

June 13, 2017

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

Attention: Coastal GasLink Pipeline Ltd.

**RE: Permit Extension for Application Determination Number 100082376, OGC Legacy # 9641260**

**Permit Holder:** Coastal GasLink Pipeline Ltd.  
**Permit Date of Issuance:** June 15, 2015  
**Extension Date of Issuance:** June 13, 2017  
**Extended Expiration Date:** June 15, 2019  
**Application Determination No.:** 100082376

## **PERMISSIONS**

1. The BC Oil and Gas Commission (the Commission) hereby amends the permit as follows:
  - a) The permit expiry date is changed from June 15, 2017 to June 15, 2019.
2. This permit extension is subject to the original permit, authorizations, subsequent amendments and any additional conditions as set out herein .

### **Petroleum and Natural Gas Act**

3. Pursuant to Section 138(1) of the Petroleum and Natural Gas Act, the Permit Holder is authorized to enter, occupy and use any unoccupied Crown land located within the operating area to carry out the oil and gas activity and related activities authorized under this permit.

## **CONDITIONS**

4. The rights granted by this authorization are subject to all subsisting grants to or rights of any person made or acquired under the *Coal Act, Forest Act, Land Act, Mineral Tenure Act, Petroleum and Natural Gas Act, Range Act, Water Sustainability Act* or *Wildlife Act*, or any extension or renewal of the same.
5. The Permit Holder must not assign or sublicense this permit or permit any person to use or occupy the land, other than its employees, contractors, or representatives, without the Commission's written consent.
6. The Permit Holder must ensure that the area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
7. The Permit Holder must ensure that the area is free of garbage, debris and unused equipment.

Application Determination number: 100082376

## **ADVISORY GUIDANCE**

1. Appropriate *Land Act* tenure will be issued upon acceptance of the post-construction plan. Submission of the original application and submission of the post-construction plan is considered application for all subsequent *Land Act* tenures; no further applications for replacement tenure is required.
2. On September 21, 2015, section 14 of the *Land Act* was repealed. Accordingly, the section 14 *Land Act* authorization originally granted to enter, occupy and use any unoccupied Crown land for the purposes of carrying out this oil and gas activity is now authorized under section 138(1) of the *Petroleum and Natural Gas Act*, and the original authorization will be cancelled.
3. The term “unused equipment” has the same definition as in the Drilling and Production Regulation.

This extension forms an integral part of the permit and should be attached thereto.



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Tarilee Rauscher  
Authorized Signatory  
Commission Delegated Decision Maker

pc:

Land Agent – Roy Northern Land and Environmental



Commission File No: 9641260

June 15, 2015

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, Range 5 Coast District within Units 49, 50, 59, 60 and 70, Block A, Group 103-I-1; Unit 85, Block G, Group 103-I-1; Unit 24, Block J, Group 103-I-1 and Unit 35, Block J, Group 103-I-1.

Date of Issuance: June 15, 2015  
Commission File No: 9641260  
Applicant File No: 130473 (Kalum Borrow Pits- Batch 2)

## PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9641260, 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 test pit/borehole pad and temporary trails in the attached sketch plan Document No:

CGW4703-MCSL-G-MP-186-001-Geotech_Borrow_Kalum_Sketch-WP32A-Rev1, Page 1 of 4, Revision 1, dated August 13, 2014
CGW4703-MCSL-G-MP-186-002-Geotech_Borrow_Kalum_Sketch_PBS09-Rev1, Page 2 of 4, Revision 1, dated August 13, 2014
CGW4703-MCSL-G-MP-186-003-Geotech_Borrow_Kalum_Sketch_PBS02-Rev1, Page 3 of 4, Revision 1, dated August 13, 2014
CGW4703-MCSL-G-MP-186-004-Geotech_Borrow_Kalum_Sketch_PBS01-Rev1, Page 4 of 4, Revision 1, dated August 13, 2014

as submitted to the Commission in the permit application dated October 29, 2014 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 946705, 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 10.453 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 48 hours prior to commencing construction. Notification must be sent to [C&E@bcogc.ca](mailto:C&E@bcogc.ca).
13. An Archaeological Impact Assessment (AIA) is required for the proposed development area prior to any development activities taking place.

