

OGC File Number: 9637427

July 14, 2014

Coastal GasLink Pipeline Ltd.  
450-1<sup>st</sup> Street SW  
Calgary, Alberta T2P 5H1

Attention: Surface Land Administrator

**Re: Amendment to Investigative Permit-Section 14 over Crown Land, Cariboo District within Units 11& 21, Block A, Group 93-J-16 and Units 20, 29 & 30, Block D, Group 93-J-16.**

Date of Issuance: June 14, 2014

Commission File No.: 9637427

Applicant File No.: 120496 (Parsnip River Microtunnel)

The Oil and Gas Commission (Commission) hereby grants an amendment to the permit dated March 6, 2013 under Section 14 of the Land Act under Authorization 939784, to allow Coastal GasLink Pipeline Ltd. (the "permit holder") to occupy Crown land within the area indicated on the attached sketch plan, Midwest Surveys Job #: CGE4703-MSI-G-MP-203-ParsnipR-MicroT-BH-Sketch, Revision 2, dated April 24, 2014, as submitted to the Commission on May 15, 2014, subject to the conditions set out below:

1. The permit is amended to increase the disturbance within the investigative area by:
  - a. Borehole Pads: 0.023 ha.
  - b. Temporary Access Trail: 0.020 ha.to a total of 0.471 ha.
2. 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.

3. No boreholes are to be located within the Riparian Reserve Zone.

The permit holder must comply with all conditions in the original permit and subsequent amendments.

The permit holder shall comply with all applicable laws, including the Fisheries Act (Canada), Water Act, Environmental Management Act, Workers Compensation Act, Wildlife Act and the Forest Act.

This amendment forms an integral part of your permit and should be attached hereto.



Justin Anderson  
Natural Resource Officer

pc: McLeod Lake Indian Band  
pc: West Moberly First Nations  
pc: Sauteau First Nation  
pc: Roy Northern Land and Environmental

OGC File: 9637427

March 6, 2013

Coastal GasLink Pipeline Ltd.  
450 – 1<sup>st</sup> Street SW  
Calgary, Alberta T2P 5H1

Attention: Surface Land Administrator

Re: Investigative Permit- Section 14 over Crown Land, Caribou District  
within units 11 and 21, block A, and units 20, 29 and 30, block D, 93-J-16.

Date of Issuance: March 6, 2013  
Commission File No: 9637427  
Applicant File No: 120496

## PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9637427, under section 14 of the *Land Act*, to allow Coastal GasLink Pipeline Ltd. (the "permit holder") to occupy Crown land within the areas described as "Investigative Area" and "20.0m Access Buffer" in the attached sketch plan Document No: CGE4703-MSI-G-MP-016-ParsnipR-BH-Sketch, Revision 1, dated November 27, 2012 as submitted to the Commission in the permit application dated November 30, 2012 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 939784, 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 0.428Ha.
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.
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](mailto:C&E@bcogc.ca).
13. An Archaeological Impact Assessment ("AIA") must be conducted for the proposed development area.
14. If an archaeological site is recorded as a result of the AIA referenced in condition 13, above: an AIA report must be submitted immediately to the Oil and Gas Commission and all mitigation measures must be approved by the Commission's archaeology staff prior to conducting activities under this Permit; and all activities conducted under this Permit must be completed in accordance with the approved mitigation measures.
15. If no archaeological site is recorded during the AIA referenced in condition 14, above, an AIA report must be submitted to the Commission as soon as possible as per the Archaeology Process Guidelines.
16. In the event that:
  - a. a heritage site, heritage object or any other feature, place or material that may contain historical or archaeological value as defined by the Heritage Conservation Act [RSBC 1996] Chapter 187; or

b. any other cultural heritage material or feature

is encountered while conducting activities under this Permit, the permit holder must cease immediately disturbance activities and immediately notify the Commission.

17. 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.
18. 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. 1, under Master License to Cut number M02341, Prince George 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.
2. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
3. All harvested Crown timber must be marked with Timber Mark Number MSZ 576.
4. The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
5. All Crown timber cut under the authority of this cutting permit must remain on Site and must be cut into pieces of lengths that are no greater than 3 metres and laid flat of the ground.
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. Prior to harvesting, any clearing authorized by this Cutting Permit must be clearly defined on the ground by ribboning or blazing.
8. This permit authorizes a maximum total new cut area of 0.428Ha within the Site.

