



OGC File: 9638705

December 9, 2013

Prince Rupert Gas Transmission Ltd.
450-1st Street SW
Calgary AB T2P 5H1

Attention: Surface Land Administrator

Re: Investigative Use Permit: Geotechnical Marine Investigative Program

Date of Issuance: December 9, 2013
Commission File No: 9638705

PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9638705, under section 14 of the *Land Act*, to allow Prince Rupert Gas Transmission Ltd. (the "permit holder") to occupy Crown land within the areas indicated on the attached sketch plans: Worley Parsons Proj. Num. 407044-00021, Pages No. 1 to 10, Revision B, dated August 20, 2013, (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 941835, subject to conditions set out below.

CONDITIONS

1. The permit holder may use and occupy the Site only for the purposes of investigating the site for potential oil and gas activities and related activities as defined in the *Oil and Gas Activities Act*.
2. The total disturbance within the Site must not exceed 0.1 ha.
3. The permit holder will indemnify the Province of British Columbia (the Province) and the Oil and Gas Commission against all losses, damages, costs and liabilities arising out of any breach or non-performance of any condition or agreement set out in this Permit and any personal injury, death or property damage occurring within the Site, or happening by virtue of its occupation of the Site, and the amount of such losses, damages and costs shall be payable to the Province or the Oil and Gas Commission immediately.
4. The permit holder will immediately effect, and keep in force while this Permit is in effect, insurance of an amount not less than \$1,000,000 protecting the Province, the Commission and the permit holder (without any rights of cross-claim or subrogation) against claims for personal injury, death, property damage, or third party or public liability claims arising from any accident or occurrence on the Site.
5. The permit holder will restore the site to the satisfaction of the Oil and Gas Commission following expiration or cancellation of this Permit.

prepared in accordance the Heritage Conservation Act, endorsed by a qualified archaeologist, and approved by the Archaeology Branch.

15. Within 60 days of the completion of the clearing phase of the activity authorized, the permit holder must submit to the Commission a Post-construction plan as an ePASS shape file accurately identifying the locations of the overall disturbance within the Site.
16. The permit holder must abide by and comply with all applicable laws, bylaws, orders, directions, ordinances, and regulations of any government authority having jurisdiction in any way affecting its use or occupation of the Site, including, without limitation, the provisions of the *Land Act* and the provisions of this Permit.
17. This permit does not authorize works located within lands within the Prince Rupert Port Authority.
18. This permit does not authorize works located within that area encompassed by Licence of Occupation 6408040.
19. Activities conducted below the high water mark must occur only within the period from November 30th until February 15th.
20. The permit holder must not conduct any sampling at sites 3, 32-38, 88 and 91 (Nass Bay, estuary and Nass River) from the period of January 15 to August 15 to avoid sensitive eulachon spawning periods.
21. The permit holder must notify the Gitxaala Nation, Nisga'a Nation, Kitsumkalum First Nation, Lax Kw'alaams First Nation, Kitselas First Nation, and Metlakatla Band Council prior to commencement of project.
22. The permit holder must provide any archaeological reports to Metlakatla First Nations.

ADVISORY GUIDANCE

1. The permit holder should be aware that there may be Metlakatla First Nations traditional activities occurring during activities, and all reasonable efforts should be made to minimize interference with those activities.

The attached plan forms an integral part of this authorization.