An AIA report must be submitted to the Commission and the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations as soon as practicable.

If artifacts, features, 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 issued by the Commission 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 Commission and the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations
  - 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 and approved by the Commission.
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

1. The Commission hereby issues the Permit holder Cutting Permit No. 5 under Master Licence to Cut number M02344, subject to the following conditions:
  - a. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
  - b. This Cutting Permit applies to only the Crown land portion shown on survey plan associated with this Permit.

CGW4703-MCSL-G-MP-186-001-Geotech_Borrow_Kalum_Sketch-WP32A-Rev1, Page 1 of 4, Revision 1, dated August 13, 2014
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CGW4703-MCSL-G-MP-186-002-Geotech_Borrow_Kalum_Sketch_PBS09-Rev1, Page 2 of 4, Revision 1, dated August 13, 2014
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CGW4703-MCSL-G-MP-186-003-Geotech_Borrow_Kalum_Sketch_PBS02-Rev1, Page 3 of 4, Revision 1, dated August 13, 2014
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CGW4703-MCSL-G-MP-186-004-Geotech_Borrow_Kalum_Sketch_PBS01-Rev1, Page 4 of 4, Revision 1, dated August 13, 2014
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- c. All harvested Crown timber must be marked with Timber Mark Number MTB 126.
- d. This Cutting Permit is deemed spent upon the submission of the "Post-Construction Plan" or upon either the cancellation or the expiry of the "permitted oil and gas activity".
- e. This Cutting Permit does not grant the Permit Holder the exclusive right to harvest timber from the License area and the Commission reserves the right to grant rights to other persons to harvest timber from the License area.
- f. The felling, bucking and utilization specifications as described in Appendix A of your Master License to Cut applies to this Cutting Permit.
- g. Stumpage for this Cutting Permit will be calculated in accordance with the Coast Appraisal Manual (volume based)
- h. 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.

- i. Where the Permit Holder is aware of overlapping forest tenure rights that have been granted to other persons, the Permit Holder is obligated to communicate to these persons the timing and extent of their harvest operations at least two weeks prior to commencement of harvest and take all reasonable steps to coordinate their activities with these persons.
  - j. 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".
2. This permit authorizes a maximum total new cut area of 10.453 ha within the investigative area.

#### **ADDITIONAL CONDITIONS**

1. The permit holder must notify Haisla Nation prior to commencement of activities.
2. The permit holder must notify Kitselas First Nation prior to commencement of activities.
3. The permit holder must not undertake construction or significant maintenance activities within 1000 metres of UWR U-6-001 between October 31 and June 15.
4. When using aircraft to undertake activities associated with the permit, the permit holder must provide written instructions to the pilot specifying that flights must not, except in the event of an emergency situation, occur within 2000 metres horizontal distance of UWR U-6-001 between October 15 and June 15 except where there is no line of sight.
5. No borehole pads or temporary trails are to be located within the Riparian Management Area of any watercourse, wetland or lake.

#### **ADVISORY GUIDANCE**

1. Kitselas First Nation has requested the permit holder notify the Kitselas First Nation Lands and Resource Department 7 days prior to commencement of activities and provide a schedule of work to be conducted.
2. Haisla Nation Council has requested that the permit holder share the results of the geotechnical investigation with the Haisla Nation Council.
3. Kitselas First Nation requests that the permit holder notify Kitselas First Nation of any spills or environmental incidents that occur during the proposed works.
4. Kitselas First Nation requests that upon discovery of any archaeological sites, the permit holder will notify Kitselas First Nation.
5. Kitselas First Nation requests that the permit holder provide copies of reports to Kitselas First Nation upon completion of documents.
6. Kitselas First Nation has requested that the permit holder provide an opportunity for Kitselas First Nation environmental monitor and/or representatives to participate in permitted field work.

