

FOR INTERNAL USE

File Number: 1414042	Project Number: 254483
Disposition Number:	Client Number:

PACIFIC SHELLFISH AQUACULTURE APPLICATION

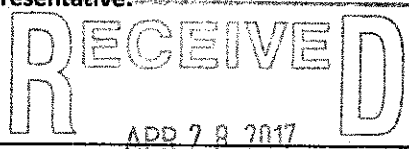
MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS
FISHERIES AND OCEANS CANADA
TRANSPORT CANADA

Please refer to **Guide to the Pacific Shellfish Aquaculture Application** for additional important information on how to complete this application correctly.
Incomplete applications will be returned to the applicant.

PART I – GENERAL APPLICANT INFORMATION

SECTION A: APPLICANT AND GENERAL INFORMATION

1. Applicant Name(s) (Full Legal Name(s) or Registered Company Name): Maplestar Seafood Ltd		Applicant Business Information: Telephone: (250) 728 7580 Cell: (250) 618 0596, 250 816 7580 Fax: (250) 448 728 7580 Email: fujuan2001@hotmail.com	
2. Applicant Business Mailing Address: 6129 Brickyard Rd Nanaimo, BC V9V 1K3		Postal Code: V9V 1K3	
3. Doing Business As:		4. BC Inc. #, BC Registration # or BC Society # 820 977064 RT2001	
5. Physical Business Address (if different from above): Postal Code:			
6. Contact Name (if different from above):		Contact Business Information: Telephone: () Cell: () Fax: () Email:	
7. Agent/Representative (if applicable): Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No		Agent/Representative Business Information: Telephone: () Cell: () Fax: () Email:	
8. Business Mailing Address of Agent/Representative:		Postal Code:	



9. Type of Application:

☒ New Site → TENURE TYPE: (please check only 1 box) ☒ Licence of Occupation ☐ Lease ☐ Investigative Permit

☒ Amendment → AMENDMENT TYPE: (please check all the boxes that apply)

☒ Tenure Area ☒ Infrastructure ☒ Production ☒ Species
☐ Other (describe):

☐ Licence Holder Change → CURRENT LICENCE HOLDER NAME:

10. Government Reference Numbers:

BC Land File # (Crown land): 1414042 OR Park Use Permit # (Park/Protected land): OR Parcel Identification # (Private land):

NWPA #

Expiry date:
(yyyy/mm/dd)

DFO Aquaculture Facility #

SECTION B: SITE AND INFRASTRUCTURE INFORMATION

1. Site Category:

☒ Provincial Crown Land ☐ Provincial Park ☐ Private Land ☐ Federal Land
☐ First Nation Reserve ☐ Other (describe):

2. Geographic location of site:

Nanoose Bay, Southside

3. Site Common Name:

4. Pacific Fishery

Management Area: 17-20

Sub Area:

20

5. Canadian Hydrographic Service

Chart (CHS) Marine Chart Number: 3458

OR Topographical Map Number:

6. If the application area is surveyed, provide legal description of site (e.g. Land District and Lot Number):

7. If the application area is not surveyed, provide the metes and bounds description from a known surveyed point or geographic reference (UTM or latitude and longitude):

49° 15' 25.377"
124° 10' 42.64"

see attached map

Alternatively, provide a shape file geo-referenced to BC Albers projection (NAD 83) Shape file submitted? ☐ Yes ☐ No

8. GPS coordinates for the center of the application area/tenure:

Latitude: 49° 15' 25.377"

Longitude: 124° 10' 42.64"

9. Total area of the site (Hectares):

Current Size: 1.21 hectares

Proposed Size: 1.21 + 1.13 = 2.34 hectares

10. Culture Type (check all that apply):

☒ Intertidal Beach culture – culture activity takes place between the high water mark and the low water mark (chart datum)

☐ Subtidal on/in bottom culture – culture activity takes place on the sea floor below chart datum

☐ Deepwater Suspended culture – culture activity takes place on the surface or within the water column

☐ Nursery Operation – culture activity includes juvenile rearing

NOTE: For a shellfish Hatchery Operation where the culture activity is proposed to be located on land, use the **PACIFIC FRESHWATER/LAND-BASED AQUACULTURE APPLICATION**.

11. Physical Structures (Improvements):

Complete table below by checking all applicable structures, existing & proposed and estimated area of the application site that will cover all existing and planned structures. Where applicable, note the number and dimensions of the structures.

There are specific conditions of licence for shellfish aquaculture that licence holders must adhere to pertaining to the installation, inspection and maintenance of structures and gear. Please review these carefully in the Guide to the Pacific Shellfish Aquaculture Application or on the DFO internet site at: <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/shell-cog-eng.html>

TABLE 11.1: PHYSICAL STRUCTURES - FLOATS

DESCRIPTION OF STRUCTURES	CURRENTLY LICENSED	PROPOSED	TOTAL NUMBER	DIMENSIONS (m OR m ²) OF EACH STRUCTURE	ESTIMATED TOTAL AREA (m ²) OF COVERAGE
Work Floats					
Product handling	<input type="checkbox"/>	<input type="checkbox"/>			
Living accommodation	<input type="checkbox"/>	<input type="checkbox"/>			
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>			

