

**FOR INTERNAL USE**

File Number: 1407822

Project Number:

Disposition Number:

Client Number:

# PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION

MINISTRY OF FORESTS, LANDS, NATURAL RESOURCE OPERATIONS AND RURAL DEVELOPMENT  
FISHERIES AND OCEANS CANADA  
TRANSPORT CANADA

Prior to completing this application refer to the approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

## PART I – GENERAL INFORMATION

 **Any time you see this symbol, hold mouse pointer over top and additional information will appear.**

**For each question, select only one check box or circle unless otherwise directed.**

### PART I - SECTION A1: SUMMARY

Provide a general overview of the proposed amendment:



RE: REQUEST FOR SITE AMENDMENT APPROVAL AT ROBERTSON ISLAND LF#1407822

Please find enclosed our application to amend the Robertson Island aquaculture facility. Mowi Canada West is seeking to amend the infrastructure and production level. Robertson Island is currently approved for a 2x4 120m cage array and 3600mt. We would like to add the option of using a 2x4 157m, 2x3 188m, and 1x5 200m array. Along with the proposed cage arrays Mowi would also like to add 2400mt of production for a total of 6000mt. No change in tenure boundary required.




Additional Pages or Supporting Material Attached:

☒ Yes

☐ No

**PART I – SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input type="checkbox"/> <b>Tenure Area Change</b>	
<div data-bbox="212 411 396 449"><input type="checkbox"/> Expansion</div> <div data-bbox="212 537 393 575"><input type="checkbox"/> Reduction</div>	<p>Complete the following:</p> <p>PART I</p> <p>PART II</p> <p>PART III: Section C</p> <p>PART IV</p> <p>PART V</p>
<input checked="" type="checkbox"/> <b>Infrastructure</b>	
<div data-bbox="212 783 597 821"><input checked="" type="checkbox"/> Addition of <u>Infrastructure</u></div> <div data-bbox="342 867 834 951"><input type="checkbox"/> Change meets conditions of "Incidental Aquaculture Use" (IAU)</div> <div data-bbox="540 961 589 1014"></div>	<p>Complete the following:</p> <p>PART I</p> <p>PART II: complete only if does not meet IAU</p> <p>PART III: Sections B (if applicable), C &amp; D</p> <p>PART IV</p> <p>PART V</p>
<div data-bbox="207 1119 370 1157"><input type="checkbox"/> Removal</div>	<p>Complete the following:</p> <p>PART I</p> <p>PART III</p> <p>PART V</p>
<input checked="" type="checkbox"/> <b>Species and/or Production</b>	
<div data-bbox="212 1367 514 1404"><input type="checkbox"/> Addition of Species</div> <div data-bbox="212 1451 542 1488"><input checked="" type="checkbox"/> Change in Production</div> <div data-bbox="212 1535 375 1572"><input type="checkbox"/> Removal</div>	<p>Complete the following:</p> <p>PART I: Sections A, B &amp; C</p> <p>PART III : Sections A, C &amp; D</p> <p>PART V</p>

**PART I - SECTION B1: FEDERAL APPROVAL APPLICANT INFORMATION**

☐ CHECK THIS BOX IF SAME APPLICANT INFORMATION WILL BE USED FOR PROVINCIAL APPROVAL

<b>1. Applicant Type (complete only one type):</b>		
<input type="checkbox"/> Registered Business	Registered Business Name: Mowi Canada West	
	BC Inc. #, BC Registration # or BC Society #: BC812200	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		
Suite 124-1334 Island Highway		Telephone: (250) 850-3276
Campbell River, B.C.		Cell: (250) 850-9120
V9W 8C9		Fax: (250) 850-3275
Canada		Email: greg.gibson@mowi.com
<b>3. Physical Business Address:</b>		
<input checked="" type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		
<input checked="" type="checkbox"/> Same as above		
Name: Greg Gibson		
Telephone: (250) 850-3276		
Cell: (250) 850-9120		
Fax: (250) 850-3275		
Email: greg.gibson@mowi.com		
<b>5. Agent/Representative Mailing Address:</b>		
Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A		
Name:		
Telephone:		
Cell:		
Fax:		
Email:		

**PART I – SECTION B2: PROVINCIAL APPROVAL APPLICANT INFORMATION**

(COMPLETE SECTION B2 ONLY IF APPLICANT INFORMATION IS DIFFERENT THAN SECTION


<b>1. Applicant Type (complete only one type):</b>		
<input type="checkbox"/> Registered Business	<b>Registered Business Name:</b>	
	<b>Business Number:</b>	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		Telephone:
		Cell:
		Fax:
		Email:
<b>3. Physical Business Address:</b>		
<input type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		<input type="checkbox"/> Same as above
		Name:
		Telephone:
		Cell:
		Fax:
		Email:
<b>5. Agent/Representative Mailing Address:</b>		Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
		Name:
		Telephone:
		Cell:
		Fax:
		Email:

## PART I – SECTION C: SITE GENERAL INFORMATION

1. DFO Facility Reference Number: 1382	
2. Land File Number: 1407822	
3. Navigation Protection Program Number: 2000-500478	
4. Site Common Name: Robertson Island	
5. Pacific Fishery Management Area (PFMA): 12	Sub Area: 13

