



OGC File: 9642335

December 9, 2015

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

Attention: Surface Land Administrator

Re: Approval for Short Term Use of Water

This approves you, under Section 8 of the *Water Act* to divert and use water as follows:


1. The approved water withdrawal points are listed on the attached table title "Application for Short Term Use of Water – Supplemental Table"
2. The approved use of water is restricted to the oil and gas activities of the Operator.
3. The maximum quantity of water that may be diverted is 199m³/day per point of diversion, at a rate not to exceed 14l/s (0.5 cfs).
4. The maximum quantity of water that may be diverted during the duration of the authorization is 9999m³ per point of diversion.
5. On any stream, no diversion is permitted where stream discharge is less than 55 l/s, or where the diversion will cause the stream discharge to fall below 55 l/s. No diversion is permitted where stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location, or where the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
6. On any lake, water withdrawal must cease if drawdown exceeds 0.10 metres (relative to the water level documented at the commencement of withdrawal activities). In the event that drawdown exceeds 0.10 metres, withdrawals may resume only when water levels have risen above the 0.10 metres drawdown level.
7. No water will be diverted or removed from any beaver pond.
8. Approval has been granted to use the water from Februarys 1st 2016 to January 31st 2018.
9. This approval does not authorize any instream work.
10. A copy of this approval must be available for inspection at the tank truck and wellsite location(s).
11. End-of-pipe intakes must contain a screen with a mesh size that does not exceed one tenth of an inch.

12. The holder of this approval must maintain accurate records of all water withdrawal activities throughout the term of this permit. A digital spreadsheet has been sent to the applicant's email provided on the application. Water withdrawal records for each diversion point, including "0" values for months where no water was withdrawn, must be recorded monthly on the digital spreadsheet provided. The spreadsheet must be submitted to the Oil and Gas Commission on a quarterly basis to OGCWater.VolumeData@bcogc.ca. Quarterly reports are due on or before April 25th, July 25th, October 25th, and January 25th. Do not modify the digital spreadsheet as it is designed to be interpreted by Commission software. If a cell/field in the spreadsheet is not relevant to the permitted activity, leave it blank.
13. In times of drought, the Commission may suspend short term water use previously authorized when there is risk to other resources that may result from the withdrawal of water. Water use suspensions may remain in place until such time as the Commission is satisfied that there is sufficient water in the applicable water body or water course to permit the short term use of the amount specified in the approval.
14. The holder of this approval must monitor stream discharge at a location near the point of diversion in a manner consistent with the British Columbia Hydrometric Standards (https://www.for.gov.bc.ca/hts/risc/pubs/aquatic/hydrometric/man_BC_hydrometric_stand_V1.0.pdf) immediately before and during water withdrawal activities, and must maintain records of the stream discharge monitoring.

Additional Conditions:

1. Withdrawal of water at POD 45.478 is not permitted during the month of February.
2. The permit holder must notify the Wilps Gutgwinuxs (Lax Xsin Djihl) a minimum of 5 days prior to commencing any construction activities under this permit.
3. The permit holder must notify the Wilps Luutkudziiwus (Madii Lii) a minimum of 5 days prior to commencing any construction activities under this permit.
4. The permit holder must notify Lake Babine Nation a minimum of 5 days prior to commencing any construction activities under this permit.
5. The permit holder must ensure that a qualified professional is on site during water withdrawal within the Suskwa Watershed. The qualified professional must monitor watercourse flow to ensure that water withdrawal does not cause a material adverse effect on fish or fish habitat.
6. The permit holder must ensure pump intakes do not cause a material adverse effect on fish or fish habitat.