TABLE 11.2: PHYSICAL STRUCTURES - VARIOUS

DESCRIPTION OF STRUCTURES	CURRENTLY LICENSED	PROPOSED	TOTAL NUMBER	NEW ESTIMATED TOTAL AREA (m ²)
Predator Protection				
Predator netting (intertidal beach)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		6000m ²
Predator netting (describe):	<input type="checkbox"/>	<input type="checkbox"/>		
Tubes (e.g. Sections PVC or other material)	<input type="checkbox"/>	<input type="checkbox"/>		
Other (describe):	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		oyster fence 8000m ²
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
Intertidal Beach Gear				
Rock Walls	<input type="checkbox"/>	<input type="checkbox"/>		
Trenches	<input type="checkbox"/>	<input type="checkbox"/>		
Berms	<input type="checkbox"/>	<input type="checkbox"/>		
Rack and Bag systems	<input type="checkbox"/>	<input type="checkbox"/>		
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
Sand trays for good luck	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		400m ²

TABLE 11.2 CONTINUED ON NEXT PAGE/...

TABLE 11.2 CONTINUED...

DESCRIPTION OF STRUCTURES	CURRENTLY LICENSED	PROPOSED	TOTAL NUMBER	NEW ESTIMATED TOTAL AREA (m ²)
Nursery Infrastructure				
FLUPSY	<input type="checkbox"/>	<input type="checkbox"/>		
Intertidal remote setting	<input type="checkbox"/>	<input type="checkbox"/>		
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
Suspended Culture Gear				
Rafts	<input type="checkbox"/>	<input type="checkbox"/>		
Long lines	<input type="checkbox"/>	<input type="checkbox"/>		
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
On/In bottom Subtidal Culture Gear				
Containment structure(s) for adults or juveniles	<input type="checkbox"/>	<input type="checkbox"/>		
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		

TABLE 11.3: PHYSICAL STRUCTURES - SITE MARKING

DESCRIPTION OF STRUCTURES	CURRENTLY LICENSED	PROPOSED	DESCRIPTION OF STRUCTURES	CURRENTLY LICENSED	PROPOSED
Site Marking Blocks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Navigational Markers	<input type="checkbox"/>	<input type="checkbox"/>
Sinking ground line	<input type="checkbox"/>	<input type="checkbox"/>	Anchor blocks	<input type="checkbox"/>	<input type="checkbox"/>
Other (describe below):			→ Anchor blocks DEPTH (m)		
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

SECTION C: MAPS AND DIAGRAMS

Attach the following maps and diagrams. They must be submitted to scale and be consistent with the other information in this application. Please refer to the Mapping Descriptions and Sample Mapping in the Pacific Shellfish Aquaculture Guidance Document.

Note: If drawings are larger than 11" x 17", Transport Canada requires that you enclose five (5) copies. For drawings 11" x 17" or smaller, one (1) copy will be sufficient.

Check each box to confirm that documents are attached.

- General Location Map:** A topographic map (if the site is located on land) or a Canadian Hydrographic Service (CHS) Marine Chart (if the site is located in marine waters) at a scale of 1:50,000 to 1:250,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc. ☒
- Detailed Location Map:** A section of a Canadian Hydrographic Service (CHS) Marine Chart of a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application. ☒
- Top View Operational Diagram:** A 1:5000 scale CHS chart showing the application boundaries, site improvements, and metes and bounds description. ☒
- Side View Operational Diagram, based on the culture type:** A scaled schematic diagram(s) showing a side view of the proposed operation, which includes all structures. ☒

SECTION D: WATER USE

1. Will fresh water be used at this facility? <input type="radio"/> Yes <input checked="" type="radio"/> No
If <u>Yes</u> , and if water source is surface water (not ground), provide the name of the water source:
2. If you already have a water licence at this site, please provide licence number, or provide date of submission of an application:

SECTION E: FIRST NATIONS CONSIDERATION

Please describe any contact you may have had, including the name of the First Nation(s) and individuals contacted. Consult the consultative Area Database (CAD) Public Map Service for First Nations contact information instructions and supporting information - ftp://ftp.geobc.gov.bc.ca/pub/outgoing/CAD/CAD_Public_Map_Service-User_Guidance-Technical_Instructions.pdf.

PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNR)

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

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
If **Yes**, the applicant is required to provide written consent from the private land upland owner to occupy the site for the proposed term of the tenure.

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

If **No**, have you contacted the local government?

☒ Yes ☐ No

Provide details of communications and relevant correspondence with your application.

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

Reginal District of Nanaimo

SECTION B: ADDITIONAL CROWN LANDS INFORMATION

- | | |
|--|---|
| 1. Is applicant or applicant's spouse a provincial government employee? | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 2. 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 |
| 3. Is/Are applicant(s) 19 years of age or older? | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 4. For applications made by more than one individual: | <input type="radio"/> N/A <input checked="" type="radio"/> Joint Tenant OR <input type="radio"/> Tenants in Common |



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 or amendment to an existing licence pursuant to the federal *Fisheries Act*, *Pacific Aquaculture Regulations*.

NOTE: If you are requesting an increase or change in species or production that requires an infrastructure modification, please ensure that Part I, Section A, Question 9; and Part I, Section B, Question 12 are completed.

DFO requires the applicant(s), if an individual or a proprietorship or a person 'doing business as', submit date(s) of birth:

Applicant 1:	Date of Birth (yyyy/mm/dd):
Applicant 2:	Date of Birth (yyyy/mm/dd):

SECTION A: ELIGIBILITY FOR A SHELLFISH AQUACULTURE LICENCE

Eligibility for a federal Shellfish Aquaculture Licence requires adherence to general Conditions of Licence. The general Conditions of Licence for shellfish aquaculture can be found at:

<http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/shell-coq-eng.html>

This completed document, when approved, will form the Site Management Plan on which your aquaculture licence conditions will be based. Please review the Conditions of Licence prior to submitting your application.

