



OGC File: 9639937

June 27, 2014

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

Attention: Surface Land Administrator

Re: Investigative Permit- Section 14 over Crown Land, Range 5 Coast District
within Units 55, 56, 65 and 66, Block H, 103-J-16, Units 99 and 100, Block E, 103-I-13, Unit
7, 8, 9, 10, 16 and 17, Block L, 103-I-13, Unit 50, Block K, 103-I-13 and Units 23, 24, 25, 31,
32, 33 and 41, Block L, 103-I-13.

Date of Issuance: June 27, 2014

Commission File No: 9639937

Applicant File No: 130316 (Nass Bay / Nasoga Gulf / Iceberg Bay)

PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9639937, under section 14 of the Land Act, to allow Prince Rupert Gas Transmission Ltd. (the "permit holder") to occupy Crown land within the areas described as borehole and geophysical trail in the attached sketch plan Document No:

Nasoga Gulf Shore Transition Proj. Num: 408024-00410, Sheet 1 and 2 of 2, Revision 0

Iceberg Bay Shore Transition Proj. Num: 408024-00410, Sheet 1 and 2 of 2, Revision 0

Nass Bay Shore Transition Proj. Num: 408024-00410, Sheet 1 and 2 of 2, Revision 0

dated March 20, 2014 as submitted to the Commission in the permit application dated March 28, 2014 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 944057, 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 investigative area must not exceed:
 - a. Boreholes: 0.3721875 ha.
 - b. Geophysical Trail: 0.071 ha.

3. The permit holder will indemnify the Province of British Columbia (the Province) and the 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 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 Commission following expiration or cancellation of this Permit.
6. The authorization to occupy and use Crown land does not entitle the permit holder to exclusive possession of the Site. The permit holder will not interfere with any person found on the Site who has a public right of access over the Site or is using the Site pursuant to a prior or subsequent Land Act disposition.
7. The rights granted by this permit are subject to all subsisting grants to or rights of any person made or acquired under the Coal Act, Forest Act, Mineral Tenure Act, Petroleum and Natural Gas Act, Range Act, Water Act or Wildlife Act, or any extension or renewal of the same, any prior dispositions made under the Land Act, and the exceptions and reservations of rights and interests under Section 50 of the Land Act.
8. The permit holder will acknowledge and agree that any interference with rights granted under this permit by virtue of the exercise or operation of the rights or interests set out in the Sections (6) or (7) above shall not constitute a breach of the Province's or the Commission's obligations under this permit and the permit holder will release and discharge the Province and/or the Commission from any claim for loss or damage arising directly or indirectly out of any such interference. The permit holder will also agree to pay all costs and expenses that arise out of the permit holder's interference with the rights or interests set out in Sections (6) or (7) and that the permit holder will not commence or maintain proceedings under Section 65 of the Land Act with respect to interference with the permit holder's rights arising out of exercise or operation of the rights set out in Sections (6) or (7).
9. The permit holder must pay to the Province, when due, the Fees to the address and in accordance with the instructions set out in the attached covering letter.
10. The permit holder must not assign or sub-tenure this Permit. The permit holder must not transfer this permit without the Commission's written consent, which consent may be granted or withheld at the Commission's sole discretion.
11. This permit expires two years from the date of issuance.
12. The permit holder must notify the Commission prior to commencing activities under this permit. Notification may be sent to C&E@bcogc.ca.
13. An Archaeological Impact Assessment (AIA) is required for the proposed development area prior to any development activities taking place.

If an archaeological site is recorded as a result of this assessment, a report must be submitted immediately to the Archaeology Branch of the Ministry of Forests, Lands and

Natural Resource Operations (Archaeology Branch) and the Commission and all mitigation measures must be approved by the Archaeology Branch prior to the start of construction.

If no archaeological site is recorded during this assessment, an AIA report is still required and must be submitted to the Archaeology Branch and the Commission as soon as possible as per the Archaeology Process Guidelines.

If artifacts, materials or things protected under section 13(2) of the Heritage Conservation Act are identified the permit holder must, unless the permit holder holds a permit under section 12 of the Heritage Conservation Act in respect of that artifact, feature, material or thing:

- a. immediately cease all work in the vicinity of the artifacts, features, materials or things;
 - b. immediately notify the Archaeology Branch and Commission; and
 - c. refrain from resuming work in the vicinity of the artifacts, features, materials or things except in accordance with an appropriate mitigation plan that has been prepared in accordance with the Heritage Conservation Act, endorsed by a qualified archaeologist, and approved by the Archaeology Branch.
14. 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.
15. 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.

CUTTING PERMIT AUTHORIZATION

Pursuant to section 47.4 of the Forest Act, the Commission hereby issues Cutting Permit No. 3, under Master License to Cut number M02399, North Coast Forest District, to cut and remove timber from the areas of Crown land within the area within the Site subject to the following conditions:

1. This Cutting Permit expires 2 years from the date of issuance of the Investigative Permit or the revised date should this permit be extended.
1. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
2. All harvested Crown timber must be marked with Timber Mark Number 631.
3. The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
4. Stumpage under this cutting permit is required to be paid to the Crown and will be determined with the Ministry of Forests Interior Appraisal Manual.
5. Timber that is stored in decks or piles must be marked with the correct timber mark before transportation, or at the end of every shift. The marking must be applied to one end of at least 10% of the timber pieces in each deck or pile using a hammer indentation or paint. Marking must be kept concurrent with decking.
6. In accordance with the Master Licence to Cut referenced above, "Within 60 days of completing operations on a cutting permit, the Licensee shall submit to the Commission a map showing all disturbances that have occurred pursuant to that Cutting Permit, at a scale of 1:20,000 or 1:50,000."
7. The utilization of merchantable timber is not mandatory for this permit.