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



Andrew Osmond
Natural Resource Officer

cc: Roy Northern Land and Environment

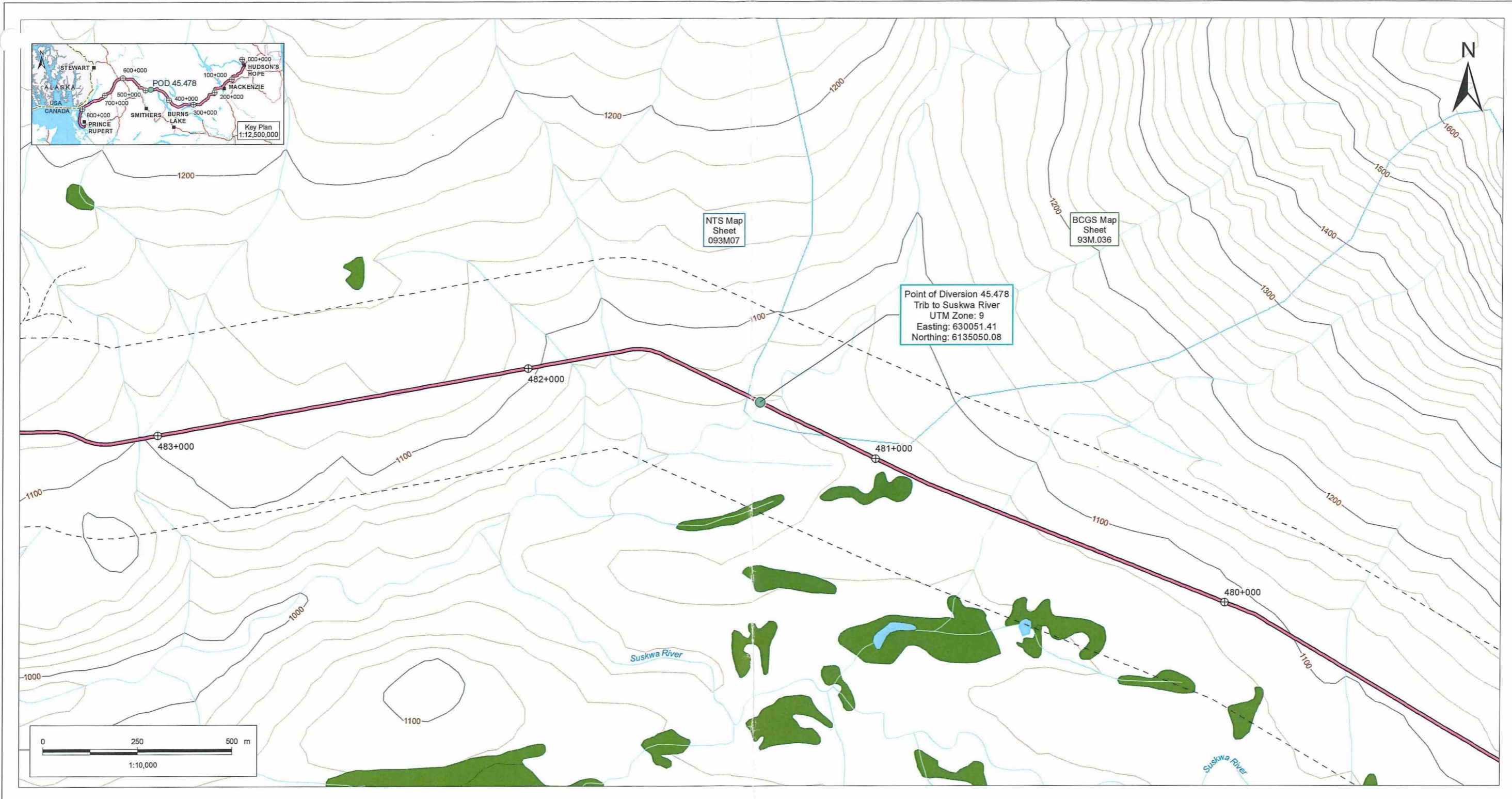
cc: OGC File: 9642335

cc: Lake Babine Nation, Gitxsan - Lax Xsin Djihl Laxwiiyip, Gitxsan – Madii Lii Laxwiiyip