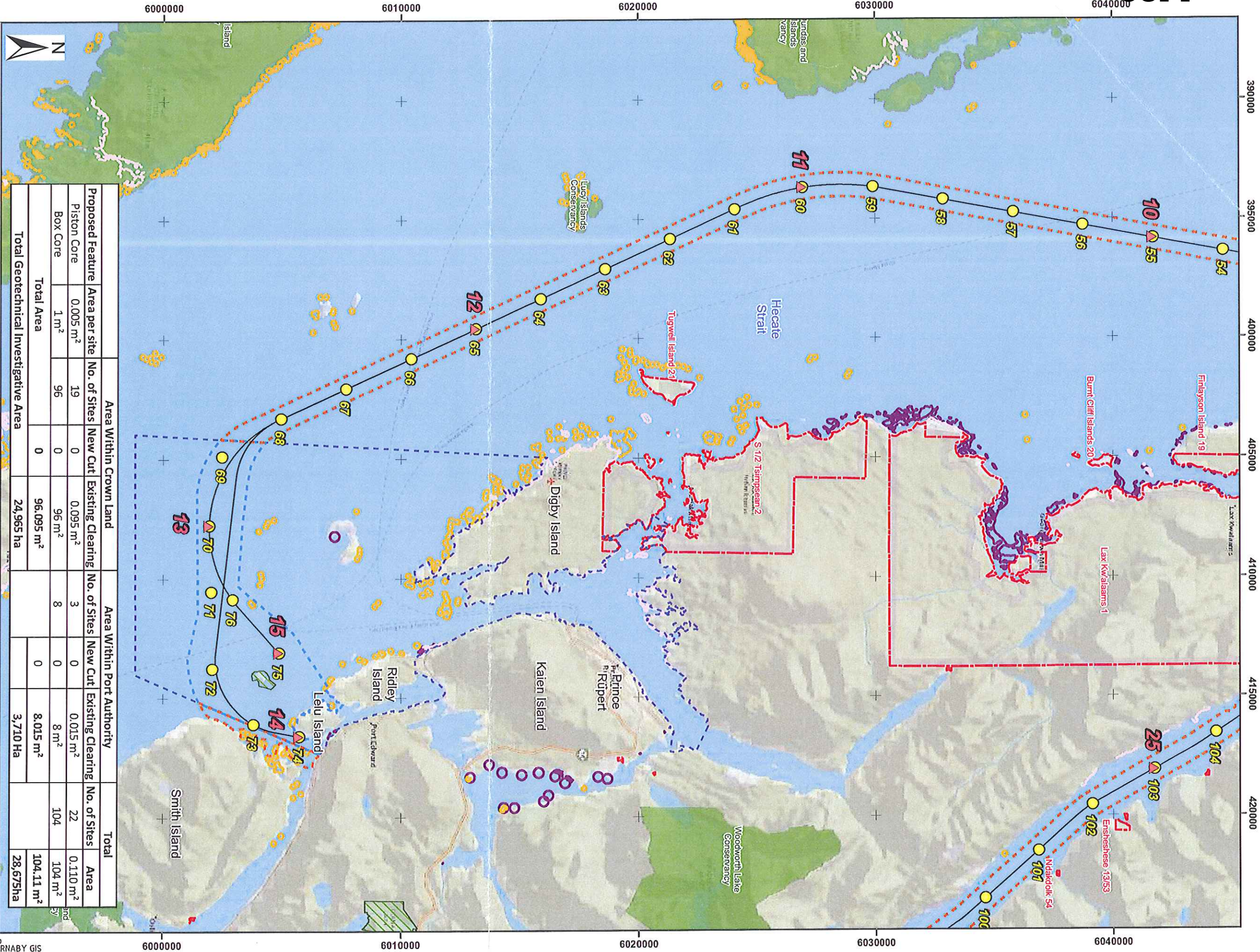


Lori Phillips
Review and Approval Resource Officer

pc: digital copy: Kelly_eaton@transcanada.com; John.McElligott@universalpegasus.com;
ronnie_robinson@transcanada.com

pc: FLNRO

pc: Gitxaala Nation, Nisga'a Nation, Kitsumkalum First Nation, Lax Kw'alaams First Nation, Kitselas First Nation, and Metlakatla Band Council



Proposed Feature	Area per site	Area Within Crown Land				Area Within Port Authority				Total	
		No. of Sites	New Cut	Existing Clearing	No. of Sites	New Cut	Existing Clearing	No. of Sites	Area	Total Area	Total Geotechnical Investigative Area
Piston Core	0.005 m ²	19	0	0.095 m ²	3	0	0.015 m ²	22	0.110 m ²		
Box Core	1 m ²	96	0	96 m ²	8	0	8 m ²	104	104 m ²	104.11 m ²	24,965 ha
Total Area		0		96.095 m ²	0		8.015 m ²	104		104.11 m ²	28,675ha

- Legend**
- Planned Piston Core Location
 - Planned Box Core Location
 - Potential Route
 - Prince Rupert Port Authority Jurisdiction
 - First Nation Reserve
 - Parks and Protected Areas
 - Conservancy
 - Proposed Investigative Area
 - Within Crown Land
 - Within Port Authority
 - Herring Spawn Area
 - Kelp Bed
 - Eelgrass
- Notes:**
Site locations are approximate.
Site coordinates shown in UTM NAD83 Zone 9, and are shown as Easting then Northing.
- Source:**
GeobC, BCMCA
Basemap from ESRI (National Geographic)

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Crown Land Marine Investigative Program

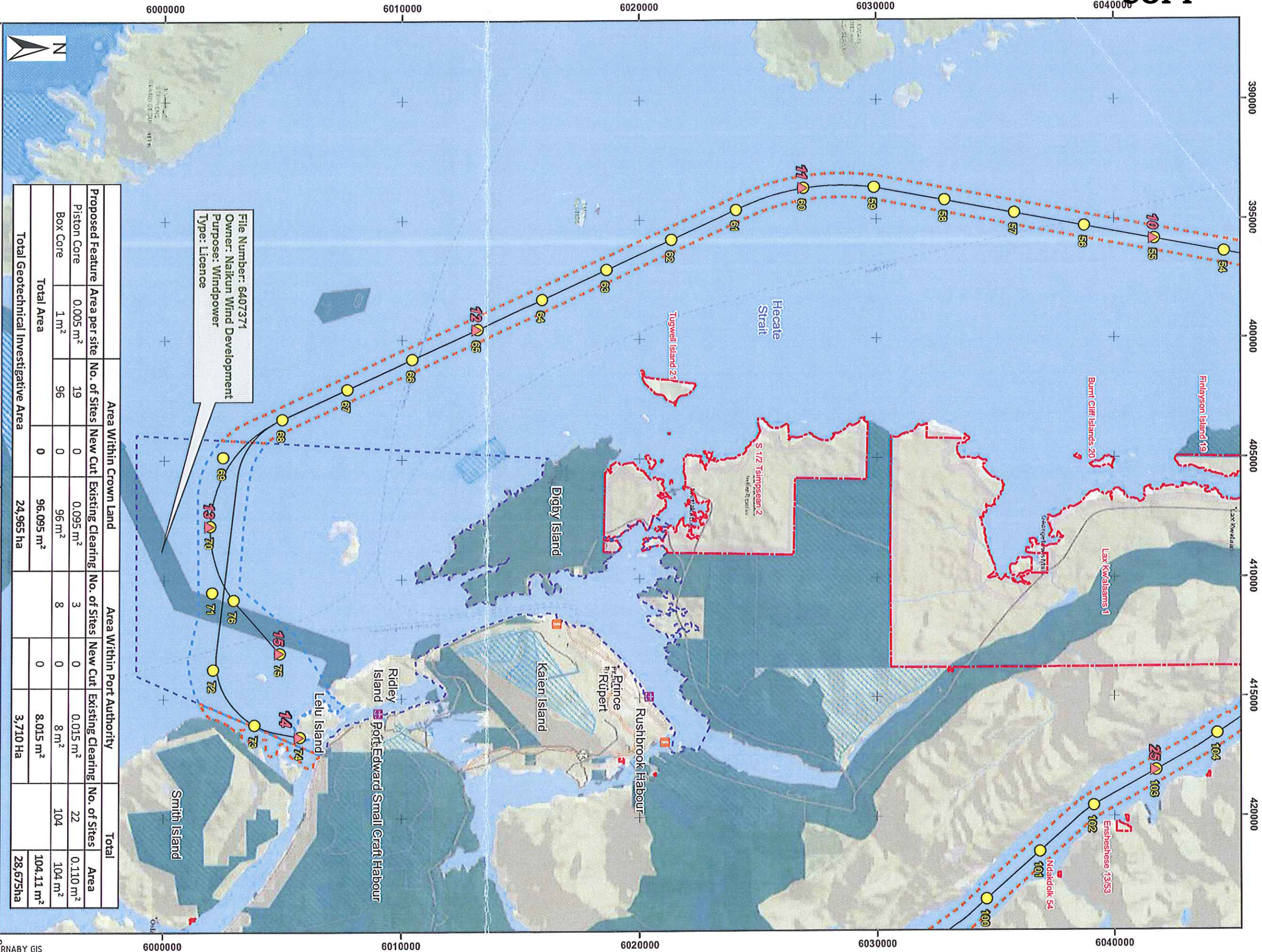
Rev	Description	Date	Initials	0	2	4
B	Revised route and locations	20-08-13	K.R.	Kilometers 1:150,000 UTM NAD83 Zone 9		
A	Initial draft	02-07-13	K.R.			