8. Prior to harvesting, any clearing authorized by this Cutting Permit must be clearly defined on the ground by ribboning or blazing.
9. This permit authorizes a maximum total new cut area within the investigative area: This permit authorizes a maximum total new cut area within the investigative area of:
 - a. Borehole: 0.32 ha
 - b. Geophysical Trail: 0.071 ha

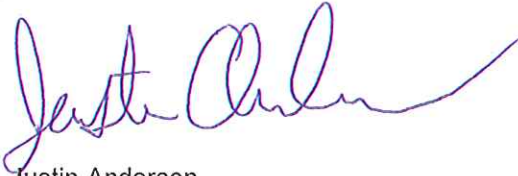
ADDITIONAL CONDITIONS

1. The permit holder must notify the Metlakatla Band Council office prior to commencement of activities.
2. The permit holder must notify the Kitselas First Nation office prior to commencement of activities.
3. The permit holder must notify the Kitsumkalum First Nation office prior to commencement of activities.
4. The permit holder must notify the Lax-Kw'alaams First Nation office prior to commencement of activities.
5. The permit holder must notify the Nisga'a Lisims Government prior to commencement of activities.

ADVISORY GUIDANCE

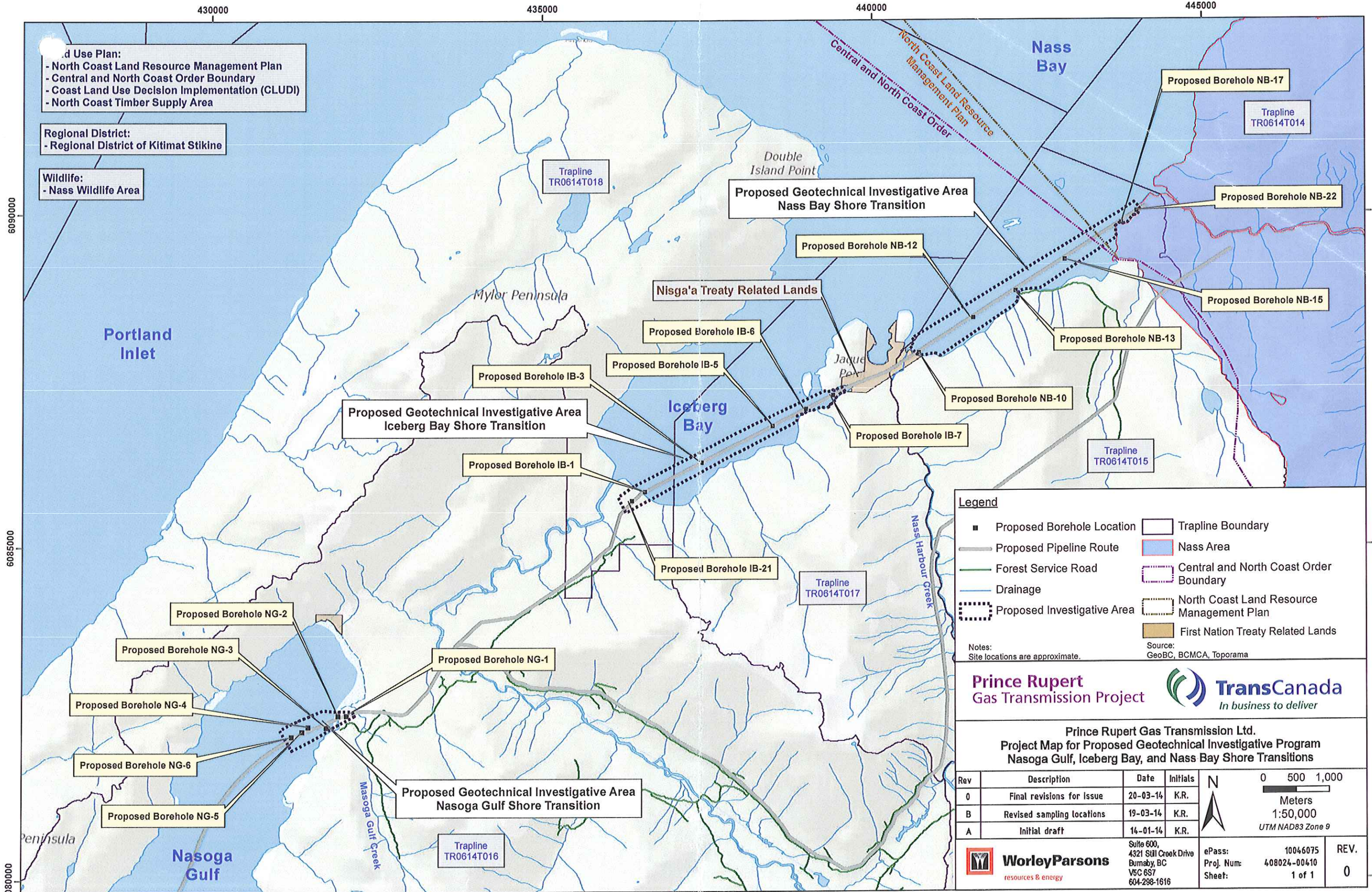
1. Metlakatla First Nation requests that upon discovery of archeological sites protected under the Heritage Conservation Act, the proponent contact Metlakatla First Nation prior to resuming work.
2. Metlakatla First Nation requests that upon discovery of Culturally Modified Trees not otherwise protected under the Heritage Conservation Act, the proponent follow Metlakatla's Culturally Modified Tree policy and contact Metlakatla First Nation prior to resuming work.
3. Metlakatla First Nation requests that the permit holder provide opportunities for Metlakatla First Nation representatives to participate in Archaeological Impact Assessments and drilling/geophysical field work.
4. Metlakatla First Nation requests the permit holder share any Project Reviews completed by Fisheries and Oceans Canada with Metlakatla Band Council upon receipt of those documents.
5. In the event that the permit holder and their contractors encounter Metlakatla First Nation members navigating the permit area for traditional activities, the permit holder will work to minimize and avoid impacts to traditional activities, for a reasonable period of time.

The attached plan(s) form an integral part of this authorization.



Justin Anderson
Natural Resource Officer

pc: Kitselas First Nation
pc: Kitsumkalum First Nation
pc: Lax-Kw'alaams First Nation
pc: Metlakatla Band Council
pc: Nisga'a Lisims Government
pc: Roy Northern Land and Environmental



Land Use Plan:
- North Coast Land Resource Management Plan
- Central and North Coast Order Boundary
- Coast Land Use Decision Implementation (CLUDI)
- North Coast Timber Supply Area

Regional District:
- Regional District of Kitimat Stikine

Wildlife:
- Nass Wildlife Area

Legend

- Proposed Borehole Location
- Proposed Pipeline Route
- Forest Service Road
- Drainage
- Proposed Investigative Area
- Trapline Boundary
- Nass Area
- Central and North Coast Order Boundary
- North Coast Land Resource Management Plan
- First Nation Treaty Related Lands

Notes:
Site locations are approximate.