## PART I - SECTION D: LICENSED AREA CHANGE



1. Land Ownership and/or Tenure Type:			
<input checked="" type="checkbox"/> Provincial Crown Land (if Crown land: <input type="radio"/> Lease <input checked="" type="radio"/> Licence of Occupation <input type="radio"/> Investigative Use Licence)			
<input type="checkbox"/> Federal Land			
<input type="checkbox"/> Private Land			
<input type="checkbox"/> Harbour Authority			
<input type="checkbox"/> First Nation Reserve			
<input type="checkbox"/> Other (describe):			
2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):		Latitude (DD DD.ddddd): 50 55.904	
		Longitude (DD DD.ddddd): 127 25.630	
3. Estimated Application Area	CURRENTLY LICENSED (hectares)	PROPOSED CHANGE (hectares) <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove	PROPOSED CUMULATIVE TOTAL (hectares)
 Intensive Use Area of Site	11.87	8.69	20.56
Extensive Use Area of Site	137.40		128.71
Estimated Total Area of Site	149.27		149.27



## PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS

Check each box to confirm attached	Attach the following maps, diagrams and documents in Adobe format (.pdf). They must be submitted with a title, to scale and be consistent with the other information in this application. Please refer to the Mapping Descriptions and Sample Mapping located in the Guide to Pacific Marine Finfish Aquaculture. All maps should be provided using <b>CHS Marine Charts</b> unless specified otherwise.
<input checked="" type="checkbox"/>	1. <b>General Location Map:</b> A 1:50,000 to 1:100,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input checked="" type="checkbox"/>	2. <b>Detailed Location Map:</b> A map with a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application.
<input type="checkbox"/>	3. <b>Application Area Map (submit one of the following):</b> (a) <u>Shape file:</u> Attach a shapefile or ".kmz" file, geo-referenced to BC Albers projection (NAD 83), including a reference map with a Point of Commencement (POC); <b>OR</b> (b) <u>Metes &amp; Bounds:</u> A <b>topographic map</b> showing a UTM/latitude and longitude of POC and a corresponding text description on a separate piece of paper that describes the metes & bounds of the proposed shape.
<input checked="" type="checkbox"/>	4. <b>Top View Operational Diagram(s):</b> (a) A 1:5000 scale site plan showing proposed change(s) to existing tenure boundaries and: (i) <u>new containment array.</u> If several arrays are proposed, provide one site plan per array; <b>AND/OR</b> (ii) any proposed changes to <u>existing containment array(s).</u> If changes are proposed to several containment arrays, provide one site plan per array; <b>AND</b> (b) A single 1:5000 scale site plan showing currently licenced containment array(s) and all proposed additions and/or changes as outlined in 4(a); <b>AND</b> (c) A 1:5000 scale site plan for each array showing anticipated final array to be used in licenses. Ensure the diagrams have no colours, cross hatching in any of the pens.
<input checked="" type="checkbox"/>	5. <b>Side View Operational Diagram:</b> A map(s) showing a cross section diagram of the containment array(s) that itemize all structures above the surface and include all underwater structures and the high and low water mark.
<input checked="" type="checkbox"/>	6. <b>Habitat Map:</b> A 1:5000 map showing boundaries of the application area and including habitat characteristics from the habitat assessments.
<input checked="" type="checkbox"/>	7. <b>Intensive Use Area of site (Hectares):</b> Attach a worksheet showing the total Intensive Use Area (IUA) calculation for the infrastructure configuration which occupies the largest IUA.

## PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title ("Aboriginal Interests"). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands, Natural Resource Operations and Rural Development website: 'Consulting with First Nations'; specifically proponents are advised to review: "Guide to Involving Proponents When Consulting First Nations" (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province's Consultative Areas Database to identify which First Nations to engage: <http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>.

Is a summary of information sharing attached? ☒ Yes ☐ No

# **PART I - SECTION G: INFRASTRUCTURE INFORMATION SECTION**

## **G1 – CONTAINMENT ARRAY(S)**

### **1. Proposed changes to Containment Array(s):**

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input checked="" type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY	8		
CONFIGURATION	2x4		
DIMENSIONS *	120		
TOTAL AREA **	51,200		

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle
QUANTITY		8	8
CONFIGURATION		2x4	2x4
DIMENSIONS *		120	120
TOTAL AREA **		70,200 or 86,000	70,200 or 86,000

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle
QUANTITY		8	8
CONFIGURATION		2x4	2x4
DIMENSIONS *		157	157
TOTAL AREA **		70,200 or 86,000	70,200 or 86,000

**PART I SECTION G1 – CONTAINMENT ARRAY(S) CONTINUED: ?**

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle ?
QUANTITY		6	6
CONFIGURATION		2x3	2x3
DIMENSIONS *		188	188
TOTAL AREA **		64,500	64,500

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle
QUANTITY		5	5
CONFIGURATION		1x5	1x5
DIMENSIONS *		200	200
TOTAL AREA **		50,000	50,000

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



**PART I - SECTION G2: ANCILLARY AND NAVIGATIONAL STRUCTURES**
**2. Proposed Ancillary and Navigational Structures:**

For applications with more than one cage array proposed, please review ancillary section in the Guide to Marine Finfish Aquaculture Application.

DESCRIPTION	PROPOSED CHANGE	QUANTITY	DIMENSIONS (m)	TOTAL AREA (m <sup>2</sup> )
<i>e.g. Feed barge</i>	<input type="checkbox"/> Add <u>or</u> <input checked="" type="checkbox"/> Remove	1	40m x 30 m	1450m <sup>2</sup>
Feed Barge	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	20mx50m	1,000
Living Accomodations	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	15mx20m	300
Mort Float	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	10mx10m	100
Utility Float	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	10mx10m	100
Utility Float	<input type="checkbox"/> Add <input type="checkbox"/> Remove	2	10mx15m	300
Barge Array	<input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove	1	100mx215	21,500
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Buoys	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Anchor Blocks	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Mooring lines	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Other:				

## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS, NATURAL RESOURCE OPERATIONS AND RURAL DEVELOPMENT

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC *Land Act*.

