

July 28, 2022

Coastal GasLink Pipeline Ltd.  
450 - 1st Street SW  
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

**RE: Determination of Application Number 100116299**

**Permit Holder:** Coastal GasLink Pipeline Ltd.  
**Date of Issuance:** July 28, 2022  
**Effective Date:** July 28, 2022  
**Application Submission Date:** July 19, 2022  
**Application Determination Number:** 100077396

## **AUTHORIZATIONS and CONDITIONS**

### **AUTHORIZATIONS**

#### **Forest Act**

1. The Commission, pursuant to section 47.4 of the *Forest Act*, hereby authorizes the removal of Crown timber from the activity area under the cutting permit(s) associated with the Master Licence(s) as follows:

**Master Licence to Cut No.:** M02617  
**Cutting Permit No.:** 25  
**Timber Mark No.:** MTD658  
**Total New Cut:** 1.12  
**Forest District:** (DKM) Coast Mountains Natural Resource District  
**Region:** Interior

2. The cutting permit(s) are deemed spent upon the submission of the post-construction plan or upon either the cancellation or expiry of the activities authorized under the permit.

### **CONDITIONS**

#### **Notification**

3. A notice of construction start must be submitted, as per the relevant Commission process at the time of submission, at least 48 hours prior to the commencement of activities under this permit.

#### **Clearing/Forest Act**

4. The permit holder is permitted to fell any trees located on Crown land within 1.5 tree lengths of the activity area that are considered to be a safety hazard according to Workers Compensation Act regulations and must be felled in order to eliminate the hazard. Trees or portions of these trees that can be accessed from the activity area without causing damage to standing timber may be harvested.
5. The holder of the cutting permit must pay to the government, stumpage and any waste billing determined in accordance with the terms of this authorization.

6. The authorized cutting permit does not grant the permit holder the exclusive right to harvest Crown timber from the activity area. Authority to harvest some or all of the timber may be granted to other persons. The permit holder's right to harvest timber applies to any timber found on the site at the time they undertake harvesting activities.
7. All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.
8. Any waste assessments applied under the Master Licence to Cut are subject to the merchantability specifications and monetary waste billing requirements in the Provincial Logging Residue and Waste Manual specific to the region associated with the Cutting Permit authorization.
9. Stumpage will be calculated in accordance with the Coast Appraisal Manual (volume based).

## **ADVISORY GUIDANCE**

1. Unless a condition or its context suggests otherwise, terms used in this approval have the same meaning as the Environmental Protection and Management Regulation under the Oil and Gas Activities Act.

All pages included in this permit and any attached documents form an integral part of this permit.



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Corey Scofield  
Authorized Signatory  
Commission Delegated Decision Maker

Copied to:

Land Agent – CWL Energy Management Ltd.  
Ministry of Forests District Office - (DKM) Coast Mountains Natural Resource District

July 30, 2018

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

Attention: Coastal GasLink Pipeline Ltd.

**RE: Permit Replacement for Application Determination Number 100077396, OGC Legacy #9637493**

**Permit Holder:** Coastal GasLink Pipeline Ltd.  
**Permit Date of Issuance:** July 31, 2016  
**Replacement Date of Issuance:** July 30, 2018  
**Replacement Expiration Date:** October 23, 2019  
**Application Determination No.:** 100077396

**GENERAL PERMISSIONS, AUTHORIZATIONS and CONDITIONS**

1. The BC Oil and Gas Commission (the "Commission"), hereby replaces the permit and any associated authorizations to construct and operate an ancillary oil and gas activity.
2. This permit replacement is subject to the conditions of the original permit, authorizations, subsequent amendments, corrections, and any additional conditions as set out herein.
3. The permit has been replaced and will expire on October 23, 2019.

**Petroleum and Natural Gas Act**

4. 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 associated oil and gas activity authorized under this permit.

**CONDITIONS**

5. 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.
6. 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.
7. 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.
8. The Permit Holder must ensure that the area is free of garbage, debris and unused equipment.

Permit Holder: Coastal GasLink Pipeline Ltd.

Application Submission Date: July 25, 2018

Application Determination number: 100077396

Date Issued: July 30, 2018



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Jacqueline Bourke  
Authorized Signatory  
Commission Delegated Decision Maker

pc: Land Agent – Roy Northern Land Service Ltd.  
OGC, Compliance and enforcement



Commission File: 9637493

July 28, 2016

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

Attention: Surface Land Administrator

Re: Correction of a HeliPad located within Units 61 and 86, Block B, Units 49 and 60, Block A, 103-I-1

The Oil and Gas Commission hereby corrects the Permit and Authorizations Associated with the Permit containing 0.99 hectares, as shown on construction plan

CGE4703-MCSL-G-MP-115-001—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013
CGE4703-MCSL-G-MP-115-002—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013
CGE4703-MCSL-G-MP-115-003—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013
CGE4703-MCSL-G-MP-115-004—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013

as follows:

- To replace Condition 2. To read:
  2. A notice of construction start must be submitted to the Commission a minimum of 48 hours prior to the commencement of activities under this permit. Notification must be sent via email [OGC.ExternalNotifications@bcogc.ca](mailto:OGC.ExternalNotifications@bcogc.ca).
- To replace condition 4 (3) to read:
  - (3) ensure re-vegetation of any exposed soil on the operating area including, where necessary, using seed or vegetative propagules of an ecologically suitable species that:
    - (a) promote the restoration of the wildlife habitat that existed on the area before the oil and gas activity was begun, and
    - (b) stabilize the soil if it is highly susceptible to erosion.

