

File: 292-30/OGC2021-010

November 4, 2021

Re: Request for Information – Release
Freedom of Information and Protection of Privacy Act (FOIPPA)

I am writing further to your request received by the BC Oil and Gas Commission (Commission) for: **“All internal communications related to construction and engineering through Icy Pass in Section 8 of the Coastal GasLink pipeline. Records may include, but are not limited to, emails, texts, iMessage, fax and WhatsApp messages.”** Date Range: **07/31/2020 to 07/31/2021**

Some information has been withheld pursuant to the following sections: 13 (Policy advice or recommendations); 16 (Disclosure harmful to intergovernmental relations or negotiations); 17 (Disclosure harmful to the financial or economic interests of a public body); 19 (Disclosure harmful to individual or public safety); and 22 (Disclosure harmful to personal privacy). A complete copy of FOIPPA is available online at: http://www.bclaws.ca/Recon/document/ID/freeside/96165_00

The records located in response to your request are provided through the Commission's secure transfer service site. You can access the records as follows:

Please note this is a temporary password that you will be prompted to change upon first log in. Your account will be active and the record package accessible for 30 days from the date of this letter after which your account will expire and the records will be deleted. It is recommended you download or transfer files to your desired personal location.

These records will be published on the Commission's website within 72 hours of release. To find out more about the proactive disclosure of requests, please access the Commission's website at: <https://www.bcogc.ca/about/freedom-of-information/>

Your file is now closed.

Pursuant to section 52 of the FOIPPA, you may ask the Office of the Information and Privacy Commissioner (OIPC) to review any decision, act, or failure to act with regard to your request under FOIPPA.

Please note that you have 30 business days to file your review with the OIPC. In order to request a review please write to:

*Information and Privacy Commissioner
PO Box 9038 Stn Prov Govt
4th Floor, 947 Fort Street
Victoria BC V8W 9A4
Phone: 250.387.5629 Fax: 250.387.1696
Email: info@oipc.bc.ca*

If you request a review, please provide the OIPC with a copy of your original request, a copy of the Commission's response, and the reasons or grounds upon which you are requesting the review. Further information on the complaint and review process can be found on the OIPC website: <https://www.oipc.bc.ca>

Please write FOIIntake@bcogc.ca, if you have any questions regarding your request or require any further clarification.

Yours truly,

Dana Keough

BC Oil and Gas Commission

Keough, Dana

From: Phillips, Lori L
Sent: Wednesday, July 21, 2021 4:15 PM
To: s19
Cc: Friedrich, Hardy; Anderson, Justin
Subject: FW: CGL July's Watercourse Crossing Report 15 update
Attachments: S8 Rev OGC Watercourse Crossings Section Reports July 2021 - Report #15.pdf

FYI



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
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T. 250 794-5318
F. 250-794-5390



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From: Shelley McInnis <shelley_mcinnis@tcenergy.com>
Sent: Wednesday, July 21, 2021 2:35 PM
To: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>; Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Tracy Young <tracy_young@tcenergy.com>; Dan Wyman <dan_wyman@tcenergy.com>
Subject: CGL July's Watercourse Crossing Report 15 update

Hi Lori,

Section 8 (AD# 100084230) construction has added the following watercourse crossing for July. The changes are listed below and I have attached an updated Section 8 report.

Unnamed Tributary (Hirsch Creek)	8	2036.00-WC	728.3T	S3	Isolate Open cut	KP 654+970	9	530077	5991666	27-Jul-2021	3-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2009.00-WC	720	S2	Isolate Open cut	KP 648+678	9	535237	5993232	23-Jul-2021	4-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Pine Creek)	8	2083.00-WC	740.1T	S3	Isolate Open cut	KP 664+645	9	523108	5987447	28-Jul-2021	26-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Pine Creek)	8	2082.10-WC	740	S2	Auger Bore	KP 664+662	9	523128	5987447	28-Jul-2021	26-Aug-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Burnie River)	8	1749.00-WC	42D1	S3	Isolated Open Cut	587+946	9	580972	6004021	20-Jul-2021	30-Jul-2021	Site preparation and pipe installation via isolated open cut

Thank you,

Shelley McInnis
Regulatory Administrative Analyst
Coastal GasLink

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Table 7: Section 8 Watercourse Crossings Schedule

Watercourse Name	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	UTM Zone	Easting	Northing	Work Scheduled Start Date	Work Scheduled End Date	Summary of Activities Planned for the month
Unnamed Tributary (Burnie River)	8	1749.00-WC	42D1	S3	Isolated Open Cut	587+946	9	580972	6004021	20-Jul-2021	30-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Burnie River)	8	1750.00-WC	137C	S4	Isolated Open Cut	588+448	9	580450	6004016	9-Jul-2021	2-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Burnie River)	8	1751.00-WC	138C	S4	Isolated Open Cut	588+499	9	580399	6004008	9-Jul-2021	2-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2015.00-WC	722	S5	Isolate Open cut	KP 649+408	9	534723	5993663	27-Jun-2021	8-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2017.10-WC	723F	S3	Isolate Open cut	KP 650+527	9	533769	5993831	8-Jul-2021	13-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2012.00-WC	721	S4	Isolate Open cut	KP 648+967	9	535046	5993373	14-Jul-2021	22-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2005.00-WC	28D	S2	Isolate Open cut	KP 647+946	9	535641	5992664	22-Jul-2021	29-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2001.54-WC	S1013	S3	Isolate Open cut	KP 647+553	9	535890	5992376	30-Jul-2021	5-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Kitimat River)	8	2086.00-WC	741	S3	Auger Bore	KP 665+228	9	522559	5987445	7-Jul-2021	28-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Pine Creek)	8	2077.00-WC	739.1T	S3	Isolate Open cut	KP 664+007	9	523575	5987651	17-Jul-2021	23-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Kitimat River)	8	2076.00-WC	UN22-17	S3	Isolate Open cut	KP 663+731	9	523585	5987927	24-Jul-2021	29-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Pine Creek)	8	2072.10-WC	UN22-15	S3	Isolate Open cut	KP 662+446	9	523882	5988970	29-Jul-2021	3-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Kitimat River)	8	2091.00-WC	UN22-20	S2	Auger Bore	KP 666+084	9	521684	5987438	10-Jul-2021	19-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Side Channel (Kitimat River)	8	2090.00-WC	UN22-19	S2	Auger Bore	KP 665+955	9	521834	5987439	20-Jul-2021	29-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Kitimat River)	8	2089.00-WC	741.1T	S2	Auger Bore	KP 665+649	9	522139	5987442	30-Jul-2021	12-Aug-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Kitimat River)	8	2096.00-WC	S1073	S2	Auger Bore	KP 666+562	9	521244	5987405	1-Jul-2021	9-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Kitimat River)	8	2009.00-WC	720	S2	Isolate Open cut	KP 648+723	9	535237	5993232	23-Jul-2021	4-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2036.00-WC	728.3T	S3	Isolate Open cut	KP 654+970	9	530077	5991666	27-Jul-2021	3-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Pine Creek)	8	2083.00-WC	740.1T	S3	Isolate Open cut	KP 664+645	9	523108	5987447	28-Jul-2021	26-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Pine Creek)	8	2082.10-WC	740	S2	Auger Bore	KP 664+662	9	523128	5987447	28-Jul-2021	26-Aug-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product

Keough, Dana

From: Phillips, Lori L
Sent: Monday, July 19, 2021 3:52 PM
To: Friedrich, Hardy
Subject: FW: CGL Section 8 Leave Request
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditions 18, 20, 24, and 38.pdf

FYI



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
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T. 250 794-5318
F. 250-794-5390



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From: Anderson, Justin <Justin.Anderson@bcogc.ca>
Sent: Tuesday, July 6, 2021 2:22 PM
To: 'Tracy Young' <tracy_young@tcenergy.com>; Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; 'Dan Wyman' <dan_wyman@tcenergy.com>; 'Shelley McInnis' <shelley_mcinnis@tcenergy.com>
Subject: RE: CGL Section 8 Leave Request

Hi Tracy

Find attached the leave of the Commission letter for CGL Section 8 conditions 18, 20, 24, and 38.

If you have any questions, please let me know.

Justin



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Thursday, June 10, 2021 4:05 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: CGL Section 8 Leave Request

Please find attached a request for leave for ATWS in Section 8 (AD #100084230) for a pipeline realignment to reduce potential impact to a cultural heritage trail as well as fish & fish habitat.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile s22
TCEnergy.com

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Thank you

July 6, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Leave Request for Pipeline Permit: 9708372 (Section 8)

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Leave Issuance: July 6, 2021
Permit AD Number: 100084230
Legacy OGC File Number: 9708372

The Commission has reviewed the materials submitted on June 10, 2021 in relation to conditions 18, 20, 24, and 38 set out in the above noted pipeline permit:

18. *Clearing and site preparation must not occur within a RMA except:*
- a) *the pipeline right of way, temporary workspace and shooflies, as shown on the construction plans;*
 - b) *to facilitate a stream or wetland crossing;*
 - c) *where it does not involve new clearing and existing clearings do not have a reestablished vegetative cover; or*
 - d) *with leave of the Commission.*
20. *Except as shown on the construction plans or with leave of the Commission, incremental clearing for additional work space is not permitted within:*
- a) *a wildlife habitat area;*
 - b) *an ungulate winter range; or*
 - c) *old growth management areas.*
24. *Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:*
- a) *a previously disturbed area is less than 2 hectares;*
 - b) *such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
 - c) *the permit holder is granted leave by the Commission to carry out such clearing and site preparation*
38. *Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within WHA 6-283 between September 1 and June 15.*

The Commission confirms that after reviewing the submission, leave of the Commission is granted for conditions 18, 20, 24, and 38 for the areas identified in Table 1: Additional Temporary Workspace, attached.

The permit holder must comply with all conditions in permit 100084230 (Legacy: 9708372).

Sincerely,

A handwritten signature in black ink, appearing to read "Justin Anderson", is enclosed in a light gray rectangular box. The signature is fluid and cursive.

Justin Anderson
Authorizations Manager
Authorized Signatory

Keough, Dana

From: Phillips, Lori L
Sent: Monday, July 19, 2021 3:52 PM
To: Friedrich, Hardy
Subject: FW: CGL Section 8 Supplemental Stream Crossing Addendum 7
Attachments: Satisfaction of the Commission Letter -Section 8- Stream Crossings.pdf

FYI



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Anderson, Justin <Justin.Anderson@bcogc.ca>
Sent: Tuesday, July 6, 2021 2:41 PM
To: 'Shelley McInnis' <shelley_mcinnis@tcenergy.com>; Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; 'Dan Wyman' <dan_wyman@tcenergy.com>; 'Tracy Young' <tracy_young@tcenergy.com>
Subject: RE: CGL Section 8 Supplemental Stream Crossing Addendum 7

Hi Shelley

Find attached the satisfaction of the Commission letter for the CGL Section 8 stream crossings.

Justin



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Shelley McInnis <shelley_mcinnis@tcenergy.com>
Sent: Tuesday, June 29, 2021 10:33 AM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Tracy Young <tracy_young@tcenergy.com>
Subject: CGL Section 8 Supplemental Stream Crossing Addendum 7

Good morning,

s22

I am submitting this on behalf of Tracy Young

Please find attached Addendum 7 of the supplemental stream crossing submission (Conditions 52, 53, 57, 58, 59 and 67) of Section 8 Pipeline Permit ((AD# 100084230) for Satisfaction of the Commission.

Thank you,

Shelley McInnis
Regulatory Administrative Analyst
Coastal GasLink
Contractor representing TC Energy

shelley_mcinnis@tcenergy.com

cel s22 desk: 403-920-1370



450 – 1 Street S.W. Calgary, AB
Canada, T2P 5H1

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July 6, 2021

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

Attention: Coastal GasLink Pipeline Ltd

RE: Satisfaction Request Pipeline Permit: 9708372 (Section 8)

Permit Holder: Coastal GasLink Pipeline Ltd.
Permit AD Number: 100084230
Legacy OGC File Number: 9708372

The Commission has reviewed the materials submitted on June 29, 2021 in relation to conditions 52, 53, 57, 58, 59 and 67 set out in the above noted pipeline permit:

52. Subject to sections 11 and 12 of the EPMR, crossings of non-fish bearing streams and wetlands must be constructed in accordance with the methods and any mitigations that are specified in the Construction Section 8 Supplemental Stream Crossings Submission that has been submitted to the satisfaction of the Commission.
53. Subject to sections 11 and 12 of the EPMR, crossings of fish bearing streams and wetlands must be constructed in accordance with the timing, methods and any mitigations that are specified in the Construction Section 8 Supplemental Stream Crossings Submission that has been submitted to the satisfaction of the Commission. Any contingency method specified in Construction Section 8 Supplemental Stream Crossings Submission may only be utilized with leave of the Commission.
57. Open cut crossings of watercourses must be planned and conducted in accordance with the relevant detail in the Construction Section 8 Supplemental Stream Crossings Submission that has been submitted to the satisfaction of the Commission, and the following requirements:
 - a) an open cut of a stream classified as S1, S2, S3, S4, S5 or S6 may only occur with leave of the Commission, unless the stream is frozen to its bed or is completely dry with no evidence of subsurface flow;
 - b) where the streambed consists of rocks, pebbles or coarse gravel overlaying finer material, this material must be removed and stockpiled separately above the high water mark of the stream for replacement during restoration;
 - c) unless otherwise authorized by Fisheries and Oceans Canada, spawning gravels must not be disturbed when redds that contain eggs or alevins are present. The authorization must be provided to the Commission;

