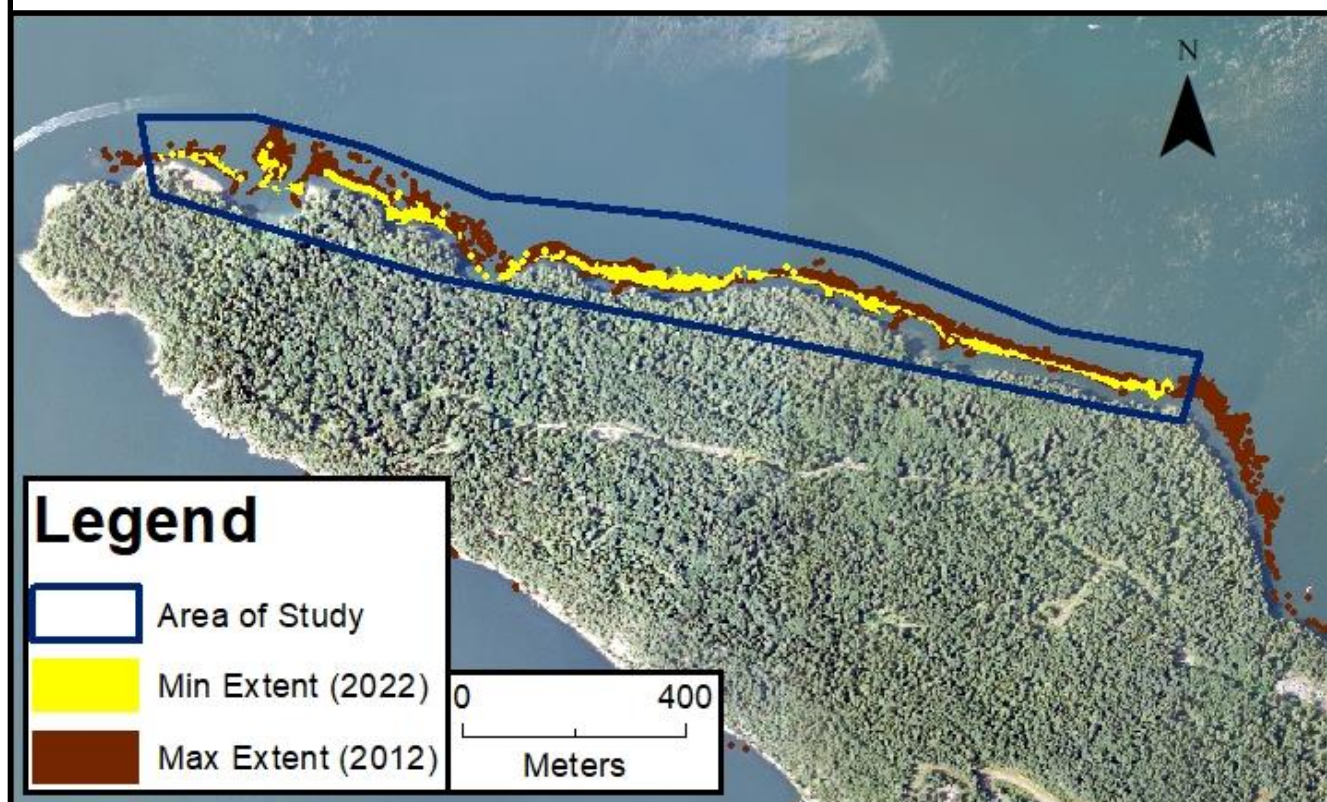
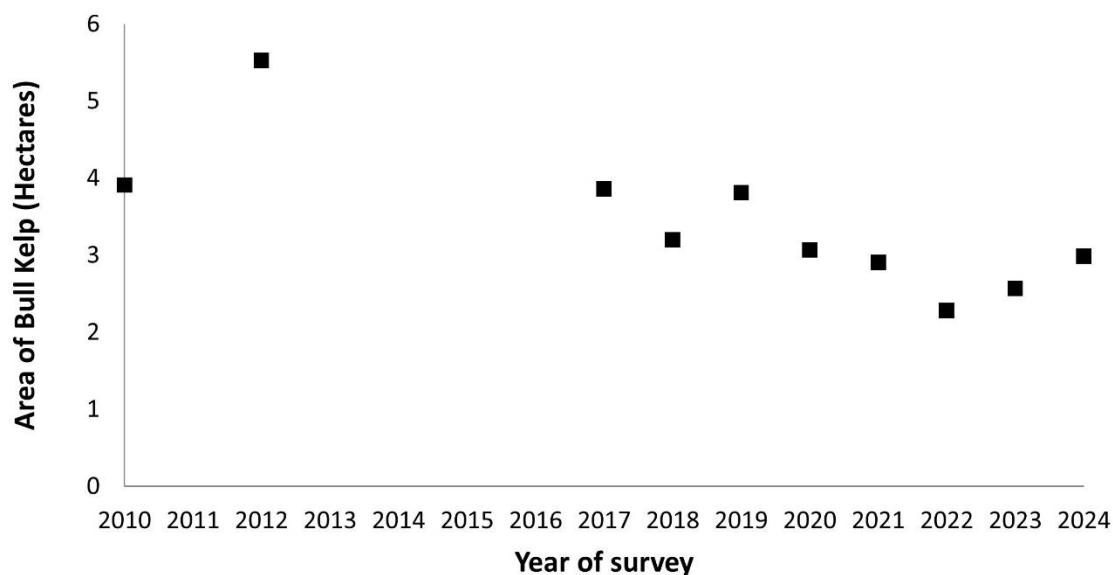
Monitoring organization:
Mayne Island Conservancy

Years of available data:
10 (2010, 2012, 2017-2024)

Bull kelp greatest extent:
5.53 hectares (2012)

Bull kelp least extent:
2.28 hectares (2022)