The permit holder must comply with all conditions in the original permission and any additional conditions as noted above.

This letter forms an integral part of your Permit and should be attached thereto.

A handwritten signature in dark ink, appearing to read 'Ashley Istead', with a large, sweeping flourish extending from the end of the name.

Ashley Istead  
Natural Resource Officer

cc: Roy Northern Land Service Ltd.  
OGC File: 9637493  
OGC First Nations (HN, KFN)



July 13, 2016

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

Attention: Katherine Sheriff

RE: Helipad within Units 61 and 86, Block B, Units 49 and 60, Block A, 103-I-1

Date of Issuance: July 31, 2016  
Commission No.: 9637493

## **AUTHORIZATIONS**

### ***Land Act***

1. The BC Oil and Gas Commission (the "Commission"), under section 39 of the *Land Act*, hereby authorizes Coastal GasLink Pipeline Ltd. (the "permit holder") to occupy and use the Crown land area identified in the attached construction plan number

CGE4703-MCSL-G-MP-115-001—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013
CGE4703-MCSL-G-MP-115-002—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013
CGE4703-MCSL-G-MP-115-003—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013
CGE4703-MCSL-G-MP-115-004—HeliSite KalumFD PC Sketch-Rev0, revision 0, dated July 17, 2013

(the "construction plan"), submitted to the Commission dated June 20, 2016 (hereinafter referenced together as the "operating area") to construct and operate a related activity for the purposes of carrying out oil and gas activities as defined in the *Oil and Gas Activities Act*, subject to the conditions set out below.

- (1) The total disturbance within the operating area must not exceed 0.99 ha.
- (2) A section 39 License of Occupation for the Crown land portion of this authorization is attached or will follow. The permit holder is subject to the conditions contained in the Licence of Occupation.
- (3) The authorization to occupy and use Crown land expires two years from the date of issuance, unless the Commission has received notice of construction start, or this permit is otherwise extended, suspended, cancelled, surrendered or declared spent.

## **CONDITIONS**

### **Notification:**

2. A notice of construction start must be submitted to the Commission a minimum of 48 hours prior to the commencement of activities under this permit. Notification must be sent via eSubmission.
3. Within 60 days of the completion of construction activities under this permit, the permit holder must submit to the Commission a post-construction plan as a shapefile and PDF plan accurately identifying the location of the total area actually disturbed under this permit. The shapefile and plan must be submitted via eSubmission.

**Environmental:**

4. Following completion of the activities authorized herein the permit holder must, as soon as practicable:
  - (1) decompact any soils compacted by the activity;
  - (2) if natural surface drainage pattern was altered by the carrying out of the activity, the permit holder must restore, to the extent practicable, to the drainage pattern and its condition before the alteration; and
  - (3) re-vegetate any exposed soil on the operating area using seed or vegetative propagules of an ecologically suitable species that:
    - (a) promote the restoration of the wildlife habitat that existed on the area before the oil and gas activity was begun, and
    - (b) stabilize the soil if it is highly susceptible to erosion.
5. Following completion of the activities authorized herein, any surface soils removed from the site must be redistributed so that the soil structure is restored, to the extent practicable, to its condition before the activity was begun.

**Clearing:**

6. The permit holder is authorized to fell any trees located on Crown land within 1.5 tree lengths of the operating area that are considered to be a safety hazard according to *Workers Compensation Act* regulations and must be felled in order to eliminate the hazard. Trees or portions of these trees that can be accessed from the operating area without causing damage to standing timber may be harvested.

**Archaeology:**

7. An Archaeological Impact Assessment 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 Oil and Gas Commission and all mitigation measures must be approved by OGC archaeology staff 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 OGC as soon as possible as per the Archaeology Process Guidelines.

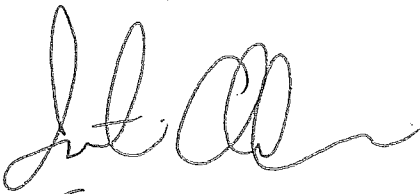
If artifacts, features, materials or things protected under section 13(2) of the Heritage Conservation Act are identified the permit holder must, unless the permit holder holds a permit under section 12 of the Heritage Conservation Act in respect of that artifact, feature, material or thing:

- a) immediately cease all work in the vicinity of the artifacts, features, materials or things;
- b) immediately notify the Commission; and
- 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 the Heritage Conservation Act, endorsed by a qualified archaeologist, and approved by the Commission.

ADVISORY GUIDANCE

1. Appropriate 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 an application for all subsequent applicable *Land Act* tenures. Upon the Commission's acceptance of the post-construction plan no further applications for replacement tenure are required.
2. Unless a condition or its context suggests otherwise, terms used in this approval have the same meaning as the Environmental Protection and Management Regulation under the *Oil and Gas Activities Act*.