Source:
GeoBC, BCMCA, Toporama

Prince Rupert Gas Transmission Project

TransCanada
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Prince Rupert Gas Transmission Ltd.
Project Map for Proposed Geotechnical Investigative Program
Nasoga Gulf, Iceberg Bay, and Nass Bay Shore Transitions

Rev	Description	Date	Initials
0	Final revisions for issue	20-03-14	K.R.
B	Revised sampling locations	19-03-14	K.R.
A	Initial draft	14-01-14	K.R.

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resources & energy

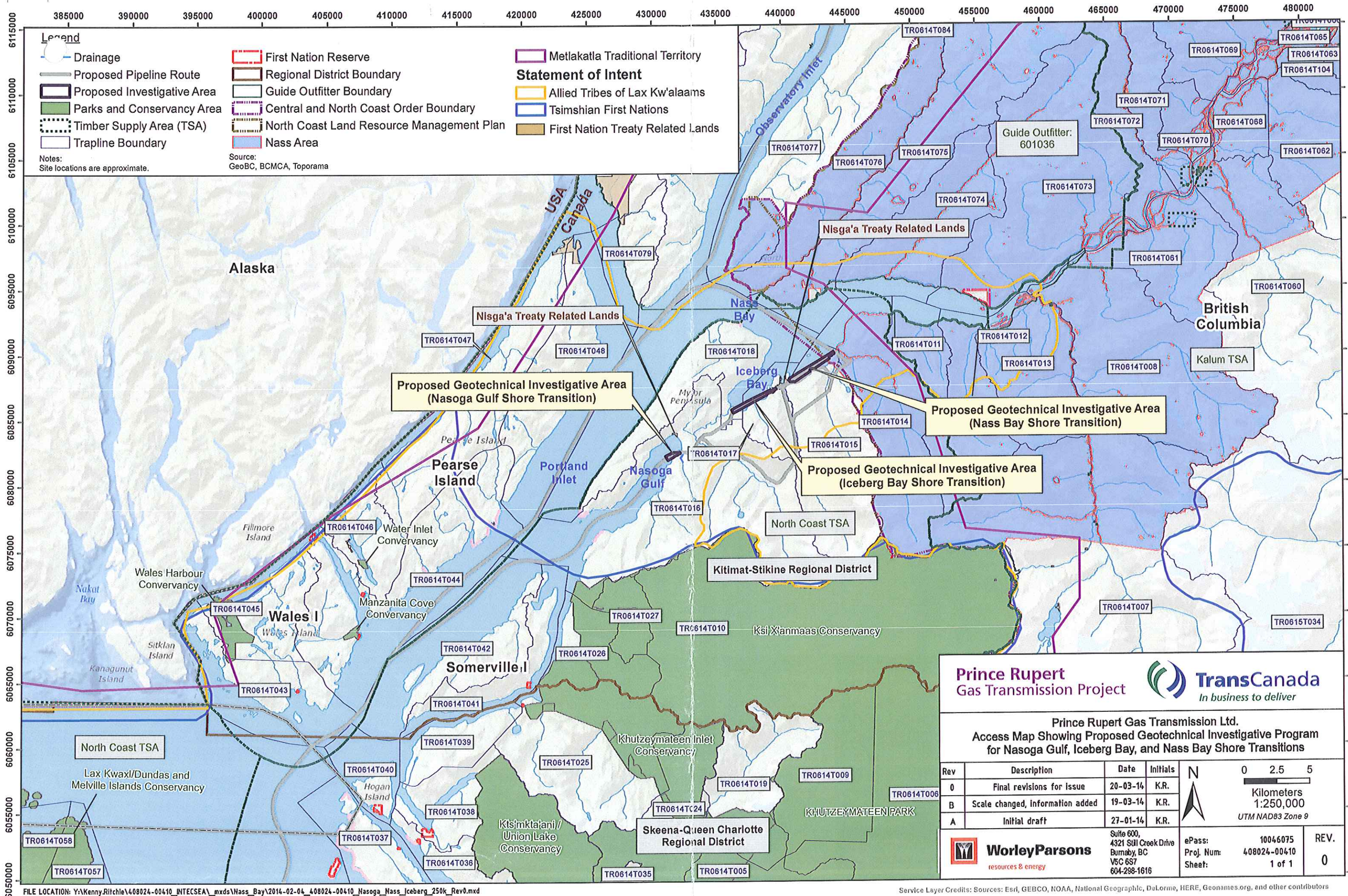
Suite 600,
4321 Still Creek Drive
Burnaby, BC
V5C 6S7
604-298-1616

ePass: 10046075
Proj. Num: 408024-00410
Sheet: 1 of 1

REV. 0

Scale: 0 500 1,000 Meters
1:50,000
UTM NAD83 Zone 9

North Arrow



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Prince Rupert Gas Transmission Ltd.
Access Map Showing Proposed Geotechnical Investigative Program
for Nasoga Gulf, Iceberg Bay, and Nass Bay Shore Transitions

Rev	Description	Date	Initials
0	Final revisions for issue	20-03-14	K.R.
B	Scale changed, Information added	19-03-14	K.R.
A	Initial draft	27-01-14	K.R.