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



Justin Anderson  
Natural Resource Officer

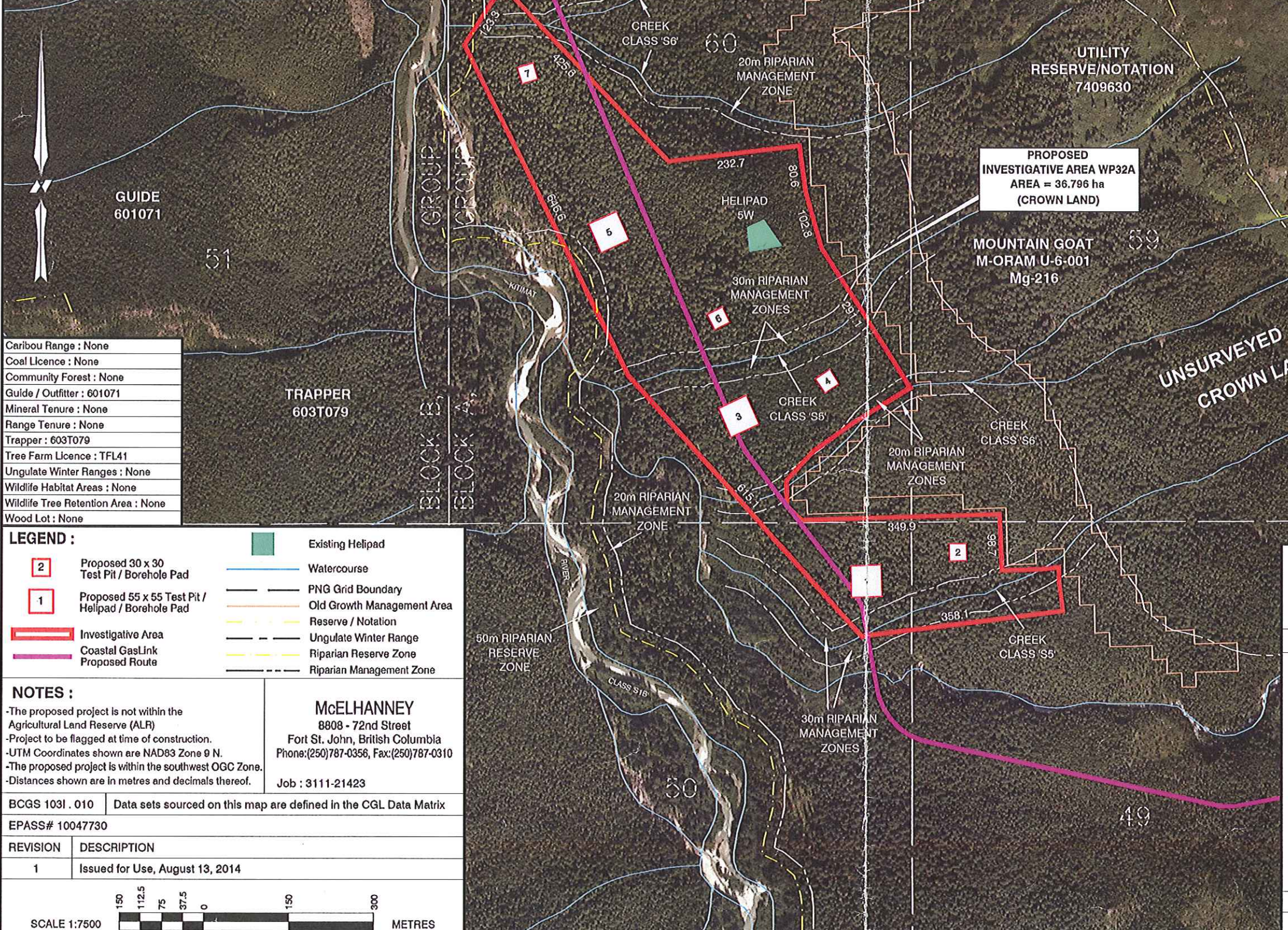
pc: Hasila Nation  
pc: Kitselas First Nation  
pc: Roy Northern Land Service Ltd.