North Helen Point



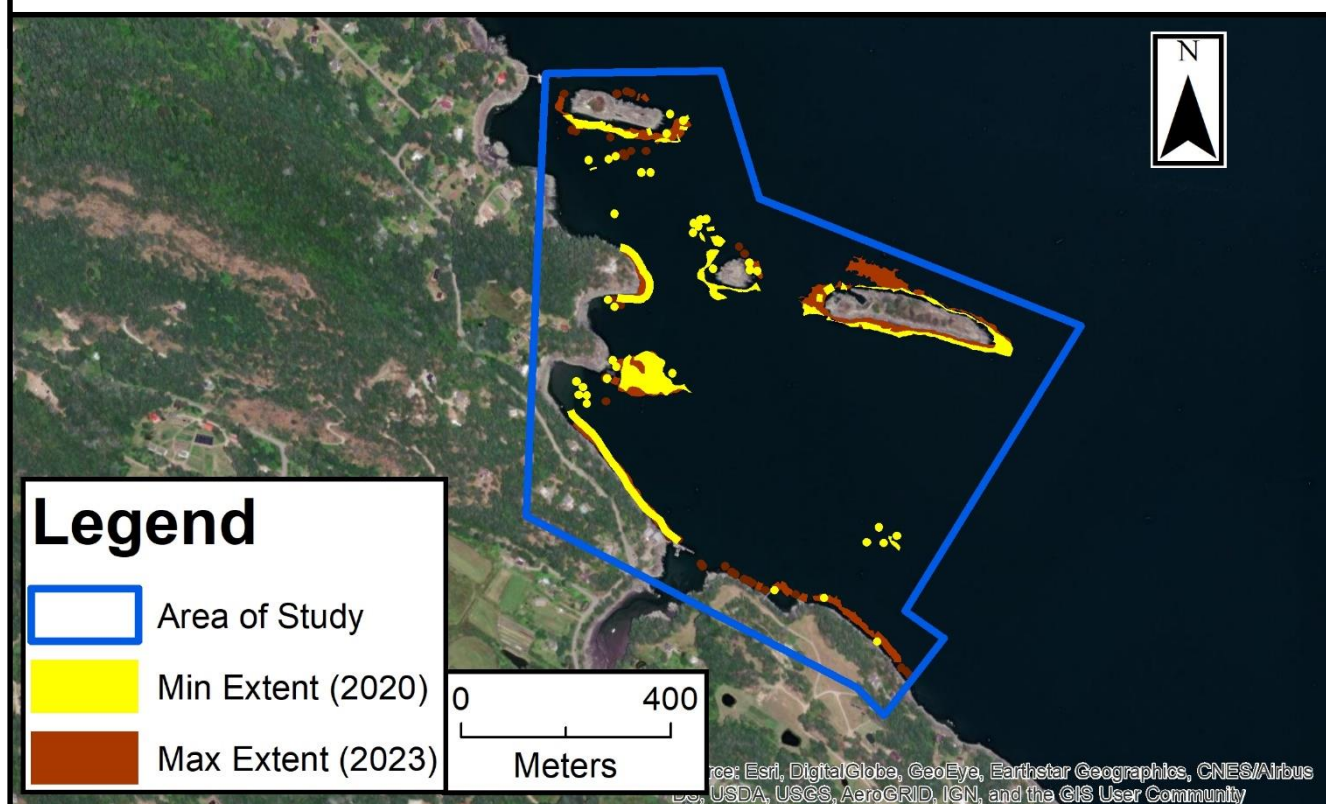
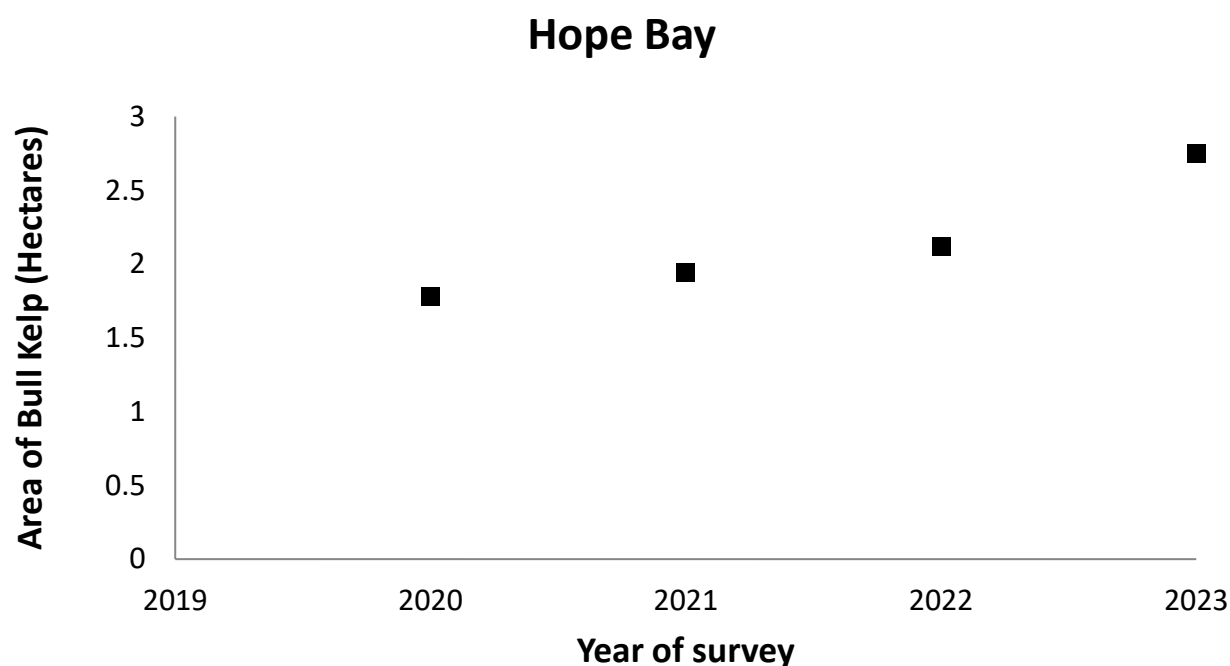
Hope Bay

Monitoring organization:
Pender Islands Conservancy

Years of available data:
4 (2020 - 2023)

Bull kelp greatest extent:
2.75 hectares (2023)

Bull kelp least extent:
1.78 hectares (2020)