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



For:

Ashley Istead  
Natural Resource Officer

pc: Roy Northern Land Service Ltd.  
Commission No.: 9637493  
Worksafe BC  
OGC First Nations: HN, KFN



March 4, 2015

Coastal GasLink Pipeline Ltd.  
450 - 1st Street SW  
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

**RE: Temporary Occupation of Crown Land - Helipad Permit**  
**Helipad Location: Units 61 and 86, Block B, Units 49 and 60, Block A, 103-I-1**  
**Date of Issuance: March 4, 2015**  
**Commission File No: 9637493**

#### AUTHORIZATIONS

##### Temporary Permit under section 14 of the *Land Act*

1. The BC Oil and Gas Commission, hereby authorizes the holder of Permit number 9637493, to temporarily occupy and use Crown land for the purpose of constructing and operating a Helipad Permit, under Authorization Number 947942, subject to the following:

- a. The authorization granted under this Permit is limited to the area described in construction plan number:

CGW4703-MCSL-G-MP-115-001-HeliSite KalumFD PC Sketch-Rev0, Page 1 of 4, Rev 0, dated July 17, 2013.
CGW4703-MCSL-G-MP-115-002-HeliSite KalumFD PC Sketch-Rev0, Page 2 of 4, Rev 0, dated July 17, 2013.
CGW4703-MCSL-G-MP-115-003-HeliSite KalumFD PC Sketch-Rev0, Page 3 of 4, Rev 0, dated July 17, 2013.
CGW4703-MCSL-G-MP-115-004-HeliSite KalumFD PC Sketch-Rev0, Page 4 of 4, Rev 0, dated July 17, 2013.

- b. The permit expires on July 31, 2016.
    - c. 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 on the site or happening by virtue of the Permit holder's occupation of the site, and the amount of such losses, damages and costs shall be payable to the Province or the Commission immediately.
    - d. The Permit holder will immediately effect, and keep in force while occupying the site, 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.
    - e. The authorization to occupy and use Crown land does not entitle the Permit holder to exclusive possession of the area. The Permit holder will not interfere with the activities of another person entering on and using the area under a prior or subsequent Land Act disposition.
    - f. 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.

- g. 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 sections (c) or (d) 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 (c) or (d) 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 (c) or (d).
- h. The Permit holder must pay, when due, the Fees to the address set out in the attached covering letter.
- i. The Permit holder must not assign, sublicense or transfer this Permit or Permit any person to use or occupy the Land, without the Commission's written consent.

#### Additional Conditions

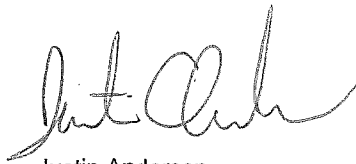
1. The permit holder may use and occupy the Site only for the purposes of investigating the site for potential oil and gas activities and related activities as defined in the *Oil and Gas Activities Act*.
2. The permit holder will restore the site to the satisfaction of the Oil and Gas Commission following expiration or cancellation of this Permit.
3. 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 Forestry, 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.
4. 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.
  5. Portions of the Site within a riparian reserve zone, as defined in section 22 of the *Environmental Protection and Management Regulation*, are not to be cleared, unless deemed operationally necessary for safety or to minimize impact to adjacent habitat features.
  6. Ground disturbance within the Site is not authorized.
  7. The permit holder must notify Haisla Nation prior to commencement of project construction.
  8. The permit holder must notify Kitselas First Nation prior to commencement of project construction.



Justin Anderson  
Authorized Signatory  
Commission Delegated Decision Maker

cc: Roy Northern  
OGC File: 9637493  
WorkSafe BC



**LEGEND :**

Non Classified Drainage

Creek/ River

Riparian Reserve Boundary

Riparian Management Boundary

Approximate Centre Landing Site

**NOTES :**

-The proposed project is not within the Agricultural Land Reserve (ALR)

-UTM Coordinates shown are NAD83 Zone 9 N.

-The proposed project is within the South OGC Zone.

-Distances shown are in metres and decimals thereof.

**McELHANNEY**  
Professional Land Surveying Ltd.  
8808 - 72nd Street  
Fort St. John, British Columbia  
Phone:(250)787-0356, Fax:(250)787-0310  
Job : 3111-21417

OGC FILE No. 9637493

BCGS 103I . 010

CONTACT EMAIL: katherine\_sheriff@transcanada.com

POST CONSTRUCTION EPASS #10043244

Data sets sourced on this map are defined in the CGP Data Matrix

REVISION	DESCRIPTION
0	Issued for Use, July 17, 2013

SCALE 1:5000

1007550250

100200

METRES

TABLE OF AREAS - KALUM FOREST DISTRICT (CROWN LANDS)					
Proposed Feature:	Approved	Constructed	Perm/Temp	Northing	Easting
Helicopter Landing Site 2 W	- ha	0.28 ha	Temp.	5991330	552627
Helicopter Landing Site 4 W	- ha	0.28 ha	Temp.	5990206	556979
Helicopter Landing Site 5 W	- ha	0.19 ha	Temp.	5989000	557732
Helicopter Landing Site 6 W	- ha	0.24 ha	Temp.	5988109	558465
TOTAL AREAS	1.12 ha	0.99 ha			

**NOTE:**  
DISTURBANCE FOOTPRINT DETAILS ARE BASED ON CLIENT INFORMATION. NO POST CONSTRUCTION SURVEY WAS COMPLETED BY McELHANNEY.

Coastal GasLink  
Pipeline Project

COASTAL GASLINK PIPELINE LTD.