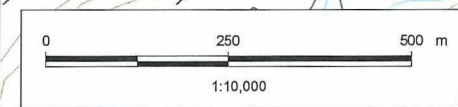
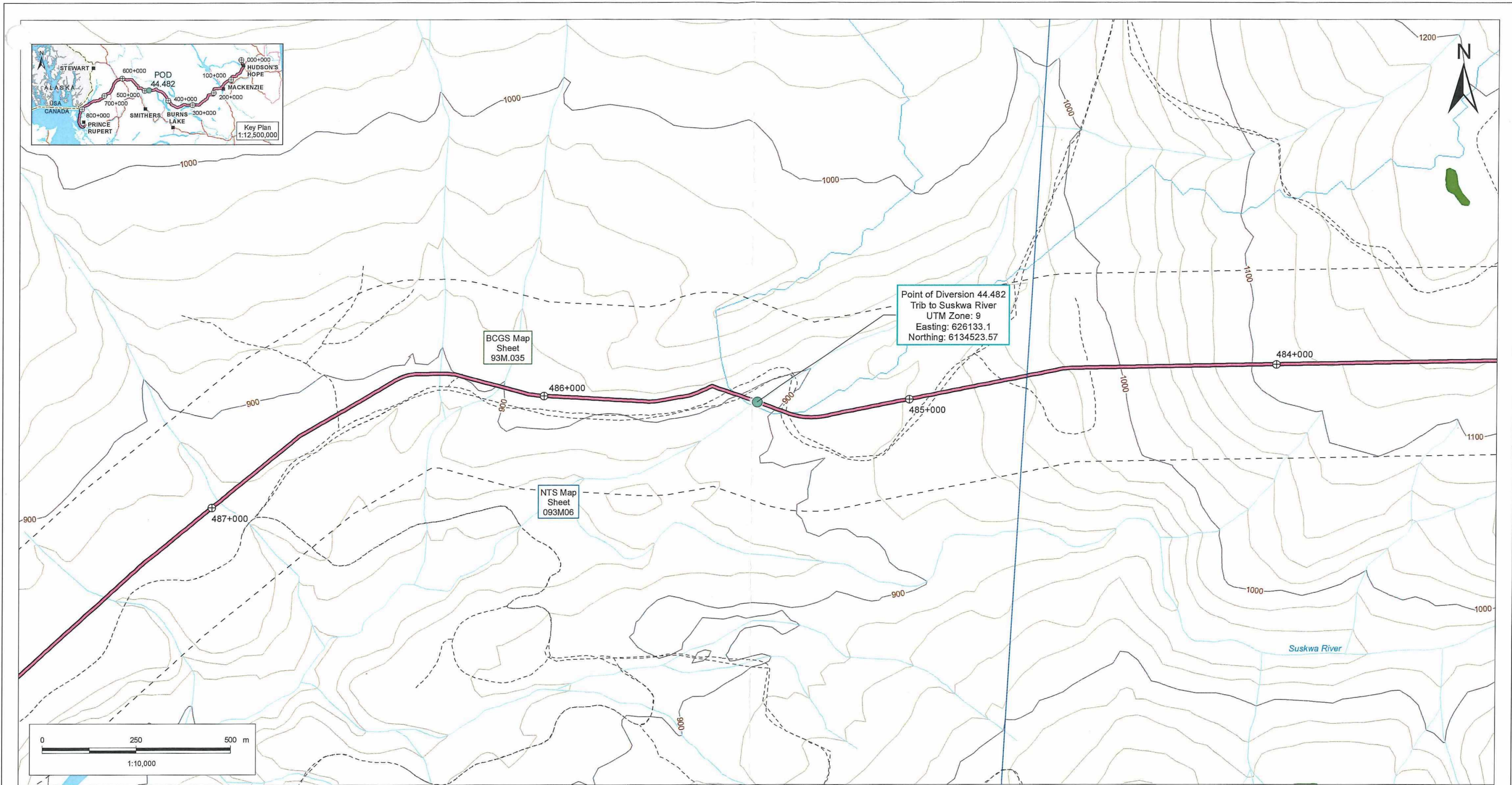
Operations – Permitting and Authorizations
6534 Airport Road
Fort St. John, BC V1J 4M6

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Telephone: 250-794-5200
Facsimile: 250-794-5390
24 Hour: 250-794-5200