Thieves Bay

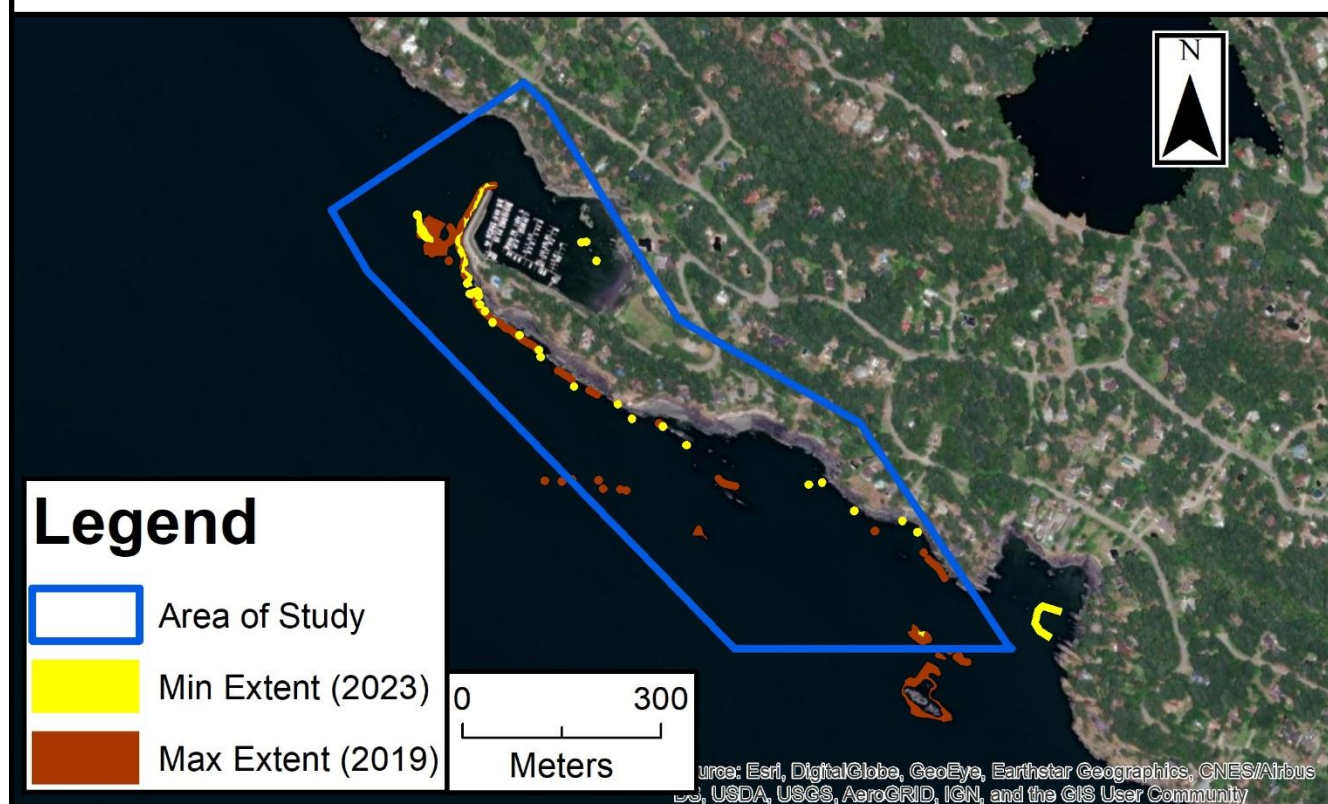
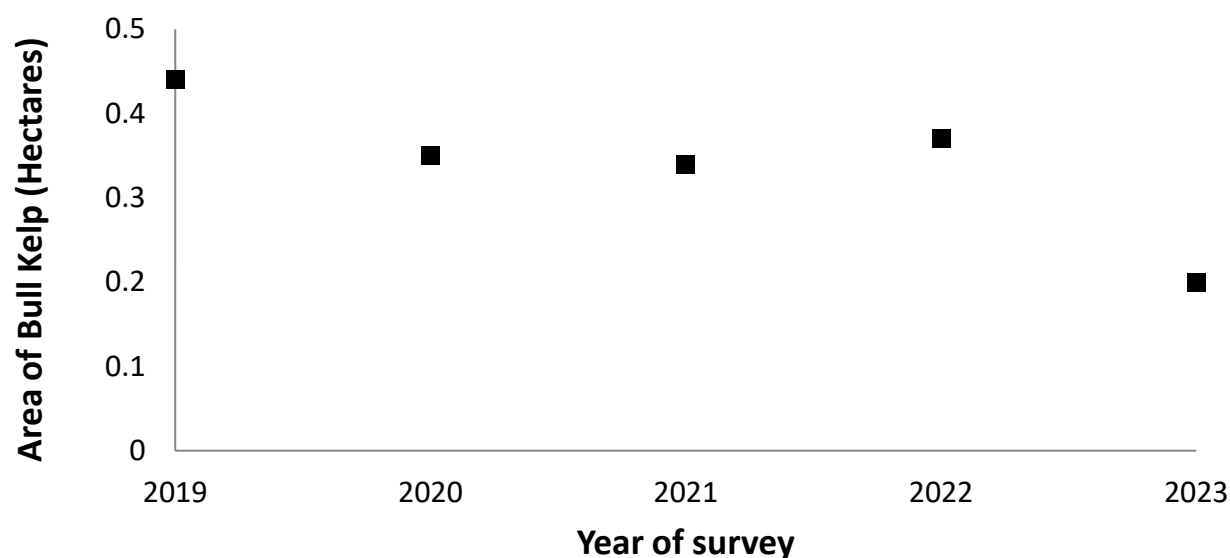
Monitoring organization:
Pender Islands Conservancy

Years of available data:
5 (2019 - 2023)

Bull kelp greatest extent:
0.44 hectares (2019)

Bull kelp least extent:
0.20 hectares (2023)

Theives Bay



Bedwell Harbour

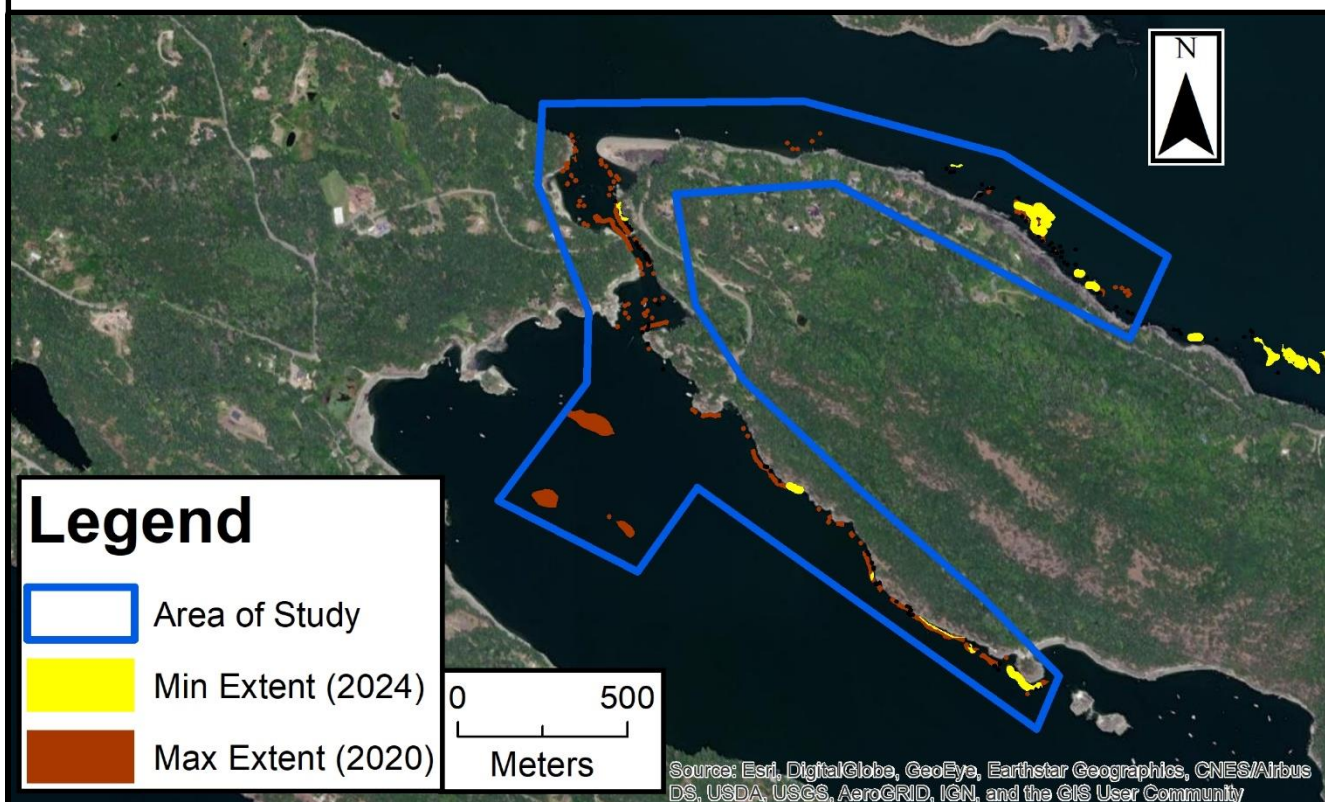
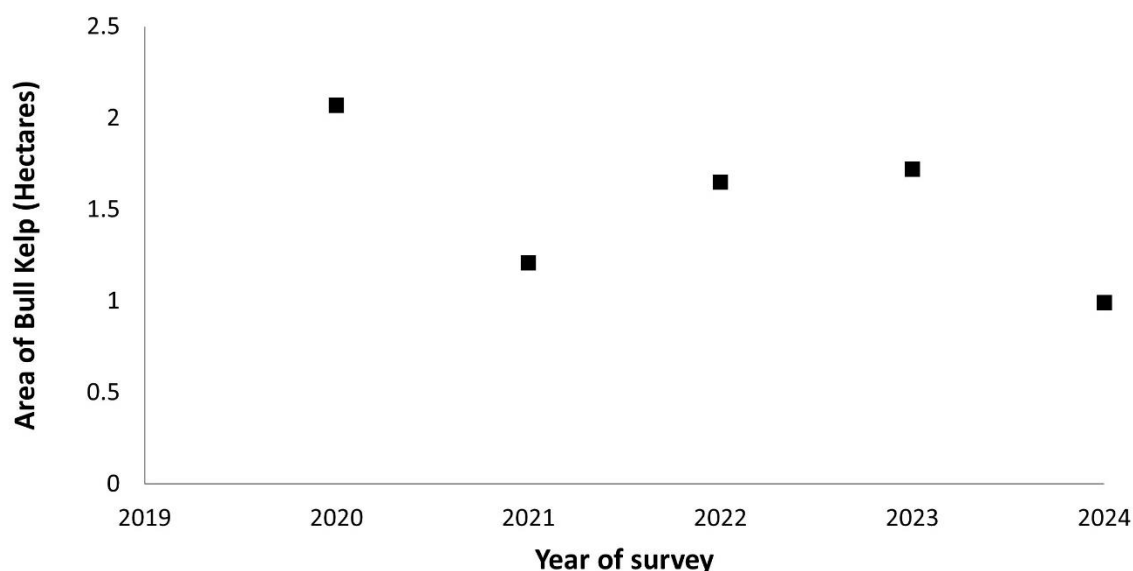
Monitoring organization:
Pender Islands Conservancy