0 2.5 5
Kilometers
1:250,000
UTM NAD83 Zone 9

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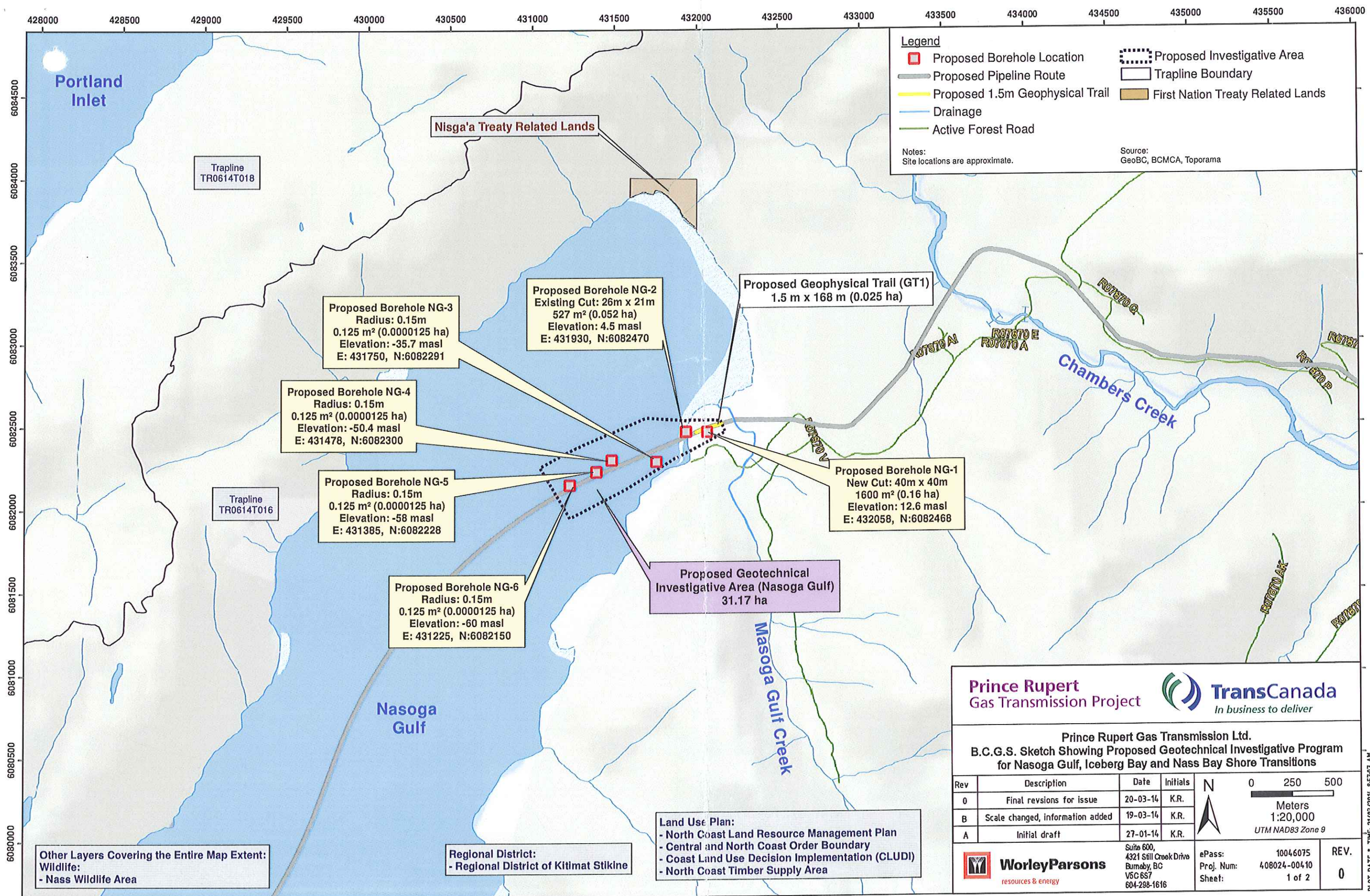
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4321 Sili Creek Drive
Burnaby, BC
V5C 6S7
604-298-1616

ePass:
Proj. Num:
Sheet:

10046075
408024-00410
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Legend

- Proposed Borehole Location
- Proposed Pipeline Route
- Proposed 1.5m Geophysical Trail
- Drainage
- Active Forest Road
- Proposed Investigative Area
- Trapline Boundary
- First Nation Treaty Related Lands

Notes:
Site locations are approximate.

Source:
GeoBC, BCMCA, Toporama

Proposed Borehole NG-3
Radius: 0.15m
0.125 m² (0.0000125 ha)
Elevation: -35.7 masl
E: 431750, N:6082291

Proposed Borehole NG-2
Existing Cut: 26m x 21m
527 m² (0.052 ha)
Elevation: 4.5 masl
E: 431930, N:6082470

Proposed Geophysical Trail (GT1)
1.5 m x 168 m (0.025 ha)

Proposed Borehole NG-4
Radius: 0.15m
0.125 m² (0.0000125 ha)
Elevation: -50.4 masl
E: 431478, N:6082300

Proposed Borehole NG-5
Radius: 0.15m
0.125 m² (0.0000125 ha)
Elevation: -58 masl
E: 431385, N:6082228

Proposed Borehole NG-1
New Cut: 40m x 40m
1600 m² (0.16 ha)
Elevation: 12.6 masl
E: 432058, N:6082468

Proposed Borehole NG-6
Radius: 0.15m
0.125 m² (0.0000125 ha)
Elevation: -60 masl
E: 431225, N:6082150

Proposed Geotechnical
Investigative Area (Nasoga Gulf)
31.17 ha

Other Layers Covering the Entire Map Extent:
Wildlife:
- Nass Wildlife Area

Regional District:
- Regional District of Kitimat Stikine

Land Use Plan:
- North Coast Land Resource Management Plan
- Central and North Coast Order Boundary
- Coast Land Use Decision Implementation (CLUDI)
- North Coast Timber Supply Area

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Prince Rupert Gas Transmission Ltd.
B.C.G.S. Sketch Showing Proposed Geotechnical Investigative Program
for Nasoga Gulf, Iceberg Bay and Nass Bay Shore Transitions

Rev	Description	Date	Initials
0	Final revisions for issue	20-03-14	K.R.
B	Scale changed, information added	19-03-14	K.R.
A	Initial draft	27-01-14	K.R.