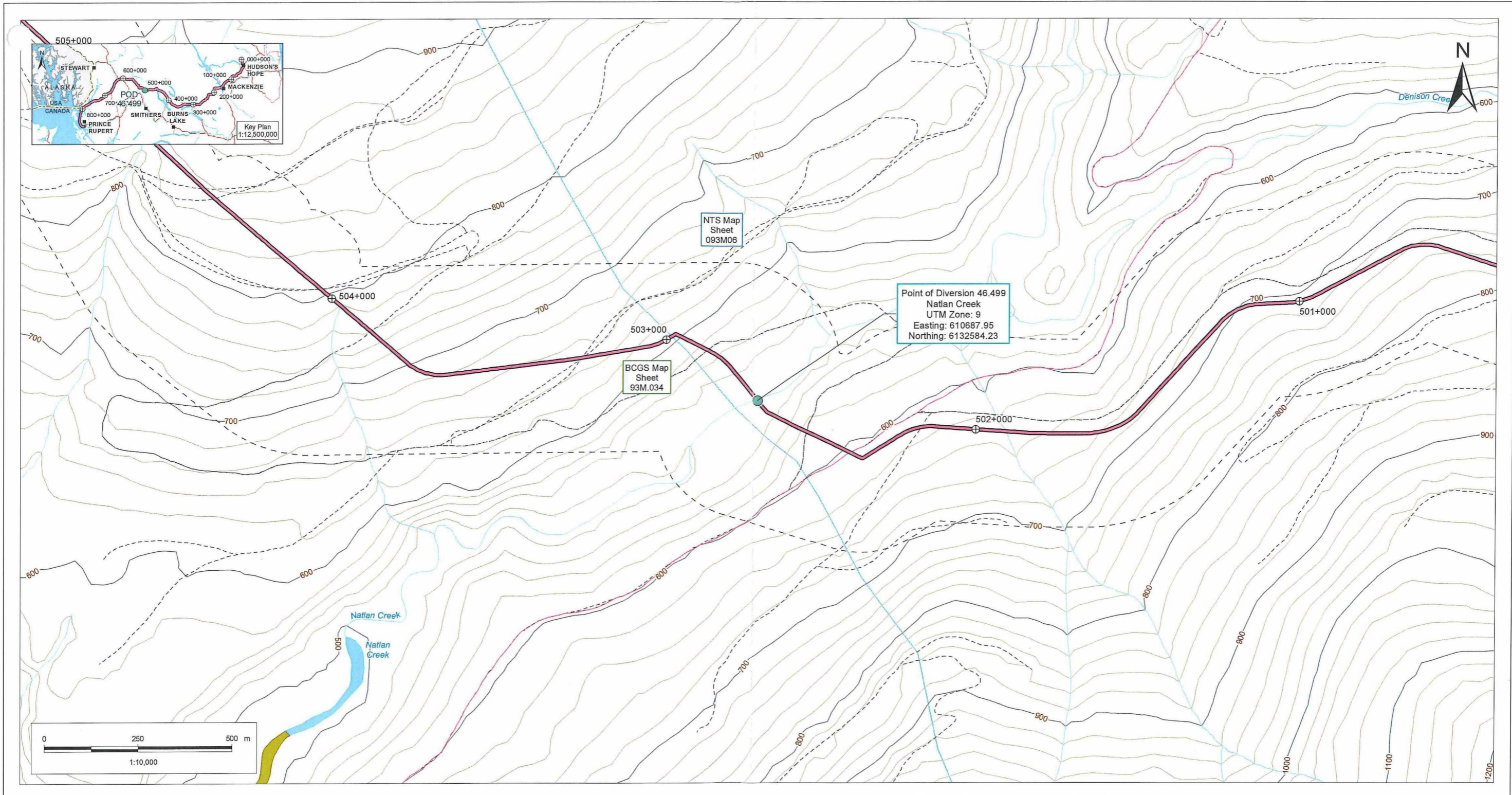


<ul style="list-style-type: none"> City, Town, Village, or District Municipality Highway Road Unpaved Road Watercourse 	<ul style="list-style-type: none"> Contour (100m interval) Contour (20m interval) Waterbody Marsh/Swamp 	<ul style="list-style-type: none"> Pipeline Route KP Pipeline Route Certified Project Description 500 m Corridor 	<ul style="list-style-type: none"> Point of Diversion Upstream Watershed NTS Map Sheet 093M07 BCGS Map Sheet 093M036 	<p>Prince Rupert Gas Transmission Project</p> <p>PIPELINE SEGMENT 4 (KP 458 TO 531): TRIB TO SUSKWA RIVER</p> <p>POINT OF DIVERSION 45.478</p> <p><i>SHORT-TERM USE OF WATER APPLICATION</i></p>			<p>Prince Rupert Gas Transmission Project</p>
<p>Data Sources: DataBC, Government of British Columbia (GovBC); Terrain Resource Information Management, GovBC; National Topographic System, GovBC; BC Stats, GovBC; BC Oil & Gas Commission, GovBC; CanVec v12, Government of Canada (GC); National Hydrology Network, GC; Atlas of Canada National Framework, GC; Fisheries and Oceans Canada, GC; Environmental Canada, GC; Natural Resources Canada, GC; TransCanada Corporation; UniversalPegasus International; IntecSea; Focus Corporation</p> <p>Disclaimer: Contains information licensed under the Open Government License - British Columbia, Canada. Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.</p>				<p>REVISION: 2</p> <p>SEGMENT: 4/6</p>	<p>PROJECTION: BC ENVIRONMENTAL ALBERS</p> <p>DATUM: NORTH AMERICAN DATUM 1983</p>	<p>DRAWN BY: R. CAMPBELL</p> <p>CHECKED BY: C. PAULIN</p>	<p>FIGURE ID: 123220064-10555</p> <p>FIGURE NO: 4-1</p>