PROPOSED BORROW PIT WP32A TEST PIT/ BOREHOLE PAD LOCATIONS			
ID	NORTHING	EASTING	AREA
1	5988398.8	557925.5	0.303 ha
2	5988451.1	558087.0	0.090 ha
3	5988684.9	557696.4	0.303 ha
4	5988747.6	557852.5	0.090 ha
5	5989004.6	557464.1	0.303 ha
6	5988855.4	557658.6	0.090 ha
7	5989280.6	557317.2	0.090 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			1.269 ha

TABLE OF TOTAL AREAS REQUIRED - KALUM FOREST DISTRICT (CROWN LAND)			
Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD	2.079 ha	0.000 ha	2.079 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	8.374 ha	0.000 ha	8.374 ha
TOTAL PROPOSED FOOTPRINT AREA	10.453 ha	0.000 ha	10.453 ha
TOTAL CROWN LAND DISTURBANCE = 10.453 ha			
INVESTIGATIVE AREAS TOTAL AREA = 44.557 ha			



**\*NOTE\***

**PROPOSED BORROW PIT WP32A**

Proposed 36.796 ha Investigative Area to contain approximately 7 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :

Test Pits/ Borehole pads	= 1.269 ha
Temp. Trail	= 7.029 ha
<b>Total</b>	<b>= 8.298 ha</b>

A Post Construction Plan and As Cleared Plan will be issued to show final locations and clearing.

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 601071
Mineral Tenure : None
Range Tenure : None
Trapper : 603T079
Tree Farm Licence : TFL41
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None

LEGEND :	
	Existing Helipad
	Watercourse
	Proposed 30 x 30 Test Pit / Borehole Pad
	Proposed 55 x 55 Test Pit / Helipad / Borehole Pad
	Investigative Area
	Coastal GasLink Proposed Route
	PNG Grid Boundary
	Old Growth Management Area
	Reserve / Notation
	Ungulate Winter Range
	Riparian Reserve Zone
	Riparian Management Zone

**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 9 N.
- The proposed project is within the southwest OGC Zone.
- Distances shown are in metres and decimals thereof.

**McELHANNEY**  
8808 - 72nd Street  
Fort St. John, British Columbia  
Phone:(250)787-0356, Fax:(250)787-0310  
Job : 3111-21423

BCGS 1031 . 010	Data sets sourced on this map are defined in the CGL Data Matrix
EPASS# 10047730	
REVISION	DESCRIPTION
1	Issued for Use, August 13, 2014
SCALE 1:7500	



COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

**GEOTECHNICAL INVESTIGATION PROGRAM**  
**KALUM FOREST DISTRICT**  
**BORROW PIT WP32A**

WITHIN

**UNITS 49, 50, 59, 60 AND 70 BLOCK A, GROUP 103-I-1**

RANGE 5 COAST DISTRICT

Route Reference: RevE1

Document No. CGW4703-MCSL-G-MP-186-001-Geotech\_Borrow\_Kalum\_Sketch-WP32A-Rev1

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**LEGEND :**

- 2 Proposed 30 x 30 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- Cutblock/Opening Areas
- Watercourse
- Road
- PNG Grid Boundary
- 20m Riparian Management Zone

**NOTES :**

- The proposed project is not within the Agricultural Land Reserve (ALR)
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- The proposed project is within the Southwest OGC Zone.
- Distances shown are in metres and decimals thereof.