POST CONSTRUCTION PLAN  
HELICOPTER LANDING SITES  
KALUM FOREST DISTRICT  
SITE 2 W  
WITHIN  
UNIT 86  
BLOCK B, GROUP 103-I-1  
RANGE 5 COAST DISTRICT


Page 1 of 4  
July 17, 2013


Route Reference:


Document No. CGW4703-MCSL-G-MP-115-001-HeliSite KalumFD PC Sketch-Rev0





**LEGEND :**


 Temporary Crown Land Disturbance Footprint


 Helicopter Landing Site Placement Zone


 Old Growth Management Area


 PNG Grid Boundary

 Non Classified Drainage

 Creek/ River

 Riparian Reserve Boundary

 Riparian Management Boundary

 Approximate Centre Landing Site

**NOTES :**

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-UTM Coordinates shown are NAD83 Zone 9 N.

-The proposed project is within the South OGC Zone.

-Distances shown are in metres and decimals thereof.

**McELHANNEY**  
Professional Land Surveying Ltd.  
8808 - 72nd Street  
Fort St. John, British Columbia  
Phone:(250)787-0356, Fax:(250)787-0310  
Job : 3111-21417

OGC FILE No. 9637493

BCGS 103I . 010

CONTACT EMAIL: katherine\_sheriff@transcanada.com

POST CONSTRUCTION EPASS #10043244

Data sets sourced on this map are defined in the CGP Data Matrix


REVISION

DESCRIPTION

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Issued for Use, July 17, 2013

SCALE 1:5000



METRES

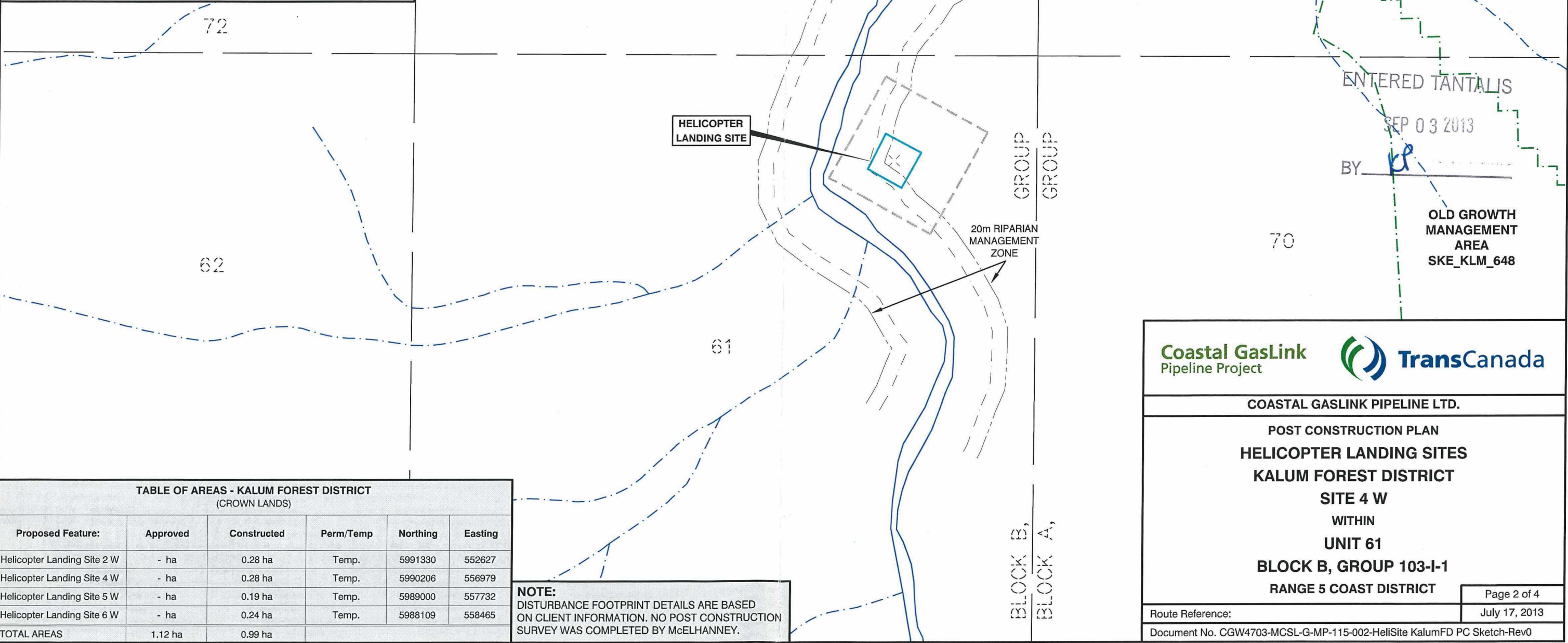



TABLE OF AREAS - KALUM FOREST DISTRICT (CROWN LANDS)					
Proposed Feature:	Approved	Constructed	Perm/Temp	Northing	Easting
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TOTAL AREAS	1.12 ha	0.99 ha			

**NOTE:**  
DISTURBANCE FOOTPRINT DETAILS ARE BASED ON CLIENT INFORMATION. NO POST CONSTRUCTION SURVEY WAS COMPLETED BY McELHANNEY.