- d) excavated materials must be contained using appropriate techniques, so that sediment-laden water and spoil do not re-enter the watercourse;
 - e) any sediment-laden trench water must be pumped onto stable surfaces in a manner that does not cause erosion of soils or release of suspended sediments to watercourses;
 - f) where feasible, aquatic vegetation and organic debris removed from the construction area must be salvaged and returned following trench backfilling; and
 - g) channels, banks and beds of streams or wetlands, including any disturbed stable natural material must be restored, to the extent practicable, to the structure and conditions that existed before the crossing construction was initiated. Fish streams must be restored based on pre-construction surveys, including restoration of areas containing rearing potential with adequate stream depth and in stream structures and restoration of spawning areas with gravel placement.
58. Open cut crossings of wetlands must be planned and conducted in accordance with the relevant detail in the Construction Section 8 Supplemental Stream Crossings Submission that has been submitted to the satisfaction of the Commission, and the following requirements:
- a) where the wetland substrate consists of rocks, pebbles or coarse gravel overlaying finer material, this material must be removed and stockpiled separately above the high water mark of the wetland for replacement during restoration;
 - b) materials referred to in (a) must be excavated and stockpiled in a manner that minimizes sediment dispersal within the wetland and must be replaced in a manner that minimizes disturbance to the wetland following pipeline installation;
 - c) channels, banks and beds of wetlands, including any disturbed stable natural material, must be restored, to the extent practicable, to the structure and conditions that existed before the crossing construction was initiated;
 - d) excavated materials must be contained using appropriate techniques, so that that sediment-laden water and spoil do not re-enter the wetland; and
 - e) any sediment-laden trench water must be pumped onto stable surfaces in a manner that does not cause erosion of soils or release of suspended sediments to watercourses.
59. Flow isolation crossings must be planned and conducted in accordance with the relevant detail in the Construction Section 8 Supplemental Stream Crossings Submission that has been submitted to the satisfaction of the Commission, and in accordance with (b) to (g) of condition 57 and the following additional requirements:
- a) crossings of fish-bearing streams may commence only after confirming that sufficient equipment and supplies are available to complete the crossing in an efficient and timely manner;
 - b) after the installation or removal of flow isolation works, crossing construction within the stream channel, including the location and operation of any equipment, must be isolate from water flowing in the stream;
 - c) activities must be assessed by a qualified professional for suspension if high stream flows present an increased risk to effectively completing the intended crossing installation technique;
 - d) welding, coating, weighting and, where applicable testing, of the pipe must be completed prior to commencement of trenching within fish-bearing water bodies;

- e) water from flumes, pump-arounds, diversions, or other methods must be released to downstream areas using dissipation structures to avoid causing erosion or sediment release;
 - f) except with leave of the Commission, pump intakes must not disturb beds of streams or wetlands except as necessary to ensure safe installation and operation of equipment and must be screened with maximum mesh sizes and approach velocities in accordance with the Fisheries and Oceans Canada “Freshwater Intake End-of-Pipe Fish Screen Guideline”, as amended from time to time;
 - g) water flows downstream of in-stream construction sites must be maintained consistent with upstream flows; and
 - h) ditch plugs must be maintained at or near the banks of the crossing and left in place until the crossing has been initiated.
67. Prior to commencing construction on any pipeline stream crossing, the permit holder must:
- a) identify any new streams not described in the Construction Section 8 Supplemental Stream Crossings Submission;
 - b) for new streams or where there was outstanding fieldwork required for a stream described in the Construction Section 8 Supplemental Stream Crossings Submission, conduct the field work needed to complete stream classifications and identify the fish species presence for that stream, including any required confirmation of fish species presence in streams that were surveyed prior to issuance of this permit; and
 - c) submit the results of any field work required under (b) to the satisfaction of the Commission. The results must clearly describe the management and mitigation measures that will be employed in order to minimize impacts to the species present and their habitat.

The Commission confirms that the Table 2. Stream Crossing List (Addendum 7)-Ditchline submissions are to the satisfaction of the Commission in form and content.

The permit holder must comply with all conditions in permit 100084230 (Legacy: 9708372).

Sincerely,



Justin Anderson
Authorizations Manager

pc: First Nations: (Carrier Sekani Tribal Council, Haisla Nation, Kitselas First Nation, Office of the Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nations and Ya'tsalkas/Dark House)
OGC File: 9708372

Keough, Dana

From: Phillips, Lori L
Sent: Tuesday, June 29, 2021 10:40 AM
To: Anderson, Justin; Friedrich, Hardy
Subject: FW: CGL Section 8 Supplemental Stream Crossing Addendum 7
Attachments: CGL4703-CGP-BCOGC-REG-LTR-4771_Sec 8 SSC - Add 7.pdf

Justin, I think this is a satisfaction one?



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Shelley McInnis <shelley_mcinnis@tcenergy.com>
Sent: Tuesday, June 29, 2021 10:33 AM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Tracy Young <tracy_young@tcenergy.com>
Subject: CGL Section 8 Supplemental Stream Crossing Addendum 7

Good morning,

s22

I am submitting this on behalf of Tracy Young

Please find attached Addendum 7 of the supplemental stream crossing submission (Conditions 52, 53, 57, 58, 59 and 67) of Section 8 Pipeline Permit ((AD# 100084230) for Satisfaction of the Commission.

Thank you,

Shelley McInnis
Regulatory Administrative Analyst
Coastal GasLink
Contractor representing TC Energy

shelley_mcinnis@tcenergy.com

cell s22 esk: 403-920-1370

June 29, 2021

Lori Phillips
Authorization Manger
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-BCOGC-REG-LTR-4471

Dear Ms. Phillips

**Re: Coastal GasLink Pipeline Project (Project)
Satisfaction of the Commission - Supplemental Stream Crossing Submission Addendum 7
Section 8 Pipeline Permit AD # 100084230 – Conditions 52, 53, 57, 58, 59, 67**

Please find enclosed a request for satisfaction of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit Conditions 52, 53, 57, 58, 59 and 67 – Supplemental Stream Crossing Submission Addendum 7. The Submission is required by the referenced Conditions on the Section 8 Pipeline Permit (AD #100084230), and addresses additional information identified since the original Submission received satisfaction of the Commission on June 2, 2016 and six addendums (satisfaction received February 5, 2019, June 4, 2019, July 3, 2019, April 15, 2020, September 10, 2020, and January 28, 2021).

The structure of the Submission has been modified to include additional information, identified through ongoing construction and regulatory planning:

- this Submission includes one watercourse crossing table (Table 2 Ditchline).
- a Qualified Environmental Professional (QEP) timing window is included in each watercourse crossing table in Addendum 7. In accordance with Condition 60, construction activities will occur during the applicable least risk windows, as specified for the Skeena Region, or the QEP window identified in these tables, or in accordance with an authorization or letter of advice from Fisheries and Oceans Canada.
- the Oil and Gas Activity Application Manual (OGC 2018), identifies that a non-classified drainage (NCD) is not defined or classified as a stream. NCDs have been removed from the Submission other than those that were downgraded from streams during the 2019 Stream Screening Program.

In order to provide certainty to our construction contractors Coastal GasLink is seeking a determination from the OGC prior to July 23, 2021. Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink



OGC Construction Section 8 Supplemental Stream Crossings Submission Addendum 7

Work Package 4

CGL4703-JEG4-ENV-RPT-0020

June 28, 2021

Revision 0

Issued for Use

Jacobs

Revision Log

Rev	Section	Revision Description
0	All	Issued for Use

Contents

Revision Log

Acronyms and Abbreviations	iii
1. Introduction.....	1
2. Stream Crossings List	1
3. Qualified Environmental Professional Timing Windows and Additional Mitigation	3
3.1 Overview	3
3.2 Qualified Environmental Professional Timing Windows	3
3.2.1 No Timing Restrictions (Open Qualified Environmental Professional Timing Windows).....	3
4. References	3

Tables

1	List of Supplemental Stream Crossings Submissions	1
2	Stream Crossings List (Addendum 7) – Ditchline	2

Acronyms and Abbreviations

BC OGC	British Columbia Oil and Gas Commission
CCT	Coastal Cutthroat Trout (<i>Oncorhynchus clarki clarki</i>)
CH	Chinook Salmon (<i>Oncorhynchus tshawytscha</i>)
CM	Chum Salmon (<i>Oncorhynchus keta</i>)
CO	Coho Salmon (<i>Oncorhynchus kisutch</i>)
Coastal GasLink	Coastal GasLink Pipeline Ltd.
DFO	Fisheries and Oceans Canada
DV	Dolly Varden (<i>Salvelinus malma</i>)
EMP	Environmental Management Plan
LRW	Least Risk Window
km	kilometre(s)
KO	Kokanee (<i>Oncorhynchus nerka</i>)
KP	Kilometre Post
the Pipeline Permit	Coastal GasLink Pipeline Ltd. Pipeline Permit (Application 100084230) for British Columbia Oil and Gas Commission Construction Section 8
PK	Pink Salmon (<i>Oncorhynchus gorbuscha</i>)
QEP	Qualified Environmental Professional
QP	Qualified Professional
RB	Rainbow Trout (<i>Oncorhynchus mykiss</i>)
SK	Sockeye Salmon (<i>Oncorhynchus nerka</i>)
ST	Steelhead (<i>Oncorhynchus mykiss</i>)
UTM	universal traverse Mercator

1. Introduction

The British Columbia Oil and Gas Commission (BC OGC) issued the Coastal GasLink Pipeline Ltd. (Coastal GasLink) Pipeline Permit (Application 100084230) for BC OGC Construction Section 8 (the Pipeline Permit) on April 29, 2016, which was reissued on November 5, 2018. Conditions 52, 53, 57, 58, 59, and 67 of the Pipeline Permit require Coastal GasLink to receive Satisfaction of the Commission for Supplemental Stream Crossings Submissions. On June 2, 2016, the BC OGC confirmed that the original submission was to the Satisfaction of the Commission in form and content.

Since that time, construction planning has progressed, including additional field surveys and desktop studies requiring preparation of further Supplemental Stream Crossings Submissions. These were submitted to the BC OGC as amendments or addendums to the original Supplemental Stream Crossings Submission. Table 1 provides a summary of submissions since Satisfaction of the Commission was received for the original Supplemental Stream Crossings Submission.

Table 1. List of Supplemental Stream Crossings Submissions

Submission Name	Date of Submission to BC OGC	Date of Satisfaction from BC OGC	Description
Amendment 1	January 24, 2019	February 5, 2019	Updates to streams and wetlands
Addendum 1	April 5, 2019	June 4, 2019	Updates to streams only
Addendum 2	June 27, 2019	July 3, 2019	Updates to streams only
Addendum 3	April 13, 2020	April 15, 2020	Updates to streams only
Addendum 4	April 13, 2020	April 15, 2020	Updates to wetlands only
Addendum 5	September 4, 2020	September 10, 2020	Updates to streams and wetlands
Addendum 6	January 27, 2021	January 28, 2021	Updates to streams only

Previous Supplemental Stream Crossings Submissions to the BC OGC have included effects assessments in consideration of the federal *Fisheries Act*. Bill C-68 received royal assent on June 21, 2019, and the Fish and Fish Habitat Protection Provisions and regulations of the amended federal *Fisheries Act* came into force on August 28, 2019 (Fisheries and Oceans Canada [DFO] 2019). Subsequent submissions to DFO consider amendments such as reinstating the prohibition against harmful alteration, disruption, or destruction of fish habitat, and are submitted under a separate cover to DFO.

2. Stream Crossings List

As required by the Pipeline Permit, changes to stream crossings not described in the original Supplemental Stream Crossings Submission or subsequent addendums must be identified prior to commencing construction. This addendum includes updates to four sites due to changes to construction methods. Table 2 contains information on these streams and is provided for Satisfaction of the Commission.

Table 2. Stream Crossings List (Addendum 7) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres)	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
<i>Streams with Updated Information</i>																	
741	Unnamed Tributary (Kitimat River)	665+191	522559	5987445	Implement applicable measures identified in Sections 6, 7, and 8 of the Environmental Management Plan (EMP) (Coastal GasLink 2018).	4.90	S3	Chinook Salmon (CH), Chum Salmon (CM), Coho Salmon (CO), Coastal Cutthroat Trout (CCT), Dolly Varden (DV), Kokanee (KO), Pink Salmon (PK), Rainbow Trout (RB), Sockeye Salmon (SK), and Steelhead (ST)	No window	January 1 to December 31	July 7 to 28	Trenchless; open cut contingency	Site-specific design	Open bottom structure, clear span bridge, ice bridge, engineered bridge, or snowfill	Typical (design if engineered bridge)	Yes	The construction method changed to trenchless. The approximate construction timing, KP, and UTM coordinates were updated.
741.1T	Unnamed Tributary (Kitimat River)	665+614	522139	5987442	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	15.69	S2	CH, CM, CO, CCT, DV, KO, PK, RB, SK, and ST	No window	January 1 to December 31	July 30 to August 12	Trenchless; open cut contingency	Site-specific design	Open bottom structure, clear span bridge, ice bridge, engineered bridge, or snowfill	Typical (design if engineered bridge)	Yes	The construction method changed to trenchless. The approximate construction timing, KP, and UTM coordinates were updated.
UN22-19	Side Channel (Kitimat River)	665+920	521834	5987439	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	10.53	S2	CH, CM, CO, CCT, DV, KO, PK, RB, SK, and ST	No window	January 1 to December 31	July 20 to 29	Trenchless; open cut contingency	Site-specific design	Open bottom structure, clear span bridge, ice bridge, engineered bridge, or snowfill	Typical (design if engineered bridge)	No	The construction method changed to trenchless. The approximate construction timing, KP, and UTM coordinates were updated.
UN22-20	Unnamed Tributary (Kitimat River)	666+071	521684	5987438	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	11.65	S2	CH, CM, CO, CCT, DV, PK, RB, and ST	No window	January 1 to December 31	July 10 to 19	Trenchless; open cut contingency	Site-specific design	Open bottom structure, clear span bridge, ice bridge, engineered bridge, or snowfill	Typical (design if engineered bridge)	No	The construction method changed to trenchless. The approximate construction timing, KP, and UTM coordinates were updated.

^a Sites were assessed using the Route G Construction Footprint.

^b Streams are located in the Skeena Region.

^c UTM Zone 9.

^d If a pipeline or vehicle crossing installation is required at an S6 stream that has not been listed in permit applications filed with the BC OGC, Coastal GasLink will:

- Confirm the stream classification with a fish and fish habitat resource specialist prior to crossing activities
- Apply appropriate mitigation and crossing methods for S6 streams, per the EMP (Coastal GasLink 2018) and the crossing methods identified in this table
- Maintain downstream water quality if surface water is present, verify that drainage paths are maintained, reduce the disturbance footprint, and use winter (that is, frozen ground) construction (if practical)
- Add the stream crossings to the Master Watercourse Crossing List and the postconstruction plans for as-built record keeping

^e Fish species that have the potential to be present, based on McPhail (2007), connectivity, habitat conditions, and queries from Fish Inventories Data Queries (Government of British Columbia 2021a), and HabitatWizard (Government of British Columbia 2021b).