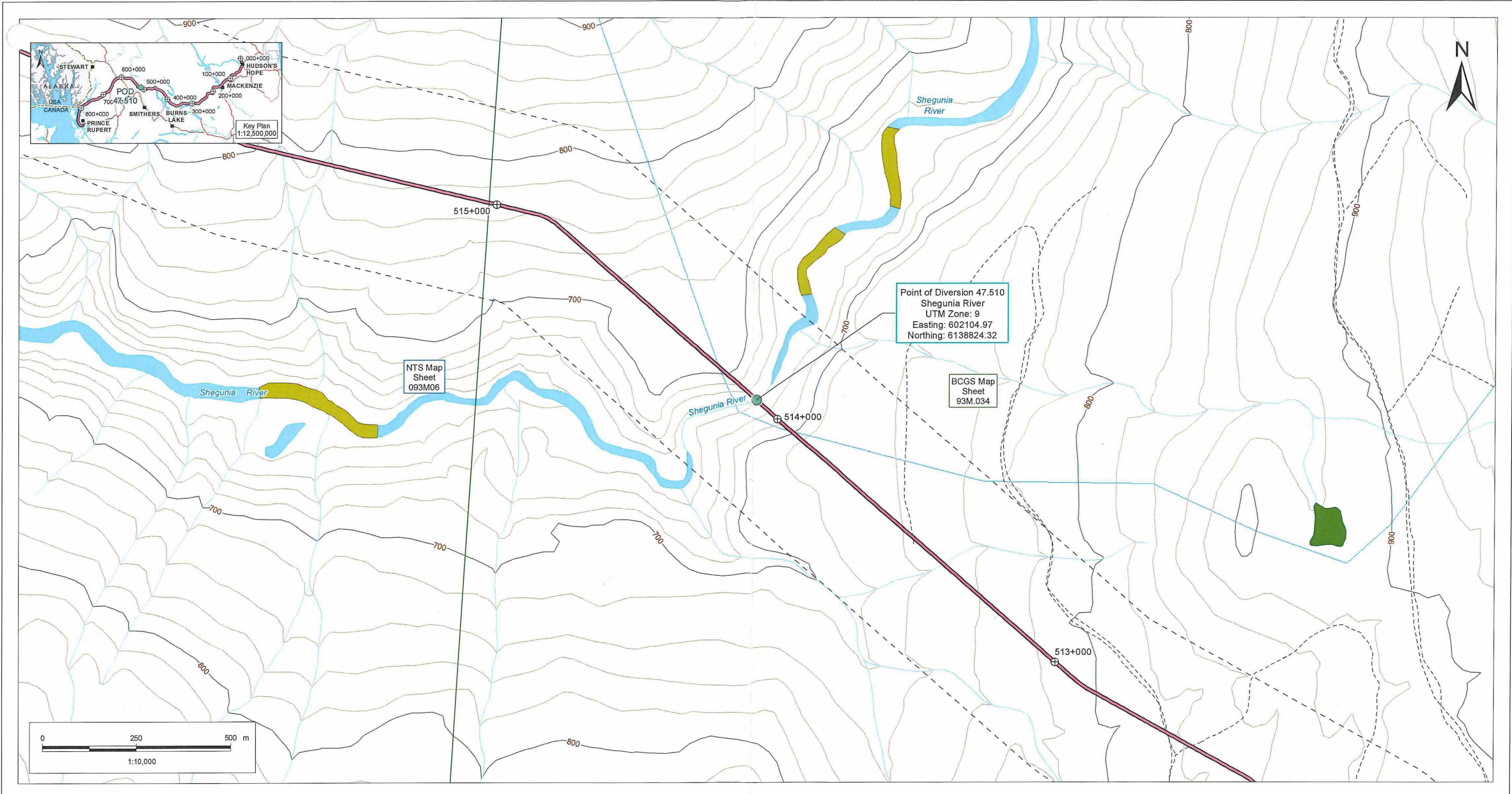
<ul style="list-style-type: none"> ■ City, Town, Village, or District Municipality — Highway — Road - - - Unpaved Road — Watercourse — Contour (100m interval) — Contour (20m interval) Waterbody Marsh/Swamp ⊕ Pipeline Route KP — Pipeline Route - - - Certified Project Description 500 m — Corridor ● Point of Diversion Upstream Watershed NTS Map Sheet 093M06 BCGS Map Sheet 093M035 		<p>Prince Rupert Gas Transmission Project</p> <p>PIPELINE SEGMENT 4 (KP 458 TO 531): TRIB TO SUSKWA RIVER</p> <p>POINT OF DIVERSION 44.482</p> <p>SHORT-TERM USE OF WATER APPLICATION</p>		<p>Prince Rupert Gas Transmission Project</p>	
<p>Data Sources: DataBC, Government of British Columbia (GovBC); Terrain Resource Information Management, GovBC; National Topographic System, GovBC; BC Stats, GovBC; BC Oil & Gas Commission, GovBC; CanVec v12, Government of Canada (GC); National Hydrology Network, GC; Atlas of Canada National Framework, GC; Fisheries and Oceans Canada, GC; Environmental Canada, GC; Natural Resources Canada, GC; TransCanada Corporation; UniversalPegasus International; IntecSea; Focus Corporation</p> <p>Disclaimer: Contains information licensed under the Open Government License - British Columbia, Canada. Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.</p>		<p>REVISION: 2</p> <p>SEGMENT: 4/6</p>	<p>PROJECTION: BC ENVIRONMENTAL ALBERS</p> <p>DATUM: NORTH AMERICAN DATUM 1983</p>	<p>DRAWN BY: R. CAMPBELL</p> <p>CHECKED BY: C. PAULIN</p>	<p>FIGURE ID: 123220064-10555</p> <p>FIGURE NO: 4-2</p>