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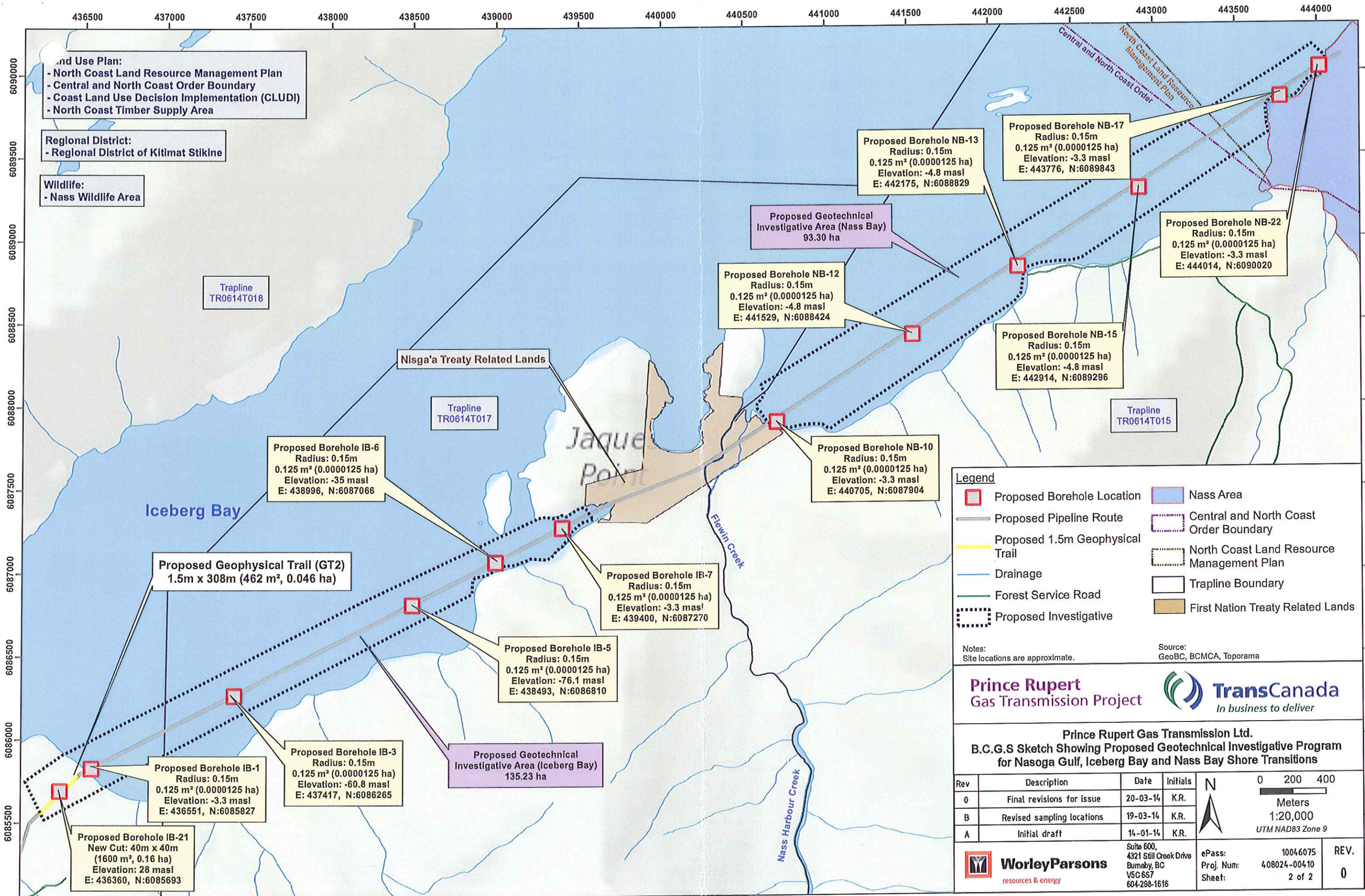
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UTM NAD83 Zone 9