^f See Section 3 for more information on the QEP timing windows to meet Condition 60(b) of the Pipeline Permit.

3. Qualified Environmental Professional Timing Windows and Additional Mitigation

3.1 Overview

Several factors were considered when determining QEP alternative timing windows and associated mitigation recommended by a Qualified Professional (QP) (Permit Condition 60b) for BC OGC Construction Section 8, including:

- Provincial LRWs for the Skeena Region
- Proposed construction activities
- Fish presence and habitat potential near the stream crossing

Site-specific mitigation, recommended by a QP, is provided in addition to the standard measures identified in the EMP (Coastal GasLink 2018).

3.2 Qualified Environmental Professional Timing Windows

Fish stream crossings were assigned a provincial LRW for the Skeena Region based on expected species presence (British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development 2018). Expected species presence was based on previous fish sampling information, fish habitat assessments, Fish Inventories Data Queries (Government of British Columbia 2021a), HabitatWizard (Government of British Columbia 2021b), and species distribution information (McPhail 2007). Field study results and desktop review were used to develop and recommend alternative, site-specific reduced risk timing windows termed as QEP timing windows.

3.2.1 No Timing Restrictions (Open Qualified Environmental Professional Timing Windows)

The QP recommended no timing restrictions where there was an absence of suitable spawning habitat within the construction footprint, and low potential for migration to upstream locations. These streams were generally small, had poor or nil habitat potential, were located high in the upper watershed, or had drop structures or other impediments to fish migration. Implementation of the applicable mitigation described in the EMP (Coastal GasLink 2018) is anticipated to avoid negative effects to fish and fish habitat at these stream crossings. The four sites (that is, Sites 741, 741.1T, UN22-19, and UN22-20) in this addendum have a QEP timing window for instream work that is open all year from January 1 to December 31.

4. References

British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development. 2018. *Terms and Conditions for Water Sustainability Act Changes In and About a Stream as specified by Ministry of Forests, Lands, Natural Resource Operations, and Rural Development (FLNRORD) Habitat Officers, Skeena Region*. April. https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/working-around-water/terms_conditions_skeena.pdf.

Coastal GasLink Pipeline Ltd. 2018. *Coastal GasLink Pipeline Project – Environmental Management Plan*. Revision 4. Prepared for Coastal GasLink Pipeline Ltd. December 14.

Fisheries and Oceans Canada. 2019. "Fish and fish habitat protection policy statement, August 2019." Canada.ca. September 24. <http://www.dfo-mpo.gc.ca/pnw-ppe/policy-politique-eng.html>.

Government of British Columbia. 2021a. "Fish Inventories Data Queries (FIDQ)." gov.bc.ca. Accessed June 2021. <http://a100.gov.bc.ca/pub/fidq/welcome.do>.

Government of British Columbia. 2021b. "HabitatWizard." gov.bc.ca. Accessed June 2021. <https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/ecosystems/habitatwizard>.

McPhail, J.D. 2007. *The Freshwater Fishes of British Columbia*. Edmonton, Alberta: The University of Alberta Press, Ring House 2, p. 392-397.

Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, June 22, 2021 9:58 AM
To: Nielsen, Angela C; Stark, Ryan
Cc: Howes, Ken; Anderson, Justin
Subject: RE: Section 8 Leave Request

Much thanks Ang!



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
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bcogc.ca

T. 250 638-6404
s17



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Monday, June 21, 2021 1:20 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Howes, Ken <Ken.Howes@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: RE: Section 8 Leave Request

This has been completed.

Cheers,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, June 21, 2021 12:06 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Howes, Ken <Ken.Howes@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: RE: Section 8 Leave Request

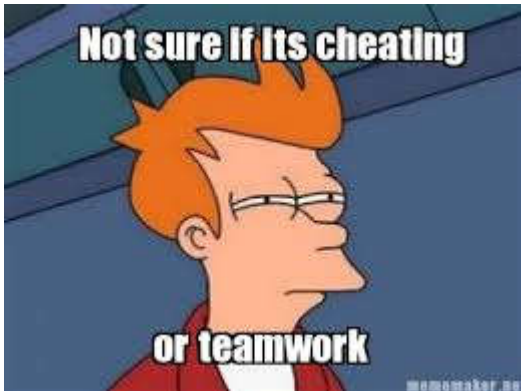
Thanks Angela,

Would you mind please uploading the info package info for this leave request to Dark House's FTP site?

I'm forwarding the leave request to DH now.

Final Result – Leave Request Distributed.

Thank you everyone!



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Monday, June 21, 2021 10:54 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: Section 8 Leave Request

This has been completed.



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Friday, June 18, 2021 3:59 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: Section 8 Leave Request

Hi Ang,

s22

Can you send the Leave Request to Skin Tyee and WFN on Monday morning for me please. The documents will need to be uploaded to the FTP site as well

[K:\Major Projects\Coastal GasLink\Leaves & Satisfaction\FN Consultation\2021-06-14 - CGL - Section 8, Condition 18, 21, 24 38](#)

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
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s17



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Keough, Dana

From: Phillips, Lori L
Sent: Friday, June 25, 2021 2:00 PM
To: s19
Cc: Anderson, Justin; Friedrich, Hardy
Subject: FW: Update to CGL July 2021 Watercourse Crossing Report #15 for Section 8
Attachments: OGC Watercourse Crossings Section Reports July 2021 - Report #15_Section 8.pdf

Slight update for s. 8 - FYI



Lori Phillips
Authorizations Manager
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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Friday, June 25, 2021 1:46 PM
To: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: Update to CGL July 2021 Watercourse Crossing Report #15 for Section 8

Hi Lori,

Please see attached for an updated watercourse crossing table for Section 8 for July 2021. Please note that an additional watercourse (WC 720) has been included in the table.

Thank you,

Tracy Young
Senior Regulatory Analyst
Contractor representing TC Energy

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile s22
TCEnergy.com

Table 7: Section 8 Watercourse Crossings Schedule

Watercourse Name	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	UTM Zone	Easting	Northing	Work Scheduled Start Date	Work Scheduled End Date	Summary of Activities Planned for the month
Unnamed Tributary (Burnie River)	8	1749.00-WC	42D1	S3	Isolated Open Cut	587+946	9	580972	6004021	22-Jun-2021	29-Jun-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Burnie River)	8	1750.00-WC	137C	S4	Isolated Open Cut	588+448	9	580450	6004016	9-Jul-2021	2-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Burnie River)	8	1751.00-WC	138C	S4	Isolated Open Cut	588+499	9	580399	6004008	9-Jul-2021	2-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2015.00-WC	722	S5	Isolate Open cut	KP 649+408	9	534723	5993663	27-Jun-2021	8-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2017.10-WC	723F	S3	Isolate Open cut	KP 650+527	9	533769	5993831	8-Jul-2021	13-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2012.00-WC	721	S4	Isolate Open cut	KP 648+967	9	535046	5993373	14-Jul-2021	22-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2005.00-WC	28D	S2	Isolate Open cut	KP 647+946	9	535641	5992664	22-Jul-2021	29-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Hirsch Creek)	8	2001.54-WC	S1013	S3	Isolate Open cut	KP 647+553	9	535890	5992376	30-Jul-2021	5-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Kitimat River)	8	2086.00-WC	741	S3	Auger Bore	KP 665+228	9	522559	5987445	7-Jul-2021	28-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Pine Creek)	8	2077.00-WC	739.1T	S3	Isolate Open cut	KP 664+007	9	523575	5987651	17-Jul-2021	23-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Kitimat River)	8	2076.00-WC	UN22-17	S3	Isolate Open cut	KP 663+731	9	523585	5987927	24-Jul-2021	29-Jul-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Pine Creek)	8	2072.10-WC	UN22-15	S3	Isolate Open cut	KP 662+446	9	523882	5988970	29-Jul-2021	3-Aug-2021	Site preparation and pipe installation via isolated open cut
Unnamed Tributary (Kitimat River)	8	2091.00-WC	UN22-20	S2	Auger Bore	KP 666+084	9	521684	5987438	10-Jul-2021	19-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Side Channel (Kitimat River)	8	2090.00-WC	UN22-19	S2	Auger Bore	KP 665+955	9	521834	5987439	20-Jul-2021	29-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Kitimat River)	8	2089.00-WC	741.1T	S2	Auger Bore	KP 665+649	9	522139	5987442	30-Jul-2021	12-Aug-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Kitimat River)	8	2096.00-WC	S1073	S2	Auger Bore	KP 666+562	9	521244	5987405	1-Jul-2021	9-Jul-2021	Excavate Bore Bays and Set up, Install Casing, Pull Product
Unnamed Tributary (Kitimat River)	8	2009.00-WC	720	S2	Isolate Open cut	KP 648+723	9	535237	5993232	10-Jul-2021	18-Jul-2021	Site preparation and pipe installation via isolated open cut

Keough, Dana

From: Bourke, Jacqueline
Sent: Thursday, June 17, 2021 2:11 PM
To: Anderson, Justin
Subject: CGL Leave Request - Sec 8 -
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditions 18, 20, 24, and 38.docx

Hi Justin,

CGL is requesting leave of the Commission for the following conditions of the Section 8 pipeline permit:

Condition 18 – Additional Temporary Workspace (ATWS) in Riparian Management Area (RMA);
Condition 20 – Clearing in Wildlife Habitat Area (WHA) and Old Growth Management Area (OGMA);
Condition 24 – Clearing and site preparation in previously undisturbed areas; and
Condition 38 – Clearing within WHA 6-283 for bull trout between September 1 and June 15.

s16

As a result of this realignment, CGL will require approximately 2.23ha of ATWS outside of the current footprint, but still within the construction corridor, in areas that are not previously disturbed. CGL confirms that by granting this leave request, the total amount of new cut on Crown land will not be exceeded. The realignment will reduce the crossings of the cultural heritage trail (original route crosses the trail twice), avoids crossing Lake 1F and avoids disturbance to watercourse #UN43-10 (S3 stream).

Regarding leave of conditions 20 and 38: Leave to Condition 38 is requested if there is a delay in receiving any of the required approvals that may push construction beyond September 1, 2021. As with the original permitted pipeline route, the requested ATWS shows overlap with wildlife habitat area (WHA) 6-283 for bull trout. Specific locations of bull trout WHAs are considered sensitive data, so the polygons available are much larger than the actual established area. Commission staff acquired the actual WHA shapes from MFLNRO and determined that the requested ATWS for the realignment is not in conflict with the actual WHA boundaries. For condition 20, new clearing for ATWS within OGMA will still need to be considered, however, due to the reason for the realignment and the fact that the original route already passes through the OMGA, the request seems reasonable.

Regarding leave of condition 18: Watercourse ID#598 is crossed by the permitted ROW and the crossing method in that location was planned as an isolated open-cut or open cut if dry or frozen. The proposed realignment will cross watercourse ID#598 using the same crossing method as planned for the original alignment although the crossing location will change slightly. CGL states that this will be updated in a revised Supplemental Stream Crossing Submission. Since the disturbance within this RMA had already been planned and approved with the previous route, granting this leave should not create any further impacts than what has already been approved.

Thanks,

Jacque

s13

Keough, Dana

From: Phillips, Lori L
Sent: Friday, June 11, 2021 9:04 AM
To: Anderson, Justin; Friedrich, Hardy
Subject: FW: CGL Section 8 Leave Request
Attachments: CGL4703-CGP-REG-LEAVRQ-0107_S8_ATWS_Lake1F.pdf; OGC leave Form Sec 8 Cond 18_21_24_38_Lake1F.pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf; CGL4703-CGP-IR-RP-0141_Dark House.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf



Lori Phillips
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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Thursday, June 10, 2021 4:05 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: CGL Section 8 Leave Request

Please find attached a request for leave for ATWS in Section 8 (AD #100084230) for a pipeline realignment to reduce potential impact to a cultural heritage trail as well as fish & fish habitat.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile
TCEnergy.com

s22

s16
Pages: 30-49

June 10, 2021

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
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Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0107

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Project)
Leave of the Commission Request
Section 8 Pipeline Permit (AD # 100084230) Conditions 18, 20, 24 and 38**

Please find enclosed a request for Leave of Commission for the noted conditions in BC Oil and Gas Commission (OGC) Section 8 permit: Condition 18 – Additional Temporary Workspace (ATWS) in Riparian Management Area (RMA); Condition 20 – Clearing in Wildlife Habitat Area (WHA) and Old Growth Management Area (OGMA); Condition 24 – ATWS and Condition 38 – Clearing within WHA between September 1 and June 15.

s16

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC on this request prior to July 9, 2021.

Should you have any questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following conditions in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

18. *Clearing and site preparation must not occur within a RMA except:*
- a) *the pipeline right of way, temporary workspace and shooflies, as shown on the construction plans;*
 - b) *to facilitate a stream or wetland crossing;*
 - c) *where it does not involve new clearing and existing clearings do not have a reestablished vegetative cover; or*
 - d) *with leave of the Commission.*
20. *Except as shown on the construction plans or with leave of the Commission, incremental clearing for additional work space is not permitted within:*
- a) *a wildlife habitat area;*
 - b) *an ungulate winter range; or*
 - c) *old growth management areas.*
24. *Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:*
- a) *a previously disturbed area is less than 2 hectares;*
 - b) *such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
 - c) *the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

and,

38. *Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within WHA 6-283 between September 1 and June 15.*

1.1 REASON FOR REQUEST

In an effort to reduce potential impacts to a cultural heritage trail and potential impacts to fish and fish habitat in Section 8, Coastal GasLink has undertaken further assessment of the right of way (ROW) and identified an area for realignment of the

pipeline to address site-specific construction issues/concerns. The location and reasoning for the change, including reference to the attached map (CGW4703-MCSL-G-MP-2802-ATWS_LAKE_1F-Rev0), are indicated in Table 1. Coastal GasLink requests leave of the Commission for additional temporary workspace (ATWS) (Condition 24) that overlaps with the riparian management area (RMA) of watercourse site ID#598, Unnamed Tributary to Gosnell Creek (Condition 18) and is partially located within wildlife habitat area (WHA) 6-283 and Old Growth Management Area (OGMA) SKE_MOR_1541 (Condition 20). Construction will commence upon receipt of required approvals and authorizations. Leave to Condition 38 is requested if there is a delay in receiving any of the required approvals that may push construction beyond September 1, 2021.