**McELHANNEY**  
 8808 - 72nd Street  
 Fort St. John, British Columbia  
 Phone:(250)787-0356, Fax:(250)787-0310  
 Job : 3111-21423

Caribou Range : None  
 Coal Licence : None  
 Community Forest : None  
 Guide / Outfitter : 601071  
 Mineral Tenure : None  
 Range Tenure : None  
 Trapper : 603T079  
 Tree Farm Licence : TFL41  
 Ungulate Winter Ranges : None  
 Wildlife Habitat Areas : None  
 Wildlife Tree Retention Area : None  
 Wood Lot : None

PROPOSED BORROW PIT PBS 09 TEST PIT/ BOREHOLE PAD LOCATIONS			
ID	NORTHING	EASTING	AREA
1	6000868.7	553551.1	0.090 ha
2	6000768.8	553498.6	0.090 ha
3	6000690.7	553474.2	0.090 ha
4	6000586.4	553478.3	0.090 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.360 ha

**\*NOTE\***

**PROPOSED BORROW PIT PBS 09**

Proposed 4.101 ha Investigative Area to contain Approximately 4 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :

Test Pits/ Borehole pads = 0.360 ha  
 Temp. Trails = 0.490 ha  
 Total = 0.850 ha

A Post Construction Plan and As Cleared Plan will be issued to show final locations and clearing.