Years of available data:
5 (2020 - 2024)

Bull kelp greatest extent:
2.07 hectares (2020)

Bull kelp least extent:
0.99 hectares (2024)

Bedwell Harbour



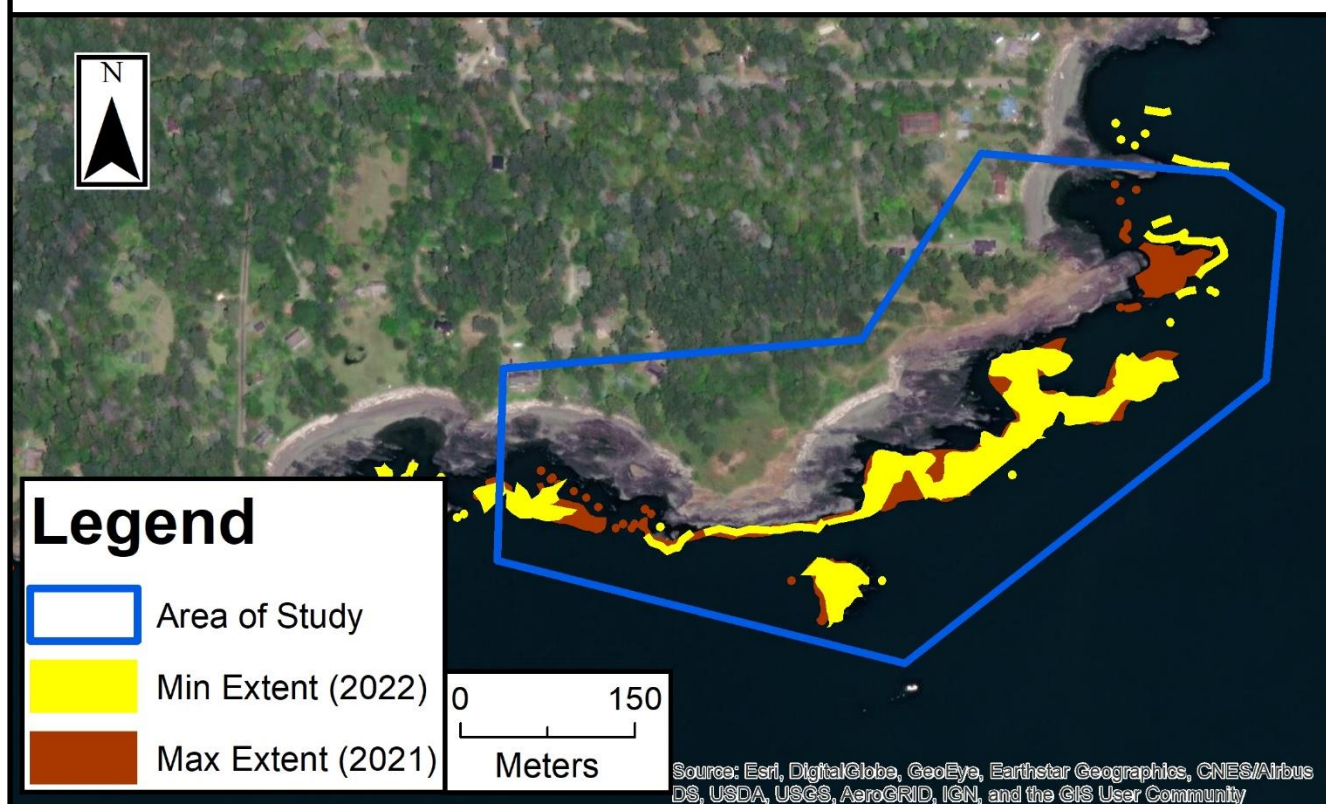
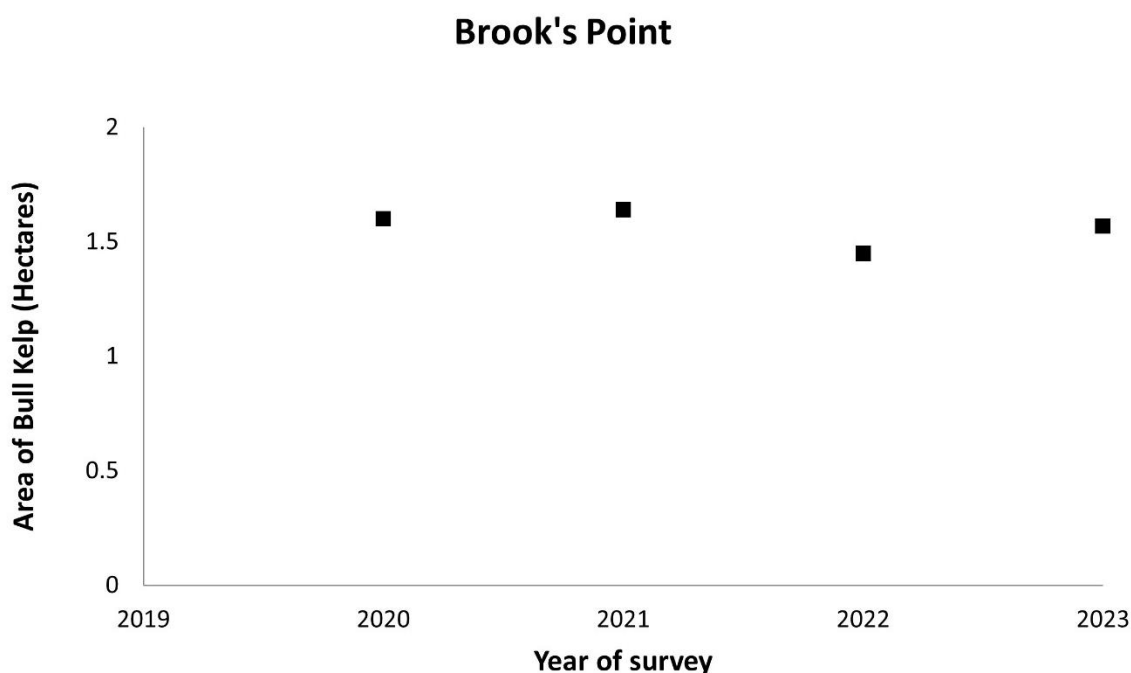
Brook's Point

