

OGC File: 9637419

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, Peace River District  
within units 6, 15, 16, 17 and 18, block G, 93-P-11.

Date of Issuance: March 6, 2013  
Commission File No: 9637419  
Applicant File No: 1210496

## PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9637419, 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-011-MurrayR-BH-Sketch, Revision 1, dated November 27, 2012 as submitted to the Commission in the permit application dated November 29, 2012 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 939776, 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 those terms are defined in the *Oil and Gas Activities Act*.
2. The total disturbance within the Site must not exceed 0.522Ha.
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 48 hours prior to commencing activities under this permit.
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 M02340, Peace River 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 573.
4. The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
5. Stumpage under this cutting permit is required to be paid to the Crown and will be determined using the area reserve stumpage rate and will be calculated based on the new Crown land area disturbed within the Site. The amount will be determined upon submission of the final as-cleared plans to the Commission and in accordance with the Ministry of Forests Interior Appraisal Manual.
6. 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.
7. 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."
8. The utilization of merchantable timber, as defined in the Provincial Logging and Waste Measurements Procedures Manual, is not mandatory for this permit.
9. Prior to harvesting, any clearing authorized by this Cutting Permit must be clearly defined on the ground by ribboning or blazing.
10. This permit authorizes a maximum total new cut area of 0.522Ha 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 location of the Murray River on Crown land is located at UTM location N. 6162400 E. 613640.
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 only authorizes operations on Crown land.
2. The disturbance of topsoil within the project area is not authorized. If any soil disturbance takes place during field operations, the impacted area must be reclaimed reflect soil conditions of the surrounding area.
3. 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.
4. In consideration of the Sauteau 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.
5. 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 – Peace River

pc: Kelly Lake Cree Nation, Kelly Lake First Nation, Kelly Lake Metis Settlement Society, McLeod Lake Indian Band, West Moberly First Nation, and Sauteau First Nation



Water Course Crossings	Crossing	
	Northing	Easting
1	6162400	613640
2	6162793	612444

DL 1800  
TITLE No.: PP11235  
PID: 004-066-588

TRAPPER  
721T014  
GUIDE  
701245  
RANGE  
TENURE  
RAN073455

Block G  
GROUP 93-P-11

COMMERCIAL  
RECREATION LICENCE  
(LOISELLE INVESTMENTS LTD.)  
(ILMB FILE 8003270)

TRAPPER  
721T013  
GUIDE  
701255  
RANGE  
TENURE  
RAN075498

RESERVE/NOTATION  
AGRICULTURE/GRAZING  
(ILMB FILE 8001843)

Slope Indicator  
Required  
Borehole Pad #4  
(Existing Clearing)

Investigative Area  
100 x ±2500

Slope Indicator  
Required  
Borehole Pad #5  
(Existing Clearing)

1.5 x ±218 Access  
Segment 8  
(Existing Clearing)

5.0 x ±681 Access  
Segment 7  
(Partial New Cut)

ACCESS SEGMENTS

Segment No.	Begin		End	
	Northing	Easting	Northing	Easting
1	6162226	614889	6162254	614696
2	6162257	614687	6162338	614129
3	6162337	614119	6162363	613938
4	6161897	613703	6162103	614023
5	6162367	613928	6162400	613695
6	6162454	613323	6162417	613579
7	6162453	613312	6162542	612639
8	6162542	612629	6162508	612413

1.5 x ±255 Access  
Segment 6  
(Partial New Cut)

MAP RESERVE  
ENVIRONMENT, CONSERVATION, & RECR  
(ILMB FILE 8003544)

50m RIPARIAN  
RESERVE ZONES

Water Course  
Crossing No. 1

50m RIPARIAN  
MANAGEMENT  
ZONE

Borehole Pad #3  
(Existing Clearing)

1.5 x ±236 Access  
Segment 5  
(Partial New Cut)

Borehole Pad #2  
(Existing Clearing)

AGRICULTURAL  
LAND RESERVE

Borehole Pad #1  
(Existing Clearing)

5.0 x ±183 Access  
Segment 3  
(Existing Clearing)

1.5 x ±563 Access  
Segment 2  
(Partial New Cut)

5.0 x ±195 Access  
Segment 1  
(Existing Clearing)

MAP RESERVE  
ENVIRONMENT, CONSERVATION, & RECR  
(ILMB FILE 8003544)

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	6162248	614691
Borehole Pad #2	0.000 ha	0.010 ha	0.010 ha	6162330	614123
Borehole Pad #3	0.000 ha	0.010 ha	0.010 ha	6162358	613932
Borehole Pad #4	0.000 ha	0.010 ha	0.010 ha	6162446	613317
1.5 Access	0.080 ha	0.042 ha	0.122 ha		
5.0 Access	0.020 ha	0.340 ha	0.360 ha		
Total Areas	0.100 ha	0.422 ha	0.522 ha		
Investigative Area Total Area = 16.05 ha.					

LEGEND:

Proposed 10 x 10 Borehole Pad	Windpower Permit, Map Reserve, Notation of Interest
Investigative Area	Range Tenure
Coastal GasLink Study Corridor Centerline	Guide/Outfilter
1.5 Access	Trapper Boundary
5.0 Access	Aggricultural Land Reserve
Existing Access	Riparian Zone
District Lot Boundary	Forest Cut Block
20.0 Access Buffer	Wildlife Tree Retention
	Water Course Crossing

NOTES:

- The Proposed project is partially 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.