SECTION B: SANITARY GROWING WATER STATUS – BIVALVES ONLY

<p>1. Is the application site or <u>any portion of it</u> located in marine waters that are classified as:</p> <p><input checked="" type="checkbox"/> Approved or Conditionally Approved for direct harvest of bivalve shellfish</p> <p><input type="checkbox"/> Restricted or Conditionally Restricted (no direct harvest of bivalve shellfish is permitted - depuration or relay may be permitted depending of the water quality sample results)</p> <p><input type="checkbox"/> Closed / Prohibited to the harvest of bivalve shellfish</p> <p><input type="checkbox"/> Unknown</p>
<p>2. Is the application site or <u>any portion of it</u> located in marine waters that are classified as:</p> <p><input type="checkbox"/> Prohibited – within 125 meters of finfish net pens</p> <p><input type="checkbox"/> Prohibited – within 125 metres of a marina</p> <p><input type="checkbox"/> Prohibited – within 125 meters of floating living accommodation</p>



SECTION C: INTERTIDAL BEACH CULTURE

1. Estimated Intertidal culture area:		hectares (culture area located between high tide and chart datum)							
2. Intertidal Area Details by Species:									
CHECK ALL THAT APPLY	SPECIES COMMON NAME	SPECIES SCIENTIFIC NAME	CURRENTLY LICENSED		FIRST YEAR THAT PRODUCTION (SALE) IS ANTICIPATED TO OCCUR	ANNUAL PRODUCTION ESTIMATE (t)	SOURCE OF STOCK BY SPECIES FOR CULTURE AT THIS SITE (CHECK ALL THAT APPLY) ¹		
			PROPOSED				Hatchery	Natural Sets on Site	Other Stock Source ²
<input checked="" type="checkbox"/>	Manila Clam	<i>Venerupis philippinarum</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15+ 10.5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Pacific Oyster	<i>Crassostrea gigas</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15+ 10.0		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Little neck clam		<input checked="" type="checkbox"/>	<input type="checkbox"/>	2+ 1.0		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Cockle clam		<input checked="" type="checkbox"/>	<input type="checkbox"/>	2+ 0.5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Geoduck clam		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1.0		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Annual Production estimate:						58	(t)		
¹ Note: The source of stock for the licensed site may require additional authority to harvest wild fish from on or off your site for use as brood stock or for on-growing, as well as specific transfer and/or import licences from Canadian Food Inspection Agency (CFIA) and the Introductions and Transfers Committee (ITC). See Section H. ² Note: Other stock source – please provide details, e.g. import, relay for on-growing, etc.									
3. Do you intend to use a Mechanical Clam Harvesting machine or 'stinger' harvest gear at this site?						<input type="radio"/> Yes <input checked="" type="radio"/> No			

**SECTION D: SUBTIDAL ON/IN BOTTOM CULTURE**

1. Estimated subtidal on/in bottom culture area: _____ hectares (for the area of the sea floor below chart datum)

What is the maximum culture depth within the proposed application area? _____ metres

How much of the proposed application area has depths greater than 30m? _____ hectares

2. Subtidal On/In Culture Area Details by Species:

CHECK ALL THAT APPLY	SPECIES COMMON NAME	SPECIES SCIENTIFIC NAME	CURRENTLY LICENSED		FIRST YEAR THAT PRODUCTION (SALE) IS ANTICIPATED TO OCCUR	ANNUAL PRODUCTION ESTIMATE (t)	SOURCE OF STOCK BY SPECIES FOR CULTURE AT THIS SITE (CHECK ALL THAT APPLY) ¹		
				PROPOSED			Hatchery	Natural Sets on Site	Other Stock Source ²
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Annual Production estimate:						(t)			

¹Note: The source of stock for the licensed site may require **additional authority** to harvest wild fish from on or off your site for use as brood stock or for on-growing, as well as specific transfer and/or import licences from Canadian Food Inspection Agency (CFIA) and the Introductions and Transfers Committee (ITC). See Section H.

²Note: Other stock source – please provide details, e.g. import, relay for on-growing, etc.

**SECTION E: DEEPWATER SUSPENDED CULTURE****1. For deepwater suspended culture sites:**

Estimated suspended structures culture area: hectares

Minimum Depth below Structures at chart datum: meters, as measured from the deepest hanging trays, lines, etc. to the sea floor.

2. Deep water suspended culture area details by species:

CHECK ALL THAT APPLY	SPECIES COMMON NAME	SPECIES SCIENTIFIC NAME	CURRENTLY LICENSED		FIRST YEAR THAT PRODUCTION (SALE) IS ANTICIPATED TO OCCUR	ANNUAL PRODUCTION ESTIMATE (t)	SOURCE OF STOCK BY SPECIES FOR CULTURE AT THIS SITE (CHECK ALL THAT APPLY) ¹		
				PROPOSED			Hatchery	Natural Sets on Site	Other Stock Source ²
<input type="checkbox"/>	Eastern Blue Mussel	<i>Mytilus edulis</i>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Western Blue Mussel	<i>Mytilus trossulus</i>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Pacific Oyster	<i>Crassostrea gigas</i>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Japanese Scallop	<i>Mizuhopecten yessoensis</i>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Pacific Scallop (hybrid)	<i>Patinopecten x.</i>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Annual Production estimate:						(t)			

¹Note: The source of stock for the licensed site may require **additional authority** to harvest wild fish from on or off your site for use as brood stock or for on-growing, as well as specific transfer and/or import licences from Canadian Food Inspection Agency (CFIA) and the Introductions and Transfers Committee (ITC). See Section H.