Monitoring organization:
Pender Islands Conservancy

Years of available data:
5 (2020 - 2024)

Bull kelp greatest extent:
1.64 hectares (2021)

Bull kelp least extent:
1.45 hectares (2022)



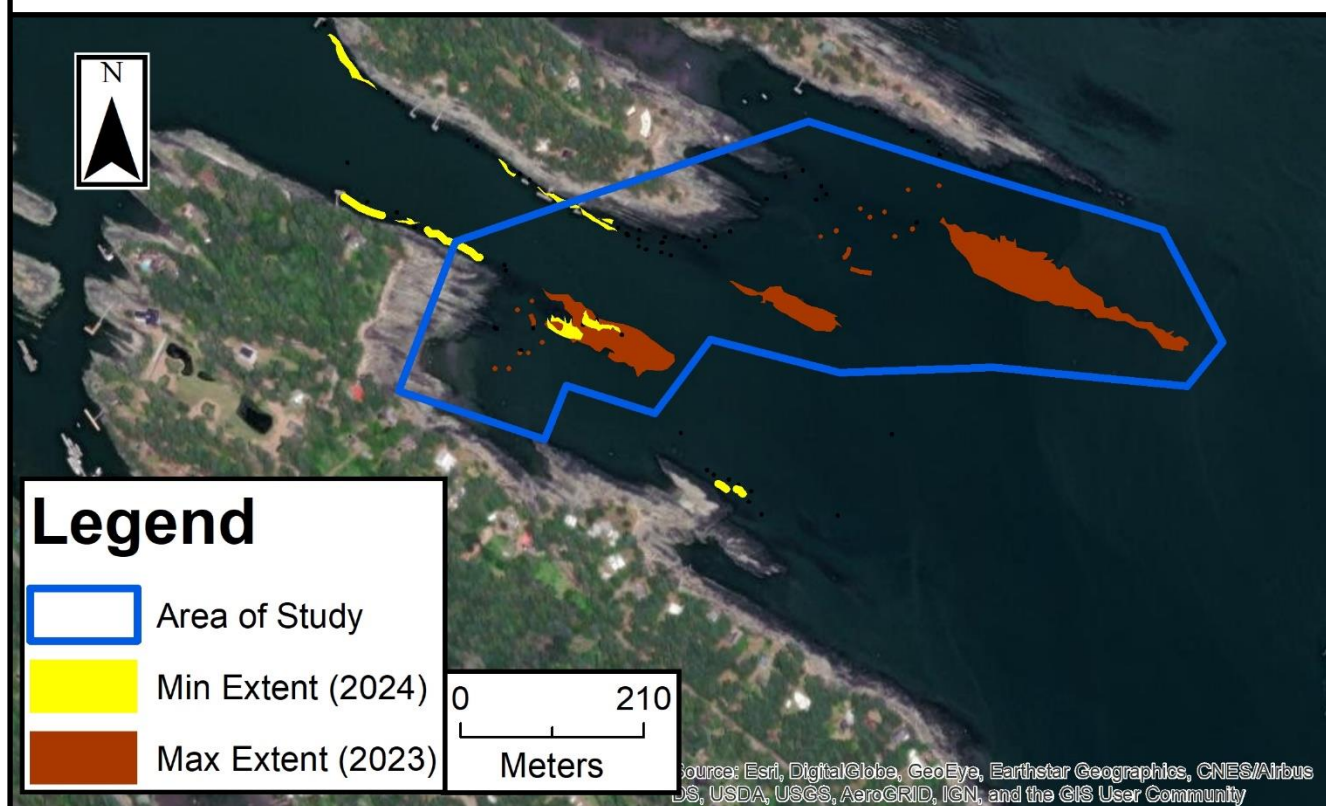
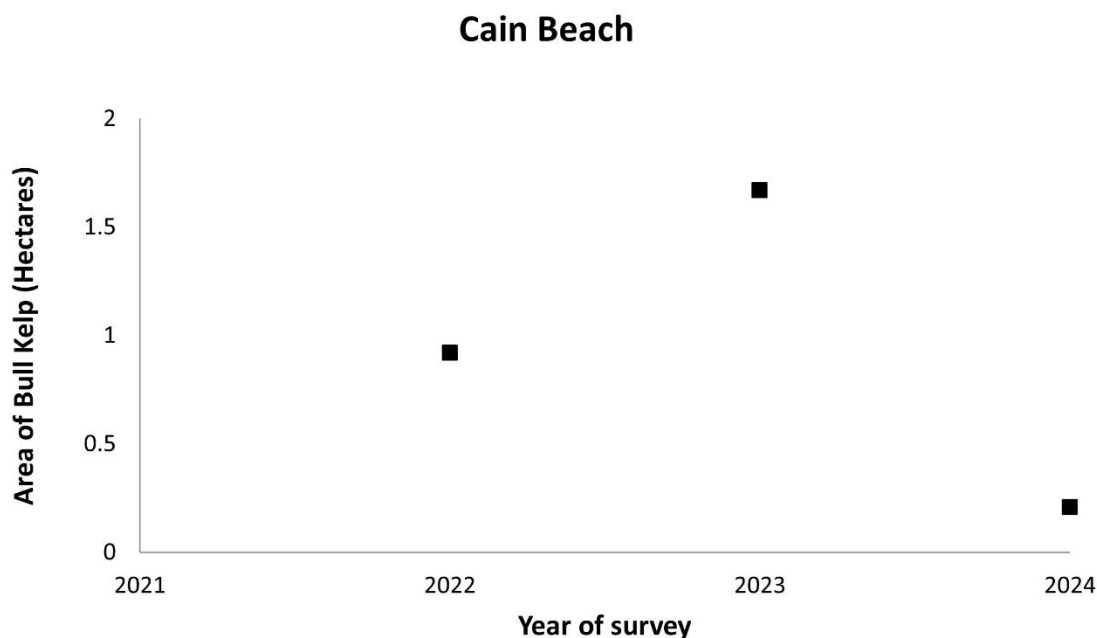
Cain Beach