### PART II - SECTION A: SITING CONSIDERATIONS



Applicants must respond to each consideration and may be required to provide additional information in some situations

1. Does your proposal infringe on the riparian rights of an upland owner? ☐ Yes ☒ No

*Letter of upland owner consent enclosed:* ☐ Yes ☐ No ☐ N/A

2. Is the intended use consistent with approved local government bylaws for land use planning and zoning? ☒ Yes ☐ No

Provide the name of the local government(s) for the area under application:

Mount Waddington Regional District

Describe any applicable bylaws or zoning for the proposed area:

If No, have you contacted the local government? ☐ Yes ☒ No

*Summary of interactions with local government attached:* ☐ Yes ☐ No ☒ N/A

3. Is the site situated greater than 1 km in all directions from a First Nations reserve? ☒ Yes ☐ No

*If "No", written support from the First Nation(s) is attached:* ☐ Yes ☐ No ☐ N/A

4. Is the site situated greater than 1 km in a direct line of sight from existing federal parks, regional district parks, provincial parks, marine protected areas, and conservancies (or approved proposals for these)? ☐ Yes ☒ No

If No, have you contacted the relevant agency? ☐ Yes ☒ No

*Summary of correspondence with governing agency enclosed:* ☐ Yes ☐ No ☒ N/A

5. Is the site situated greater than 1 km from ecological reserves smaller than 1000 ha or approved proposals for ecological reserves smaller than 1000 ha? ☒ Yes ☐ No

*Summary of communication with BC Parks is attached:* ☐ Yes ☐ No ☒ N/A

## PART II - SECTION A: SITING CONSIDERATIONS CONTINUED:

6. Is the site situated greater than 1 km from the mouth of an anadromous salmonid-bearing stream determined as significant by the Province?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Supporting documents is attached: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	
Provide the title of the supporting document(s) attached: <input type="text"/>	
7. Is the intended use consistent with a local area Land Use Plan or Marine Plan?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Identify the relevant plan(s) and describe any applicable sections of those plans for the proposed area: 2015 North Vancouver Island Marine Plan & North Island Straits Coastal Plan	
Provide details of communications and relevant correspondence with your application.	

## PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION

1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Is/Are applicant(s) 19 years of age or older?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. For applications made by more than one individual:	<input type="radio"/> N/A <input type="radio"/> Joint Tenants <u>OR</u> <input type="radio"/> Tenants in Common
4. Is the applicant a spouse of a provincial employee?	<input type="radio"/> Yes <input checked="" type="radio"/> No
5. Does the applicant have any other tenures?	<input checked="" type="radio"/> Yes <input type="radio"/> No If yes, please list land file(s):

## PART II - SECTION C: WATER USE

1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?	<input checked="" type="radio"/> Yes (Complete Question 2 & 3) <input type="radio"/> No planned water usage (continue to Part III)
2. Fresh water source: (check all that apply)	<input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Surface Water
3. Do you have any existing water licences and/or have you submitted any water licence applications?	Water Source Name: Desalination Application Tracking Number: Licence Number: <input type="radio"/> Yes <input checked="" type="radio"/> No



## PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act, Pacific Aquaculture Regulations*.

### PART III - SECTION A: CULTURED SPECIES AND PRODUCTION

Check all species that you intend to culture and estimate the Combined Peak Biomass in metric tonnes (t).

SPECIES COMMON NAME	CURRENTLY LICENSED	ADD	REMOVE	PROPOSED CUMULATIVE TOTAL
Atlantic salmon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Chinook salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coho salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sablefish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rainbow trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PROPOSED CUMULATIVE TOTAL
Combined Peak Biomass (t): ➡	3,600.00	2,400.00		
				6,000.00

\*If "Other" species are requested, see guidebook for more details.

### PART III - SECTION B: DOMESTIC WASTE MANAGEMENT

COMPLETE THIS SECTION IF APPLYING FOR A NEW SITE OR MODIFYING LIVING ACCOMMODATION TO AN EXISTING SITE

1. Is there a floating living accommodation within the marine waters of the application area?

Provide description of domestic sewage treatment works:

grey water retention greater than 24 hours

☒ Yes

☐ No

2. Location of the sewage discharge point (include depth of outfall line):

greater than 15m



## PART III - SECTION C: WILD FISH, FISH HABITAT AND SITING CONSIDERATIONS ?

**NOTE:** Qualified professionals must conduct the habitat assessment and sediment sampling survey(s) and reporting.

IS ATTACHED	NOT REQUIRED	DOCUMENT (Check each box to confirm that documents are attached)	
<b>C1 MODELING &amp; CURRENTS</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.1 Diagram(s) of prediction(s) at maximum feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.2 Diagram(s) of prediction(s) at average feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.3 Summary tables and results	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.4 Current Data	
<b>C2 FISH AND FISH HABITAT SURVEYS</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.1 Nearshore Survey	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.2 Deepwater Survey	
<b>C3 SEDIMENT SAMPLING</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	* Check "NOT REQUIRED" if substrate cannot be sampled	
<b>C4 SENSITIVE AND CRITICAL HABITAT SURVEY(S) OR DATA</b>			
IS ATTACHED	TYPE	IS ATTACHED	TYPE
<input checked="" type="checkbox"/>	Stream survey	<input checked="" type="checkbox"/>	Glass sponge complexes
<input checked="" type="checkbox"/>	Historic herring spawn	<input checked="" type="checkbox"/>	Shellfish beds
<input checked="" type="checkbox"/>	Marine Mammal usage area	<input checked="" type="checkbox"/>	Abalone
<input checked="" type="checkbox"/>	Eelgrass beds	<input checked="" type="checkbox"/>	Lingcod
<input checked="" type="checkbox"/>	Kelp beds	<input checked="" type="checkbox"/>	Rockfish rearing/nursery areas
<b>C5 REFERENCE STATION DATA</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Video data and Sediment Sampling	