BCGS 1031 . 020 Data sets sourced on this map are defined in the CGL Data Matrix

EPASS# 10047730

REVISION	DESCRIPTION
1	Issued for Use, August 13, 2014

SCALE 1:2500

METRES

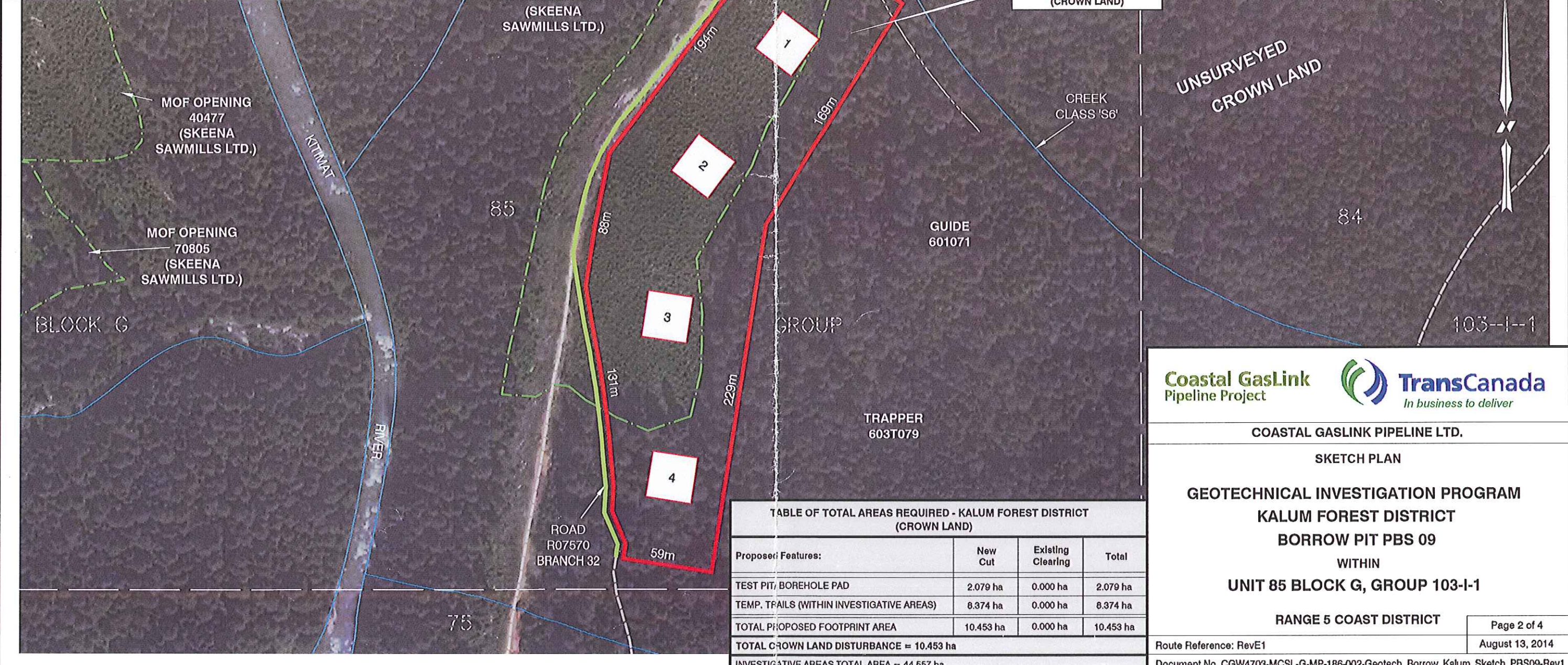


TABLE OF TOTAL AREAS REQUIRED - KALUM FOREST DISTRICT (CROWN LAND)			
Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD	2.079 ha	0.000 ha	2.079 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	8.374 ha	0.000 ha	8.374 ha
<b>TOTAL PROPOSED FOOTPRINT AREA</b>	<b>10.453 ha</b>	<b>0.000 ha</b>	<b>10.453 ha</b>
<b>TOTAL CROWN LAND DISTURBANCE = 10.453 ha</b>			
<b>INVESTIGATIVE AREAS TOTAL AREA = 44.557 ha</b>			

**Coastal GasLink Pipeline Project** **TransCanada**  
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SKETCH PLAN

**GEOTECHNICAL INVESTIGATION PROGRAM**  
**KALUM FOREST DISTRICT**  
**BORROW PIT PBS 09**  
 WITHIN  
**UNIT 85 BLOCK G, GROUP 103-I-1**  
 RANGE 5 COAST DISTRICT

Page 2 of 4  
 Route Reference: RevE1  
 August 13, 2014  
 Document No. CGW4703-MCSL-G-MP-186-002-Geotech\_Borrow\_Kalum\_Sketch\_PBS09-Rev1

9641260

**LEGEND :**

- 1 Proposed 30 x 30 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- PNG Grid Boundary
- Road
- Old Growth Management Area
- Cutblock/Opening

**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 9 N.
- The proposed project is within the southwest OGC Zone.
- Distances shown are in metres and decimals thereof.

**McELHANNEY**  
 8808 - 72nd Street  
 Fort St. John, British Columbia  
 Phone:(250)787-0356, Fax:(250)787-0310  
 Job : 3111-21422

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EPASS# 10047730

REVISION	DESCRIPTION
1	Issued for Use, August 13, 2014



- Caribou Range : None
- Coal Licence : None
- Community Forest : None
- Guide / Outfitter : 601071
- Mineral Tenure : None
- Range Tenure : None
- Trapper : 603T079
- Tree Farm Licence : TFL41
- Ungulate Winter Ranges : None
- Wildlife Habitat Areas : None
- Wildlife Tree Retention Area : None
- Wood Lot : None

BLOCK J,  
25

OLD GROWTH  
MANAGEMENT  
AREA 9379

TREE FARM  
LICENCE TFL41  
(SKEENA  
SAWMILLS LTD.)

GUIDE  
601071

TRAPPER  
603T079

UNSURVEYED  
CROWN LAND

MOF OPENING  
57551  
(SKEENA  
SAWMILLS LTD.)

PROPOSED  
INVESTIGATIVE AREA PBS 02  
AREA = 0.785 ha  
(CROWN LAND)

GROUP

103-I-1

SKEENA SAWMILLS LTD.  
NORTH KITIMAT M/L  
R07570 A 0

**\*NOTE\***

**PROPOSED BORROW PIT PBS 02**

Proposed 0.785 ha Investigative Area to contain approximately 1 Test Pit/ Borehole Pad and temporary trails.

New Cut areas required within Investigative Area :

Test Pits/	
Borehole pads	= 0.090 ha
Temp. Trails	= 0.048 ha
<b>Total</b>	<b>= 0.138 ha</b>

A Post Construction Plan and As Cleared Plan will be issued to show final locations and clearing.