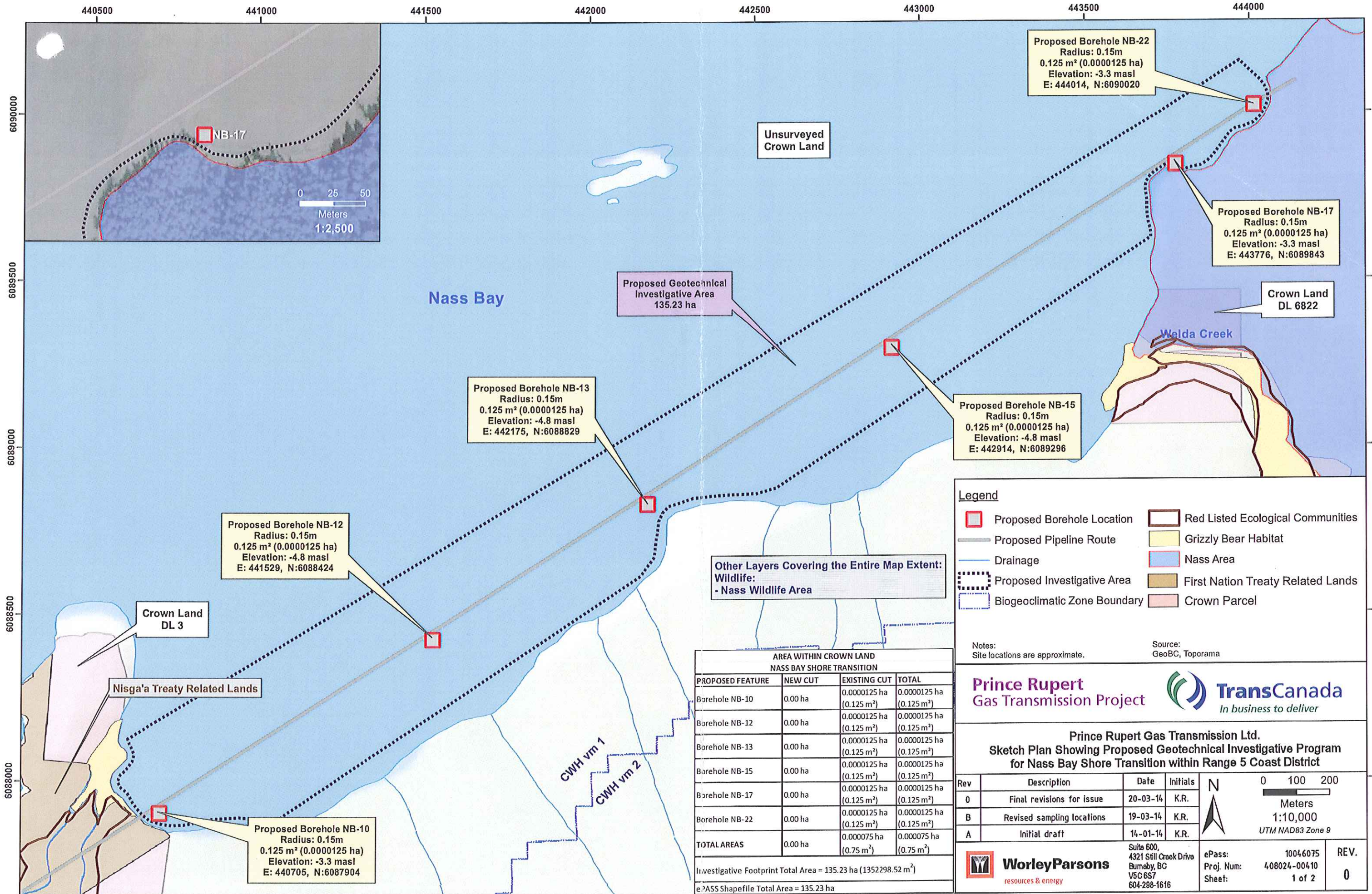
North Arrow

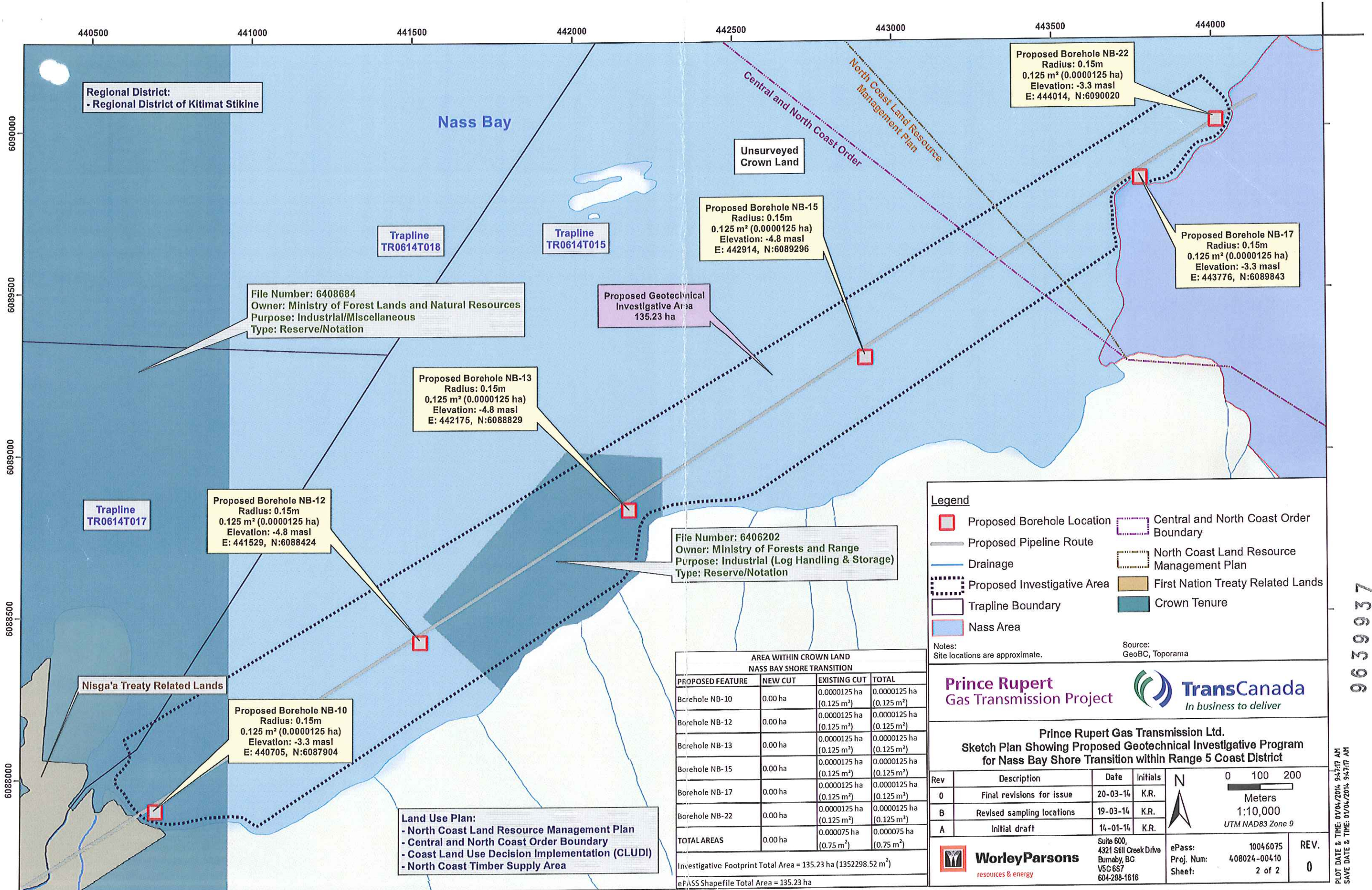
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Sheet: 1 of 2