Watercourse ID#598 is crossed by the permitted ROW and crossing method in that location was planned as an isolated open-cut or open cut if dry or frozen. The proposed realignment will cross watercourse ID#598 using the same crossing method as planned for the original alignment although the crossing location will change slightly. This will be updated in a revised Supplemental Stream Crossing Submission.

Coastal GasLink requires new ATWS totalling approximately 2.23 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Across all of the Section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 308 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for specific changes is identified in Table 1 and the attached map (CGW4703-MCSL-G-MP-2802-ATWS_LAKE_1F-Rev0).

Table 1: Additional Temporary Workspace

Area No.	KP (Rev G)	Area (ha)	Reason for Shift
ATWS LAKE 1F	586+750_R0	2.23	Space required to accommodate the pipeline realignment. The realignment will reduce the crossings of the cultural heritage trail (original route crosses the trail twice), a voids crossing Lake 1F and a voids disturbance to watercourse #UN43-10 (S3 stream).
Total		2.23	

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlines the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

Riparian management areas (RMAs), including RRZ, are transitional areas adjacent to a stream, wetland or lake where there is a distinct shift in vegetation from aquatic to upland communities. Special management is required in RMAs to conserve fish or wildlife habitat, biodiversity and water values in the area (BC OGC 2016).

Riparian areas contribute to fish habitat through provision of shade, overhead cover, undercut banks, woody debris, bank stability and filtration of sediments and contaminants. Riparian vegetation will be disturbed within the construction footprint, temporary workspace, watercourses crossings and where access roads are upgraded or where new roads are constructed.

Coastal GasLink's EAC Application considered the effects of clearing of riparian areas (Section 7 of the Application), and concluded that the effect, after implementation of mitigation, of pipeline construction on alteration or loss of riparian vegetation is considered to be within environmental and regulatory standards (BC MOE and BC MOF 1995, CAPP et al. 2005) and, consequently, of low magnitude. The residual effect is considered to be reversible in the medium to long-term. Application of appropriate mitigation will reduce the residual effects of construction within riparian areas.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential adverse environmental effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Conduct clearing near watercourses or wetlands as described in Section 7.1 and Section 8.4 of the EMP.
- During clearing, fell trees towards the ROW, wherever practical. Recover trees that inadvertently fall into adjacent undisturbed vegetation.
- Avoid disturbance to environmentally sensitive features during clearing as identified by the appropriate signage or fencing. The Environmental Inspector(s) and appropriate Resource Specialist will determine the size of avoidance buffer surrounding these features, if appropriate.
- Where practical, leave stumps in place, particularly on streambanks, to provide surface stability. Dispose of stumps removed from the required work areas by burning or chipping, or stockpile for use in access or line-of-sight control.
- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the width of grading in order to limit the potential for erosion and subsoil compaction, where practical.
- Where practical, avoid grading in riparian areas until installation of the vehicle crossing.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.

- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

If heritage or palaeontological features (e.g., arrow heads, modified bone, fossils) not previously identified are found on the ROW or facility site during construction or Traditional Land Use (TLU) sites not previously identified are found on the ROW during construction the Heritage Resource Discovery Contingency Plan (Appendix C.11) and the TLU Sites Discovery Contingency Plan (Appendix C.12) will be implemented, respectively.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment. The new ATWS is directly adjacent or in close proximity to the approved footprint.

Mitigation for impacts to riparian areas was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Aboriginal groups. Coastal GasLink will implement this mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on RMA, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

RANGE TENURE
RAN077588 A
GUIDE
601109
TRAPPER
TR0609T023

WILDLIFE HABITAT AREA
6-333

FOREST DISTRICT
Nadina Natural Resource District

DISTRICT
KITIMAT-STIKINE

DISTRICT
BULKLEY-NECHAKO

CANADIAN FOREST
PRODUCTS LTD.
R07593 6 CP 573

LEGEND :

- Section 8 Centreline Rev 5
- Proposed Re-Route
- Watercourse
- EA Corridor
- OGC PLCC
- Road
- Old Growth Management Area
- Regional District Boundary
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Wetlands
- Area Outside OGC Permit
- Wildlife Habitat Area

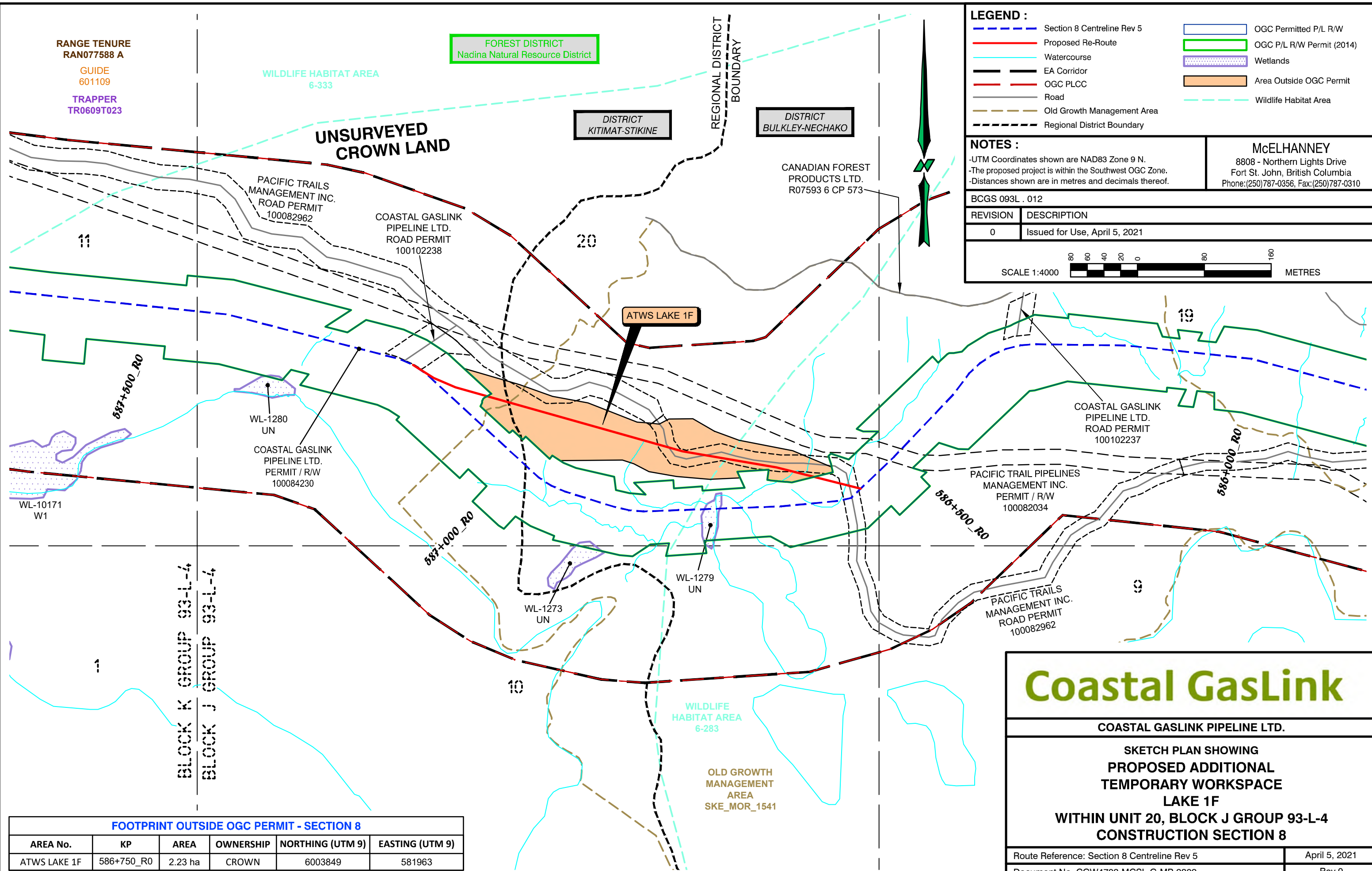
NOTES :

- 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 - Northern Lights Drive
Fort St. John, British Columbia
Phone:(250)787-0356, Fax:(250)787-0310

BCGS 093L . 012

REVISION	DESCRIPTION
0	Issued for Use, April 5, 2021



FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8					
AREA No.	KP	AREA	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS LAKE 1F	586+750_R0	2.23 ha	CROWN	6003849	581963

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
TEMPORARY WORKSPACE
LAKE 1F**
WITHIN UNIT 20, BLOCK J GROUP 93-L-4
CONSTRUCTION SECTION 8

Route Reference: Section 8 Centreline Rev 5	April 5, 2021
Document No. CGW4703-MCSL-G-MP-2802	Rev 0



LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8 (see Map)		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	<p>Permit application Determination number: <u>100084230</u></p> <p>18. <i>Clearing and site preparation must not occur within a RMA except:</i></p> <ul style="list-style-type: none"> a) <i>the pipeline right of way, temporary workspace and shooflies, as shown on the construction plans;</i> b) <i>to facilitate a stream or wetland crossing;</i> c) <i>where it does not involve new clearing and existing clearings do not have a reestablished vegetative cover; or</i> d) <i>with leave of the Commission.</i> <p>21. <i>Except with leave of the Commission, incremental clearing for additional work space is not permitted within the riparian reserve zone of streams with a riparian classification of S1-S3.</i></p> <p>24. <i>Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:</i></p> <ul style="list-style-type: none"> a) <i>a previously disturbed area is less than 2 hectares;</i> b) <i>such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or</i> c) <i>the permit holder is granted leave by the Commission to carry out such clearing and site preparation.</i> <p>38. <i>Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within WHA 6-283 between September 1 and June 15.</i></p>	
Rationale for Request	Coastal GasLink requires new additional temporary workspace of approximately 2.23 ha outside of the current footprint, within the pipeline construction corridor, in areas that are not previously disturbed. Extra workspace required to facilitate pipeline realignment around a cultural heritage trail and lake.	
Desired Date of Request Completion	July 9, 2021 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Skin Tyee Nation – comments in attachment	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Office of the Wet'suwet'en – comments in attachment	<input checked="" type="checkbox"/> Leave of Commission Form	
Wet'suwet'en First Nation – comments in attachment	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	

Dark House – comments in attachment	
Carrier Sekani Tribal Council	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request on May 27, 2021.	
WORKS IN AND ABOUT A STREAM	<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No	

WORKS IN AND ABOUT A STREAM													<input type="checkbox"/> N/A	E
Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.	
									Bridge	Major Culvert	Ice Bridge	Other (please,)		

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------

Attach any documentation that will support a Commission Review:
Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
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I <u>Tracy Young</u> hereby attest that the information contained herein is true and correct:	
(Print Name)	
	
_____ AUTHORIZED SIGNATORY OF APPLICANT COMPANY	2021/06/10 DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: <input type="checkbox"/> Yes <input type="checkbox"/> No
Commission Comments:
AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)
DISTRIBUTION:
ADDITIONAL ATTACHMENTS:

Keough, Dana

From: O'Hanley, James G
Sent: Thursday, June 3, 2021 1:36 PM
To: Anderson, Justin; Phillips, Lori L
Subject: RE: Clarification on CGL Section 8 Condition 36 & 37

s13

Justin,



James O'Hanley
Vice President, Applications
James.O'Hanley@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5261
F. 250-419-4403
s17



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From: Anderson, Justin <Justin.Anderson@bcogc.ca>
Sent: Thursday, June 3, 2021 1:05 PM
To: O'Hanley, James G <James.O'Hanley@bcogc.ca>; Phillips, Lori L <Lori.Phillips@bcogc.ca>
Subject: RE: Clarification on CGL Section 8 Condition 36 & 37

s13



Justin Anderson
Authorizations Manager
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T. 250 794-5243
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From: O'Hanley, James G <James.O'Hanley@bcogc.ca>
Sent: Thursday, June 3, 2021 12:14 PM
To: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Cc: Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: RE: Clarification on CGL Section 8 Condition 36 & 37

s13



James O'Hanley
Vice President, Applications
James.O'Hanley@bcogc.ca

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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Thursday, June 3, 2021 10:59 AM
To: O'Hanley, James G <James.O'Hanley@bcogc.ca>
Cc: Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: FW: Clarification on CGL Section 8 Condition 36 & 37

Hi James, could we check in with you about the inquiry below from CGL re: murrelet restrictions?



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Tuesday, June 1, 2021 2:00 PM
To: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: Clarification on CGL Section 8 Condition 36 & 37

Afternoon,

I would like to clarify Condition 36 and 37 on Section 8 Pipeline Permit (AD 100084230). Condition 36 states: *Except with leave of the Commission or in accordance with condition 37, the permit holder must not undertake clearing activities from KP630 to KP660 between April 1 and September 15 or within 30 metres of any active marbled murrelet nest that was identified during construction preparation surveys.*

Condition 37 states:

For any clearing activities that occur between KP630 and KP660 between April 1 and September 15, a qualified specialist must be on site to assess the risk to marbled murrelet. If a marbled murrelet or its active nest is determined to be at risk, construction operations must be suspended in the vicinity of the occupied site or nest until a site specific mitigation plan has been developed to the satisfaction of the Commission. All subsequent clearing activities in the vicinity of the occupied site or nest must be conducted in accordance with that plan.

I interpret Condition 36 to mean that we can undertake clearing activities from KP 630 to 660 between April 1st and September 15th if we have leave or if we follow the requirements noted in Condition 37. I would like to confirm that if we have leave under Condition 36 then we do not need to have a qualified specialist on site as is noted in Condition 37 – is that correct?