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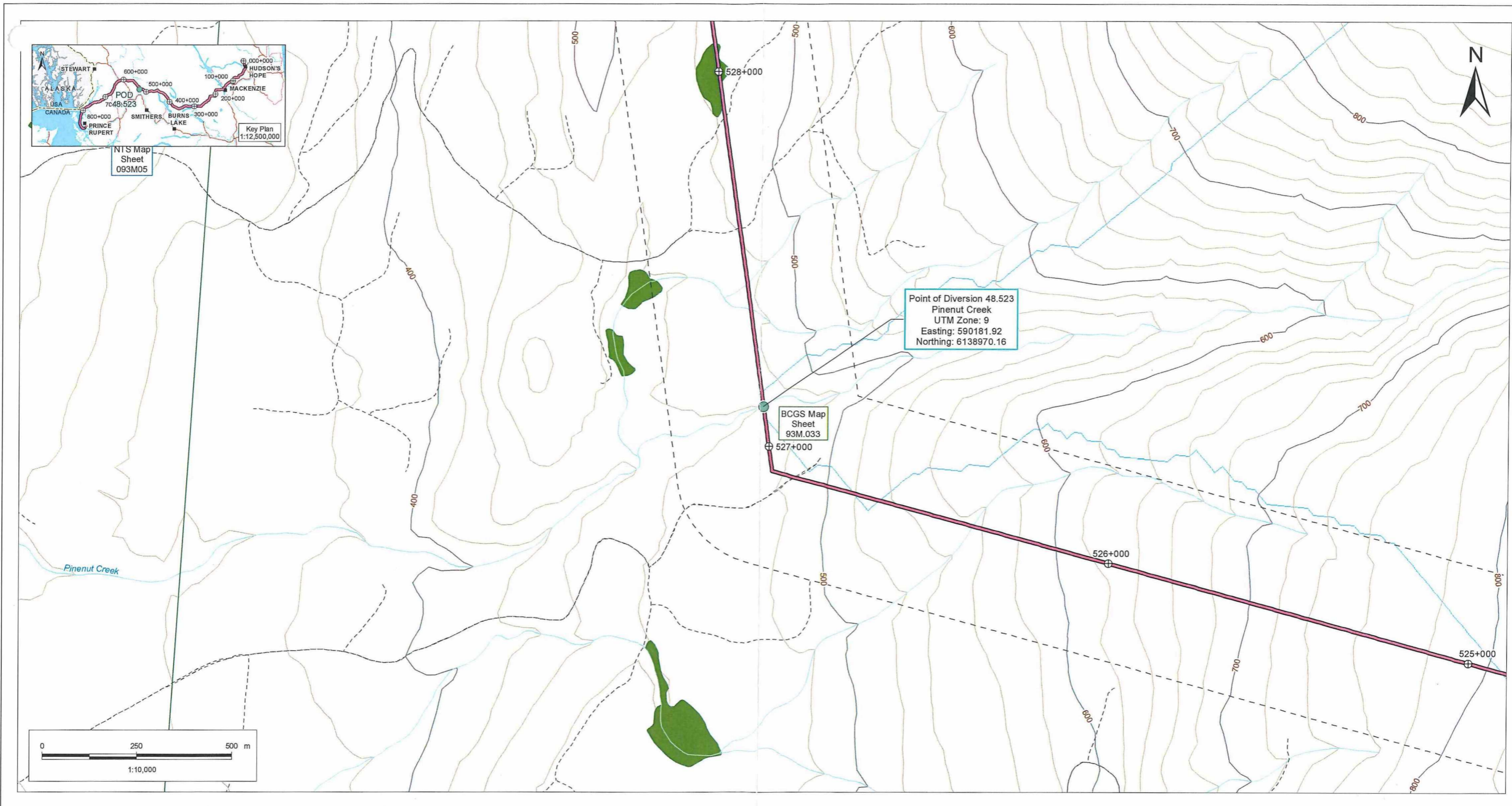
<p> City, Town, Village, or District Municipality Highway Road Unpaved Road Watercourse Contour (100m interval) Contour (20m interval) Waterbody Sand or Gravel Bar Pipeline Route KP Pipeline Route Certified Project Description 500 m Corridor Point of Diversion Upstream Watershed NTS Map Sheet 093M06 BCGS Map Sheet 093M034 </p>		<p>Prince Rupert Gas Transmission Project</p> <p>PIPELINE SEGMENT 4 (KP 458 TO 531): NATLAN CREEK</p> <p>POINT OF DIVERSION 46.499</p> <p>SHORT-TERM USE OF WATER APPLICATION</p>		<p>Prince Rupert Gas Transmission Project</p>	
<p>Data Sources: DataBC, Government of British Columbia (GovBC); Terrain Resource Information Management, GovBC; National Topographic System, GovBC; BC Stats, GovBC; BC Oil & Gas Commission, GovBC; CanVec v12, Government of Canada (GC); National Hydrology Network, GC; Atlas of Canada National Framework, GC; Fisheries and Oceans Canada, GC; Environmental Canada, GC; Natural Resources Canada, GC; TransCanada Corporation; UniversalPegasus International; IntecSea; Focus Corporation</p> <p>Disclaimer: Contains information licensed under the Open Government License - British Columbia, Canada. Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.</p>		<p>REVISION: 2</p> <p>SEGMENT: 4/6</p>	<p>PROJECTION: BC ENVIRONMENTAL ALBERS</p> <p>DATUM: NORTH AMERICAN DATUM 1983</p>	<p>DRAWN BY: R. CAMPBELL</p> <p>CHECKED BY: C. PAULIN</p>	<p>FIGURE ID: 123220064-10555</p> <p>FIGURE NO: 4-3</p>