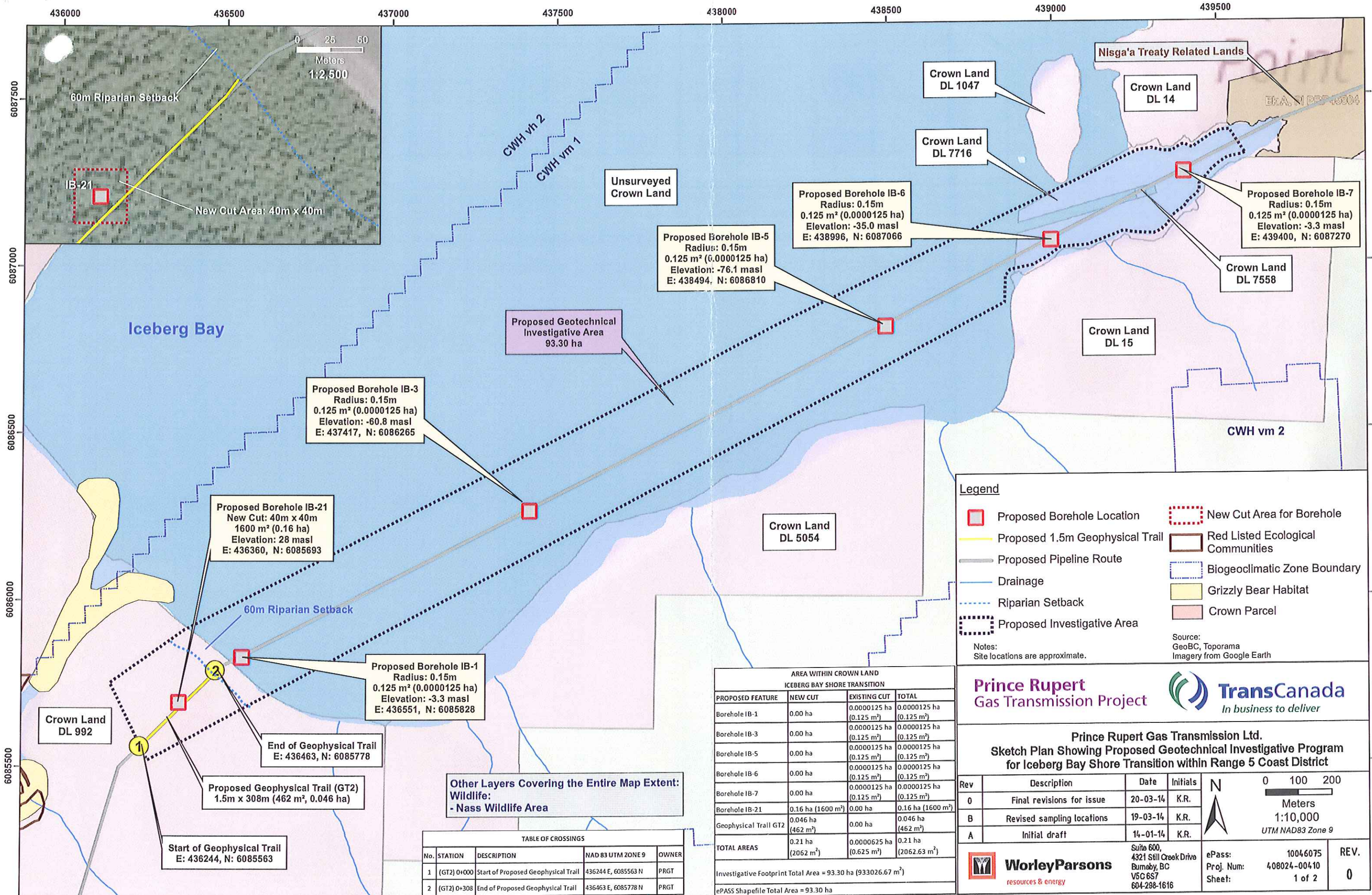
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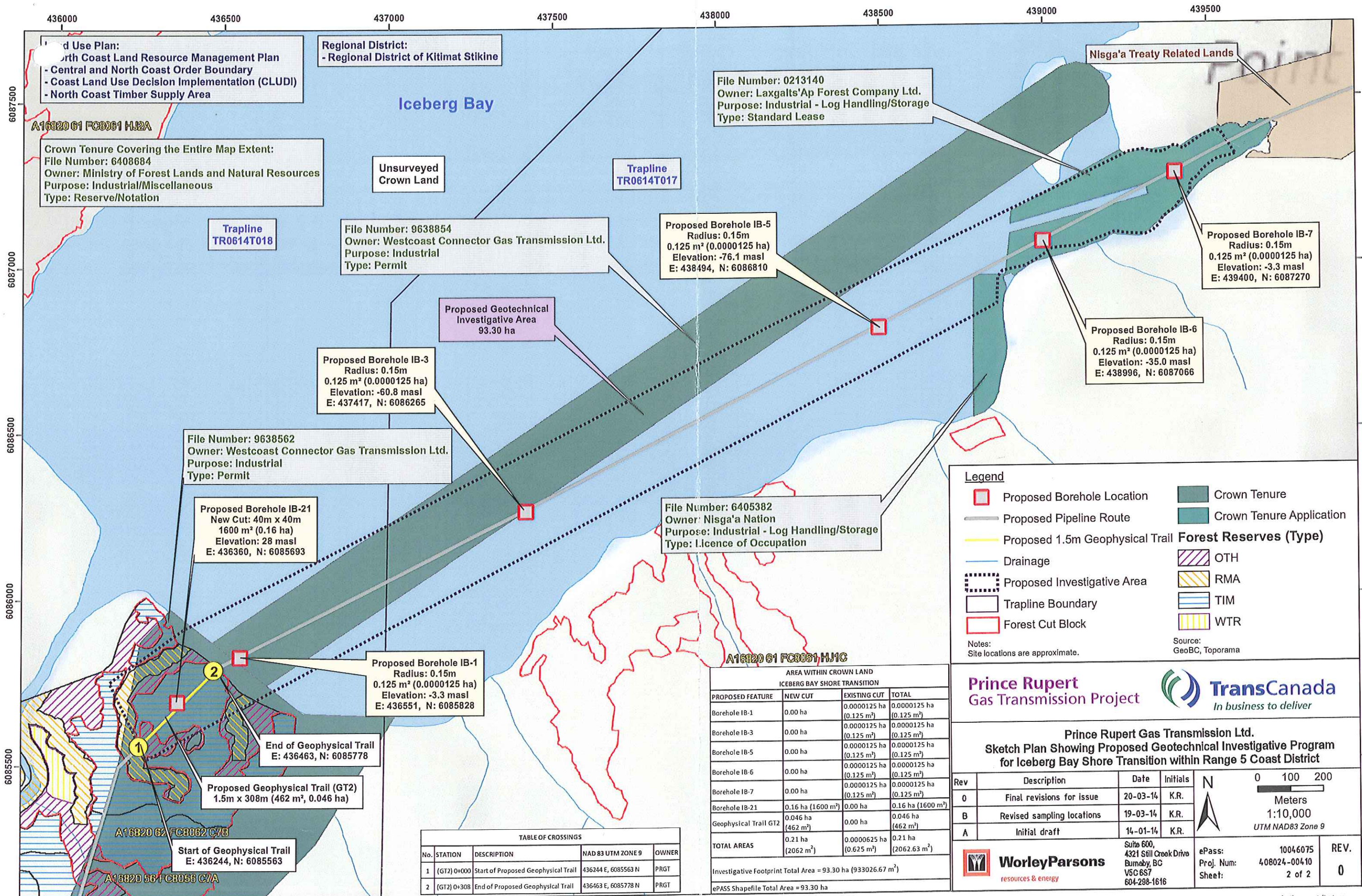
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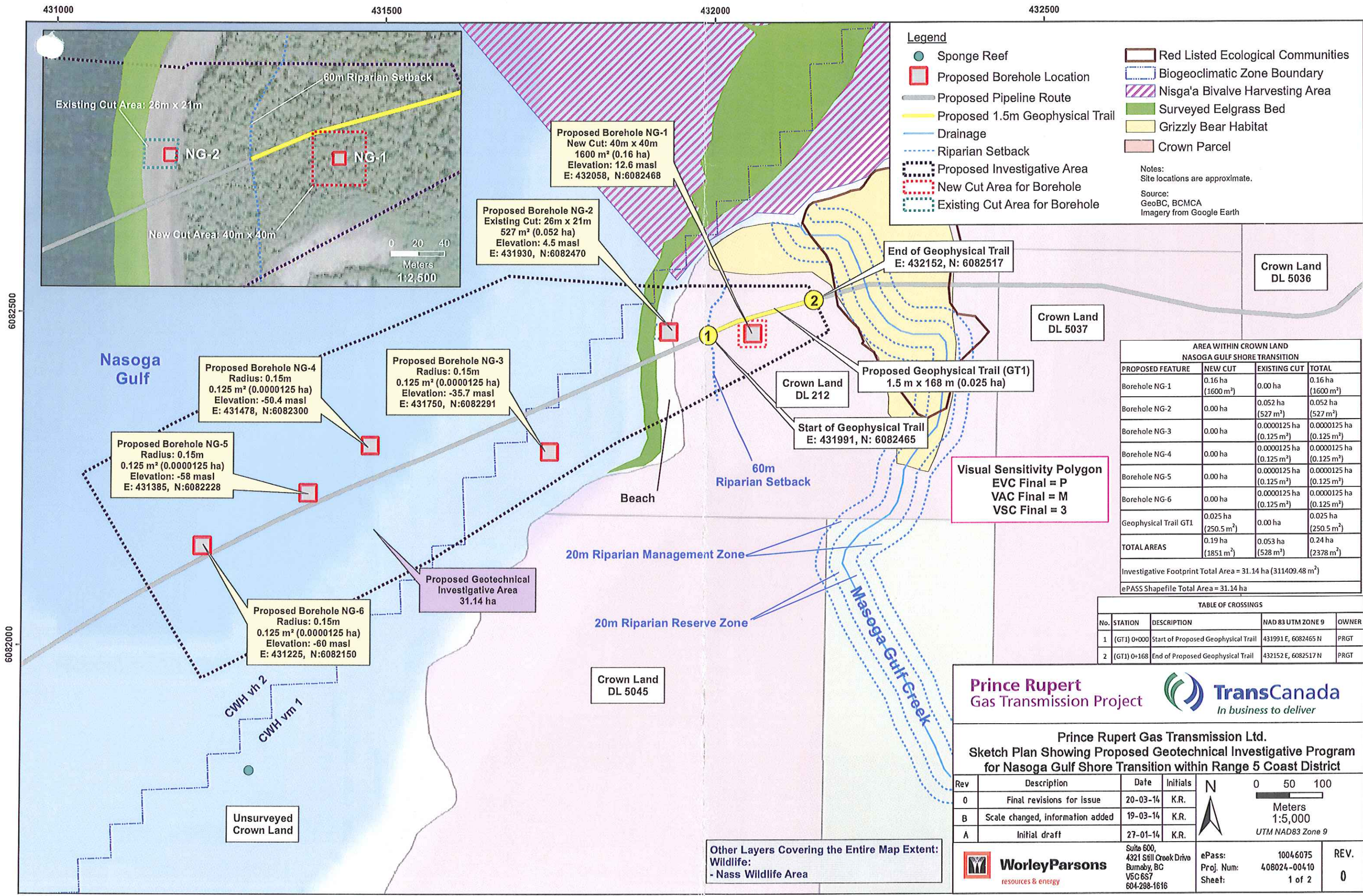