#### CHANGES IN AND ABOUT A STREAM AUTHORIZATION

Pursuant to section 9 of the *Water Act*, the Commission hereby authorizes the permit holder to make changes in and about a stream subject to the following conditions:

1. The approved temporary stream crossing of the Parsnip River on Crown land is located at UTM location N. 6069046 E. 532218.
2. This approval does not authorize any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat, as described within the *Federal Fisheries Act of Canada*
3. Stream crossing methods must be selected and constructed in accordance with the *Environmental Protection and Management Guidebook*, including Best Management Practices outlined therein.



4. No in-stream works on fish bearing streams that may adversely impact fish or fish habitat are authorized.
5. Refer to the *Forest Practices Code of British Columbia Act – Forest Road Regulation* at: <http://www.for.gov.bc.ca/tasb/legsregs/ARCHIVE/FPC/FPCAREGS/forroad/froadr.htm#section7-1> for more information regarding temporary and permanent structures.

#### ADDITIONAL CONDITIONS

1. This permit authorizes operations on Crown land only.
2. In consideration of the West Moberly First Nation it is recommended that the permit holder notify the West Moberly First Nation Land Use Office (250-788-7259) prior to commencement of construction.
3. In consideration of the Saulneau First Nation it is recommended that the permit holder notify the West Moberly First Nation Land Use Office (250-788-7289) prior to commencement of construction.
4. The Commission recommends the permit holder notify the McLeod Lake Indian Band prior to project commencement.

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



Ryan Stark  
Natural Resource Officer

pc: FLNRO – Prince George  
pc: McLeod Lake Indian Band, West Moberly First Nation, Saulneau First Nation



**LEGEND:**

Proposed 10 x 10 Borehole Pad

Investigative Area

Coastal GasLink Study Corridor Centerline

1.5 Access

5.0 Access

Existing Access

20.0 Access Buffer

District Lot Boundary

Guide/Outfitter

Windpower Permit, Map Reserve, Notation of Interest

Riparian Zone

Caribou Range

Water Course

Water Course Crossing

**NOTES:**

- The proposed project is not within the Agricultural Land Reserve (ALR).
- Project to be flagged at time of construction.
- UTM Coordinates shown are NAD83 Zone 10 N.
- The proposed project is within the South OGC Zone
- Distances shown are in meters and decimals thereof.

**MIDWEST SURVEYS LAND SURVEYING LTD.**  
11003 Alaska Road  
Fort St. John, BC  
V1J 6P3  
Tel: 250-785-3902  
IB-0015-12

EPASS # 10040562

BCGS: 93J.078 | Data sets sourced on this map are defined in the CGP Data Matrix

REVISION	DESCRIPTION
1	Updated Title Block, November 27, 2012

SCALE 1:5,000

0 100 200 METERS

TRAPPER 723T005

GUIDE 701162

RANGE TENURE NONE

COAL 328778

HART RANGES CARIBOU HERD

**Water Course Crossings**

Crossing No.	Northing	Easting
1	6069046	532218

**ACCESS SEGMENTS**

Segment No.	Begin Northing	Begin Easting	End Northing	End Easting
1	6069054	532921	6069233	532395
2	6069228	532388	6069085	532261
3	6069076	532256	6069067	532248
4	6068935	532129	6069000	532188
5	6068929	532121	6068853	532052
6	6068850	532052	6068786	531995
7	6068780	531987	6068772	531980
8	6068771	531981	6068750	531963
9	6068725	531941	6068634	531858

**TABLE OF AREAS REQUIRED (PRIVATE LANDS)**

PID	Proposed Feature:	New Cut	Existing Clearing	Total	Northing	Easting
015-301-249	1.5 Access	0.000 ha	0.027 ha	0.027 ha		
	Borehole Pad #3	0.000 ha	0.010 ha	0.010 ha	6068937	532119
024-530-671	Borehole Pad #4	0.010 ha	0.000 ha	0.010 ha	6068788	531986
	1.5 Access	0.014 ha	0.008 ha	0.022 ha		
	5.0 Access	0.005 ha	0.052 ha	0.057 ha		
	SubTotal Area	0.029 ha	0.070 ha	0.099 ha		
	Total Area	0.029 ha	0.097 ha	0.126 ha		
	Investigative Area Total Area = 5.03 ha.					