WorleyParsons
resources & energy

4321 Still Creek Drive
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604-298-1616

Proj. Num: 407044-00021
Sheet: 1 of 10

REV. B



Proposed Feature		Area Within Crown Land		Area Within Port Authority		Total	
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Total Geotechnical Investigative Area		24,965 ha		3,710 Ha		28,675ha	

Legend

- Planned Piston Core Location
- Planned Box Core Location
- Potential Route
- Canadian Coast Guard Staffed Site
- Small Craft Harbour
- Prince Rupert Port Authority Jurisdiction
- First Nation Reserve
- Proposed Investigative Area
- Within Crown Land
- Within Port Authority

Tenure

- Tenure
- Tenure Application

Notes:

- Site locations are approximate.
- Tenure information from BC Gov - Land Ownership & Status.
- For additional information see Crown Land Status Sheet.
- Coordinates shown in UTM NAD83 Zone 9

Source:

- GeBC, BCMCA
- Basemap from ESRI (National Geographic)

BCGS/NTS: 103J, 103Q, 103P

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Rev	Description	Date	Initials	0	2	4
A	Revised route and locations	20-08-13	K.R.	Kilometers		
B	Initial draft	02-07-13	K.R.	1:150,000		

UTM NAD83 Zone 9

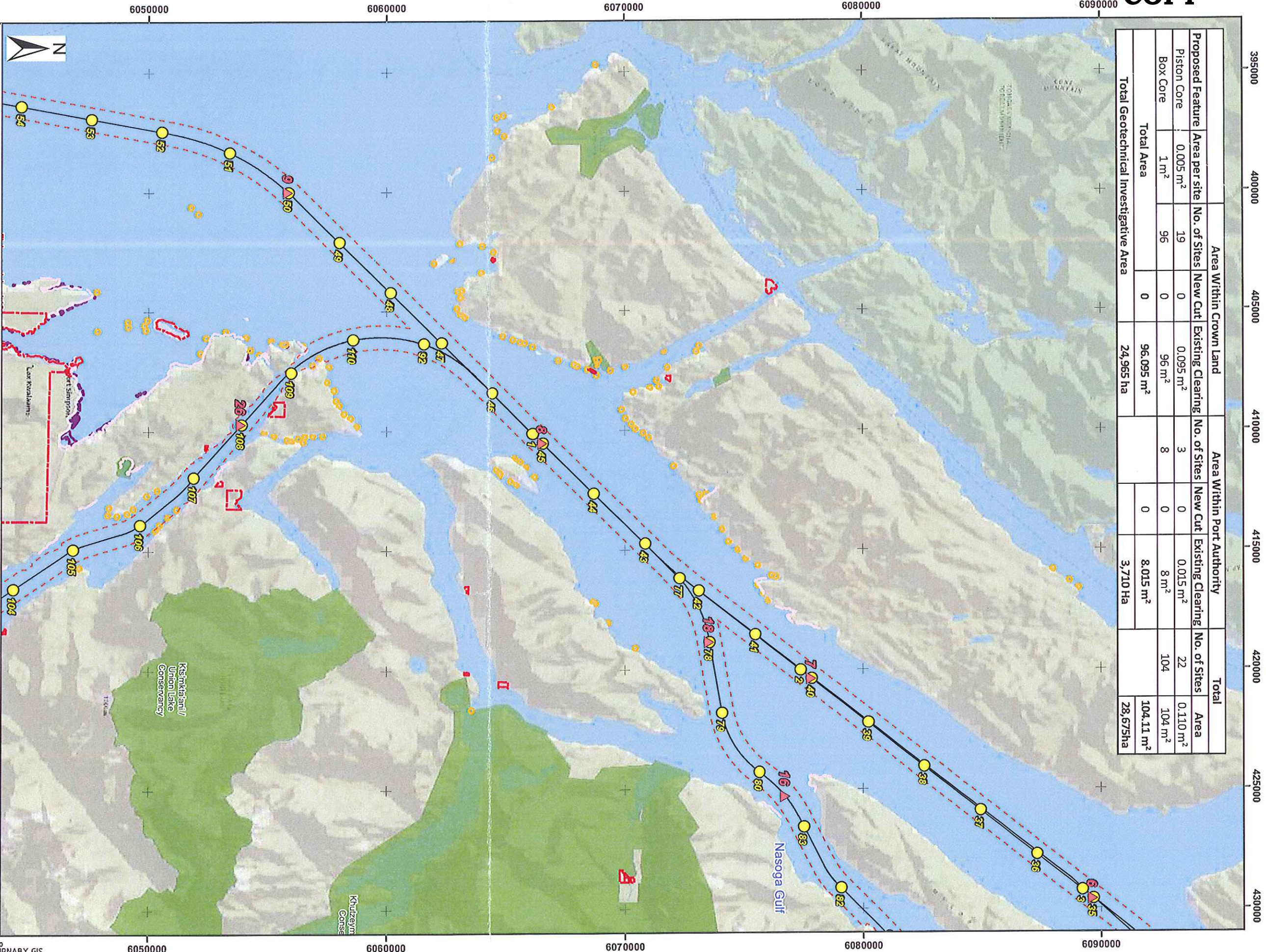
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Proj. Num: 407044-00021
Sheet: 2 of 10

REV. B

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B	Revised route and locations	20-08-13	K.R.	Kilometers 1:150,000 UTM NAD83 Zone 9		
A	Initial draft	02-07-13	K.R.			