## PART III - SECTION D: MANAGEMENT PLANS

The following facility management plans must be attached to your application. Check each box to confirm is attached.

IS ATTACHED	PLAN
<input checked="" type="checkbox"/>	<b>D1 INVENTORY PLAN</b> - A 24 month Inventory Plan for all licensed species including biomass and age class.
<input checked="" type="checkbox"/>	<b>D2 CONTAINMENT ARRAY MANAGEMENT PLAN</b> - describes the structural operational components and location of compliance monitoring stations.
<input type="checkbox"/>	<b>D3 HEALTH MANAGEMENT PLAN (HMP)</b> - outlines the actions or procedures that operator must use at a facility to meet fish health requirements.
<input type="checkbox"/>	<b>D4 ESCAPE PREVENTION AND RESPONSE PLAN</b> - outlines the infrastructure and practices employed to prevent the escape of cultured fish into the marine environment.
<input type="checkbox"/>	<b>D5 MARINE MAMMAL INTERACTION MANAGEMENT PLAN</b> - describes measures to deter and minimize predator interactions.

**NOTE:** Upon approval, the CONTAINMENT ARRAY AND HEALTH MANAGEMENT PLANS will be incorporated into the Conditions of Licence.

## PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

### PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

### PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. <b>Waterway Name:</b> Richards Channel	
Width (m): 2,500.00	Depth Range (m): 0-161m
2. <b>Nearest Community:</b> Port Hardy	
3. <b>Is this Work:</b> <input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work	
4. <b>To help with the review process, please include the following if available. Check each box to confirm is attached.</b>	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	

## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link

[http://www.bclaws.ca/civix/document/id/lc/statreg/177\\_2003](http://www.bclaws.ca/civix/document/id/lc/statreg/177_2003). Note that the fee structure does not include that taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to **Minister of Finance**.  
FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

**FEDERAL FEES:** <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

### DISCLOSURE:

*The information you provide may be subject to the following legislation: British Columbia Freedom of Information and Protection of Privacy Act (FOIPPA); the federal Access to Information Act; and the federal Privacy Act. Personal information is collected by FrontCounter BC under the legal authority of section 26 (a), (c) and (e) and 27(1) (a) (i) of the FOIPPA. The collection, use, and disclosure of personal information is subject to the provisions of the FOIPPA.*

*The Province of British Columbia and the federal Fisheries and Oceans Canada and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the Act or the federal Access to Information Act.*

*Personal information may be disclosed by FrontCounter BC to local, provincial and federal governments; First Nations; and the public on an as needed basis for the purposes of reviewing and processing your inquiry or application(s) under the BC Land Act, BC Fish and Seafood Act, federal Fisheries Act and the federal Navigation Protection Act. The information, with the exception of date of birth, may be posted on a public webpage and may be accessed outside of Canada. Contact information may be accessed and used by FrontCounter BC for survey purposes.*

*For more information regarding the collection, uses, and/or disclosure of your personal information, please contact: FrontCounter BC at 1-877-855-3222 or at FrontCounter BC Program Director, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3; or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada.*

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture.licensing@dfo-mpo.gc.ca](mailto:aquaculture.licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

I understand that the information supplied will be used and disclosed as described above,

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)



Greg Gibson

2020/10/09

*\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.*



## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one "unprotected" PDF document. If not, name as following:  
**Proponent\_Application Type\_1of2**  
**Proponent\_Description of Supporting documents\_2of2**

Email to: [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

Fees: Upon review of your application, you will be notified by FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit <http://www.frontcounterbc.gov.bc.ca> for the location nearest you.