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<p> City, Town, Village, or District Municipality Highway Road Unpaved Road Watercourse Contour (100m interval) Contour (20m interval) Waterbody Marsh/Swamp Sand or Gravel Bar Pipeline Route KP Pipeline Route Certified Project Description 500 m Corridor Point of Diversion Upstream Watershed NTS Map Sheet 093M06 BCGS Map Sheet 093M034 </p>		<p>Prince Rupert Gas Transmission Project</p> <p>PIPELINE SEGMENT 4 (KP 458 TO 531): SHEGUNIA RIVER</p> <p>POINT OF DIVERSION 47.510</p> <p>SHORT-TERM USE OF WATER APPLICATION</p>		<p>Prince Rupert Gas Transmission Project</p>	
<p>Data Sources: DataBC, Government of British Columbia (GovBC); Terrain Resource Information Management, GovBC; National Topographic System, GovBC; BC Stats, GovBC; BC Oil & Gas Commission, GovBC; CanVec v12, Government of Canada (GC); National Hydrology Network, GC; Atlas of Canada National Framework, GC; Fisheries and Oceans Canada, GC; Environmental Canada, GC; Natural Resources Canada, GC; TransCanada Corporation; UniversalPegasus International; IntecSea; Focus Corporation</p> <p>Disclaimer: Contains information licensed under the Open Government License - British Columbia, Canada. Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.</p>		<p>REVISION: 2</p> <p>SEGMENT: 4/6</p>	<p>PROJECTION: BC ENVIRONMENTAL ALBERS</p> <p>DATUM: NORTH AMERICAN DATUM 1983</p>	<p>DRAWN BY: R. CAMPBELL</p> <p>CHECKED BY: C. PAULIN</p>	<p>FIGURE ID: 123220064-10555</p> <p>FIGURE NO: 4-4</p>