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3 of 10

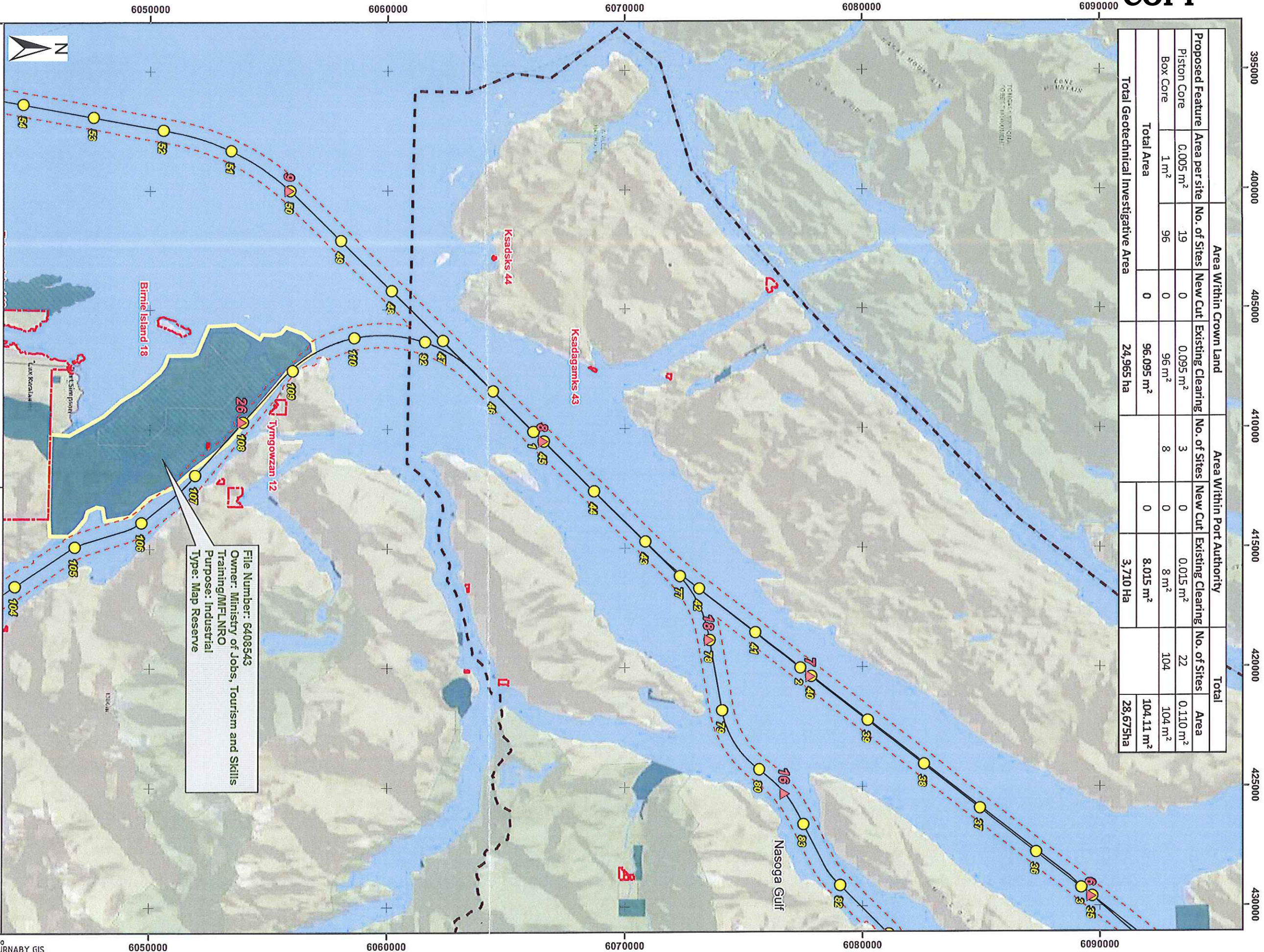
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9638705

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- Legend
- Planned Piston Core Location
 - Planned Box Core Location
 - Potential Route
 - Proposed Investigative Area
 - Regional District of Kitimat-Stikine
 - First Nation Reserve
 - Tenure
 - Tenure Application
 - Map Reserve (Industrial Zoning)

Notes:

Site locations are approximate.

Tenure information from BCGov - Land Ownership & Status.

For additional information see Crown Land Status Sheet.

Coordinates shown in UTM NAD83 Zone 9

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B	Revised route and locations	20-08-13	K.R.			
A	Initial draft	02-07-13	K.R.			