### BY MAIL:

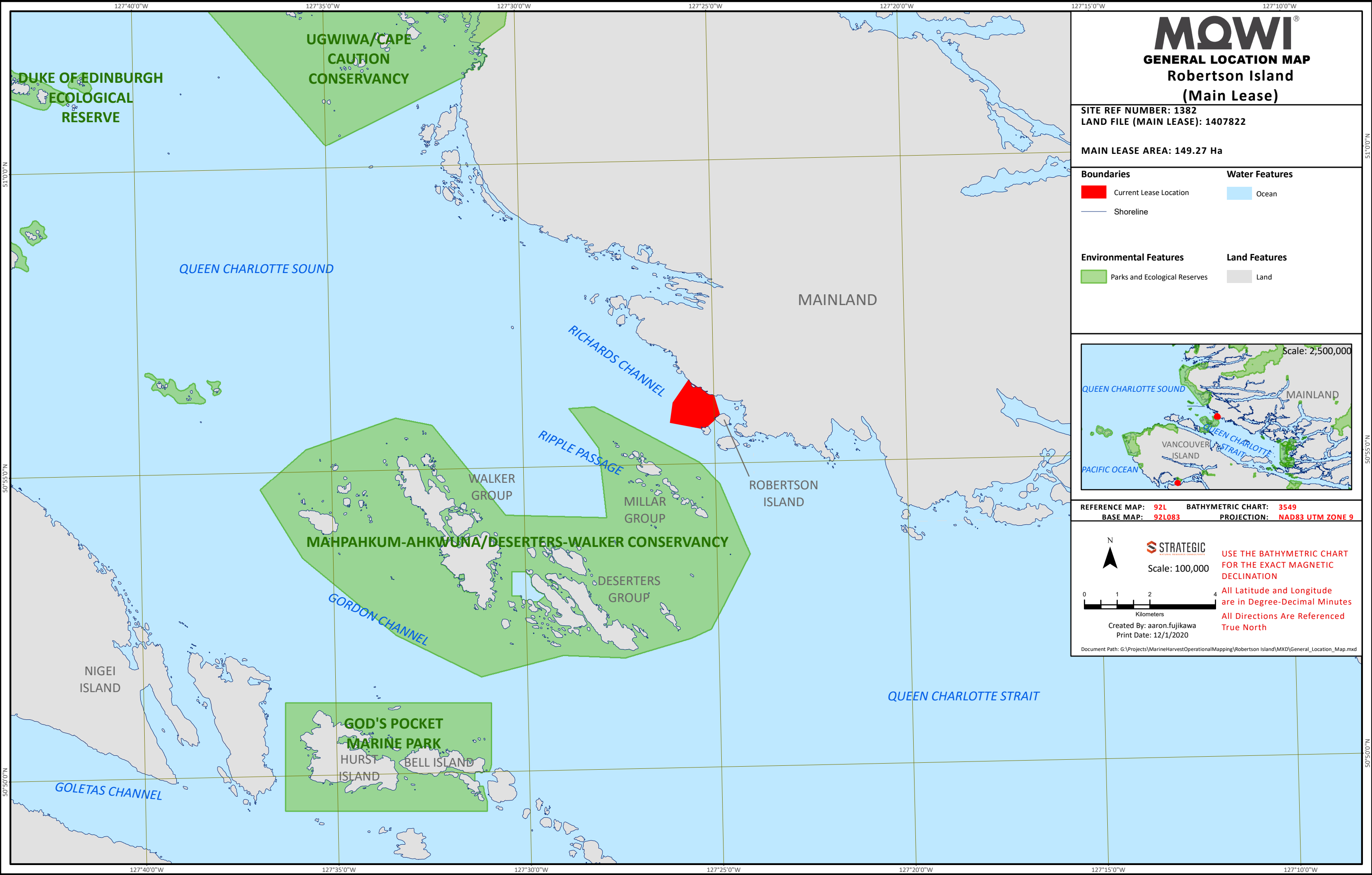
FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

APPLICATIONS ARE NOT TRANSFERABLE

THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES





**MOWI®**  
**GENERAL LOCATION MAP**  
**Robertson Island**  
**(Main Lease)**

SITE REF NUMBER: 1382  
LAND FILE (MAIN LEASE): 1407822

MAIN LEASE AREA: 149.27 Ha

Boundaries	Water Features
<div></div> Current Lease Location	<div></div> Ocean
<div></div> Shoreline	
Environmental Features	Land Features
<div></div> Parks and Ecological Reserves	<div></div> Land



REFERENCE MAP: 92L BATHYMETRIC CHART: 3549  
BASE MAP: 92L083 PROJECTION: NAD83 UTM ZONE 9

N

STRATEGIC  
NATURAL RESOURCE CONSULTANTS

Scale: 100,000

0124

Kilometers

Created By: aaron.fujikawa  
Print Date: 12/1/2020

Document Path: G:\Projects\MarineHarvestOperationalMapping\Robertson Island\MXD\General\_Location\_Map.mxd