Monitoring organization:
Galiano Island Conservancy

Years of available data:
3 (2022 - 2024)

Bull kelp greatest extent:
1.67 hectares (2023)

Bull kelp least extent:
0.21 hectares (2024)



Georgeson Bay

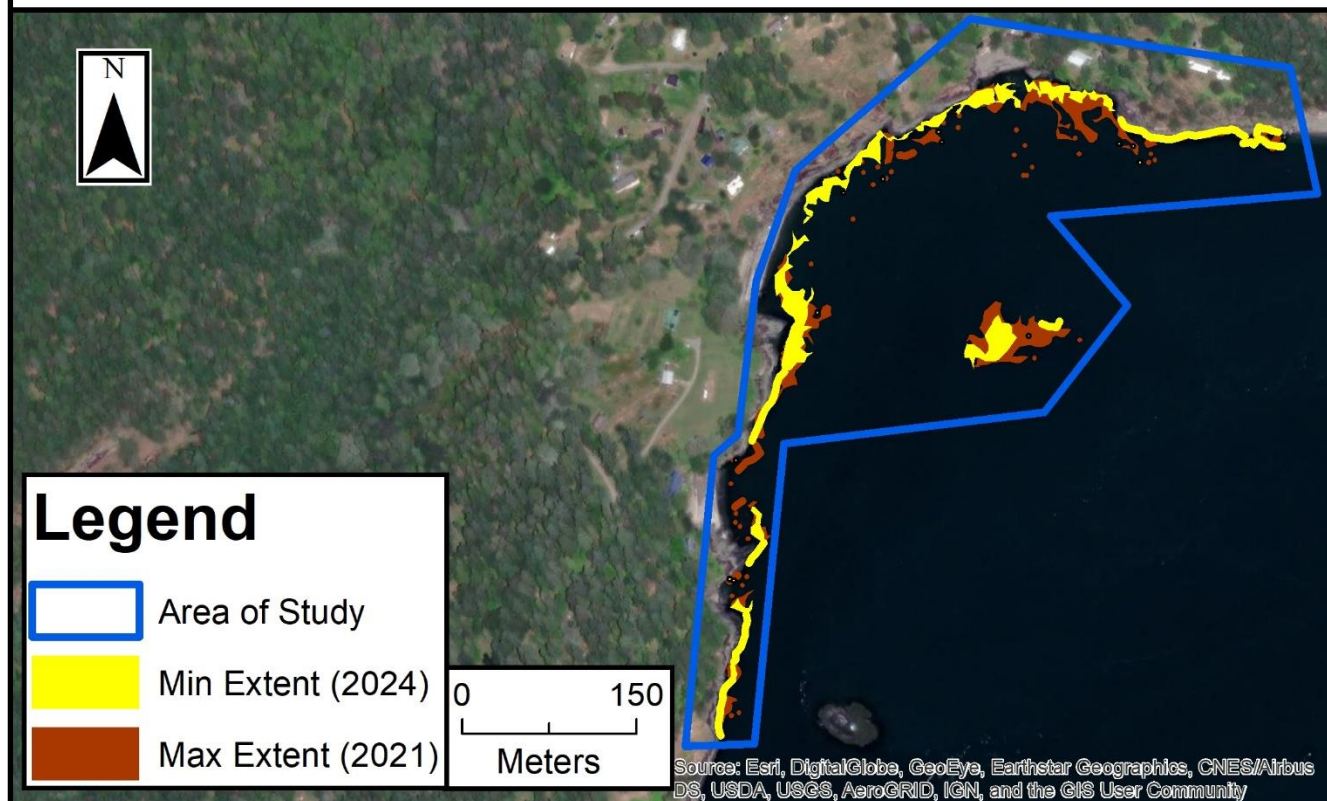
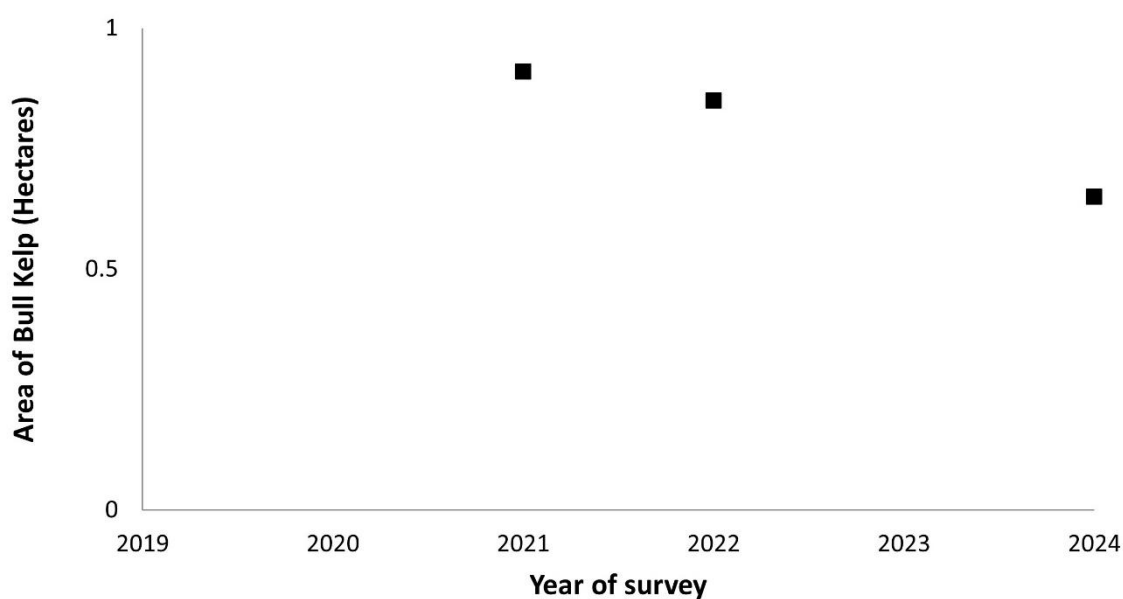
Monitoring organization:
Galiano Island Conservancy

Years of available data:
3 (2021 – 2022, 2024)

Bull kelp greatest extent:
0.91 hectares (2021)

Bull kelp least extent:
0.65 hectares (2024)