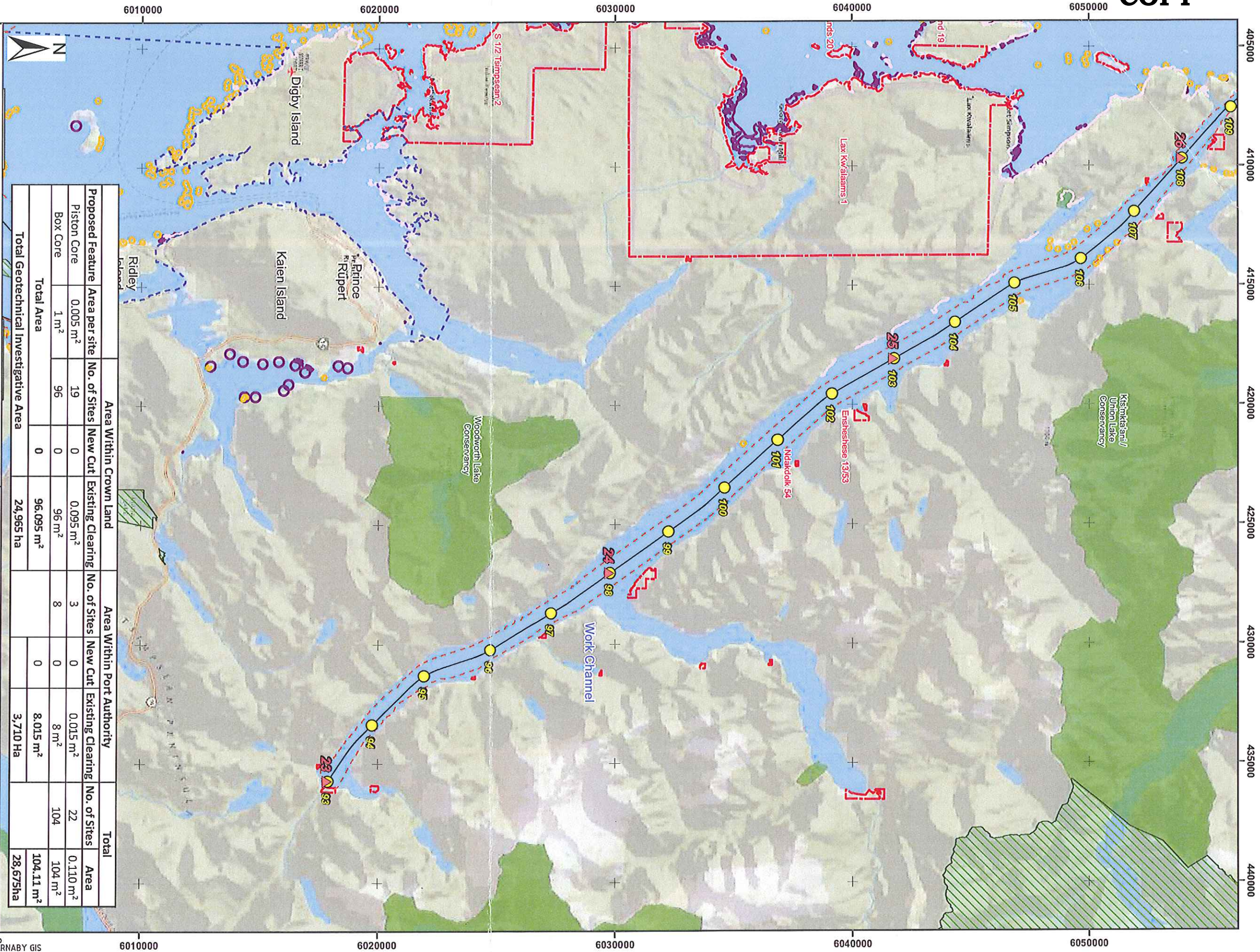
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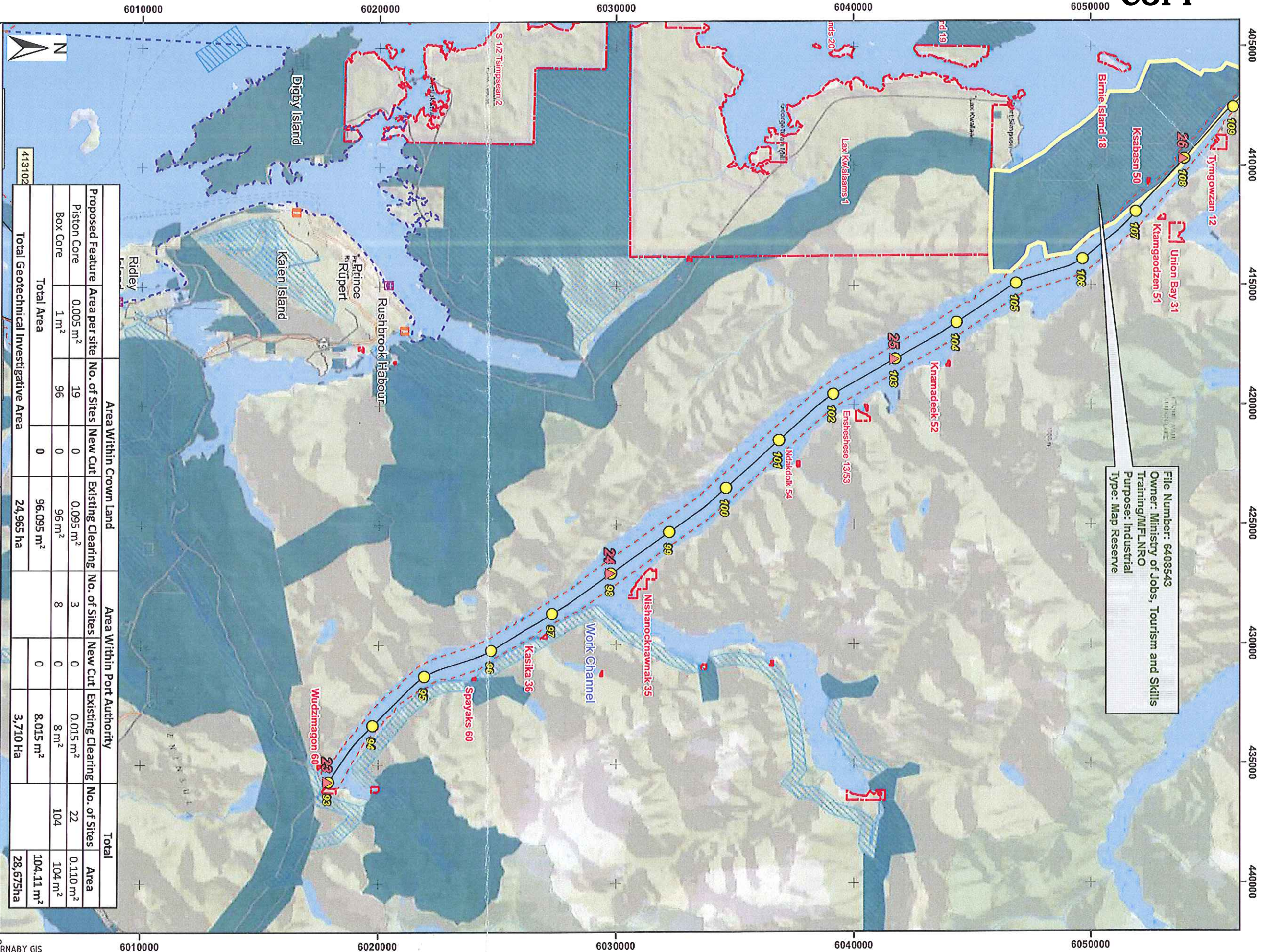
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Proj. Num: 407044-00021
Sheet: 4 of 10

REV. B

File Number: 6408543
Owner: Ministry of Jobs, Tourism and Skills Training/MFLNRO
Purpose: Industrial
Type: Map Reserve





File Number: 6408543
Owner: Ministry of Jobs, Tourism and Skills
Training/MFLNRO
Purpose: Industrial
Type: Map Reserve

Area Within Crown Land				Area Within Port Authority			Total		
Proposed Feature	Area per site	No. of Sites	New Cut	Existing Clearing	No. of Sites	New Cut	Existing Clearing	No. of Sites	Area
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Legend

- Planned Piston Core Location
- Planned Box Core Location
- Potential Route
- Canadian Coast Guard Staffed Site
- Small Craft Harbour
- Proposed Investigative Area
- Prince Rupert Port Authority Jurisdiction
- First Nation Reserve

- Tenure
- Tenure Application
- Map Reserve (Industrial Zoning)

Notes:
Site locations are approximate.