²Note: Other stock source – please provide details, e.g. import, relay for on-growing, etc.



SECTION F: DOMESTIC WASTE MANAGEMENT

NOTE: Bivalve shellfish (clams, oysters, mussels, scallops) shall not be cultivated, stored, or harvested within 125 m of any floating living accommodation unless:

- the cultivated bivalves are seed <http://www.inspection.gc.ca/food/fish-and-seafood/manuals/canadian-shellfish-sanitation-program/eng/1351609988326/1351610579883?chap=3>; and
- a licence under the Management of Contaminated Fisheries Regulations (<http://www.pac.dfo-mpo.gc.ca/fm-gp/licence-permis/sci/index-eng.html>) has been obtained for the licensed area to harvest seed from a prohibited area; or
- an approved Zero Discharge Waste Management Plan is in place that reduces the prohibited harvest area to 25m.

1. Is there a floating living accommodation within the marine waters of the application area?	<input type="radio"/> Yes <input checked="" type="radio"/> No
2. If Yes, is there an approved Zero Discharge Waste Management Plan in effect for this site?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
3. Please provide description and location of sanitary (washroom) facilities for your own and staff needs: <i>Portable toilet on boat</i>	
4. Please provide the method(s) for storage and disposal of your other waste materials. (e.g., the location of an approved landfill for disposal of your waste materials): <i>To 1105 Cedar Rd. Nanaimo landfill or recycling depot. as appropriate</i>	

**SECTION G: FISHERIES PROTECTION**

Fisheries and Oceans Canada – Aquaculture Management Division (DFO - AMD) is responsible for the sustainable management of aquaculture in British Columbia.

Like other types of industrial development taking place in and around water, aquaculture projects have the potential to affect fish and fish habitat.

NOTE: Please note aquaculture activities may not occur in salt marsh habitat.

Aquaculture activities must not result in harm to a Species at Risk Act (SARA) listed species, their residence, or their critical habitat, as defined in the associated Recovery Strategy, or Action Plan.

1. Intertidal Culture Operations

- a) Are you proposing to undertake: substrate modifications (i.e. constructing rock walls, trenches, berm or other substrate addition, redistribution or removal); or remote setting on your licensed area? ☐ Yes ☒ No
- b) Are you proposing to: install geoduck tubes, use rack and bag structures; use a mechanical clam harvester; and/or use a motorized vehicle (i.e. truck or ATV) or a 'stinger' (high pressure water wand harvesting gear) on your licensed area in any of the following habitats? ☐ Yes ☒ No
- i) intertidal stream channels
 - ii) eelgrass beds (*Zostera* sp.)
 - iii) fish spawning areas
 - iv) SARA listed species, critical habitat, and/or residence
- c) Are you planning to access your licensed area through a marine riparian area? ☐ Yes ☒ No

2. Suspended Culture Operations

- a) Are you proposing to install any aquaculture structures or conduct aquaculture activities (including anchor system placement) in waters shallower than the 10m bathymetric contour? ☐ Yes ☐ No
- b) Are you proposing to install any aquaculture structures or conduct aquaculture activities (including anchor system placement) in waters deeper than 10m (measured from chart datum) and over any of the following habitats? ☐ Yes ☐ No
- i) rocky reefs
 - ii) kelp beds
 - iii) eelgrass beds (*Zostera* sp.)
 - iv) fish spawning areas
 - v) glass sponge complexes (*Hexactinellidae*) and/or coral complexes
 - vi) SARA listed species, critical habitat, and/or residence

3. Subtidal On / In-Bottom Culture Operations

- a) Are you proposing to install any temporary or permanent in- or on-bottom aquaculture structures (e.g. bags on bottom, cages, nursery structures, geoduck tubes, predator netting, etc.) other than site boundary markers in any of the following important or sensitive habitats? ☐ Yes ☐ No
- i) rocky reefs
 - ii) kelp beds
 - iii) eelgrass beds (*Zostera* sp.)
 - iv) fish spawning areas
 - v) glass sponge complexes (*Hexactinellidae*) and/or coral complexes
 - vi) SARA listed species, critical habitat, and/or residence



SECTION H: ADDITIONAL SUPPORTING INFORMATION

A separate application will be required to access fish, import species, or to introduce or transfer some species within British Columbia, if the planned source of stock, seed or juveniles for the licensed culture species for your site is:

1. Imported from outside of Canada,
2. From a hatchery (within or beyond the Transfer Zone where your site is located),
3. Natural set seed or spat collection from **off** your site,
4. Harvest of wild-caught fish to be relayed to your site, or
5. From another licensed site in a different transfer zone.

Contact the Introductions and Transfers Committee for more information and to obtain an application form at:

FAMITC@dfo-mpo.gc.ca:

Additional information on Shellfish Transfer Zones in BC and the requirements for the importation, introduction or transfer of shellfish is located in the Conditions of Licence at:

<http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/shell-coq-eng.html>

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 or amendment to an existing approval pursuant to the NPA.