Georgeson Bay



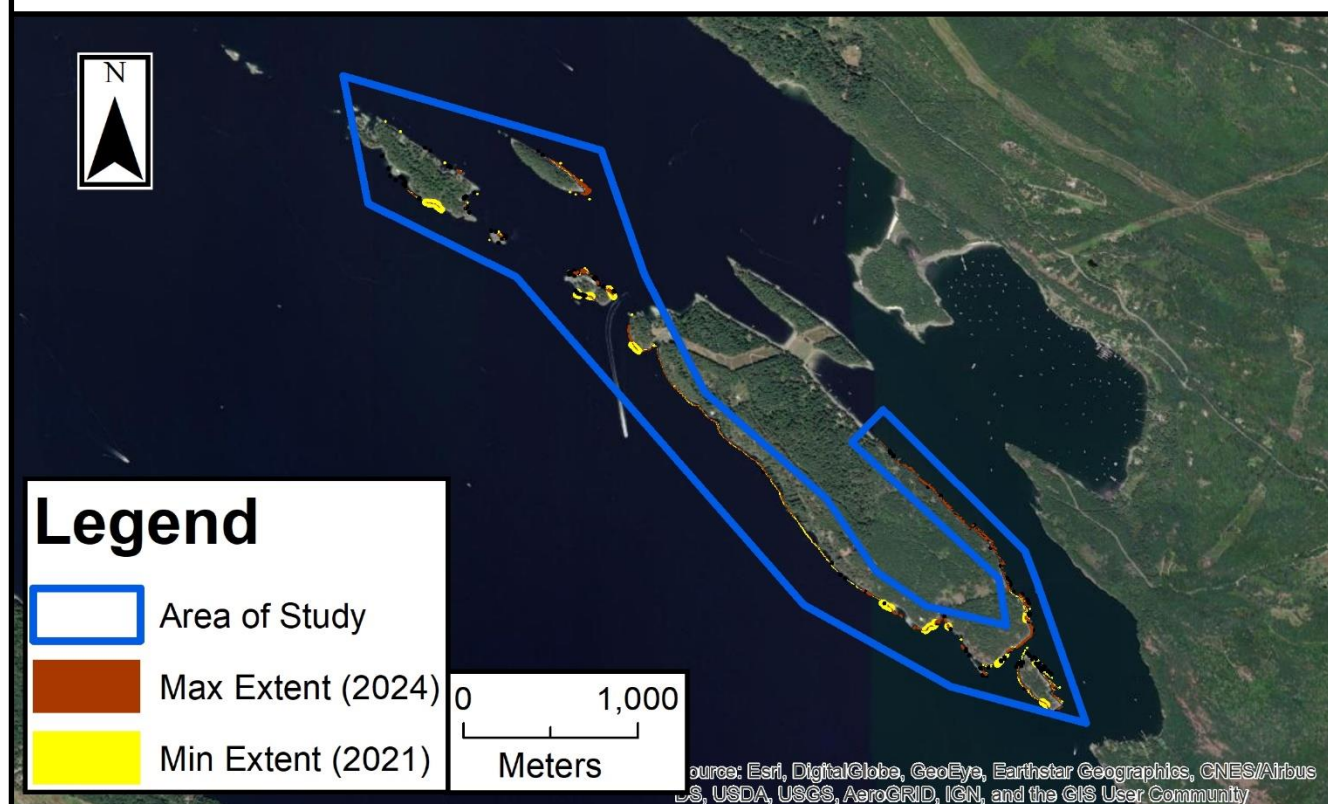
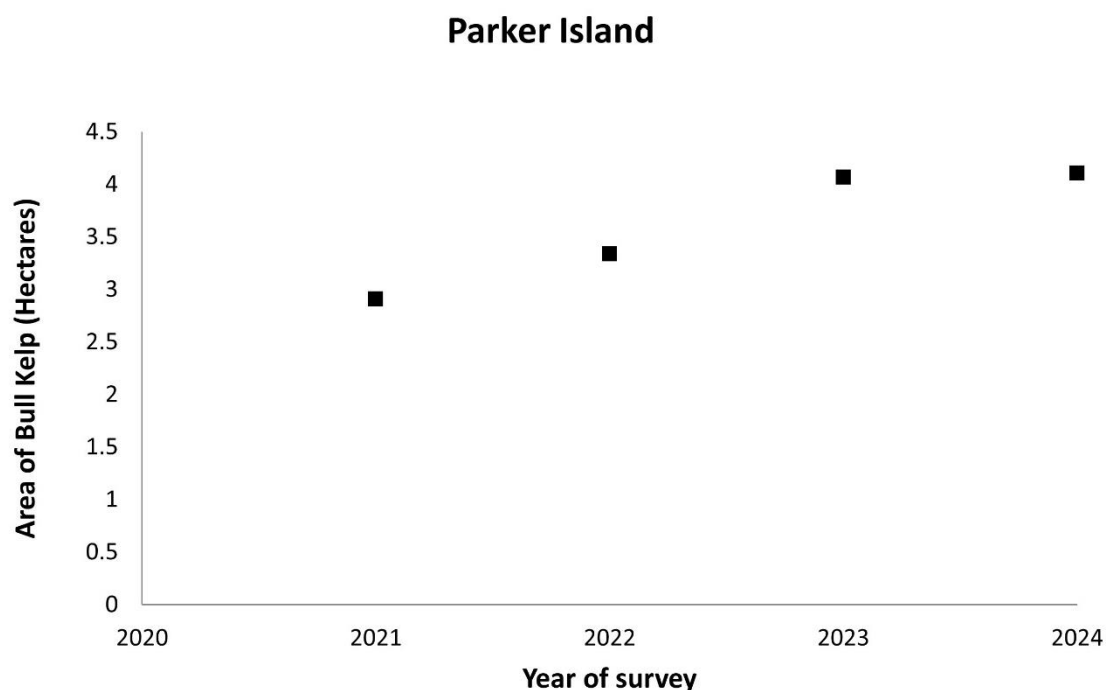
Parker Island

Monitoring organization:
Galiano Island Conservancy

Years of available data:
4 (2021 - 2024)

Bull kelp greatest extent:
4.11 hectares (2024)

Bull kelp least extent:
2.91 hectares (2021)



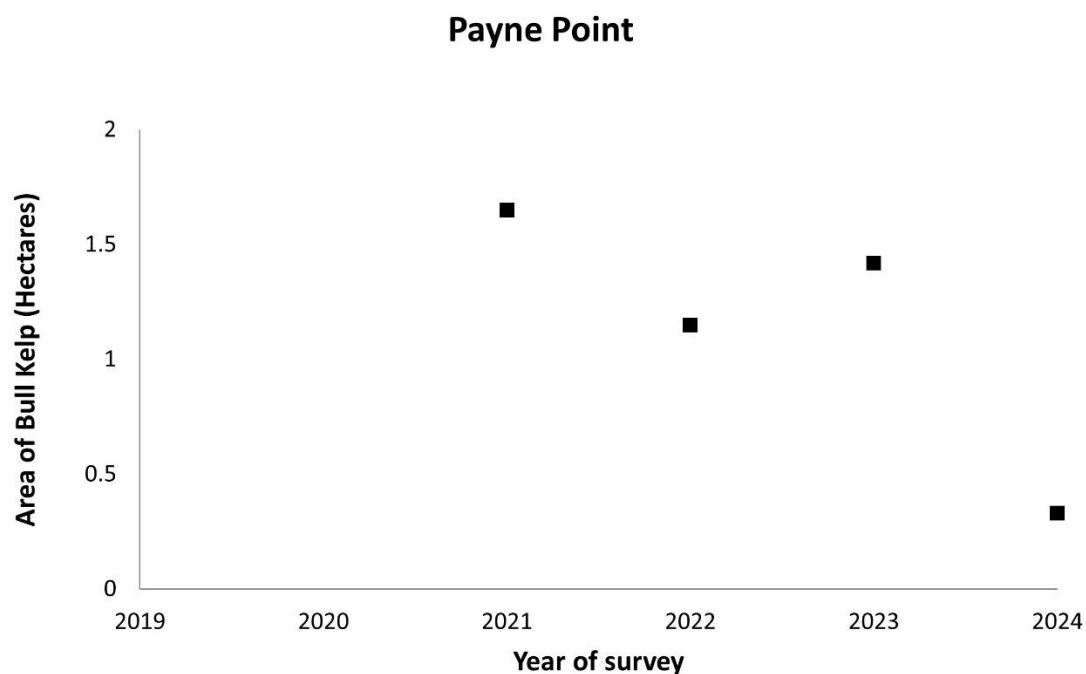
Payne Point

Monitoring organization:
SIMRES

Years of available data:
4 (2021 - 2024)