Coastal GasLink  
Pipeline Project



COASTAL GASLINK PIPELINE LTD.

POST CONSTRUCTION PLAN  
HELICOPTER LANDING SITES  
KALUM FOREST DISTRICT  
SITE 4 W  
WITHIN  
UNIT 61  
BLOCK B, GROUP 103-I-1  
RANGE 5 COAST DISTRICT

Route Reference:


Document No. CGW4703-MCSL-G-MP-115-002-HeliSite KalumFD PC Sketch-Rev0


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July 17, 2013

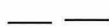


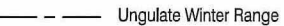
**LEGEND :**

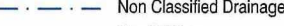
 Temporary Crown Land Disturbance Footprint

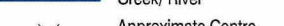
 Helicopter Landing Site Placement Zone

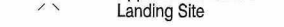
 Old Growth Management Area

 PNG Grid Boundary

 Ungulate Winter Range

 Non Classified Drainage

 Creek/ River

 Approximate Centre Landing Site

**NOTES :**

-The proposed project is not within the Agricultural Land Reserve (ALR)

-UTM Coordinates shown are NAD83 Zone 9 N.

-The proposed project is within the South OGC Zone.

-Distances shown are in metres and decimals thereof.

**McELHANNEY**  
Professional Land Surveying Ltd.  
8808 - 72nd Street  
Fort St. John, British Columbia  
Phone:(250)787-0356, Fax:(250)787-0310  
Job : 3111-21417

OGC FILE No. 9637493

BCGS 103I . 010


CONTACT EMAIL: katherine\_sheriff@transcanada.com

POST CONSTRUCTION EPASS #10043244

Data sets sourced on this map are defined in the CGP Data Matrix

REVISION	DESCRIPTION
0	Issued for Use, July 17, 2013

SCALE 1:5000




METRES

The map displays a section of the Kalum Forest District, specifically Unit 60, Block A, Group 103-I-1, Range 5 Coast District. It shows a proposed helicopter landing site (Site 5 W) within an old growth management area (SKE\_KLM\_648). The site is marked with a blue square and an 'X' indicating the approximate center. Surrounding features include the Kitimat River, various drainage patterns (dashed blue lines), and ungulate winter ranges (dotted blue lines). The map is overlaid with a PNG grid. Key labels include 'UNSURVEYED CROWN LAND', 'MOUNTAIN GOAT M-ORAM u-6-001 Mg-216', 'OLD GROWTH MANAGEMENT AREA SKE\_KLM\_648', and 'ENTERED TANTALIS SEP 03 2013 BY [signature]'. The map also shows the locations of Blocks A and B, and Groups 103-I-1 and 103-I-2.

**NOTE:**  
DISTURBANCE FOOTPRINT DETAILS ARE BASED ON CLIENT INFORMATION. NO POST CONSTRUCTION SURVEY WAS COMPLETED BY McELHANNEY.

TABLE OF AREAS - KALUM FOREST DISTRICT (CROWN LANDS)					
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Coastal GasLink  
Pipeline Project



COASTAL GASLINK PIPELINE LTD.

POST CONSTRUCTION PLAN  
HELICOPTER LANDING SITES  
KALUM FOREST DISTRICT  
SITE 5 W  
WITHIN  
UNIT 60  
BLOCK A, GROUP 103-I-1  
RANGE 5 COAST DISTRICT

Route Reference:

Document No. CGW4703-MCSL-G-MP-115-003-HeliSite KalumFD PC Sketch-Rev0

Page 3 of 4

July 17, 2013



**LEG ID :**  

Temporary Crown Land Disturbance Footprint

Helicopter Landing Site Placement Zone

Old Growth Management Area

PNG Grid Boundary

Riparian Reserve Boundary

Ungulate Winter Range

Non Classified Drainage

Creek/ River

Riparian Management Boundary

Approximate Centre Landing Site

**NOTES :**  
 -The proposed project is not within the Agricultural Land Reserve (ALR)  
 -UTM Coordinates shown are NAD83 Zone 9 N.  
 -The proposed project is within the South OGC Zone.  
 -Distances shown are in metres and decimals thereof.

**McELHANNEY**  
 Professional Land Surveying Ltd.  
 8808 - 72nd Street  
 Fort St. John, British Columbia  
 Phone:(250)787-0356, Fax:(250)787-0310  
 Job : 3111-21417