Caribou Range: Hart Ranges Herd

Coal License: None

Community Forest: None

Guide / Outfitter: 701162

Mineral Reserve: 328778 / 330209

Range Tenure: None

Trapper: 723T005

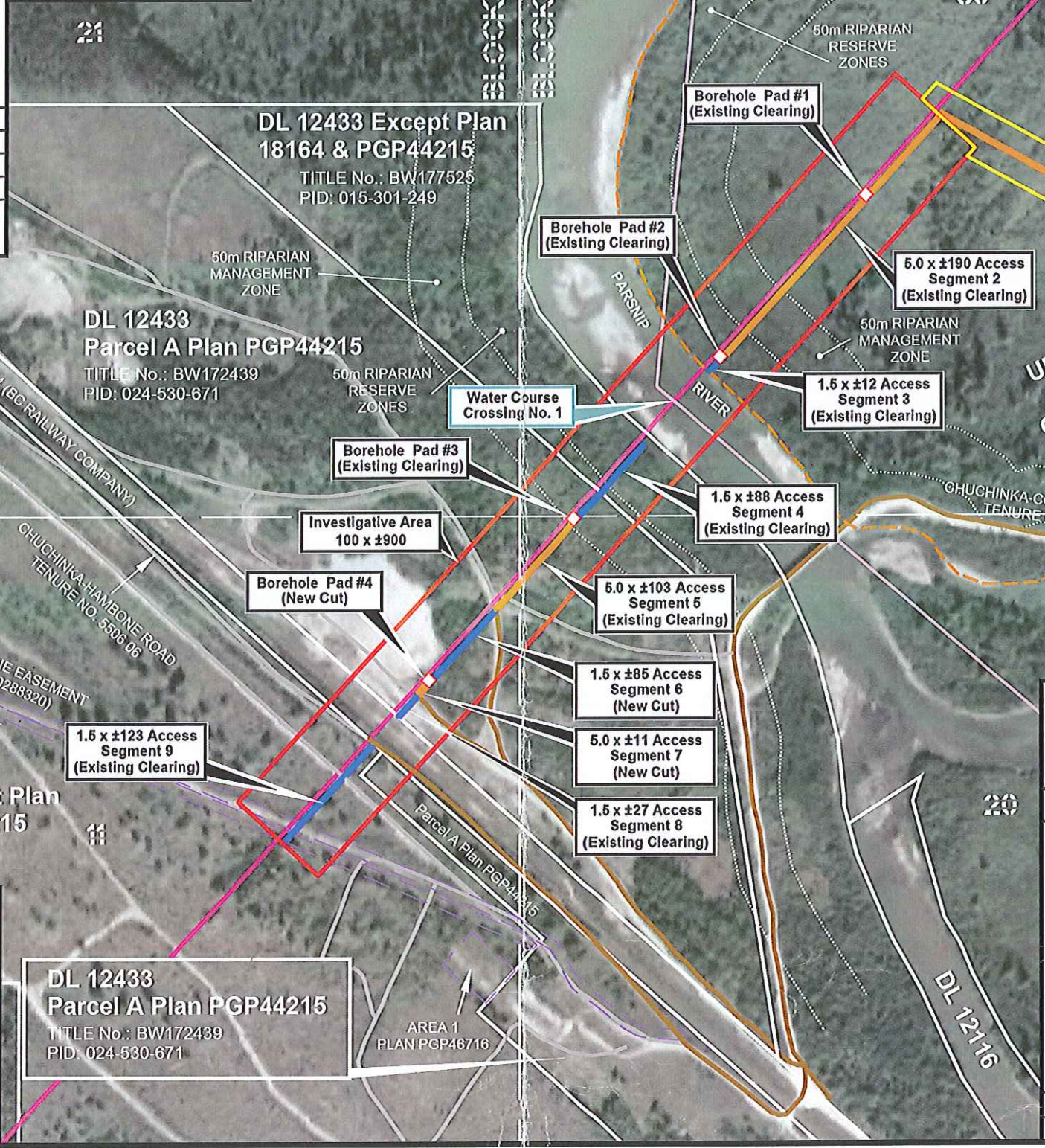
Tree Farm License: None

Ungulate Winter Ranges: None

Wildlife Habitat Area: None

Wildlife Tree Retention Area: No

Wood Lot: None



**TABLE OF AREAS REQUIRED (CROWN LANDS)**

Proposed Feature:	New Cut	Existing Clearing	Total	Northing	Easting
Borehole Pad #1	0.000 ha	0.010 ha	0.010 ha	6069234	532387
Borehole Pad #2	0.000 ha	0.010 ha	0.010 ha	6069085	532253
1.5 Access	0.000 ha	0.002 ha	0.002 ha		
5.0 Access	0.046 ha	0.360 ha	0.406 ha		
Total Areas	0.046 ha	0.382 ha	0.428 ha		
Investigative Area Total Area = 3.97 ha.					
20.0m Access Buffer Total Area = 2.44 ha.					