**Coastal GasLink**  
Pipeline Project



COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

**GEOTECHNICAL INVESTIGATION PROGRAM**

**KALUM FOREST DISTRICT**

**BORROW PIT PBS 02**

WITHIN

**UNIT 24 BLOCK J, GROUP 103-I-1**

RANGE 5 COAST DISTRICT

Page 3 of 4

Route Reference: RevE1

August 13, 2014

Document No. CGW4703-MCSL-G-MP-186-003-Geotech\_Borrow\_Kalum\_Sketch\_PBS02-Rev1

**PROPOSED BORROW PIT PBS 02  
TEST PIT/ BOREHOLE PAD LOCATIONS**

ID	NORTHING	EASTING	AREA
1	6004571.4	553894.3	0.090 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.090 ha

**TABLE OF TOTAL AREAS REQUIRED - KALUM FOREST DISTRICT  
(CROWN LAND)**

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD	2.079 ha	0.000 ha	2.079 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	8.374 ha	0.000 ha	8.374 ha
<b>TOTAL PROPOSED FOOTPRINT AREA</b>	<b>10.453 ha</b>	<b>0.000 ha</b>	<b>10.453 ha</b>

**TOTAL CROWN LAND DISTURBANCE = 10.453 ha**

INVESTIGATIVE AREAS TOTAL AREA = 44.557 ha

9641260

**LEGEND :**

	Proposed 30 x 30 Test Pit / Borehole Pad		Watercourse
	Investigative Area		Road
	Cutblock/Opening Areas		Existing Access
	PNG Grid Boundary		Old Growth Management Area
			Riparian Reserve Zone
			Riparian Management Zone

**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 9 N.
- The proposed project is within the Southwest OGC Zone.
- Distances shown are in metres and decimals thereof.

**McELHANNEY**  
8808 - 72nd Street  
Fort St. John, British Columbia  
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Job : 3111-21423

BCGS 1031 . 020 Data sets sourced on this map are defined in the CGL Data Matrix

EPASS# 10047730

REVISION	DESCRIPTION
1	Issued for Use, August 13, 2014

SCALE 1:2500 METRES

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 601071
Mineral Tenure : None
Range Tenure : None
Trapper : 603T079
Tree Farm Licence : TFL41
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None