Bull kelp greatest extent:
1.65 hectares (2021)

Bull kelp least extent:
0.33 hectares (2024)



Legend

- Area of Study
- Min Extent (2024)
- Max Extent (2021)

0 400
Meters

ources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus
US, USDA, USGS, AeroGRID, IGN, and the GIS User Community

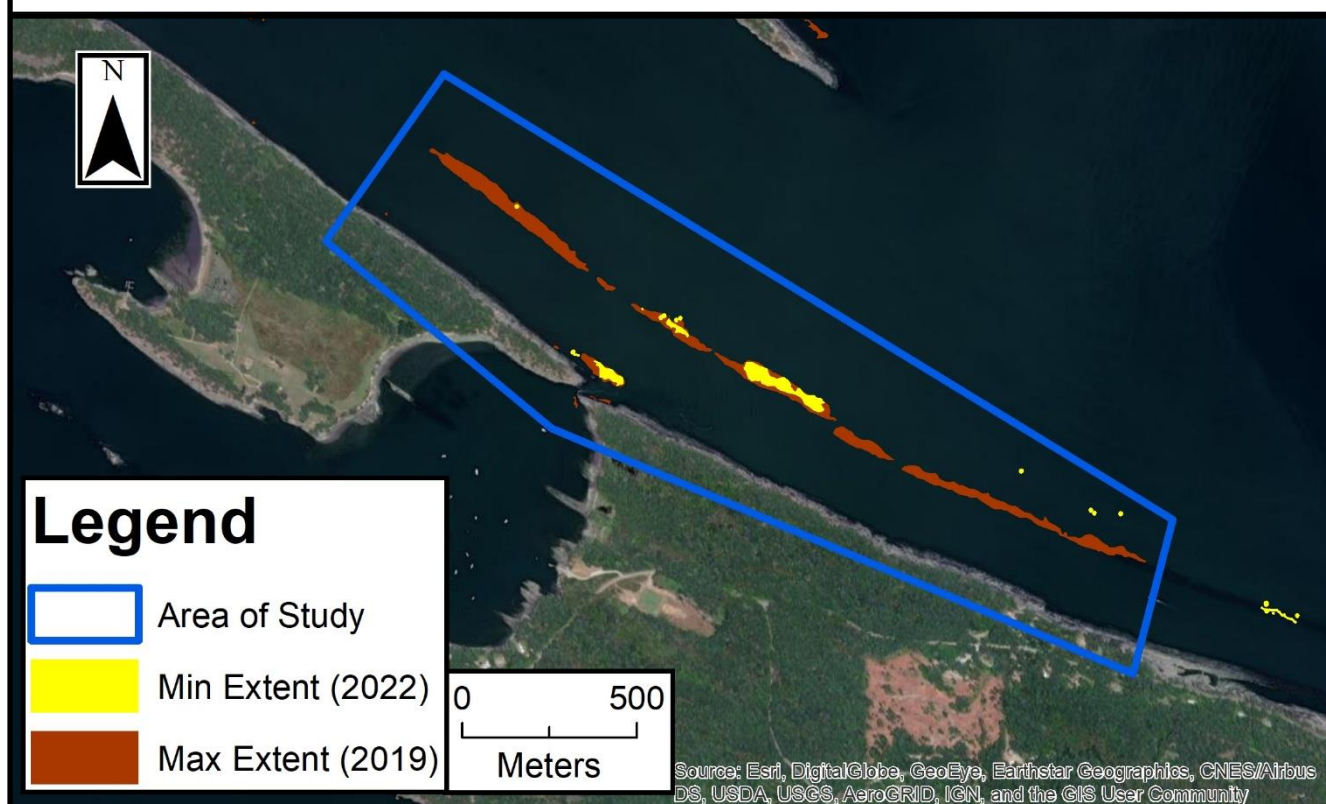
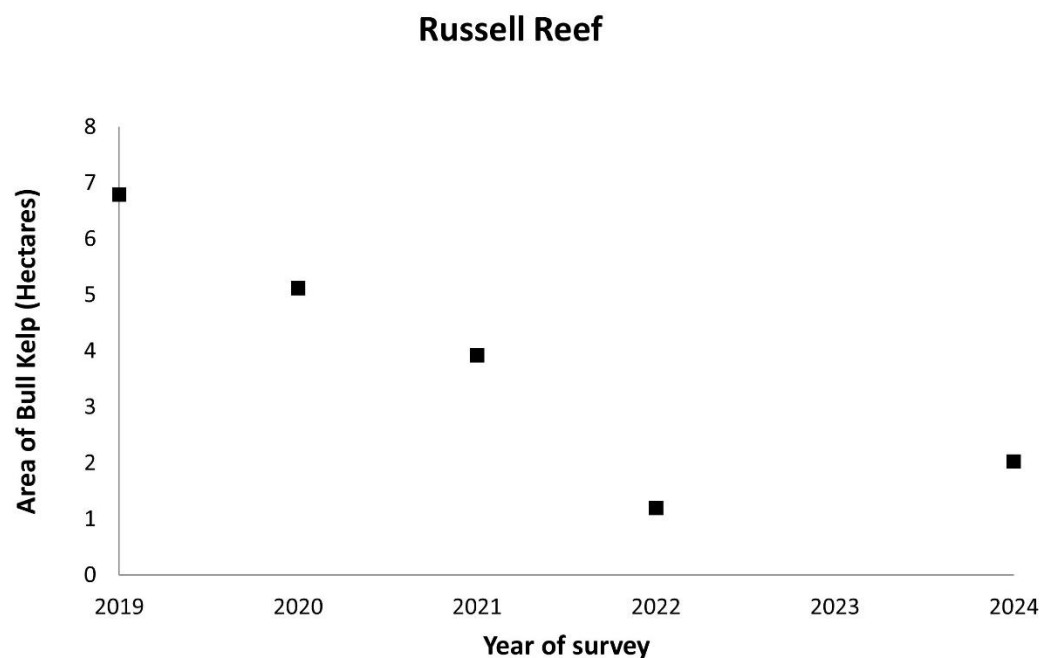
Russell Reef

Monitoring organization:
SIMRES

Years of available data:
5 (2019 – 2022, 2024)

Bull kelp greatest extent:
6.79 hectares (2019)

Bull kelp least extent:
1.20 hectares (2022)



Tumbo Channel

Monitoring organization:
SIMRES

Years of available data:
5 (2020 - 2024)

Bull kelp greatest extent:
3.61 hectares (2023)

Bull kelp least extent:
1.99 hectares (2021)