OGC FILE No. 9637493

BCGS 103I . 010

CONTACT EMAIL: katherine\_sheriff@transcanada.com

POST CONSTRUCTION EPASS #10043244

Data sets sourced on this map are defined in the CGP Data Matrix

REVISION	DESCRIPTION
0	Issued for Use, July 17, 2013

SCALE 1:5000

100

50

0

100

200

METRES

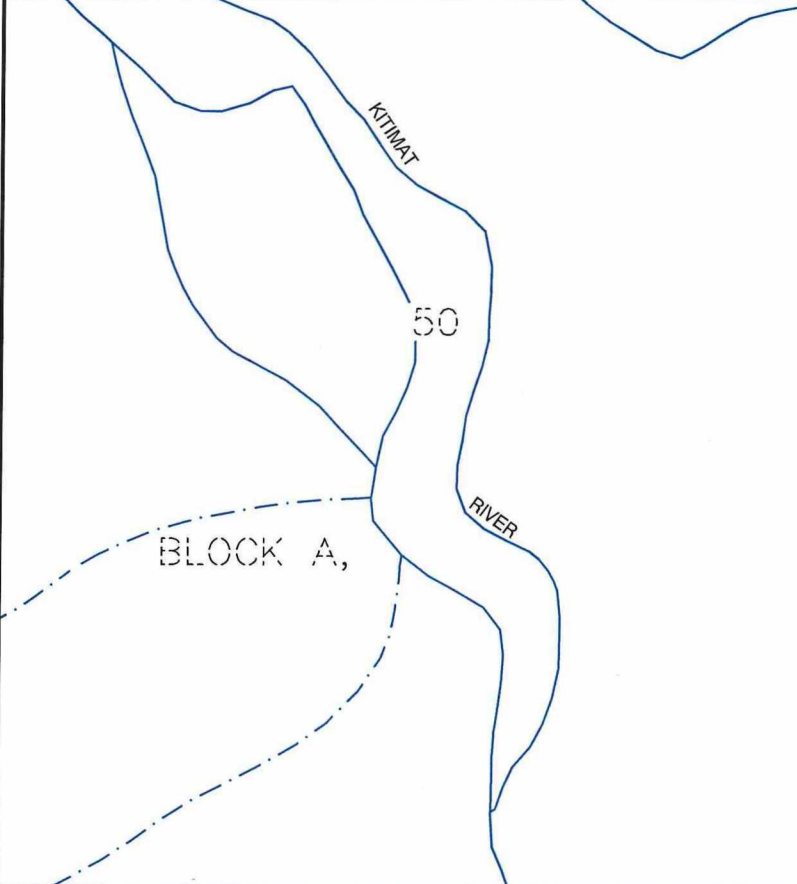


TABLE OF AREAS - KALUM FOREST DISTRICT (CROWN LANDS)					
Proposed Feature:	Approved	Constructed	Perm/Temp	Northing	Easting
Helicopter Landing Site 2 W	- ha	0.28 ha	Temp.	5991330	552627
Helicopter Landing Site 4 W	- ha	0.28 ha	Temp.	5990206	556979
Helicopter Landing Site 5 W	- ha	0.19 ha	Temp.	5989000	557732
Helicopter Landing Site 6 W	- ha	0.24 ha	Temp.	5988109	558465
TOTAL AREAS	1.12 ha	0.99 ha			

**NOTE:**  
DISTURBANCE FOOTPRINT DETAILS ARE BASED ON CLIENT INFORMATION. NO POST CONSTRUCTION SURVEY WAS COMPLETED BY McELHANNEY.

Coastal GasLink

Pipeline Project

COASTAL GASLINK PIPELINE LTD.

POST CONSTRUCTION PLAN

HELICOPTER LANDING SITES

KALUM FOREST DISTRICT

SITE 6 W

WITHIN

UNIT 49

BLOCK A, GROUP 103-I-1

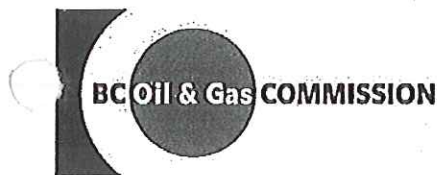
RANGE 5 COAST DISTRICT

Route Reference:

Document No. CGW4703-MCSL-G-MP-115-004-HeliSite KalumFD PC Sketch-Rev0

Page 4 of 4

July 17, 2013



OGC File: 9637493

March 6, 2013

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

Attention: Surface Land Administrator

Re: Helipad Permit- Section 14 over Crown Land, Range 5 Coast District  
within units 61 and 86, block B, and units 49 and 60, block A, 103-I-1.

Date of Issuance: March 6, 2013  
Commission File No: 9637493  
Applicant File No: 120496

## PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9637493, 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 "Helicopter Landing Site Placement Zone" in the attached sketch plans Document No: CGW4703-MCSL-G-PLN-001-001-HeliSite KalumFD Sketch-Rev0, CGW4703-MCSL-G-PLN-001-002-HeliSite KalumFD Sketch-Rev0, CGW4703-MCSL-G-PLN-001-003-HeliSite KalumFD Sketch-Rev0, and CGW4703-MCSL-G-PLN-001-004-HeliSite KalumFD Sketch-Rev0, dated November 26, 2012 as submitted to the Commission in the permit application dated December 4, 2012 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 939822, 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 1.12Ha.
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 prior to conducting activities under this Permit.
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 M02344, Kalum 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 586.
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 on 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 1.12Ha within the Site.

#### ADDITIONAL CONDITIONS

1. Portions of the Site within a riparian reserve zone, as defined in section 22 of the *Environmental Protection and Management Regulation*, are not to be cleared, unless deemed operationally necessary for safety or to minimize impact to adjacent habitat features.