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<p>■ City, Town, Village, or District Municipality</p> <p>— Highway</p> <p>— Road</p> <p>--- Unpaved Road</p> <p>— Watercourse</p> <p>— Contour (100m interval)</p> <p>— Contour (20m interval)</p> <p>Waterbody</p> <p>Marsh/Swamp</p> <p>⊕ Pipeline Route KP</p> <p>— Pipeline Route</p> <p>--- Certified Project Description 500 m</p> <p>--- Corridor</p> <p>● Point of Diversion</p> <p>Upstream Watershed</p> <p>NTS Map Sheet</p> <p>093M05</p> <p>BCGS Map Sheet</p> <p>093M033</p>		<p>Prince Rupert Gas Transmission Project</p> <p>PIPELINE SEGMENT 4 (KP 458 TO 531): PINENUT CREEK</p> <p>POINT OF DIVERSION 48.523</p> <p><i>SHORT-TERM USE OF WATER APPLICATION</i></p>		<p>Prince Rupert Gas Transmission Project</p>	
<p>Data Sources: DataBC, Government of British Columbia (GovBC); Terrain Resource Information Management, GovBC; National Topographic System, GovBC; BC Stats, GovBC; BC Oil & Gas Commission, GovBC; CanVec v12, Government of Canada (GC); National Hydrology Network, GC; Atlas of Canada National Framework, GC; Fisheries and Oceans Canada, GC; Environmental Canada, GC; Natural Resources Canada, GC; TransCanada Corporation; UniversalPegasus International; IntecSea; Focus Corporation</p> <p>Disclaimer: Contains information licensed under the Open Government License - British Columbia, Canada. Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.</p>		<p>REVISION: 2</p> <p>SEGMENT: 4/6</p>	<p>PROJECTION: BC ENVIRONMENTAL ALBERS</p> <p>DATUM: NORTH AMERICAN DATUM 1983</p>	<p>DRAWN BY: R. CAMPBELL</p> <p>CHECKED BY: C. PAULIN</p>	<p>FIGURE ID: 123220064-10555</p> <p>FIGURE NO: 4-5</p>

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Application for Short Term Use of Water - Segment 4 Supplemental Table

Proponent: Prince Rupert Gas Transmission Ltd.

OGC File #: New Application

this section applies to all applications									Remaining Allocation (From NWT)											
POB#	UTM Zone	Northing	Easting	Purpose	Source Type	Source Name	Proposed volume/day (m ³)	Proposed total volume (m ³)	January Flow Estimates (m ³)	February Flow Estimates (m ³)	March Flow Estimates (m ³)	April Flow Estimates (m ³)	May Flow Estimates (m ³)	June Flow Estimates (m ³)	July Flow Estimates (m ³)	August Flow Estimates (m ³)	September Flow Estimates (m ³)	October Flow Estimates (m ³)	November Flow Estimates (m ³)	December Flow Estimates (m ³)
44.482	9	6134523.573	626133.097	Road Maintenance (02146)	Stream/River	Trib to Suskwa River	199	9,999	20,800	9,600	14,600	48,700	370,700	409,800	275,200	171,400	125,400	100,400	37,300	19,100
45.478	9	6135050.083	630051.414	Road Maintenance (02146)	Stream/River	Trib to Suskwa River	199	9,999	70,600	66,000	73,800	124,600	323,100	300,000	206,100	125,600	149,300	210,500	130,900	103,600
46.499	9	6132584.231	610687.950	Road Maintenance (02146)	Stream/River	Natlan Creek	199	9,999	298,600	147,600	216,200	608,700	3,964,900	3,936,700	2,554,400	1,523,100	1,227,600	1,199,500	500,600	286,700
47.510	9	6138824.318	602104.975	Road Maintenance (02146)	Stream/River	Shegunia River	199	9,999	279,500	160,500	256,600	778,500	5,117,300	5,280,400	3,479,300	2,123,200	1,699,600	1,612,300	620,900	323,600
48.523	9	6138970.159	590181.918	Road Maintenance (02146)	Stream/River	Pinenut Creek	199	9,999	20,600	21,600	31,500	85,300	468,500	449,400	280,000	164,700	153,800	150,900	64,000	40,000