USE THE BATHYMETRIC CHART  
FOR THE EXACT MAGNETIC  
DECLINATION

All Latitude and Longitude  
are in Degree-Decimal Minutes

All Directions Are Referenced  
True North

51°00'N

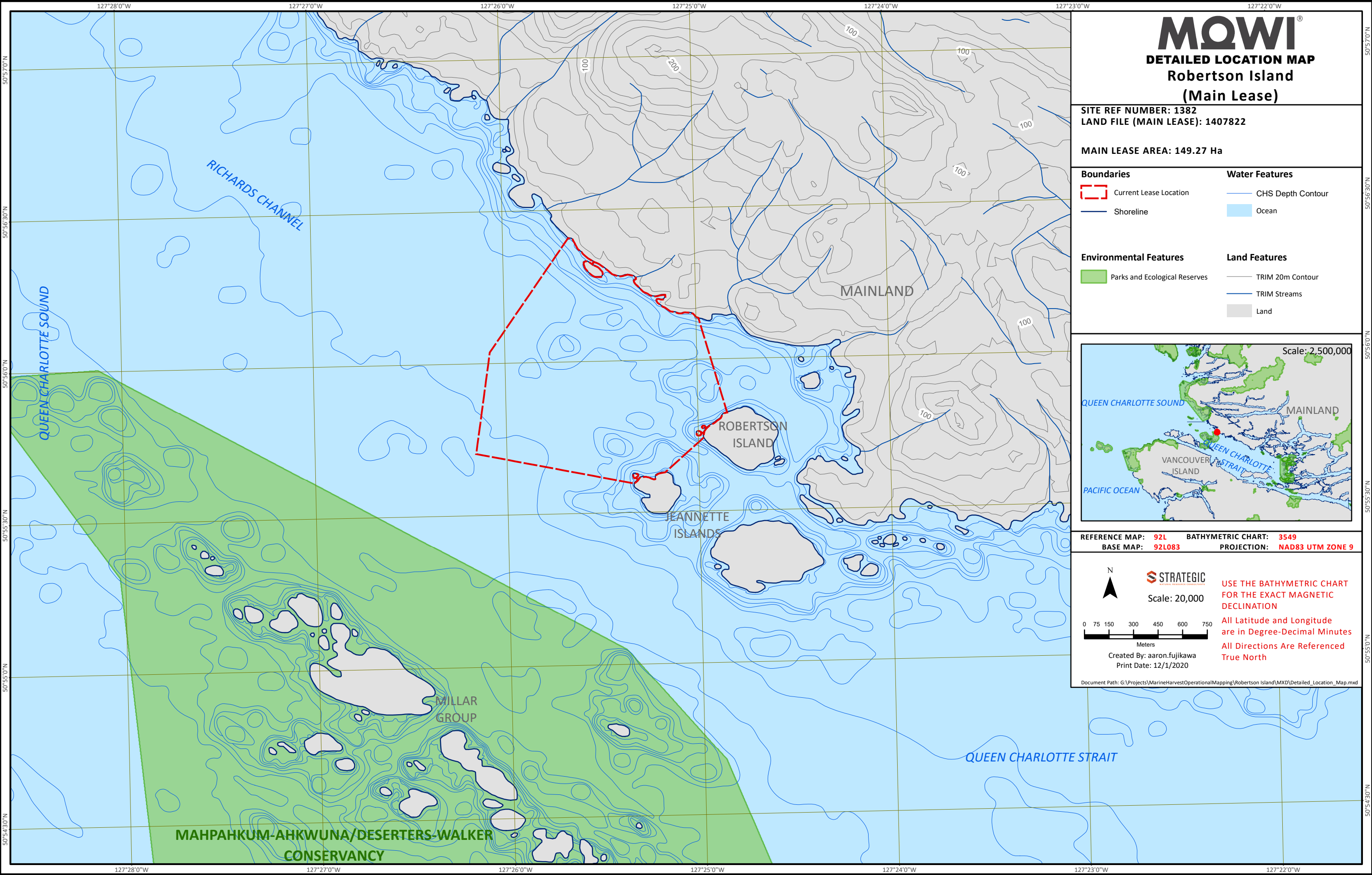
50°55'0"N

50°50'0"N

51°00'N

50°55'0"N

50°50'0"N



# MOWI®

## DETAILED LOCATION MAP

### Robertson Island

#### (Main Lease)

SITE REF NUMBER: 1382  
LAND FILE (MAIN LEASE): 1407822

MAIN LEASE AREA: 149.27 Ha

- | Boundaries             | Water Features    |
|------------------------|-------------------|
| Current Lease Location | CHS Depth Contour |
| Shoreline              | Ocean             |
- 
- | Environmental Features        | Land Features    |
|-------------------------------|------------------|
| Parks and Ecological Reserves | TRIM 20m Contour |
|                               | TRIM Streams     |
|                               | Land             |



REFERENCE MAP: 92L BATHYMETRIC CHART: 3549  
BASE MAP: 92L083 PROJECTION: NAD83 UTM ZONE 9

N

Scale: 20,000

0 75 150 300 450 600 750  
Meters

STRATEGIC  
NATURAL RESOURCE CONSULTANTS

**USE THE BATHYMETRIC CHART FOR THE EXACT MAGNETIC DECLINATION**

**All Latitude and Longitude are in Degree-Decimal Minutes**

**All Directions Are Referenced True North**

Created By: aaron.fujikawa  
Print Date: 12/1/2020

Document Path: G:\Projects\MarineHarvestOperational\Mapping\Robertson Island\MXD\Detailed\_Location\_Map.mxd















## TOP VIEW

## OPERATIONAL DIAGRAM




### Robertson Island (Main Lease)

**LAND FILE: 1407822      CURRENT LEASE AREA: 149.27 Ha**  
**SITE REFERENCE: 1382                  PROPOSED AREA: N/A**



## Water Features

-  Current Meter
-  Primary Current
-  Secondary Current
-  1m Interval
-  -30m Contour
-  Trim Cadastral Shore
-  CHS Depth Contour
-  CHS Shoreline
-  CHS Kelp Beds
-  CHS Underwater Rock
-  CHS Sounding Depth
-  CHS Tidal/Exposed Areas

### Cage Array

-  Anchor  
 Anchor Line  
 Array Extent  
 Circle Cage 120m, grid size 90m

## Tenure Boundaries

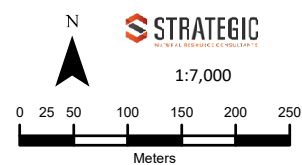
-  Legal Coordinates
-  Current Lease Boundary

Utility Type	No of Floats	Dimensions		I.U.A. (m2)
		Width	Length	
Array Extent	1	195	360	107100
Barge Array Extent	1	195	90	38250
House Float (H)	1	15	20	6000
Feed Shed (F)	1	20	50	8800
Mort Float (M)	1	10	10	4900
Utility Floats (U)	1	10	10	4900
Utility Floats (U)	2	10	15	10500
Total				180450

CAGE ARRAY COORDINATES:	SW	50° 55.857' N	/ 127° 25.767' W
	NW	50° 55.962' N	/ 127° 25.748' W
	SE	50° 55.835' N	/ 127° 25.460' W
	NE	50° 55.940' N	/ 127° 25.441' W
	B1	50° 55.934' N	/ 127° 25.365' W
	B2	50° 55.830' N	/ 127° 25.384' W