SECTION A: SITING CONSIDERATIONS

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

SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. Waterway Name: <i>Nanoose Harbour</i>	
Width (m): <i>1800</i>	Depth Range (m): <i>53</i>
2. Nearest Community: <i>Nanaimo</i>	
3. Is this Work: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work	
4. To help with the review process, please include the following if available (check those you have attached):	
<input checked="" 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

All applicable components of this application package must be complete. Incomplete applications will be returned to applicant. Applicable fees must be submitted at time of application.

Please refer to **Guide to the Pacific Shellfish Aquaculture "Application Checklist"** to confirm that you have completed the sections of this application that are needed for the type of application you are making (i.e. New, Amendment, Change).

PROVINCIAL FEES:

Note that the current fee schedule does not include the taxes that apply.

New site applications: http://www.for.gov.bc.ca/Land_Tenures/documents/cabinet/fees-land.pdf

Amendment applications: http://www.for.gov.bc.ca/Land_Tenures/documents/cabinet/fees-misc.pdf

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.
Payment will not be accepted even if it has "CDN Funds" handwritten on the cheque.
- Debit Card (in-person only).
- Visa 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.

PLEASE NOTE: Additional items may be required (e.g. Advertising, Security Deposit, Proof of Insurance, Letter of Consent). Some items may have additional associated costs or require additional processing time.

DISCLOSURE:

The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPP Act); the federal *Access to Information Act*; and the federal *Privacy Act*. The personal information collected by the Government of BC is collected under the authority of section 26 (c) of the FOIPP Act and will be used to process your application(s) and will be shared only with the necessary government agencies needed to provide you with the service that you have requested. If you have any questions regarding the handling of your personal information, please contact the Manager, Privacy, Information Access and Records Management for the Province of BC c/o FrontCounter BC, 2080a Labieux Road, Nanaimo, BC V9T 6J9 and/or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada.

The Province of British Columbia, 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 *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

I understand that the information supplied will be used to review my applications under the *BC Land Act*, *BC Fisheries Act*, federal *Fisheries Act* and the federal *Navigable Waters Protection Act* and information will be shared amongst the other agencies, First Nations and/or with the public.

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 for direction regarding supporting documentation.

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

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

Date

→ Anyue
Me Yuan
Yuxin An
Fu Yuan
April 27, 2017
Jan 30th/2017

*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** (date will be on the email)

Attachments: Prefer the application and attachment to come all in one PDF document. If not, name as following:

Proponent_Application Type_1of2

Proponent_Description of Supporting documents_2of2

Email to: frontcounterbc@gov.bc.ca

Fees: IF FEES ARE APPLICABLE, CLIENT MUST CONTACT FRONTCOUNTER BC BY TELEPHONE WITH CREDIT CARD INFORMATION PRIOR TO SUBMITTING THE APPLICATION ELECTRONICALLY. DO NOT INCLUDE PAYMENT (CREDIT CARD) INFORMATION VIA EMAIL OR FAX.

Application Signature: Inserting names into the Signature area of the PDF application form will be deemed as signed when document is sent by email.

IN PERSON:

Any FrontCounter BC office.

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

BY MAIL:

FrontCounter BC, 2080a Labieux Road, Nanaimo, BC V9T 6J9

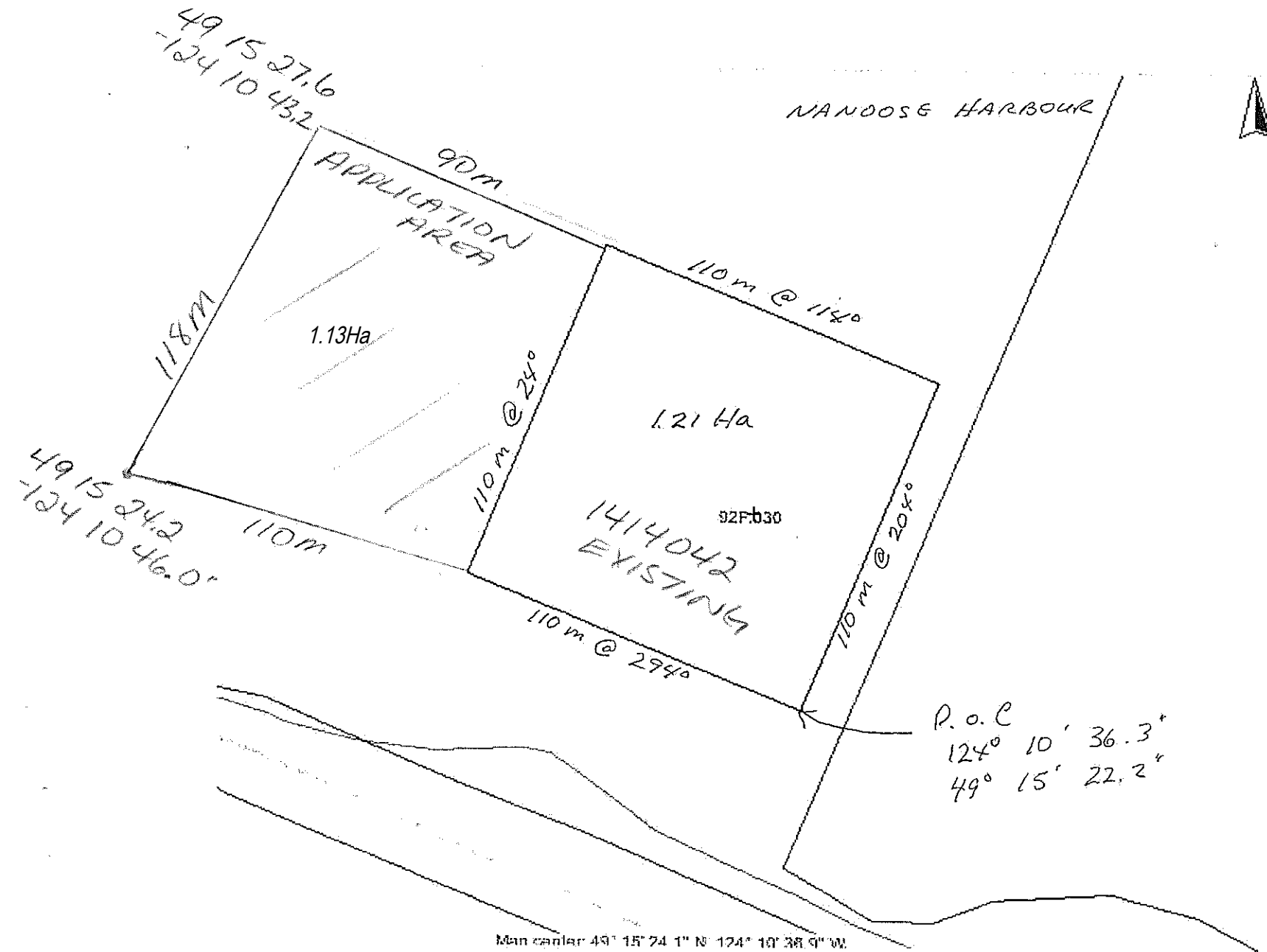
PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