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile

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s22

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Thank you

Keough, Dana

From: Thoroughgood, Garth
Sent: Thursday, May 6, 2021 10:35 AM
To: Paulson, Ken; O'Hanley, James G
Subject: FW: CGL: Quick touch-base
Attachments: Section 8 -KP 586.pdf

I had a call with Dan W this morning (and Lori and Patrick).

I'll be asking Joel to speak about this.....thought the aerial photo would help once it comes up.



Garth Thoroughgood
Executive Director, Major Projects
Garth.Thoroughgood@BCOGC.ca

Victoria BC
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bcogc.ca

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F. 250-419-4403
s17



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From: Dan Wyman <dan_wyman@tcenergy.com>
Sent: Thursday, May 6, 2021 9:47 AM
To: Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Phillips, Lori L <Lori.Phillips@bcogc.ca>; Smook, Patrick <Patrick.Smook@bcogc.ca>
Subject: RE: CGL: Quick touch-base

All thanks for your time this morning. Attached is a quick map of the area in question for reference. The dotted blue line is the approved OGC footprint, the solid blue line is the footprint CGL has approved for our contractors to clear-within and the pink dotted line is the pipe centreline. The area in question is the portion of the road directly north of the lake.

-Dan

Dan Wyman
Regulatory -CGL
O: 403.920.6296 | M: s22
TCEnergy.com

-----Original Appointment-----

From: Dan Wyman
Sent: Thursday, May 6, 2021 9:19 AM
To: Dan Wyman; Thoroughgood, Garth; Lori Phillips; Smook, Patrick

Subject: CGL: Quick touch-base

When: Thursday, May 6, 2021 10:30 AM-11:00 AM (UTC-07:00) Mountain Time (US & Canada).

Where: Microsoft Teams Meeting

Good morning folks, I was wondering if you guys might have 10min just after the liaison call ends to briefly discuss an issue that was identified yesterday. Lori, I tried to give you a call last night on this and left a message but I think potentially having the three of you on the call might be helpful. Joel will also be speaking with James and Ken about this issue in his call later this morning.

Thanks.

-Dan

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Join with a video conferencing device

tcenergy@m.webex.com

Video Conference ID s22

[Alternate VTC dialing instructions](#)

Or call in (audio only)

[+1 587-747-3956,446378317#](#) Canada, Calgary

Phone Conference ID: s22

[Find a local number](#) | [Reset PIN](#)



Consent is required from all participants before recording a meeting. If no one declines consent, make note of this and start the recording by stating, "consent has been obtained by all meeting participants to record this meeting"

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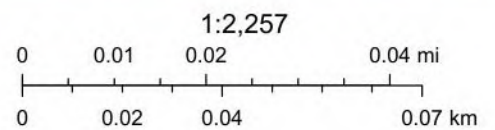
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Coastal GasLink Project Section 8



5/6/2021, 10:42:43 AM

- | | | |
|--|--|--|
| UAV Extent A | ■ Blue: Band_3 | ■ Green: Band_2 |
| ■ Red: Band_1 | UAV Extent C | ■ Blue: Band_3 |
| ■ Green: Band_2 | ■ Red: Band_1 | UAV Extent F |
| ■ Blue: Band_3 | ■ Green: Band_2 | ■ Red: Band_1 |
| UAV Extent B | ■ Blue: Band_3 | ■ Green: Band_2 |
| ■ Red: Band_1 | UAV Extent E | ■ Blue: Band_3 |
| ■ Green: Band_2 | ■ Red: Band_1 | ◆ KPs Minor |



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, NRCAN

Author: CWL Energy

Keough, Dana

From: Anderson, Justin
Sent: Wednesday, May 5, 2021 10:11 AM
To: Thomas, Sarah; Bourke, Jacqueline
Subject: FW: CGL Section 8 Leave Request WHA 6-333
Attachments: CGL4703-CGP-REG-LEAVRQ-0108.pdf; OGC leave form Sec 8 WHA .pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Wednesday, May 5, 2021 9:52 AM
To: Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: FW: CGL Section 8 Leave Request WHA 6-333



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Tuesday, May 4, 2021 3:47 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: CGL Section 8 Leave Request WHA 6-333

Please find attached a request for leave to Condition 41 of the Section 8 Pipeline Permit (AD# 100084230) to proceed with clearing within Wildlife Habitat Area (WHA) 6-333 between May 15 and July 15..

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

s22

tel: 778-328-5327 mobile

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Thank you

s16

Pages: 458-474

May 4, 2021

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0108

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Condition 41**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8, Condition 41 – clearing in WHA 6-333 between May 15 and July 15.

Coastal GasLink has engaged with Ministry of Forests, Lands, Natural Resource Operations and Rural Development regarding continuation of construction activities including clearing within the WHA 6-333 during the period of May 15 and July 15 and they agreed that construction activities could proceed with implementation of mitigation that is detailed in the attached leave request.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to May 15, 2021.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests “Leave of the Commission” for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

41. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within WHA 6-333 between May 15 and July 15.

1.1 REASON FOR REQUEST

The revision G route (Rev G) of the Coastal GasLink pipeline right-of-way (ROW) and associated footprint, within the approved Environmental Assessment and OGC construction corridor, located in Section 8 at approximately KP 587+710 to 592+880 overlaps with the Wildlife Habitat Area (WHA) 6-333 (see Appendix A: Maps).

Much of the ROW has been cleared through the WHA however specific areas e.g. temporary workspace, watercourse crossings, challenging terrain, etc. within the WHA remain uncleared due to environmental or regulatory restrictions. Although Coastal GasLink is committed to completing clearing activities within WHA 6-333 prior to May 15, additional site assessments e.g. watercourse, wetland, whitebark pine and/or archaeology, must occur in snow free conditions and are required prior to clearing. It is unlikely that these assessments can be completed prior to May 15. Coastal GasLink requires leave of the Commission to complete clearing in this area to be able to progress to the next phase of construction and avoid an impact to the project’s overall schedule.

Coastal GasLink has engaged with Ministry of Forests, Lands, Natural Resource Operations and Rural Development regarding continuation of construction activities including clearing within the WHA 6-333 during the period of May 15 and July 15 and they agreed that construction activities could proceed with the implementation of the mitigation noted in Section 3.0 and in the Coastal GasLink Environmental Management Plan (EMP).

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

The construction corridor routing through this WHA is constrained by multiple terrain features including river valleys and mountain passes. The routing has followed the route selection criteria which includes include minimizing the total route length, or footprint of the project, and the potential adverse effects on landowners, land users

and the environment. There is also consideration for technical components such as design and constructability.

This area is constrained by many major features which requires multiple working fronts to be active simultaneously to balance all the constraints and considerations through this area. Due the linear nature of pipeline construction, and the constrained working area, the right-of-way must be cleared, and access established in specific areas in advance of subsequent work fronts working in areas beyond. The right-of-way and access must be developed to a state that supports the safe construction of the pipeline while managing all known constraints and considerations to minimize potential adverse effects.

2.2 ENVIRONMENTAL EFFECT

Construction Section 8 is located entirely outside of the delineated Telkwa herd range boundary but crosses the Core Area of the Telkwa caribou WHA 6-333 between approximately KP 587+700 and 592+900. Temporary construction access (shoo-fly RW-300.0 [BC OGC permit 100084230]) is also located within WHA 6-333.

Telkwa caribou spend most of the year at high elevations. They do not migrate, though they may move from high elevation habitats to lower elevation forests in response to food availability or weather conditions and some individuals move between the east and west ranges of the Telkwa mountains (BC MFLNRORD n.d.). A study of Telkwa caribou habitat use during the calving period of May to July reported that cows with calves stayed at significantly higher elevations (mean elevation 1623 m above sea level [asl]; range 991 m asl to 2062 m asl) during the calving period than cows without calves (mean elevation 1493 m asl; range 683 m asl to 1902 m asl) (Stronen 2000). This aligns with other reporting that Telkwa caribou calve at high elevations (BC MFLNRORD 2017, as cited in BC MFNLRORD n.d.). The elevation of the Coastal GasLink ROW through WHA 6-333 is approximately 852 m asl to 1073 m asl, which is the lower elevational range at which caribou cows with calves may occur during the calving and early rearing period.

Following meetings on July 9 and August 12, 2020, BC MFLNRORD's wildlife biologists reviewed available data for the Telkwa caribou herd relative to the anticipated Project locations and schedule and provided a summary of their review and recommended mitigation. The BC MFLNRORD data review concluded that there is a low probability of Telkwa caribou using the area in proximity to Construction Section 8 during the January 15 to July 15 timing window.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures outlined in the EMP to avoid or reduce potential environmental adverse effects during construction of the Project.

Coastal GasLink will implement the following applicable mitigation measures to avoid or reduce the potential adverse effect of sensory disturbance to Telkwa caribou during the sensitive calving and early rearing period of May 15 to July 15.

- Recreational use of all-terrain vehicles or snowmobiles by Project personnel on the Project footprint and Project access will be prohibited.
- Multi-passenger vehicles will be used, wherever practical, to transport crews to and from job sites.
- Winter speed limits of 80 km/hr on high grade roads and 60 km/hr on secondary roads in UWRs and WHAs will be posted, unless otherwise directed by an applicable transportation authority.
- Project personnel will be prohibited from having pets on the Project.
- Construction materials (e.g., cables, wires and fencing) will be properly stored to avoid potential hazards for wildlife.
- Harassment or feeding of caribou or other wildlife by Project personnel will not be tolerated.
- Recreational hunting/shooting/firearms will not be permitted on the work site.
- Low elevation helicopter and fixed wing flights over UWR and WHA within the Certified Pipeline Corridor will be conducted in accordance with timing restrictions and recommended minimum separation distances specified in the Compendium of Wildlife Guidelines for Industrial Development Projects in the North Area, British Columbia as recommended by BC MFLNRORD.
- Confine all motorized vehicle traffic, including ATV, Argo and snowmobile traffic, to the approved route, access roads or trails, except where specifically authorized by the appropriate authority.
- Access to the Project footprint will be restricted during construction to those specifically given authority (e.g., staff and contractors).
- Flag and sign all access points to the ROW to discourage public use.
- Speed limits will be established and enforced on all access used for the Project, per the Traffic Control Management Plan and the contractor's Traffic Management Plan. Generally, post winter speed limits of 80 km/hr on high grade roads and 60 km/hr on secondary roads in UWRs, unless otherwise directed by an

applicable transportation authority (i.e., adhere to the posted speed limit for a road if it is less than these speeds).

- Multi-passenger vehicles will be used to transport workers to and from job sites. Copies of the CMMP and associated documents will be made available to key Project construction and contractor staff during construction.
- Personnel working on site will be made aware of Coastal GasLink’s commitment to caribou conservation and the requirements outlined in this CMMP. Education and awareness will be conducted at various onsite meetings (i.e., kick-off meeting, Project orientation and daily tailgate meetings when working in caribou range).
- Site-specific construction measures will be emphasized at onsite meetings and provided on the Environmental Worksheets.
- Signage and bulletins will be posted at the Project trailers, alerting workers to the sensitivities associated with working in caribou range.
- The Environmental Inspector will ascertain that caribou protection measures are implemented during Project construction, and a Qualified Professional will supervise the implementation.
- Communicate to construction personnel the locations where wildlife are repeatedly observed, and the expectations of following speed limits along the Project access and construction footprint.
- Coastal GasLink and the Environmental Inspector(s) will liaise with appropriate government agencies.
- Wildlife sighting information will be reported to BC MFLNRORD.
- Coastal GasLink personnel and contractors will record all caribou sightings during construction and operation. Sightings will be compiled by the Environmental Inspector.
- If caribou are encountered on the road, on the ROW or within approximately 200 m of the ROW (where visibility allows), vehicles/equipment will be stopped with engine off and lights dimmed or off, and remain stopped until the caribou moves off the road or ROW to a distance more than approximately 200 m away (as visibility allows). Project personnel will not harass or attempt to move or scare caribou off the road and will not use vehicle horns or other alarms as scare tactics. Once the animal has moved more than approximately 200 m off the road or ROW (as visibility allows), the vehicle/equipment will wait about five minutes and then proceed with caution, moving slowly (maximum 25 km/h) past the area where the animal was observed.

- If caribou are encountered more than approximately 200 m from the road or ROW (as visibility allows), Project personnel will slow down (maximum 50 km/h) and proceed with caution. Others working nearby will be advised that there are caribou in the area.
- If an injured caribou is encountered, the sighting will be reported to the Environmental Inspector who will contact BC MFLNRORD and the Conservation Officer Service to discuss appropriate options.
- Any incidents with wildlife or collisions with wildlife will be reported by the Environmental Inspector to BC MFLNRORD.