EPASS # 10040565

BCGS: 93P.054 & 93P.055 Data sets sourced on this map are defined in the CGP Data Matrix

REVISION	DESCRIPTION
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1 Updated Title Block, November 27, 2012

SCALE 1:7,500

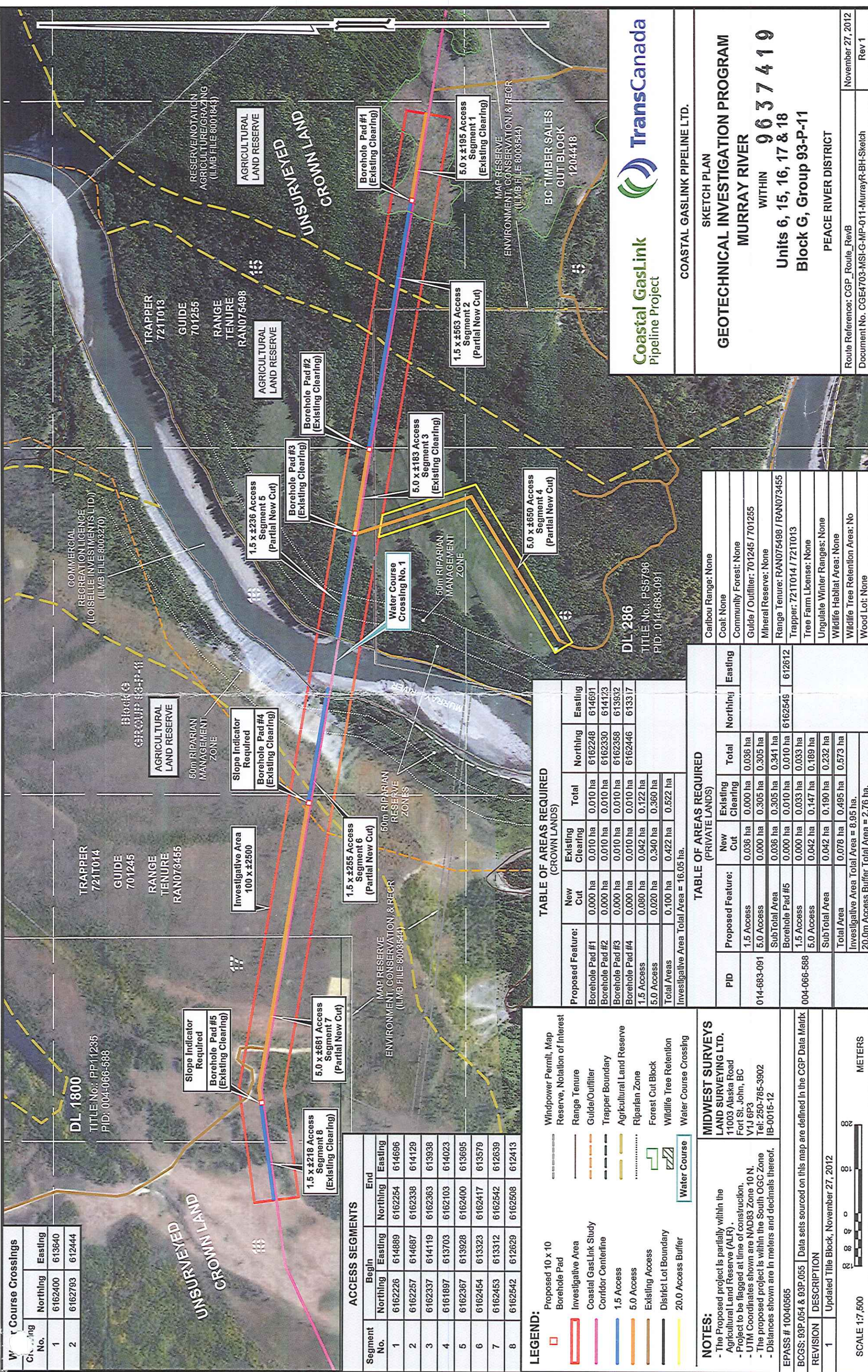
METERS

TABLE OF AREAS REQUIRED  
(PRIVATE LANDS)

PID	Proposed Feature:	New Cut	Existing Clearing	Total	Northing	Easting
014-683-091	1.5 Access	0.036 ha	0.000 ha	0.036 ha		
	5.0 Access	0.000 ha	0.305 ha	0.305 ha		
	SubTotal Area	0.036 ha	0.305 ha	0.341 ha		
004-066-588	Borehole Pad #5	0.000 ha	0.010 ha	0.010 ha	6162549	612612
	1.5 Access	0.000 ha	0.033 ha	0.033 ha		
	5.0 Access	0.042 ha	0.147 ha	0.189 ha		
	SubTotal Area	0.042 ha	0.190 ha	0.232 ha		
	Total Area	0.078 ha	0.495 ha	0.573 ha		
	Investigative Area Total Area = 8.95 ha.					
	20.0m Access Buffer Total Area = 2.76 ha.					

Caribou Range: None

Coal: None
Community Forest: None
Guide / Outfilter: 701245 / 701255
Mineral Reserve: None
Range Tenure: RAN075498 / RAN073455
Trapper: 721T014 / 721T013
Tree Farm License: None
Ungulate Winter Ranges: None
Wildlife Habitat Area: None
Wildlife Tree Retention Area: No
Wood Lot: None



Coastal GasLink  
Pipeline Project

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM

MURRAY RIVER

WITHIN 9637419

Units 6, 15, 16, 17 & 18

Block G, Group 93-P-11

PEACE RIVER DISTRICT

Route Reference: CGP_Route_RevB	November 27, 2012
Document No. CGE4703-MSI-G-MP-011-MurrayR-BH-Sketch	Rev 1