2. Ground disturbance within the Site is not authorized.

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



Ryan Stark  
Natural Resource Officer

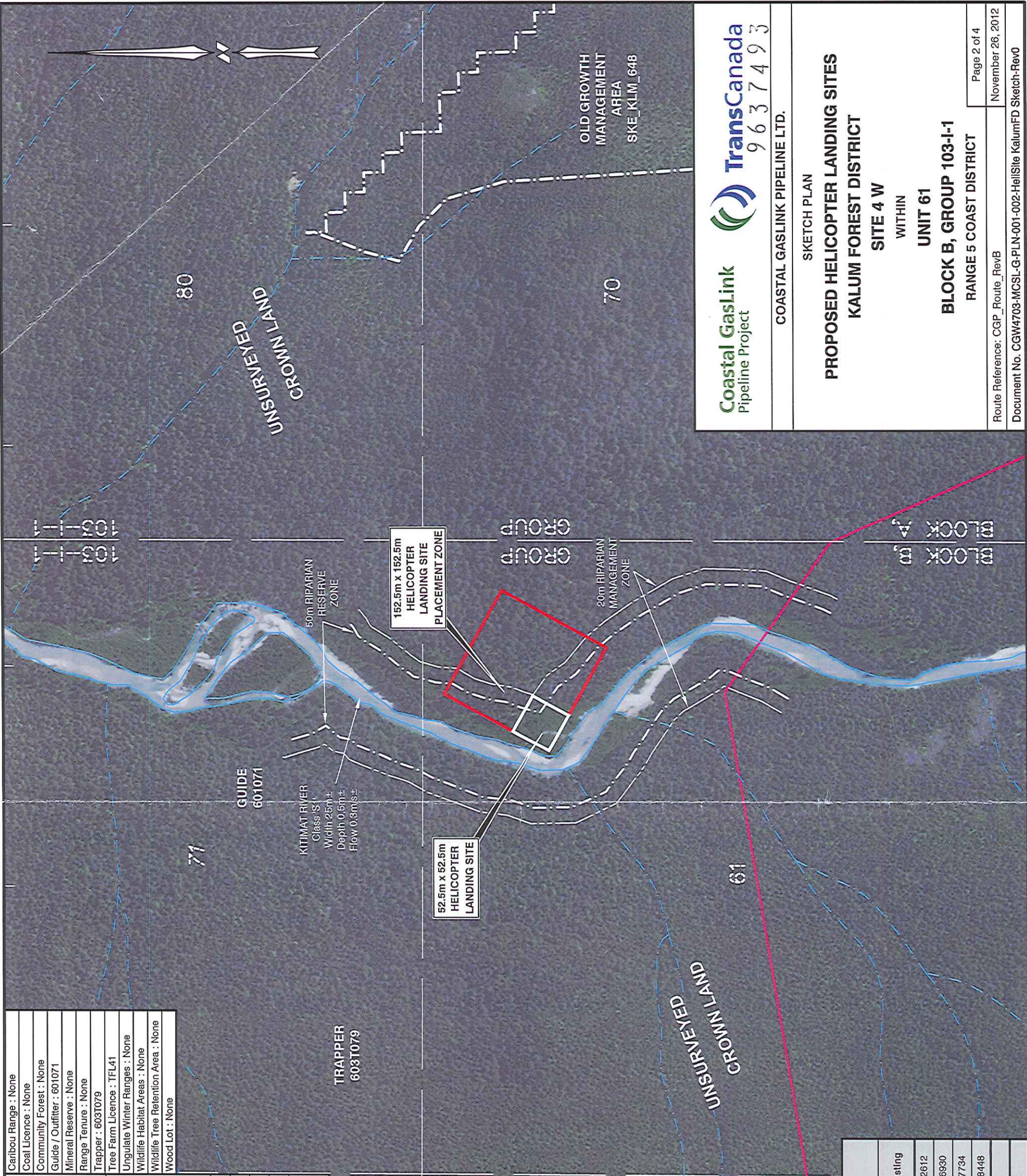
pc: FLNRO – Kalum  
pc: Haisla Nation and Kiteslas First Nation







<b>LEGEND :</b>		Coastal GasLink Study Corridor Centerline
		Non Classified Drainage
		Creek/ River
		Riparian Reserve Boundary
		Riparian Management Boundary
<b>NOTES :</b>		
-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 South OGC Zone.		
-Distances shown are in metres and decimals thereof.		
<b>BCGS 1031 . 010</b> Data sets sourced on this map are defined in the CGP Data Matrix		
<b>EPASS#10040739</b>		
<b>REVISION</b>	<b>DESCRIPTION</b>	
<b>0</b>	Issued for Use, November 26, 2012	



Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 601071
Mineral Reserve : 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

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Job : 3111-21236

9 6 3 7 4 9 3

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

PROPOSED HELICOPTER LANDING SITES

KALUM FOREST DISTRICT

SITE 4 W

WITHIN

UNIT 61

BLOCK B, GROUP 103-I-1

RANGE 5 COAST DISTRICT

Page 2 of 4

November 26, 2012

Route Reference: CGP\_Route\_RevB

Document No. CGW4703-MCSL-G-PLN-001-002-HeliSite KalumFD Sketch-Rev0

TABLE OF AREAS REQUIRED - KALUM FOREST DISTRICT (CROWN LANDS)					
Proposed Features:	New Cut	Existing Clearing	Total	Northing	Easting
Helicopter Landing Site 2 W	0.28 ha	0.00 ha	0.28 ha	5991371	552612
Helicopter Landing Site 4 W	0.28 ha	0.00 ha	0.28 ha	5990193	556930
Helicopter Landing Site 5 W	0.28 ha	0.00 ha	0.28 ha	5986982	557734
Helicopter Landing Site 6 W	0.28 ha	0.00 ha	0.28 ha	5988130	558448
TOTAL DISTURBANCE	1.12 ha	0.00 ha	1.12 ha		
HELICOPTER LANDING SITE PLACEMENT ZONES			TOTAL AREA = 9.30 ha		







LEGEND :

	Coastal GasLink Study Corridor Centerline
	Ungulate Winter Range
	Non Classified Drainage
	Creek/ River
	Riparian Management Boundary

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 South OGC Zone.