4.0 CONCLUSION

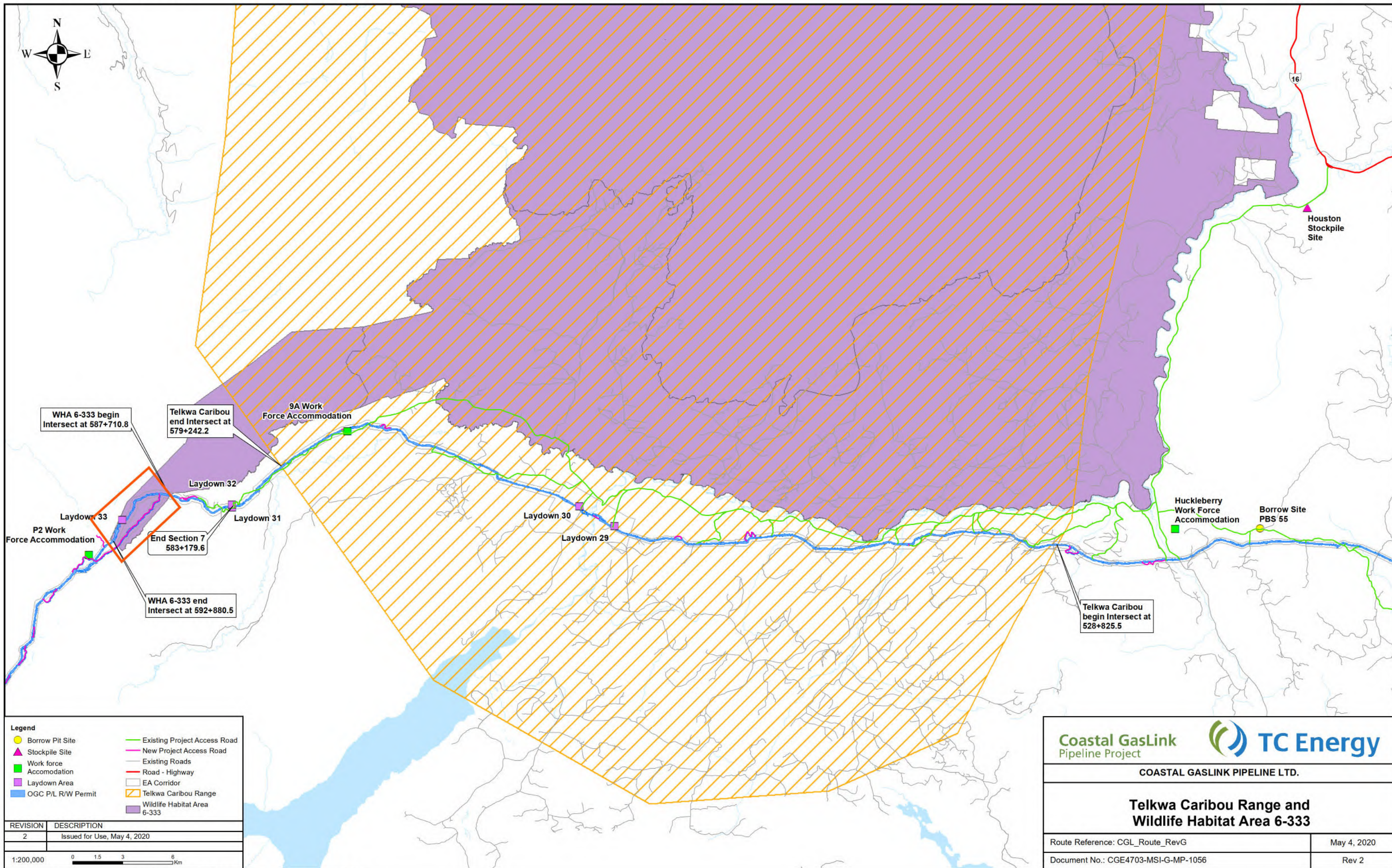
With implementation of the mitigation summarized in Section 3 and considering the limited potential for caribou to be using the habitat in proximity to the Project, the residual adverse effects and cumulative adverse effects of sensory disturbance to caribou are predicted to be reduced to low or negligible levels.

5.0 REFERENCES

British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development (BC MFLNRORD). n.d. Draft Woodland Caribou Plan Telkwa Subpopulation, Telkwa Local Population Unit. ii + 23 pp.

BC MFLNRORD. 2017. South Skeena caribou strategy - a plan to support the conservation and management of the Telkwa, Tweedsmuir-Entiako and Takla caribou herds. Smithers, BC.

Stronen, A. V. 2000. Habitat selection and calf survival in the Telkwa Caribou herd, British Columbia 1997-2000 (Unpublished master's thesis). University of Calgary, Calgary, AB.



Legend

- Borrow Pit Site
- ▲ Stockpile Site
- Work force Accommodation
- Laydown Area
- OGC P/L R/W Permit
- Existing Project Access Road
- New Project Access Road
- Existing Roads
- Road - Highway
- EA Corridor
- Telkwa Caribou Range
- Wildlife Habitat Area 6-333

REVISION	DESCRIPTION
2	Issued for Use, May 4, 2020

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Km

Coastal GasLink
Pipeline Project

COASTAL GASLINK PIPELINE LTD.

Telkwa Caribou Range and Wildlife Habitat Area 6-333

Route Reference: CGL_Route_RevG	May 4, 2020
Document No.: CGE4703-MSI-G-MP-1056	Rev 2



LEAVE OF COMMISSION FORM Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: OGC, Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200	Date Received
--	---------------

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.: CGL4703-CGP-REG-LEAVRQ-0108	
APPLICATION INFORMATION		C
Surface Location: Section 8 see attached map		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 <i>41. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within WHA 6-333 between May 15 and July 15.</i>	
Rationale for Request	Majority of the ROW has been cleared however discrete areas e.g. temporary workspace, watercourse crossings, etc. within this zone remain uncleared due to environmental or regulatory restrictions. Clearing is required within the WHA to facilitate construction of the Coastal GasLink Pipeline Project and will need to be conducted during the restricted period outlined in Condition 41. More details are provided in the attached document.	
Desired Date of Request Completion	May 15, 2021 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION										D	
Ensure the following are attached to the application for First Nations engagement purposes:											
First Nations					Attachments						
Carrier Sekani Tribal Council					<input type="checkbox"/> Cover letter (2 copies for each notification area affected)						
Office of the Wet'suwet'en – see attachment					<input checked="" type="checkbox"/> Leave of Commission Form						
Wet'suwet'en First Nation- see attachment					<input checked="" type="checkbox"/> Any documents provided to support Leave Request						
Skin Tyee First Nation – see attachment											
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request on April 30, 2021											
WORKS IN AND ABOUT A STREAM											
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Crossing Number											
										<input type="checkbox"/> N/A	E
Crossing Number											
Crossin	UTM Zone	UTM Location	Stream / Waterbody Name	Rip area	Ban k	Stre am	FHA	Temporary or	Stream Crossing Methods	Does the crossing type	

g Nu m b e r									Permanent Crossing (T/P)	Bridge	Major Culvert	Ice Bridge	Other (please, indicate)	meet the peak flow requirements (Y/N) If no, provide justification.
		N												
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		N												

ADDITIONAL INFORMATION REQUIREMENTS	F
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Attach any documentation that will support a Commission Review:

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:

(Print Name)



AUTHORIZED SIGNATORY OF APPLICANT COMPANY

2021/05/04
 DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Bourke, Jacqueline
Sent: Friday, April 23, 2021 3:56 PM
To: Anderson, Justin
Subject: RE: CGL Section 8 Leave Request KP 588
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditions 18, 21 and 24.docx

Hi Justin,

After follow up communication about this leave request, CGL confirms that they will avoid the wetland and associated RMA once the wetland boundaries have been ground-truthed, as right now the boundaries have been based on desktop review. CGL also states that it is not feasible to relocate the ATWS outside of the caribou WHA for multiple reasons (as outlined in their April 23 email response) and confirms that they plan to have the work done prior to the timing window starting May 15th. If they are not able to comply to the timing window, CGL confirms that they would apply for leave of condition 41 if required.

Let me know if you need any other information, otherwise a draft letter is attached for you.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
F. 250-794-5390



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From: Bourke, Jacqueline
Sent: Tuesday, April 20, 2021 10:19 AM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: RE: CGL Section 8 Leave Request KP 588

Hi Justin,

CGL is requesting leave of conditions 18, 20, and 24 for additional temporary workspace (ATWS) outside of the approved footprint overlapping with the riparian management area (RMA) of a wetland and Wildlife Habitat Area 6-333. CGL states that they have identified one area (described in the included Table 1) where 3.64ha of space is required for contractor warehouse, laydown, mechanics tent, etc. The ATWS for is located within the pipeline construction corridor and CGL confirms the new cut total for this section of the project would not be exceeded by granting this request. CGL also states

that existing mitigation measures for construction near watercourses and within riparian areas will be implemented. The wetland that the affected RMA belongs to is a larger W1, although it is not ideal to locate a temporary workspace there, permanent negative effects could be mitigated or avoided by following the approved management plans. The leave request also states that an application has been submitted under Section 11 of the Water Sustainability Act for authorization to make changes in and about S6 watercourse 678.1T, however this may be an error as their included sketch plan and table don't indicate impacts to an S6.

s13



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
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From: Anderson, Justin <Justin.Anderson@bcogc.ca>

Sent: Tuesday, April 6, 2021 9:01 AM

To: Bourke, Jacqueline <Jacqueline.Bourke@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>

Subject: FW: CGL Section 8 Leave Request KP 588



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5243
F. 250-794-5390



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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Tuesday, April 6, 2021 8:48 AM
To: Anderson, Justin <Justin.Anderson@bcogc.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: CGL Section 8 Leave Request KP 588



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Monday, April 5, 2021 5:09 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: CGL Section 8 Leave Request KP 588

Please find attached a request for leave for additional temporary workspace for an area that overlaps with a wetland riparian management area and Wildlife Habitat Area 6-333.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile s22
TCEnergy.com

s13

Keough, Dana

From: Phillips, Lori L
Sent: Thursday, April 22, 2021 2:01 PM
To: Lang, Randy; s19
Cc: Anderson, Justin; Friedrich, Hardy
Subject: FW: CGL OGC May 2021 Watercourse Crossing Report #13
Attachments: CGL4703-CGP-BCOGC-REG-LTR-4608_OGC May WCC Report 13_22-Apr-21.docx.pdf



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Shelley McInnis <shelley_mcinnis@tcenergy.com>
Sent: Thursday, April 22, 2021 2:00 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Smook, Patrick <Patrick.Smook@bcogc.ca>; eao.compliance@gov.bc.ca;
Smith, Clayton H EAO:EX <Clayton.H.Smith@gov.bc.ca>; Parks, Chris EAO:EX <Chris.Parks@gov.bc.ca>; Adair Rigney
<adair_rigney@tcenergy.com>; Dan Wyman <dan_wyman@tcenergy.com>; Joseph Campbell
<joseph_campbell@tcenergy.com>; Tracy Young <tracy_young@tcenergy.com>; Glenn Todd
<glenn_todd@tcenergy.com>; Autumn Cousins <autumn_cousins@tcenergy.com>; Tom Hicks
<thicks@ecofishresearch.com>; Lead IESCA <LeadIESCA@ecofishresearch.com>
Subject: CGL OGC May 2021 Watercourse Crossing Report #13

Good afternoon,

Please find attached CGL's Scheduled Watercourse Crossings Report #13 for May. This report covers the planned construction of pipeline crossings of watercourses throughout the Project and is filed in response to the following conditions:

- Pipeline Section 1, AD 100082293, Condition 9
- Pipeline Section 2, AD 100082292, Condition 9
- Pipeline Section 3, AD 100082299, Condition 8
- Pipeline Section 4, AD 100082252, Condition 9
- Pipeline Section 5, AD 100082251, Condition 9
- Pipeline Section 6, AD 100082422, Condition 9

- Pipeline Section 7, AD 100082423, Condition 8
- Pipeline Section 8, AD 100084230, Condition 9

Please contact Dan Wyman if you have any questions regarding the contents of this report.

Thank you,

Shelley McInnis

Regulatory Administrative Analyst

Coastal GasLink

shelley_mcinnis@tcenergy.com

cell s22 desk: 403-920-1370



450 – 1 Street S.W. Calgary, AB
Canada, T2P 5H1

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Thank you

April 22, 2021

Lori Phillips
Applications Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink LLP
450 – 1st Street S.W.
Calgary, AB, Canada T2P 5H1

Tel: 403.920.6296
Fax: 403.920.5324
Email: dan_wyman@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-BCOGC-REG-LTR-4608

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Project)
Scheduled Watercourse Crossings Report #13
References: AD 100082293 Condition 9, AD 100082292 Condition 9, AD 100082299
Condition 8, AD 100082252 Condition 9, AD 100082251 Condition 9, AD 100082422
Condition 9, AD 100082423 Condition 8, and AD 100084230 Condition 9**

As cited in the above conditions Coastal GasLink is required to:

At least one week prior to the beginning of each month, the permit holder must submit a schedule to the Commission indicating the location and timing of horizontal directional drilling, micro-tunneling or in-stream work planned to commence the following month.

Coastal GasLink is submitting the following monthly Watercourse Crossing Schedules to the BC Oil and Gas Commission (OGC) for May 2021.

- Table 1: Horizontal Directional Drill (HDD) and Direct Pipe Installation (DPI) Status and Schedule
- Table 2: Section 1 (AD 100082293) Watercourse Crossings Status and Schedule
- Table 3: Section 8 (AD 100084230) Watercourse Crossings Status and Schedule

No other in-stream work associated with the construction of pipeline crossings is currently scheduled in the remaining pipeline sections for this month.

Coastal GasLink notes the timing of construction provided in the attached tables are based on the current Project schedule and are subject to change without notice due to changing site conditions, final execution plans, permitting and other external factors.

Should you have any questions do not hesitate to contact me at 403-920-6296 or dan_wyman@tcenergy.com.