Tenure information from
BCGov - Land Ownership & Status.

For additional information see
Crown Land Status Sheet.

Coordinates shown in UTM NAD83 Zone 9

Source:
BCMCA
Geopap from ESRI (National Geographic)
BCGS/NTS: 103J, 103Q, 103P

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Crown Land Marine Investigative Program

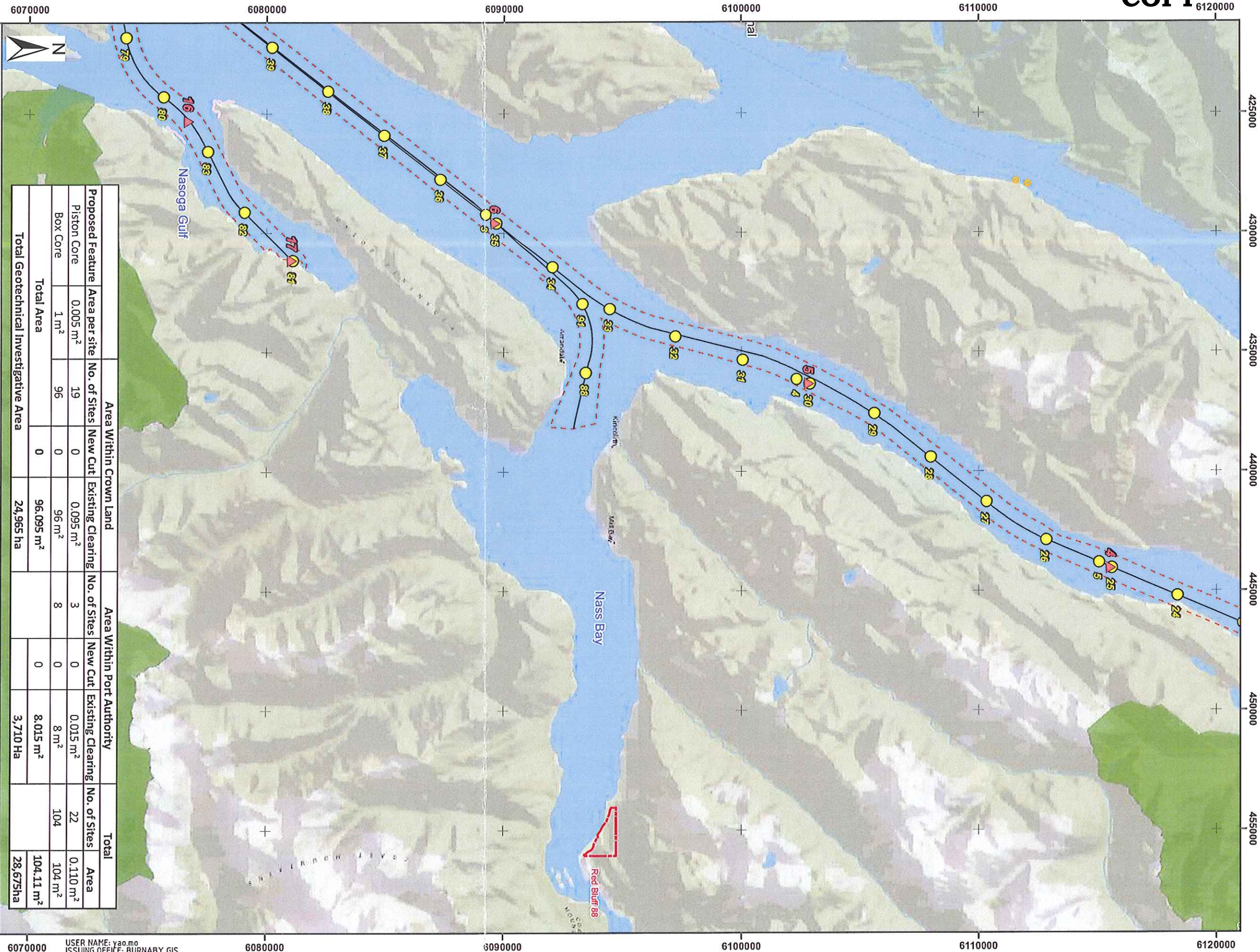
Rev	Description	Date	Initials	0	2	4
A	Revised route and locations	20-08-13	K.R.			
B	Initial draft	02-07-13	K.R.			