TRAPPER 723T005

GUIDE 701148

RANGE TENURE NONE

COAL 328778

HART RANGES CARIBOU HERD

UNSURVEYED CROWN LAND

CHUCHINKA-COLBOURNE ROAD TENURE NO. 5506 04

CHUCHINKA TABLE FSR ROAD TENURE NO. 5506 08

COMMERCIAL RECREATION MULTIPLE USE (ILMB FILE 7406674)

**Coastal GasLink Pipeline Project**

**TransCanada**

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN  
GEOTECHNICAL INVESTIGATION PROGRAM  
PARNSHIP RIVER  
WITHIN 9637427  
Units 11 & 21, Block A, Group 93-J-16 And  
Units 20, 29 & 30  
Block D, Group 93-J-16  
CARIBOO DISTRICT

Route Reference: CGP\_Route\_RevB | November 27, 2012

Document No. CGE4703-MSI-G-MP-016-ParnshipR-BH-Sketch | Rev 1



**LEGEND:**

□

Proposed Borehole Pad

▭

Investigative Area Under OGC File No. 9637427

—

Coastal GasLink Proposed Route

—

Temporary 8.0 Trail

—

District Lot Boundary

—

Guide/Outfitter

—

Railway

—

Windpower Permit, Map Reserve, Notation of Interest

—

Riparian Zone

—

Caribou Range

—

Existing Temporary Crown Land Disturbance Footprint OGC File No. 9637427

—

Hydrology (TRIM Data)

—

Existing Access

**NOTES:**

- The proposed project is not within the Agricultural Land Reserve (ALR).
- Project to be flagged at time of construction.
- UTM Coordinates shown are NAD83 Zone 10 N.
- The proposed project is within the South West OGC Zone.
- Distances shown are in meters and decimals thereof.

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Tel: 250-785-3902  
IB-0015-12

EPASS # 10046239 & 10040562 (OGC FILE No. 9637427)

BCGS: 93J.078

REVISION	DESCRIPTION
2	Update Tables, April 24, 2014

SCALE 1:5,000

METERS

Caribou Range: Hart Herd
Coal License: None
Community Forest: None
Guide / Outfitter: 701164
Mineral Reserve: 328778 / 330209
Mineral Interest: None
Range Tenure: None
Trapper: 723T005
Tree Farm License: None
Ungulate Winter Ranges: None
Wildlife Habitat Area: None
Wildlife Tree Retention Area: No
Wood Lot: None

TEMPORARY TRAIL SEGMENTS				
Segment No.	Begin		End	
	Northing	Eastings	Northing	Eastings
1	6069140	532312	6069167	532283
2	6068899	532032	6069015	532136

Table of Areas (Crown Lands): Construction Footprint  
Proposed New Activity Within Existing OGC FILE No. 9637427

Proposed Feature:	Permitted Area	Proposed Amended Area	Total Area
Borehole Pads	0.020 ha	0.023 ha	0.043 ha
Temporary Trail	0.408 ha	0.020 ha	0.428 ha
Total Areas (Footprint)	0.428 ha	0.043 ha	0.471 ha
Total Areas (Investigative Area)	3.97 ha	0.00 ha	3.97 ha

Table of Areas (Crown Lands): New Cut  
Proposed New Activity Within Existing OGC FILE No. 9637427

Proposed Feature:	Permitted Area	Proposed Amended Area	Total Area
Borehole Pads	0.000 ha	0.000 ha	0.000 ha
Temporary Trail	0.046 ha	0.000 ha	0.046 ha
Total Areas (Footprint)	0.428 ha	0.000 ha	0.428 ha



**Coastal GasLink**  
Pipeline Project

**TransCanada**  
In business to deliver

COASTAL GASLINK PIPELINE LTD.

AMENDMENT TO OGC FILE No. 9637427  
SKETCH PLAN

**POTENTIAL DIRECT PIPE MICROTUNNEL  
GEOTECHNICAL INVESTIGATION PROGRAM  
PARSNIP RIVER**

WITHIN

**Units 11 & 21, Block A, Group 93-J-16 And  
Units 20,29 & 30  
Block D, Group 93-J-16**

CARIBOO DISTRICT

Route Reference: CGP\_Route\_RevD  
Document No. CGE4703-MSI-G-MP-203-ParsnipR-MicroT-BH-Sketch

April 24, 2014  
Rev 2