Sincerely,



Daniel RK Wyman
Team Lead, Regulatory
Coastal GasLink

Table 1: HDD and DPI Schedule

Watercourse Name HDD/DPI	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	Easting	Northing	Work Scheduled to Start	Work Scheduled to End	Summary of Activities Planned for the month
Murray River	1	61.00-WC	10B1	S1A	HDD	25+217	617896.01 e	6172089.74 n	28-Sep-2020	10-Jun-2021	- Reaming activities - Drilling Waste Disposal - Pull Back
Sukunka River	1	186.00-WC	51B1	S1A	HDD	64+431	617896.01 e	6157225 n	15-Jun-2021	24-Aug-2021	No Work Planned
Burnt River	2	270.00-WC	72	S1B	DPI	96+886	617896.01 e	6131508.33 n	1-Feb-2022	28-Mar-2022	No Work Planned
Parsnip River	3	560.00-WC	205	S1A	DPI	189+659	617896.01 e	6069086 n	1-Oct-2021	30-Nov-2021	No Work Planned
Crooked River	3	654.00-WC	235	S1B	DPI	212+345	617896.01 e	6056162 n	13-Nov-2020	28-Nov-2020	Complete
Salmon River	4	781.00-WC	277	S1A	DPI	254+104	617896.01 e	6027443 n	1-Oct-2021	30-Nov-2021	Plan will be to start setup of equipment October 1, 2021 and begin tunneling activities October 15, 2021
Stuart River	4	880.00-WC	SRR9	S1A	DPI	558+400	617896.01 e	6004956.59 n	13-Oct-2020	11-Dec-2020	Complete
Morice River	7	1677.00-WC	558	S1A	HDD	558+400	617896.01 e	6004956.59 n	15-Aug-2021	30-Apr-2022	No Work Planned
Kitimat River	8	2098.00-WC	191C	S1A	DPI	667+162	617896.01 e	5989905.36 n	13-Jul-2020	31-Aug-2020	Complete

Table 2: Section 1 Watercourse Crossings Schedule

Watercourse Name	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	UTM Zone	Easting	Northing	Work Scheduled Start Date	Work Scheduled End Date	Summary of Activities Planned for the month
Unnamed Tributary (Zonnebeke Creek)	1	0170.0-WC	9C	S6	Isolate if flowing, Open Cut if dry or frozen	58+545	10	591986	6158440	May 25, 2021	May 31, 2021	Dig, Install, Backfill and Reclaim

Table 3: Section 8 Watercourse Crossings Schedule

Watercourse Name	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	UTM Zone	Easting	Northing	Work Scheduled Start Date	Work Scheduled End Date	Summary of Activities Planned for the month
Zymoetz River	8	1750.00-WC	137C	S4	Auger Bore	588+448	9	580450	6004016	13-May-2021	4-Jun-2021	
Burnie River	8	1751.00-WC	138C	S4	Auger Bore	588+499	9	580399	6004008	13-May-2021	4-Jun-2021	
Burnie River	8	1750.10-WC	S1047	NCD	Auger Bore	588+479	9	580417	6004024	13-May-2021	4-Jun-2021	

Keough, Dana

From: Phillips, Lori L
Sent: Tuesday, March 30, 2021 1:19 PM
To: Anderson, Justin; Lang, Randy; O'Neill, Sean
Subject: FW: CGL: Annual Construction Progress Maps
Attachments: CGL4703-CGP-BCOGC-REG-LTR-4551 -2020 Construction Progress Maps.pdf

FYI



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5318
F. 250-794-5390



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From: Dan Wyman <dan_wyman@tcenergy.com>
Sent: Monday, March 29, 2021 8:23 PM
To: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Smook, Patrick <Patrick.Smook@bcogc.ca>; Parks, Chris EAO:EX <Chris.Parks@gov.bc.ca>; Shelley McInnis <shelley_mcinnis@tcenergy.com>; Joseph Campbell <joseph_campbell@tcenergy.com>; Tracy Young <tracy_young@tcenergy.com>
Subject: RE: CGL: Annual Construction Progress Maps

Good evening Lori, as required under the relevant OGC conditions for each Pipeline section permit, please find attached the 2020 Construction Progress Maps. Please let me know if you have any questions with this submission.

-Dan

Dan Wyman
Team Lead, Regulatory
Coastal GasLink

dan_wyman@transcanada.com
mobile: s22 desk: 403-920-6296



450 – 1 Street S.W. Calgary, AB
Canada, T2P 5H1

March 29, 2021

Lori Phillips
Authorization Manger
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
450 – 1st Street SW
Calgary, AB, Canada T2P 5H1

Tel: 403.920.6296
Fax: 403.920.2443
Email: dan_wyman@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-BCOGC-REG-LTR-4551

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Satisfaction of the Commission – Annual Construction Progress Maps
References: Section 1: AD 100082293 Condition 10; Section 2: AD 100082292 Condition 10;
Section 3: AD 100082299 Condition 9; Section 4: AD 100082252 Condition 10; Section 5: AD
100082251 Condition 10; Section 6: AD 100082422 Condition 10; Section 7: AD 100082423
Condition 9; and Section 8: AD 100084230 Condition 10**

As required in the above cited conditions Coastal GasLink is required to:

.... annually, on or before March 31 of each year, submit to the Commission a Post Construction Plan map showing the location and nature of any construction activities completed under this permit during the previous calendar year.

Coastal GasLink is filing the required maps with the BC Oil and Gas Commission (OGC) showing the extent of construction activities completed for the above referenced permits from January 1 to December 31, 2020.

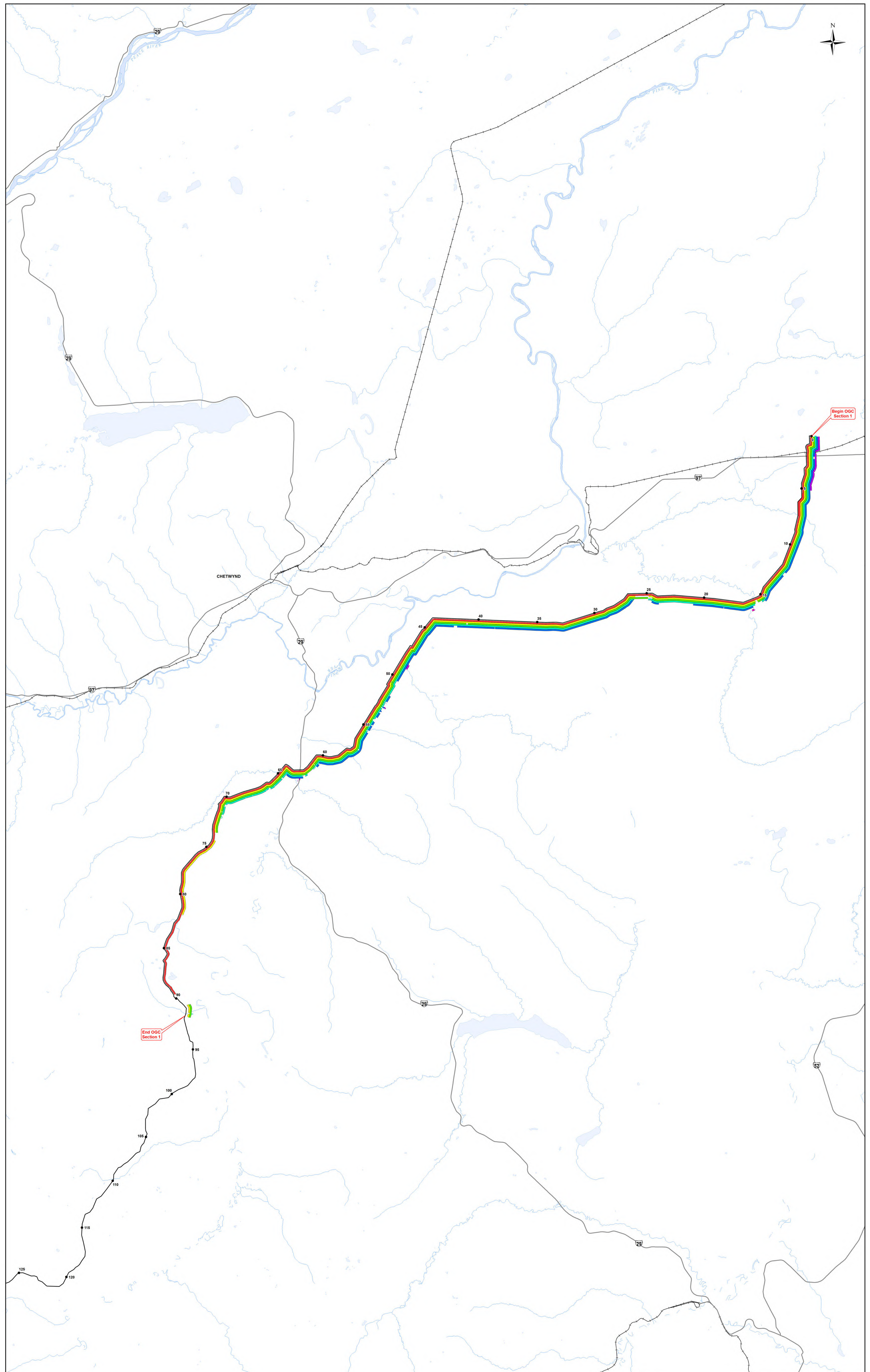
Should you have any further questions please do not hesitate to contact me at 403-920-6296 or dan_wyman@tcenergy.com.

Sincerely,



Daniel RK Wyman
Team Lead, Regulatory
Coastal GasLink

CC: Garth Thoroughgood, OGC
Patrick Smook, OGC
Chris Parks, EAO



Activity	2019 Construction Progress	2020 Construction Progress
Clearing	26%	97%
Grading	0%	87%
Stringing	0%	79%
Welding	0%	74%
Backfill	0%	56%
Machine Clean-up	0%	6%
HydroTest - Test	0%	2%

REVISION	DESCRIPTION
0	Issued for Use, March 27, 2020
1	Issued for Use, March 26, 2021

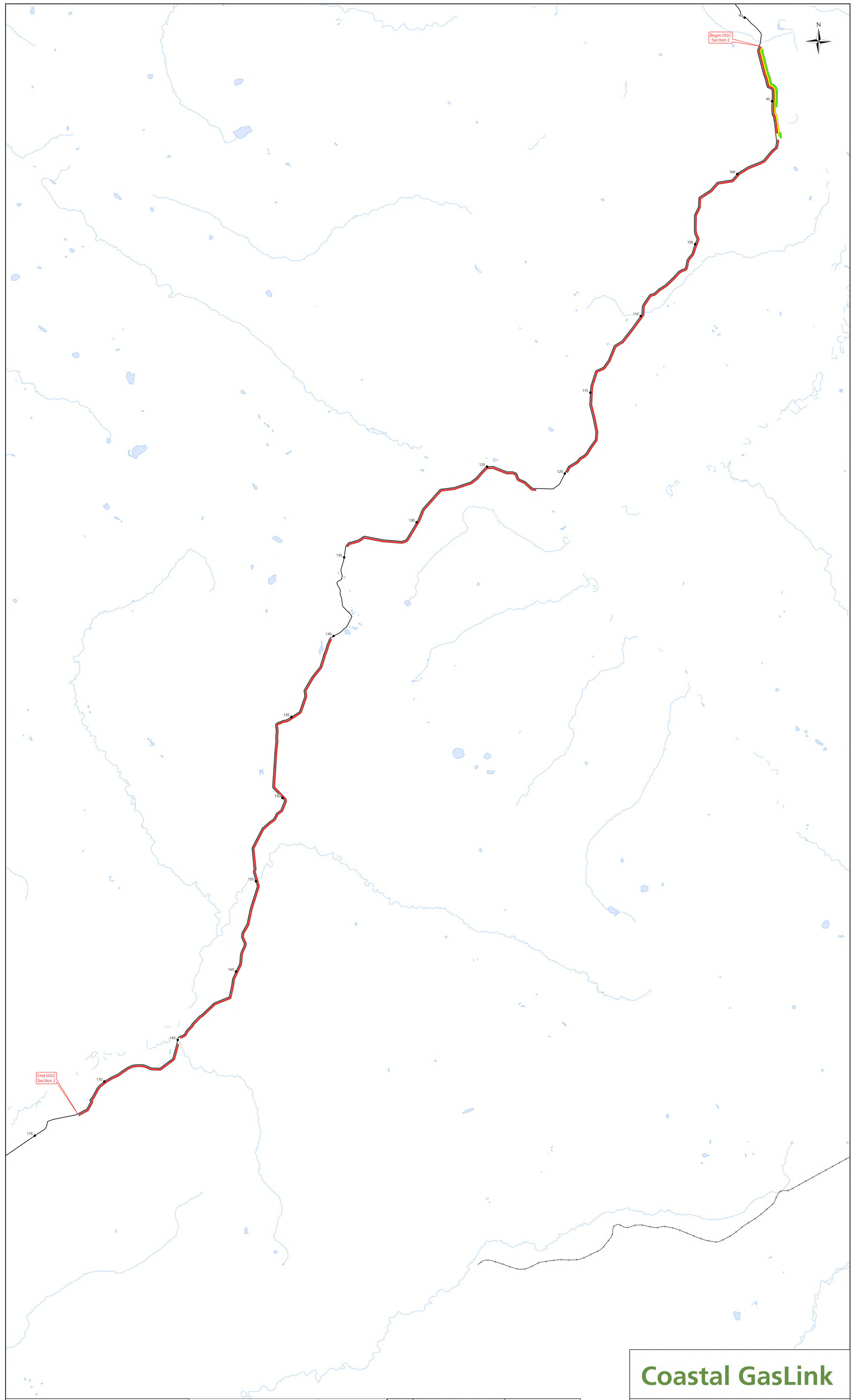
Midwest Surveys
LAND SURVEYING LTD.
10915 Antrim Road
Fort St. John, BC, V1J 6P5
Tel: 250-765-2922
Job: IB-0015-12

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report OGC Pipeline Permit (Section 1) 100082293

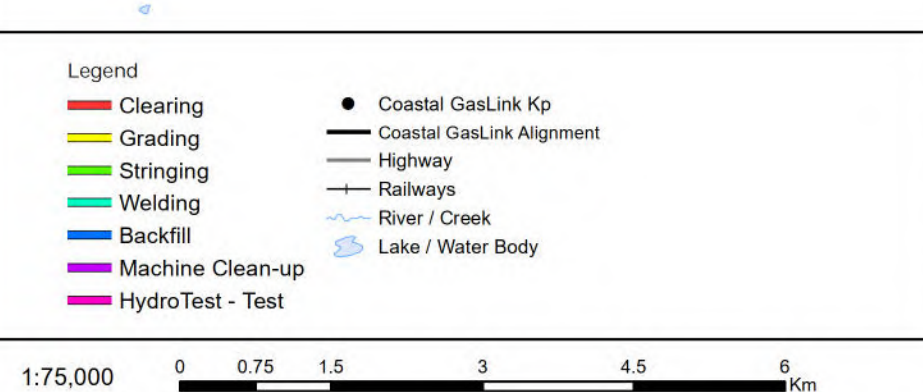
Route Reference: CGL Rev G	March 26, 2021
Document No: CGE4703-MSI-G-MP-1446	Rev 1



Begin OGC Section 2



End OGC Section 2



Activity	2019 Construction Progress	2020 Construction Progress	REVISION	DESCRIPTION
Clearing	0%	89%	0	Issued for Use, March 27, 2020
Grading	0%	6%	1	Issued for Use, March 28, 2021
Stringing	0%	4%		
Welding	0%	0%		
Backfill	0%	0%		
Machine Clean Up	0%	0%		
HydroTest - Test	0%	0%		