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BCGS 1031. 010	Data sets sourced on this map are defined in the CGP Data Matrix
EPASS# 10040739	
REVISION	DESCRIPTION
0	Issued for Use, November 26, 2012
SCALE 1:5000	
METRES	

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Coal Licence : None
Community Forest : None
Guide / Outfitter : 601071
Mineral Reserve : None
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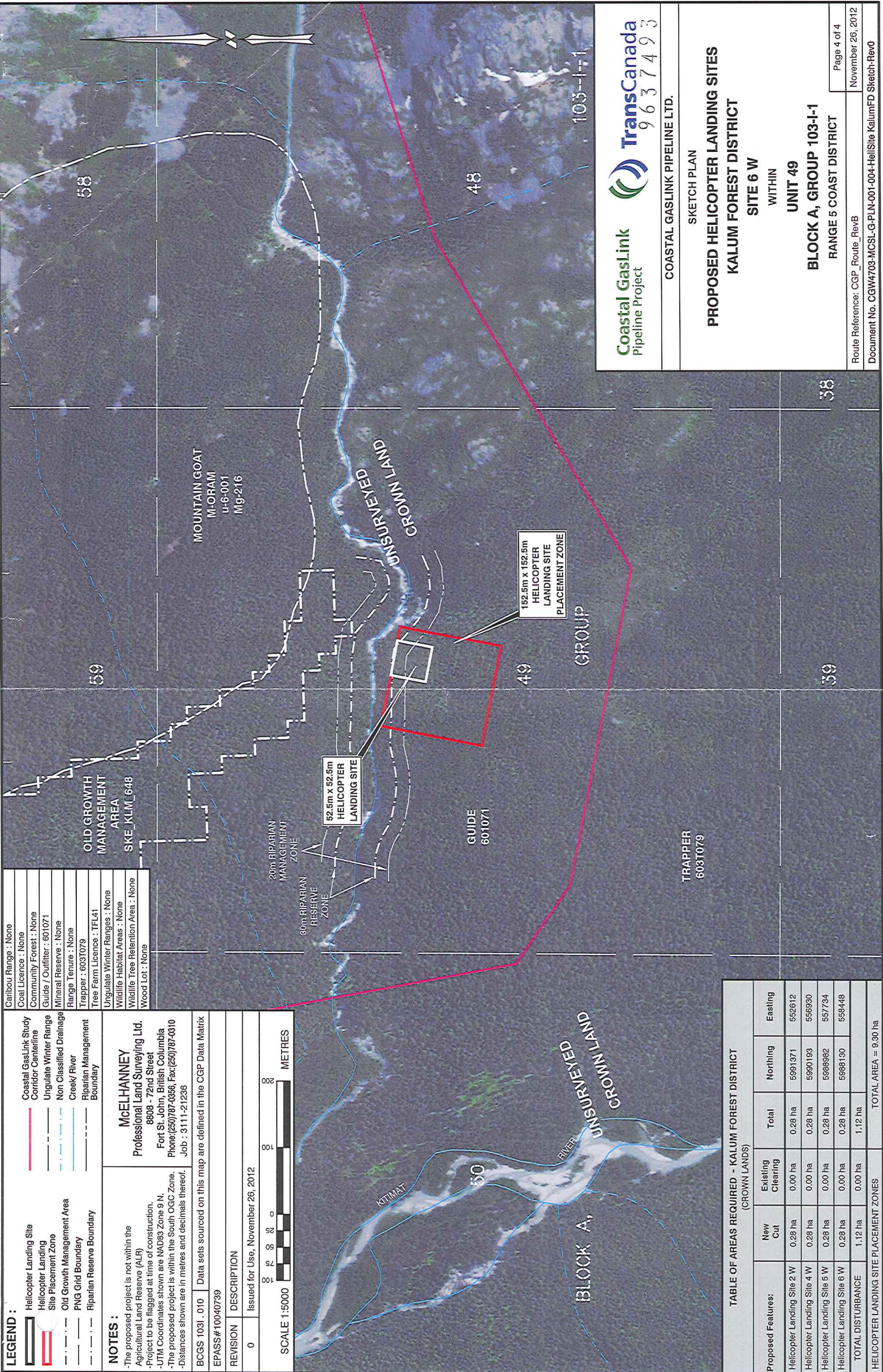


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Coastal GasLink  
Pipeline Project

TransCanada  
9637493

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

PROPOSED HELICOPTER LANDING SITES

KALUM FOREST DISTRICT

SITE 6 W

WITHIN

UNIT 49

BLOCK A, GROUP 103-I-1

RANGE 5 COAST DISTRICT

Page 4 of 4

November 26, 2012

Route Reference: CGP\_Route\_RevB

Document No. CGW4703-MCSL-G-PLN-001-004-HeliSite KalumFD Sketch-Rev0