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REV. B



Proposed Feature		Area per site		Area Within Crown Land		Area Within Port Authority		Total	
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Rev	Description	Date	Initials	0	2	4	Kilometers	1:150,000	UTM NAD83 Zone 9	REV.
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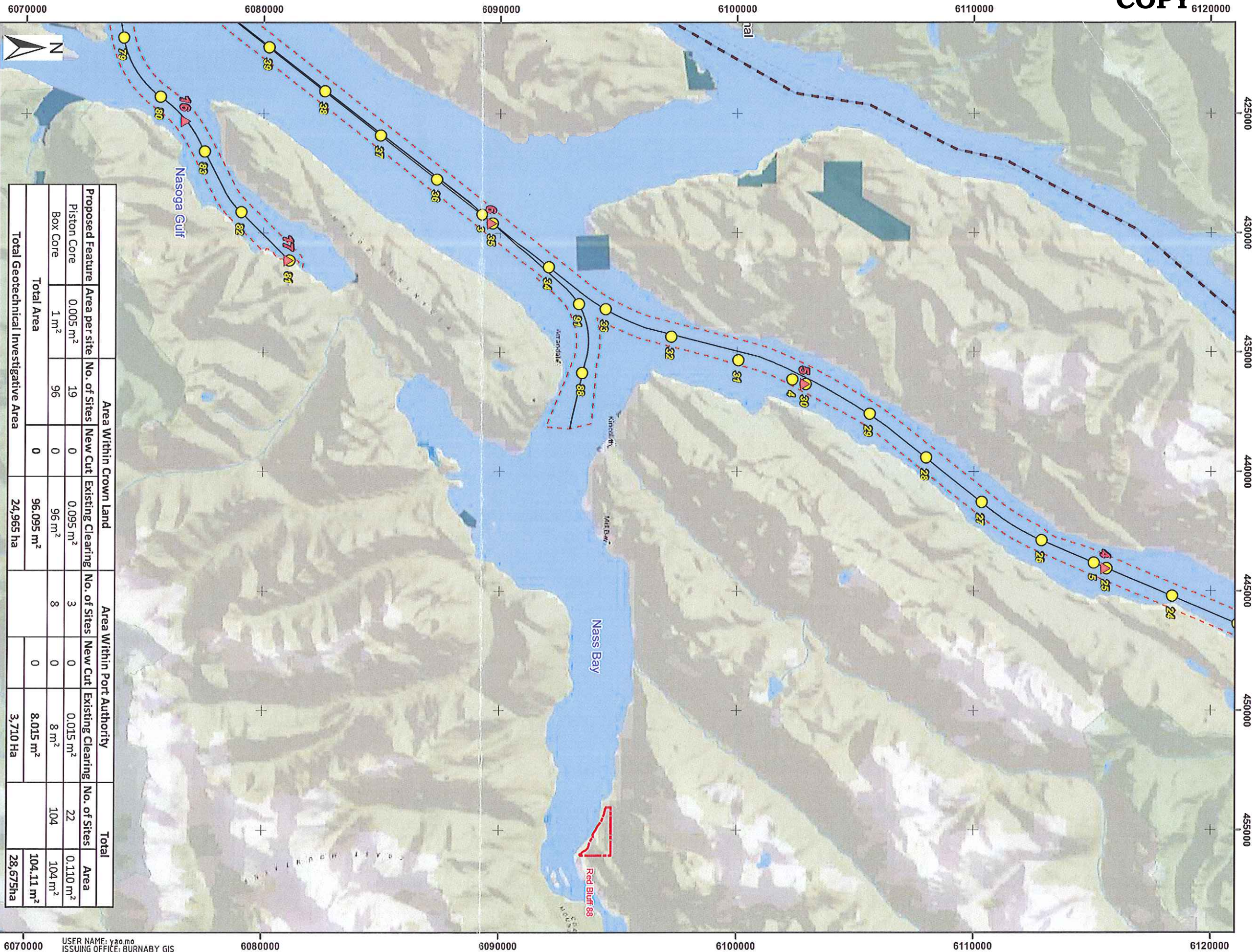
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Proj. Num: 407044-00021
Sheet: 7 of 10

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407044-00021
7 of 10



	Area Within Crown Land				Area Within Port Authority			Total	
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Legend

-  Planned Piston Core Location
 Planned Box Core Location
 Potential Route
 Regional District of Klamath-Stikine
 Proposed Investigative Area
 First Nation Reserve
 Tenure
 Tenure Application

Notes:
Site locations are approximate.

Tenure information from
BCGov - Land Ownership & Status.

For additional information see
Crown Land Status Sheet.

Coordinates shown in UTM NAD83 Zone 9

Source:
GeobC, BCMCA
Basemap from ESRI (National Geographic)

BC, VTS: 103J, 103O, 103P

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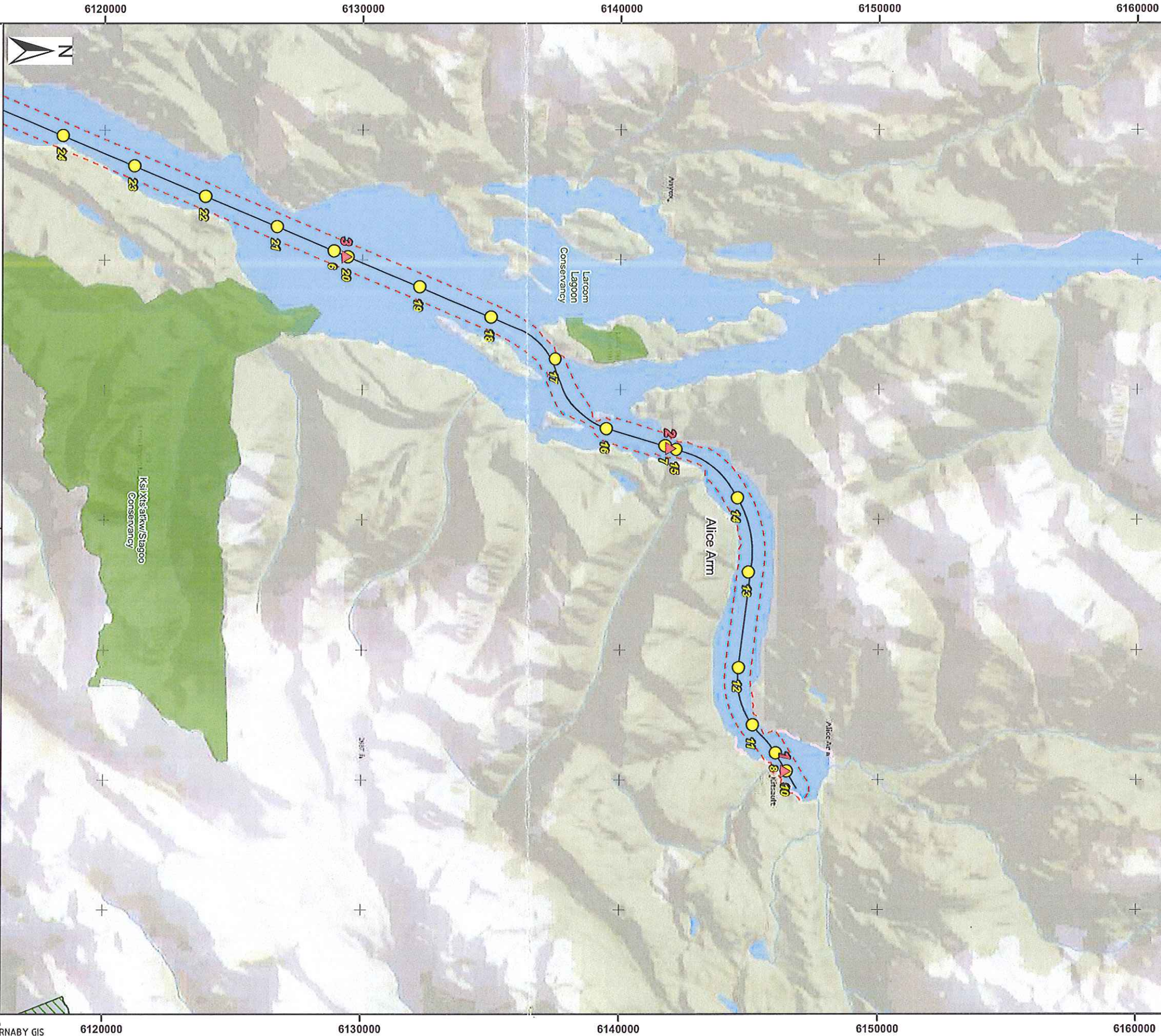
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Proj. Num: 4.0704.-00021
Sheet: 8 of 10

B

		Area Within Crown Land			Area Within Port Authority			Total	
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- Legend**
- Planned Piston Core Location

Planned Box Core Location

Potential Route

Herring Spawn Area

Proposed Investigative Area

Kelp Bed

Eelgrass

Parks and Protected Areas

Conservancy

First Nation Reserve
- Notes:**
Site locations are approximate.
Site coordinates shown in UTM NAD83 Zone 9, and are shown as Easting then Northing.