APPLICATIONS ARE NOT TRANSFERABLE

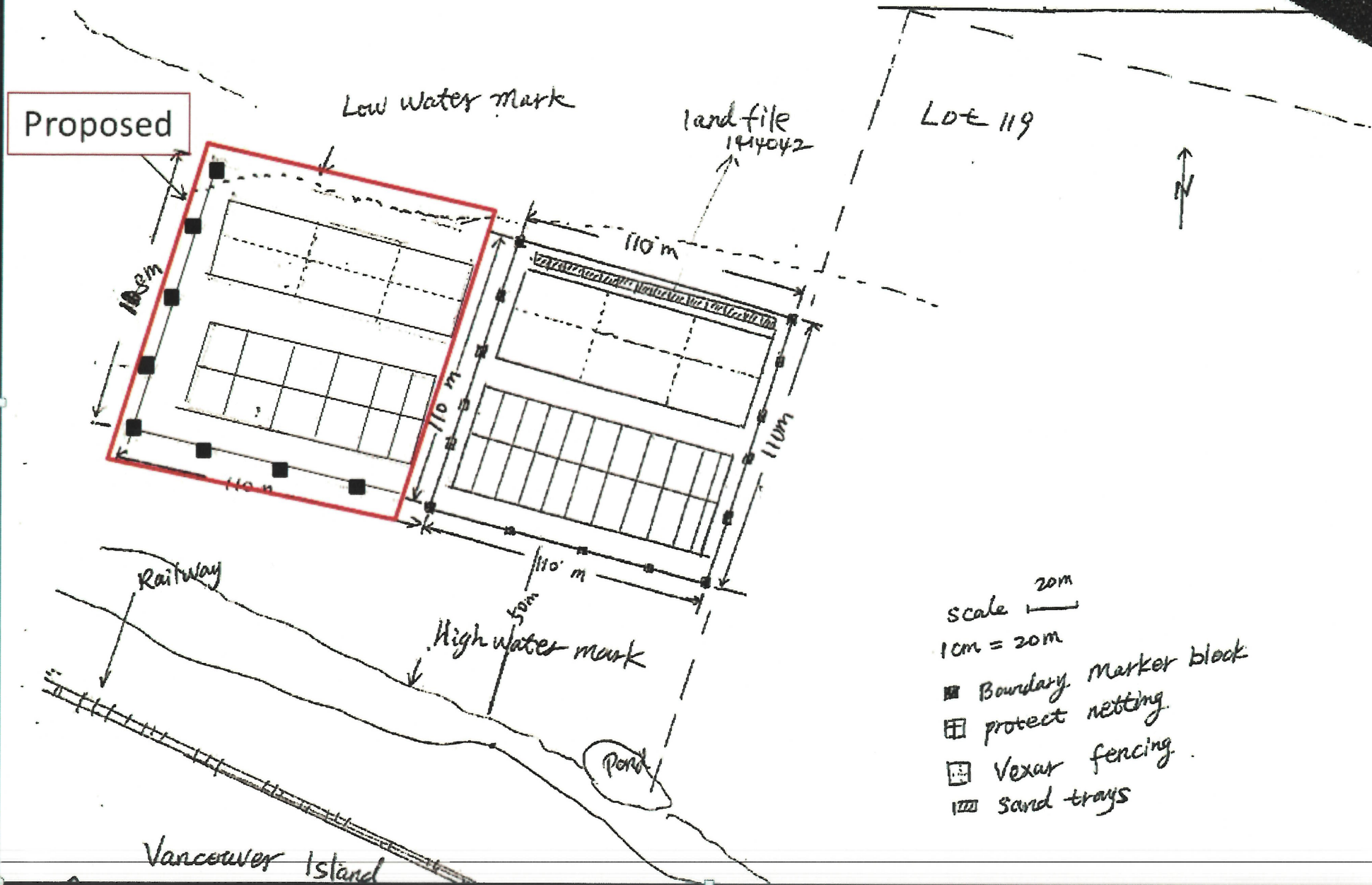
THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES



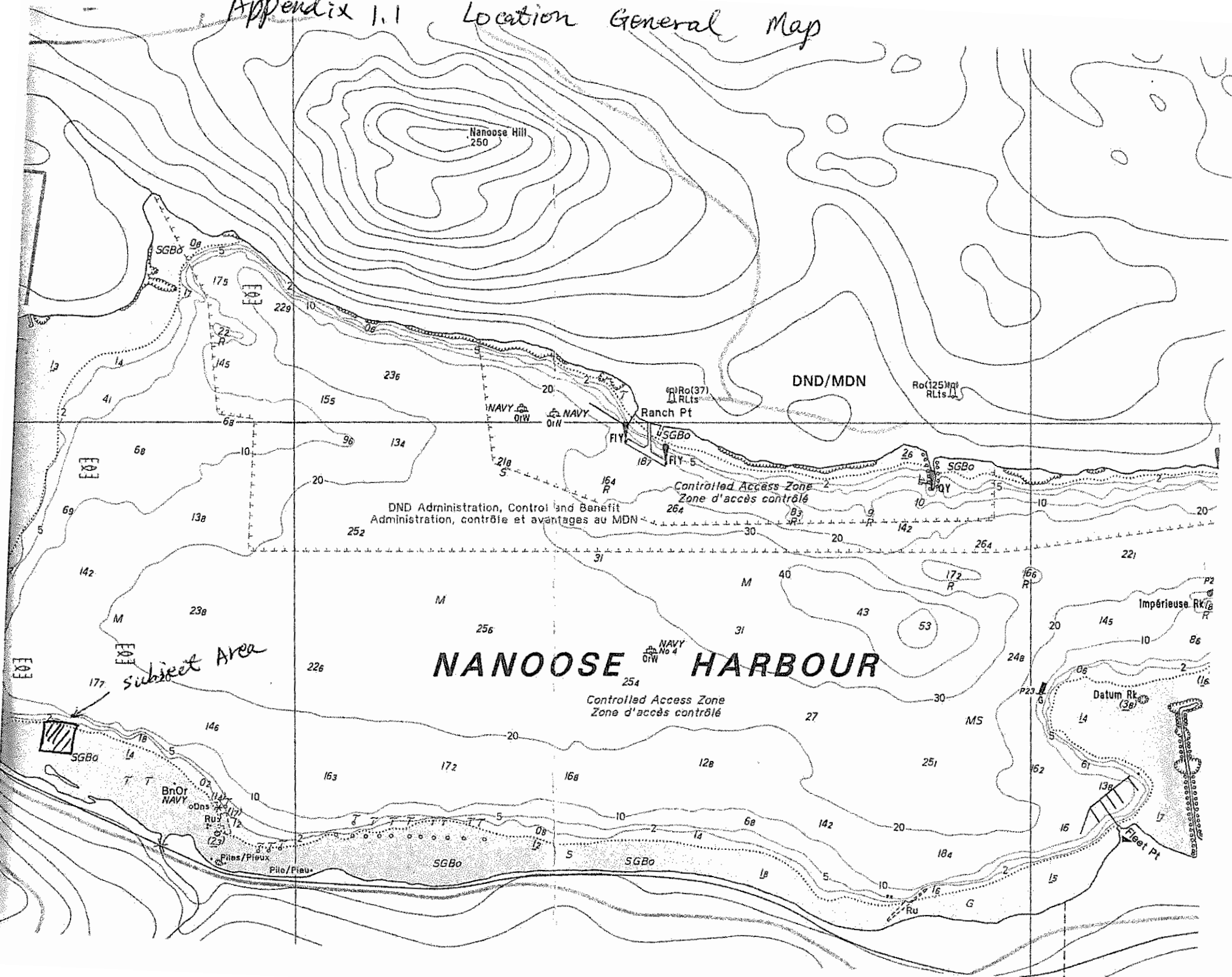
Appendix 1.2 detailed map of proposed site