AREA WITHIN CROWN LAND NASOGA GULF SHORE TRANSITION			
PROPOSED FEATURE	NEW CUT	EXISTING CUT	TOTAL
Borehole NG-1	0.16 ha (1600 m ²)	0.00 ha	0.16 ha (1600 m ²)
Borehole NG-2	0.00 ha	0.052 ha (527 m ²)	0.052 ha (527 m ²)
Borehole NG-3	0.00 ha	0.0000125 ha (0.125 m ²)	0.0000125 ha (0.125 m ²)
Borehole NG-4	0.00 ha	0.0000125 ha (0.125 m ²)	0.0000125 ha (0.125 m ²)
Borehole NG-5	0.00 ha	0.0000125 ha (0.125 m ²)	0.0000125 ha (0.125 m ²)
Borehole NG-6	0.00 ha	0.0000125 ha (0.125 m ²)	0.0000125 ha (0.125 m ²)
Geophysical Trail GT1	0.025 ha (250.5 m ²)	0.00 ha	0.025 ha (250.5 m ²)
TOTAL AREAS	0.19 ha (1851 m ²)	0.053 ha (528 m ²)	0.24 ha (2378 m ²)
Investigative Footprint Total Area = 31.14 ha (311409.48 m ²)			
ePASS Shapefile Total Area = 31.14 ha			

TABLE OF CROSSINGS				
No.	STATION	DESCRIPTION	NAD 83 UTM ZONE 9	OWNER
1	(GT1) 0+000	Start of Proposed Geophysical Trail	431991 E, 6082465 N	PRGT
2	(GT1) 0+168	End of Proposed Geophysical Trail	432152 E, 6082517 N	PRGT

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Prince Rupert Gas Transmission Ltd.
Sketch Plan Showing Proposed Geotechnical Investigative Program
for Nasoga Gulf Shore Transition within Range 5 Coast District

Rev	Description	Date	Initials
0	Final revisions for issue	20-03-14	K.R.
B	Scale changed, information added	19-03-14	K.R.
A	Initial draft	27-01-14	K.R.

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ePass: 10046075
Proj. Num: 408024-00410
Sheet: 1 of 2

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Meters
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UTM NAD83 Zone 9

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