**\*NOTE\***

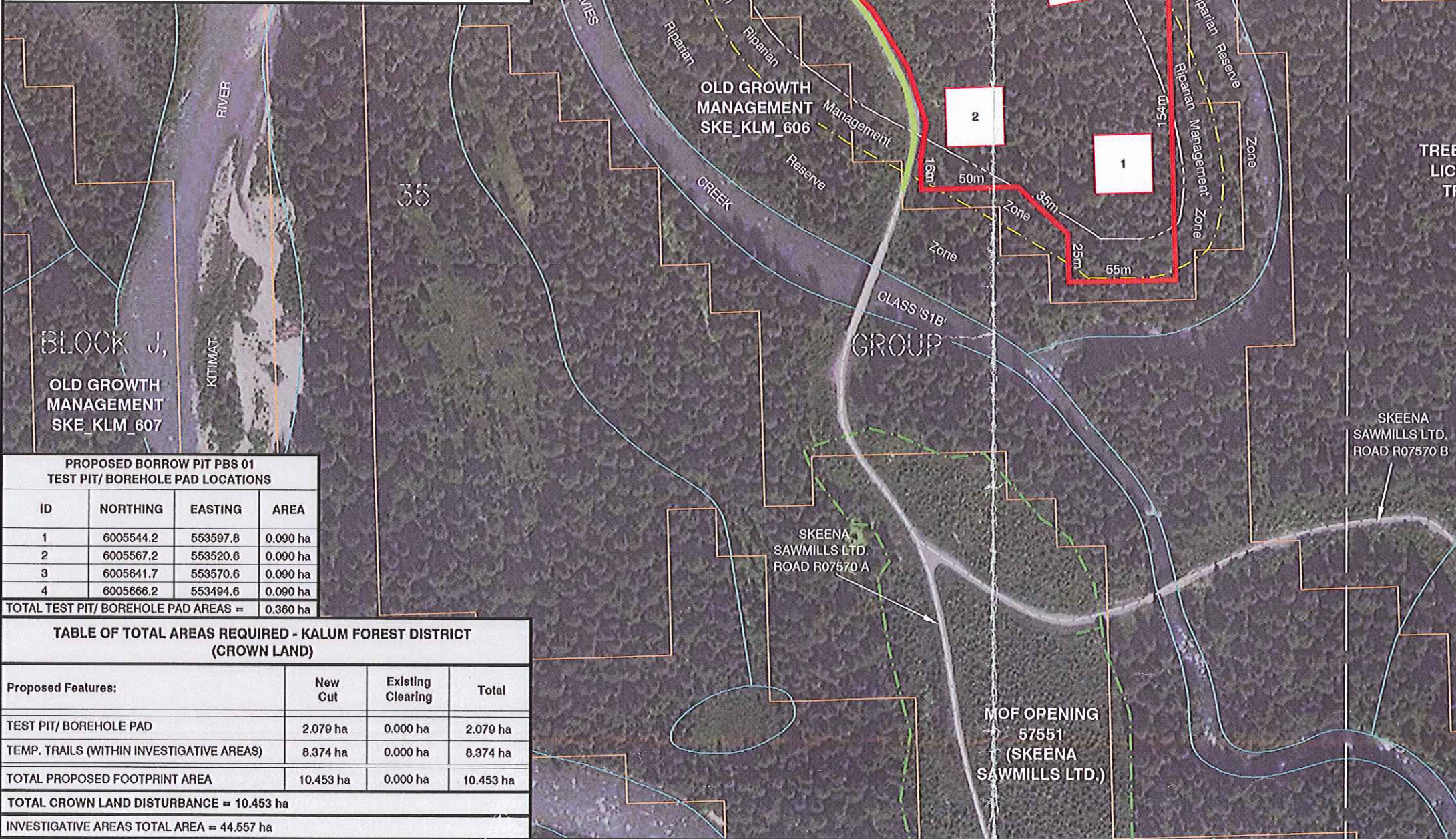
**PROPOSED BORROW PIT PBS 01**

Proposed 2.875 ha Investigative Area to contain approximately 4 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :

Test Pits/ Borehole pads	= 0.360 ha
Temp. Trails	= 0.807 ha
<b>Total</b>	<b>= 1.167 ha</b>

A Post Construction Plan and As-Cleared Plan will be issued to show final locations and clearing.



**PROPOSED BORROW PIT PBS 01 TEST PIT/ BOREHOLE PAD LOCATIONS**

ID	NORTHING	EASTING	AREA
1	6005544.2	553597.8	0.090 ha
2	6005567.2	553520.6	0.090 ha
3	6005641.7	553570.6	0.090 ha
4	6005668.2	553494.6	0.090 ha
<b>TOTAL TEST PIT/ BOREHOLE PAD AREAS =</b>			<b>0.360 ha</b>

**TABLE OF TOTAL AREAS REQUIRED - KALUM FOREST DISTRICT (CROWN LAND)**

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD	2.079 ha	0.000 ha	2.079 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	8.374 ha	0.000 ha	8.374 ha
<b>TOTAL PROPOSED FOOTPRINT AREA</b>	<b>10.453 ha</b>	<b>0.000 ha</b>	<b>10.453 ha</b>
<b>TOTAL CROWN LAND DISTURBANCE =</b>	<b>10.453 ha</b>		
<b>INVESTIGATIVE AREAS TOTAL AREA =</b>	<b>44.557 ha</b>		

**Coastal GasLink Pipeline Project** **TransCanada**  
*In business to deliver*

**COASTAL GASLINK PIPELINE LTD.**

**SKETCH PLAN**

**GEOTECHNICAL INVESTIGATION PROGRAM**

**KALUM FOREST DISTRICT**

**BORROW PIT PBS 01**

**WITHIN**

**UNIT 35 BLOCK J, GROUP 103-I-1**

**RANGE 5 COAST DISTRICT**

Route Reference: RevE1  
Document No. CGW4703-MCSL-G-MP-186-004-Geotech\_Borrow\_Kalum\_Sketch\_PBS01-Rev1

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August 13, 2014

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