Appendix 2 - Operational Diagrams, detailed Location

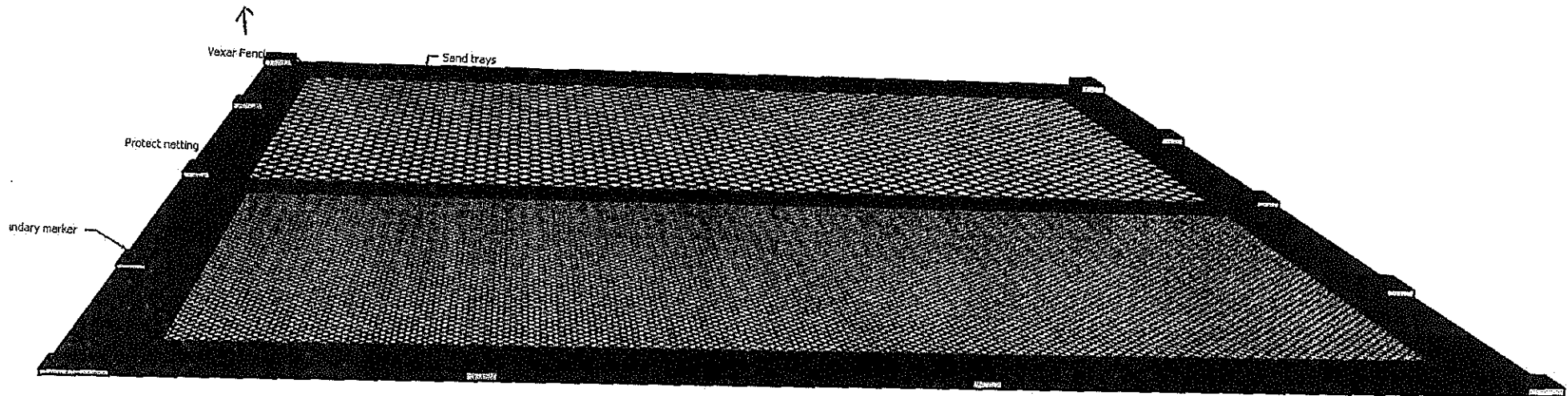


NANOOSE ²⁰ ^{NAVY} ^{No 4} _{01W} **HARBOUR**

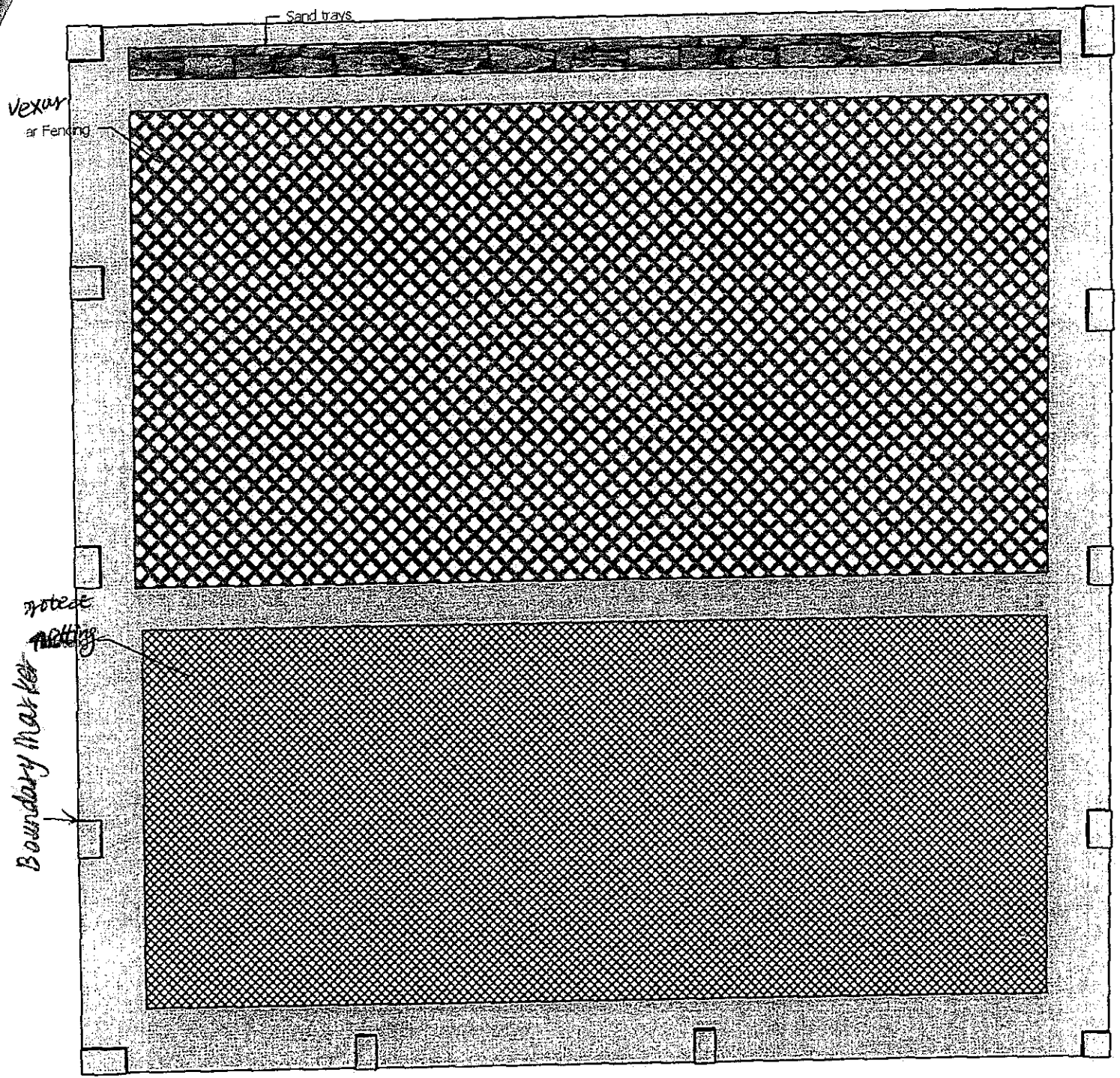


Appendix 4 Side View of Intertidal operational Diagram

Vexar Fence supported by $\frac{1}{2}$ " steel Rebar, 50cm-tall.



Appendix 5 top view of Intertidal Operational Diagram



Foreshore?

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