REFERENCE MAP: 92L BATHYMETRIC CHART: 3549  
BASE MAP: 92L083 PROJECTION: NAD83 UTM ZONE 9

VER	DATE	DESCRIPTION	INITIAL
1.0	07/03/2020	90m Grid, 2x4, 15m Center Lane, 120m Circle Pen	

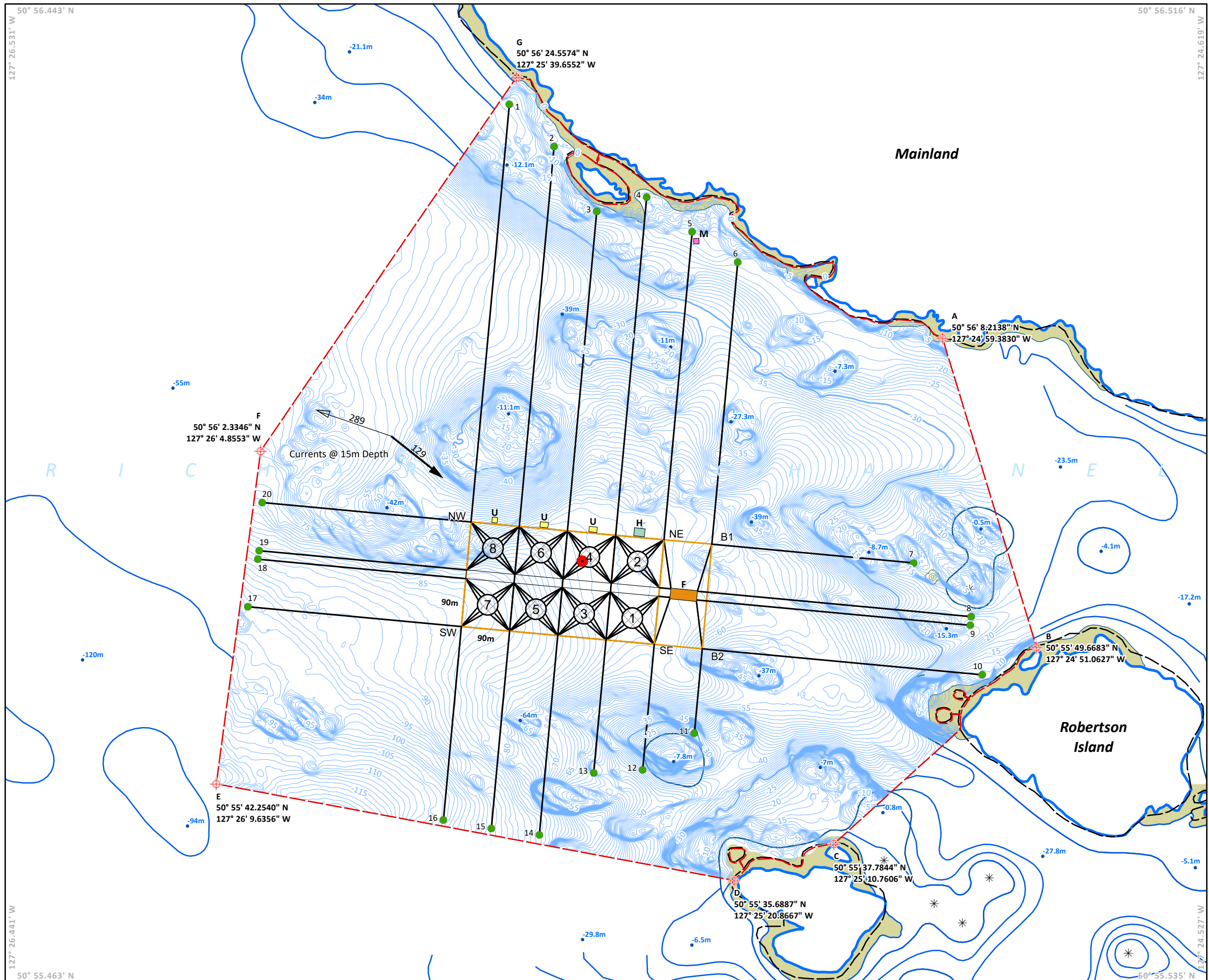


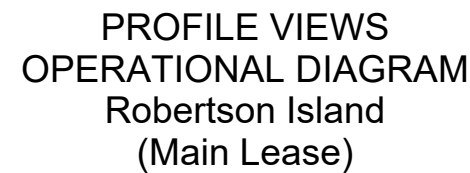
Print Date: 9/18/2020  
Created By: aaron.fujikawa

USE THE BATHYMETRIC CHART  
FOR THE EXACT MAGNETIC  
DECLINATION

All Latitude and Longitude  
are in Degree-Decimal Minutes  
All Directions Are Referenced  
True North