Source:
GeoBC, BCMCA
Basemap from ESRI (National Geographic)

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Crown Land Marine Investigative Program

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Rev	Description	Date	Initials
A	Revised route and locations	20-08-13	K.R.
B	Initial draft	02-07-13	K.R.

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604-298-1616

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Proj. Num: 10043627
Sheet: 9 of 10

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9638705

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Owner: Ministry of Agriculture and Lands
Purpose: Log Handling/Storage
Type: Reserve Notation

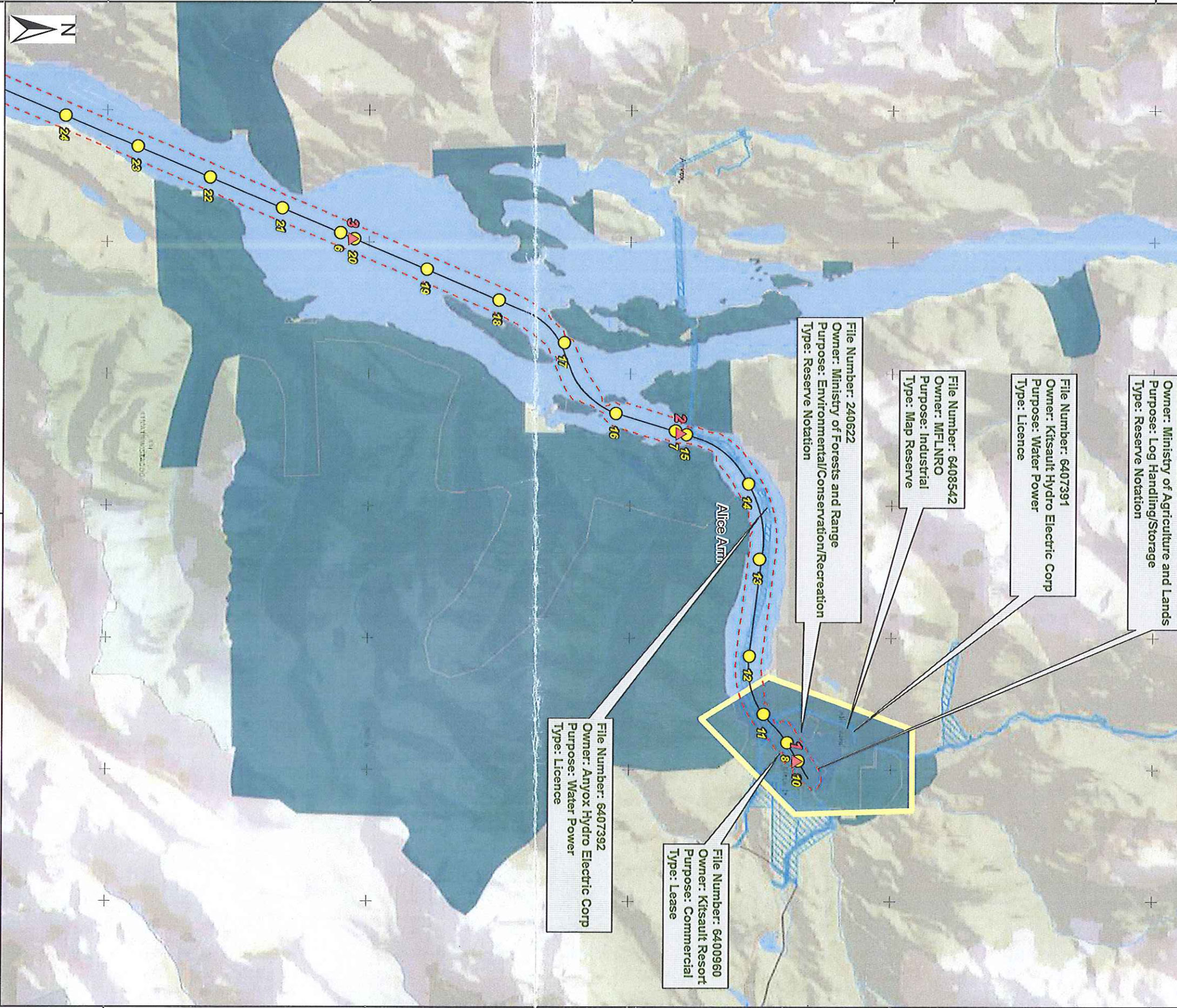
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Owner: Kitsault Hydro Electric Corp
Purpose: Water Power
Type: Licence

File Number: 6408542
Owner: MFLNRO
Purpose: Industrial
Type: Map Reserve

File Number: 240622
Owner: Ministry of Forests and Range
Purpose: Environmental/Conservation/Recreation
Type: Reserve Notation

File Number: 6400960
Owner: Kitsault Resort
Purpose: Commercial
Type: Lease

File Number: 6407392
Owner: Anyox Hydro Electric Corp
Purpose: Water Power
Type: Licence



Legend

- Planned Piston Core Location
- Planned Box Core Location
- Potential Route
- Proposed Investigative Area
- First Nation Reserve
- Tenure
- Tenure Application
- Map Reserve (Industrial Zoning)

Notes:
Site locations are approximate.

Tenure information from
BCGov - Land Ownership & Status.

For additional information see
Crown Land Status Sheet.

Coordinates shown in UTM NAD83 Zone 9

Source:
GeoBC, BCMCA
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UTM NAD83 Zone 9



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