### Approximate Anchor Locations



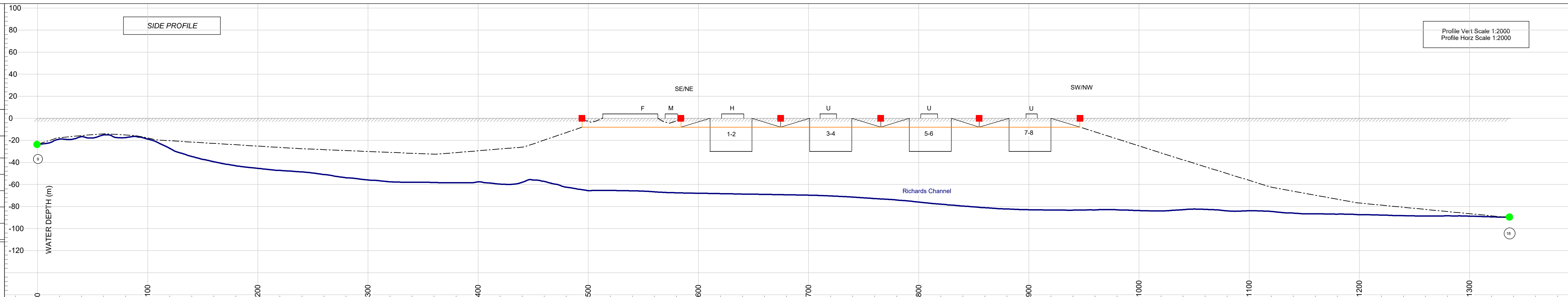


LAND FILE: 1407822	CURRENT LEASE AREA: 149.27 Ha
SITE REFERENCE: 1382	PROPOSED AREA: N/A

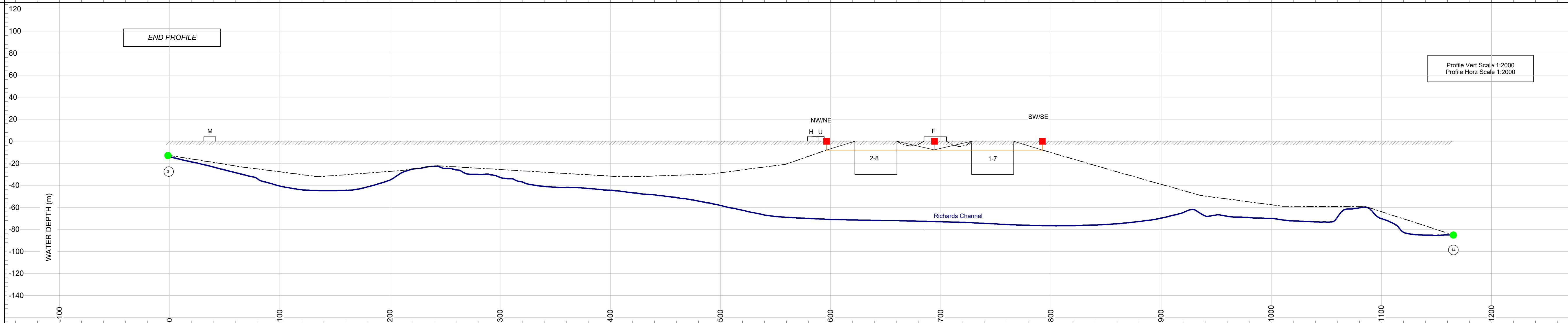
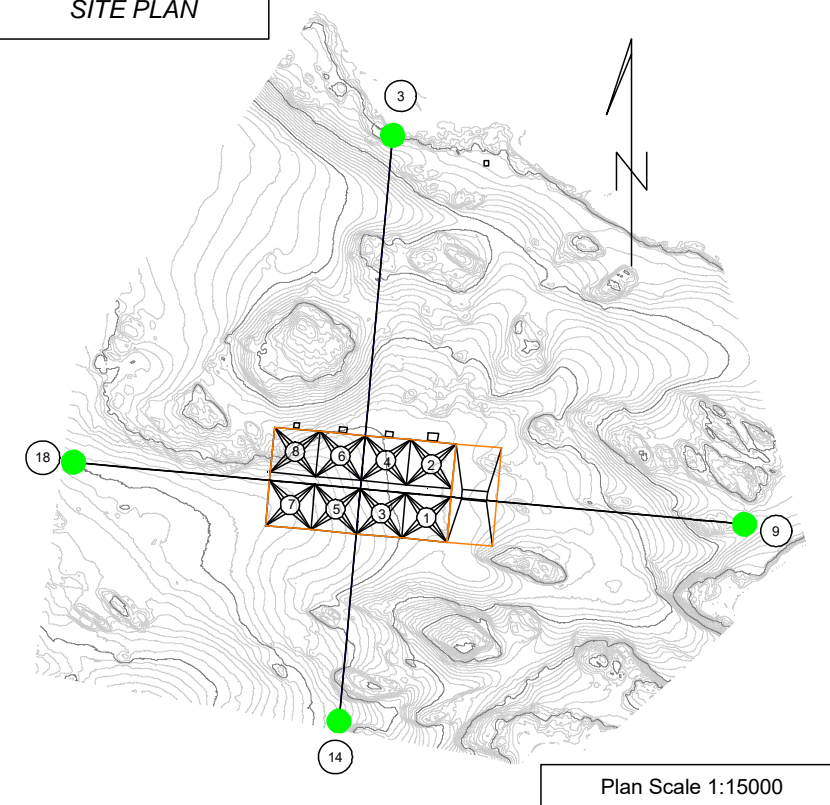
### LEGEND

	Comp Buoy		2m Contour Interval
	Bridle		20m Contour Interval
	Grid		Water Line
	Cage		Ocean Bottom
	Mooring Rope		Anchor

F	Feed Shed	version: 90m_2x4_120m
H	Float House	
M	Mortality Float	
U	Utility Float	



## SITE PLAN



DRAWING: REV-1.1  
DRAWN BY: e.ross  
PRINT DATE: 2020/10/12