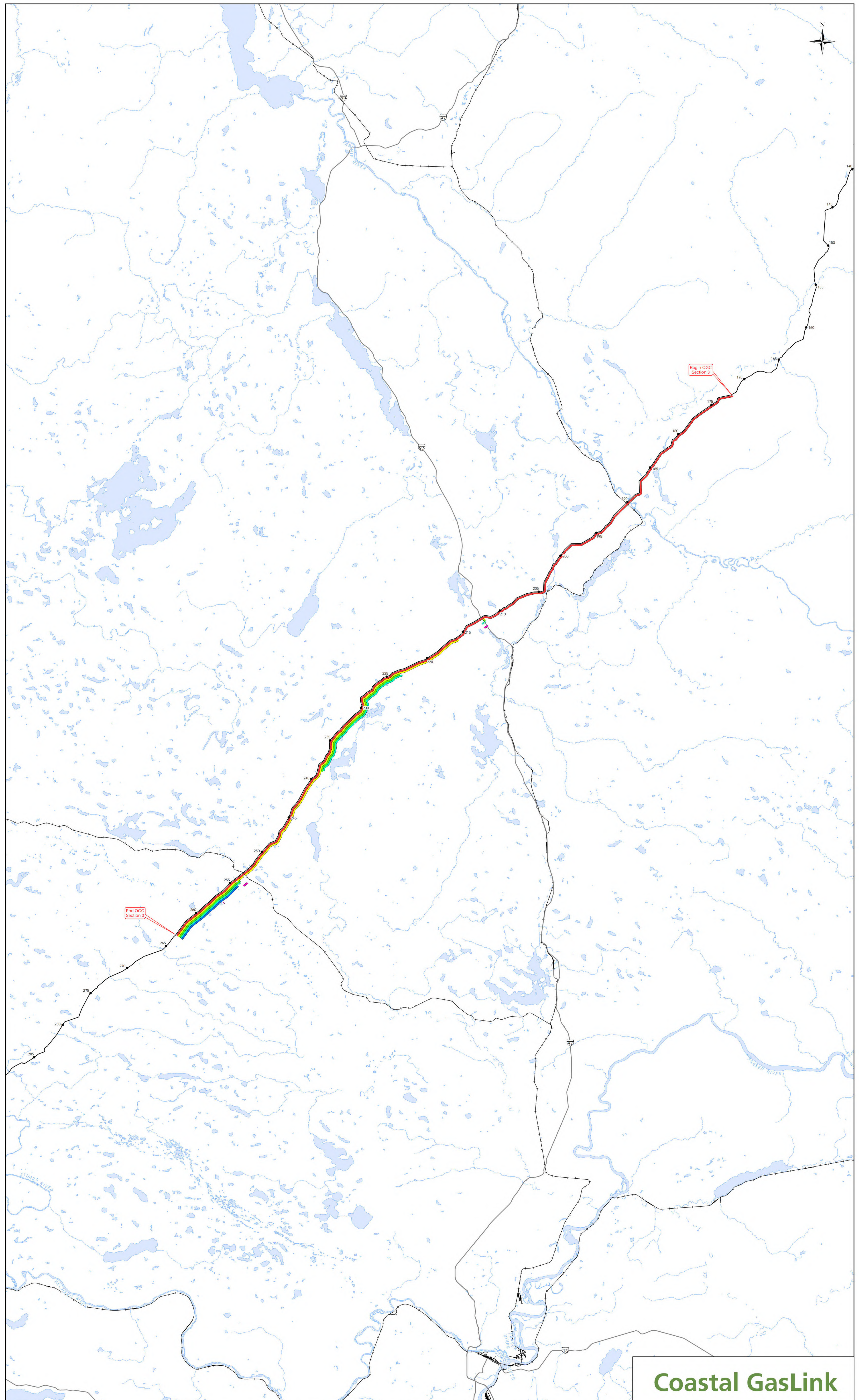
Midwest Surveys
LAND SURVEYING LTD.
 10915 Alaska Road
 Fort St. John, BC V1J 6P3
 Tel: 250-785-3902
 Job: IB-0015-12

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report OGC Pipeline Permit (Section 2) 100082292

Route Reference: CGL Rev G	March 26, 2021
Document No: CGE4703-MSI-G-MP-1447	Rev 1



Activity	2019 Construction Progress	2020 Construction Progress
Clearing	22%	99%
Grading	0%	51%
Stringing	0%	28%
Welding	0%	28%
Backfill	0%	10%
Machine Clean-up	0%	0%
HydroTest - Test	0%	1%

REVISION	DESCRIPTION
0	Issued for Use, March 30, 2020
1	Issued for Use, March 26, 2021

Midwest Surveys
LAND SURVEYING LTD.
19815 Alameda Road
Fort St. John, BC, V1L 6R3
Tel: 250-760-3902
Fax: 250-760-3902
Job: IB-0015-12

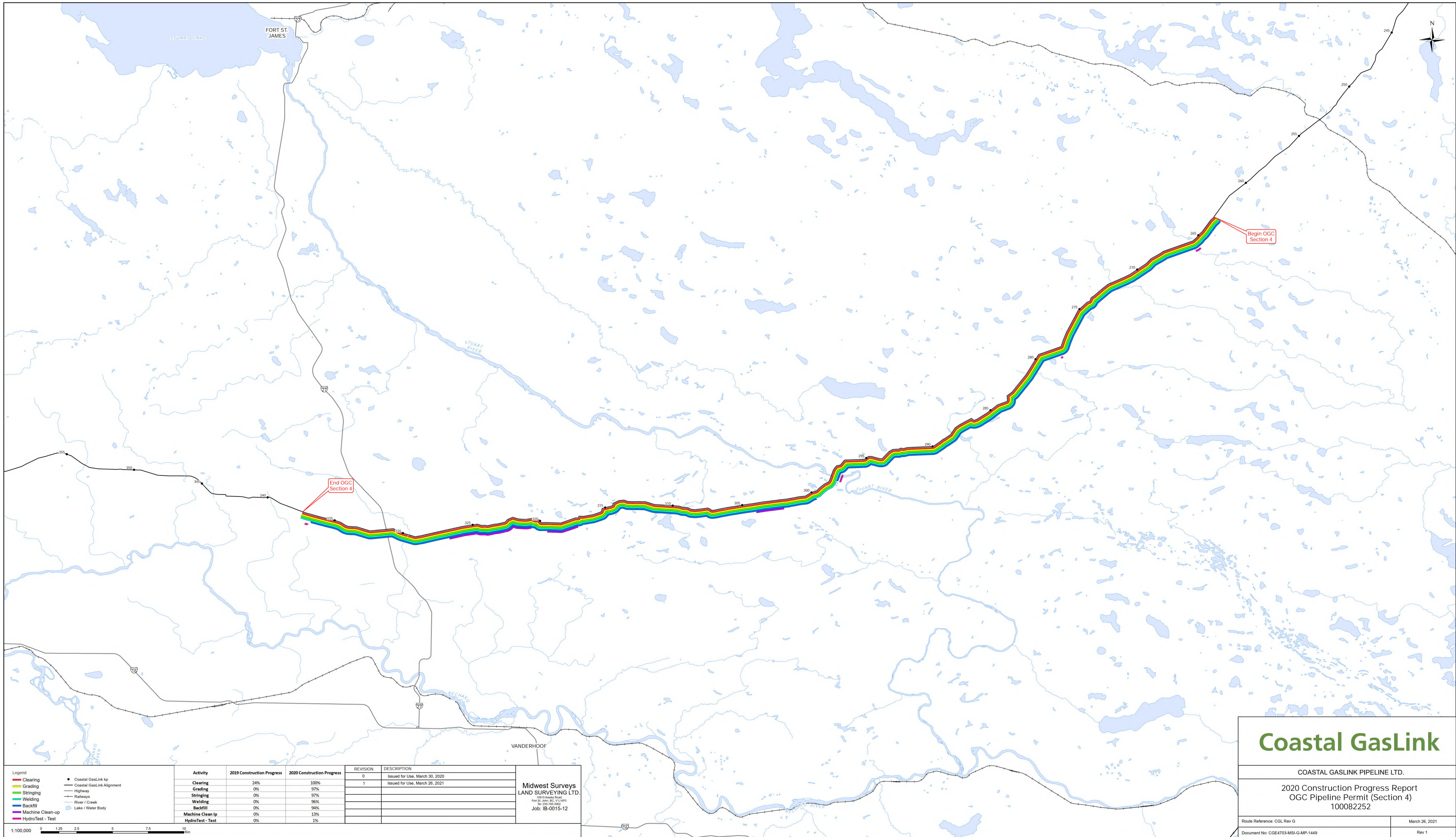
Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report
OGC Pipeline Permit (Section 3)
100082299

Route Reference: CGL Rev G March 26, 2021

Document No: CGE4703-MSI-G-MP-1448 Rev 1



Activity	2019 Construction Progress	2020 Construction Progress
Clearing	24%	100%
Grading	0%	97%
Stringing	0%	97%
Welding	0%	96%
Backfill	0%	94%
Machine Clean-up	0%	13%
HydroTest - Test	0%	1%

REVISION	DESCRIPTION
0	Issued for Use, March 30, 2020
1	Issued for Use, March 26, 2021

Activity	2019 Construction Progress	2020 Construction Progress
Clearing	24%	100%
Grading	0%	97%
Stringing	0%	97%
Welding	0%	96%
Backfill	0%	94%
Machine Clean-up	0%	13%
HydroTest - Test	0%	1%

Midwest Surveys
LAND SURVEYING LTD.
10011 Mainline Road
Fort St. John, BC V1J 6P3
Tel: 250-762-9962
Job: IB-0015-12

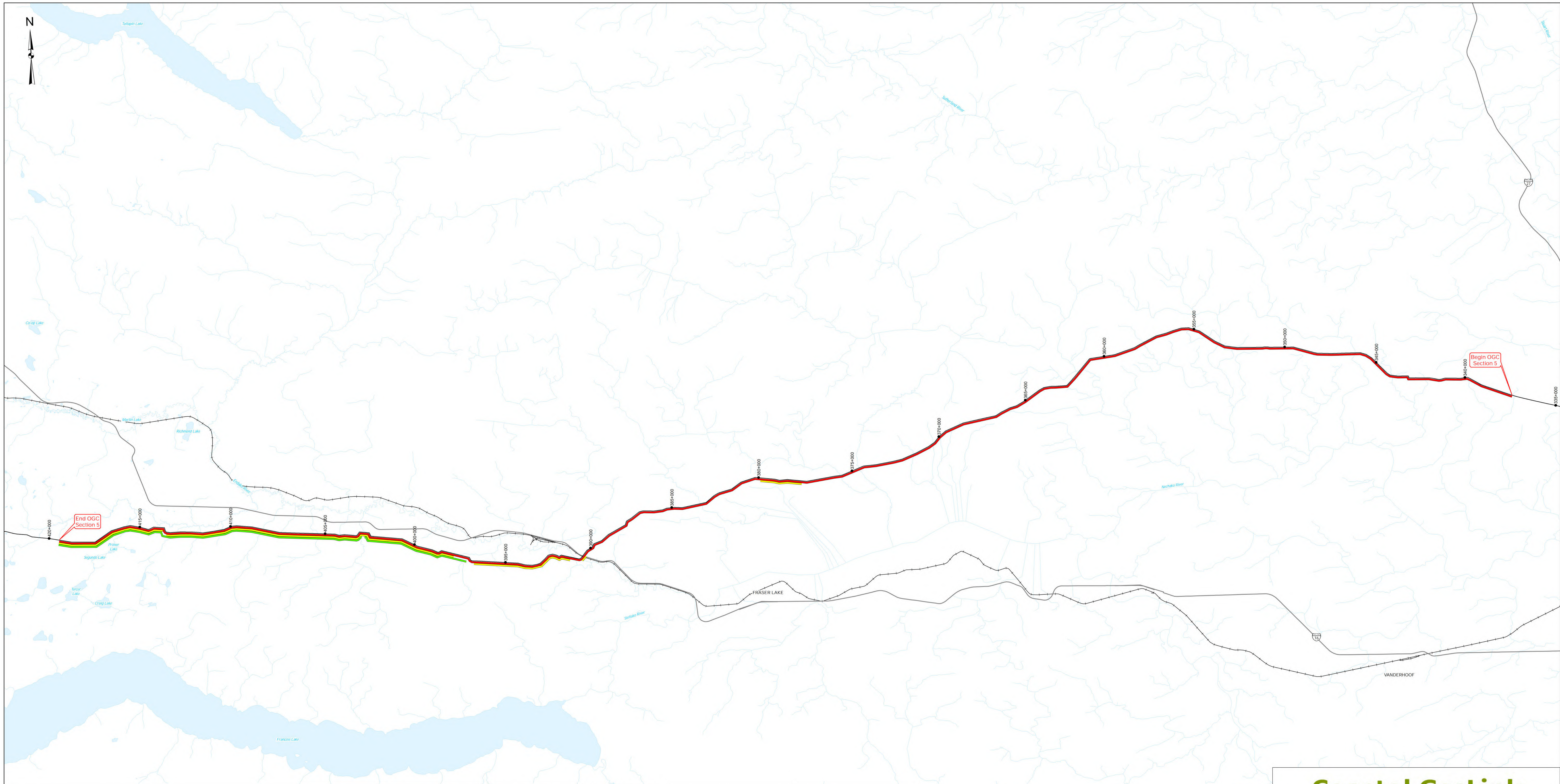
Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report
OGC Pipeline Permit (Section 4)
100082252

Route Reference: CGL Rev G	March 26, 2021
Document No: CGE4703-MSI-GMP-1449	Rev 1

1:100,000 0 1.25 2.5 5 7.5 10 Km



Legend

- Clearing
- Grading
- Stringing
- Welding
- Backfill
- Machine Clean-up
- HydroTest - Test
- Coastal GasLink Kp
- Coastal GasLink
- Highway
- Railways
- Watercourse
- Water Body

Activity	2019 Construction Progress	2020 Construction Progress
Clearing	28%	100%
Grading	0%	36%
Stringing	0%	27%
Welding	0%	0%
Backfill	0%	0%
Machine Clean Up	0%	0%
HydroTest - Test	0%	0%

REVISION	DESCRIPTION
0	Issued for Use, March 26, 2020
1	Issued for Use, March 22, 2021

McElhanney
 8808 Northern Lights Dr.
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-21424



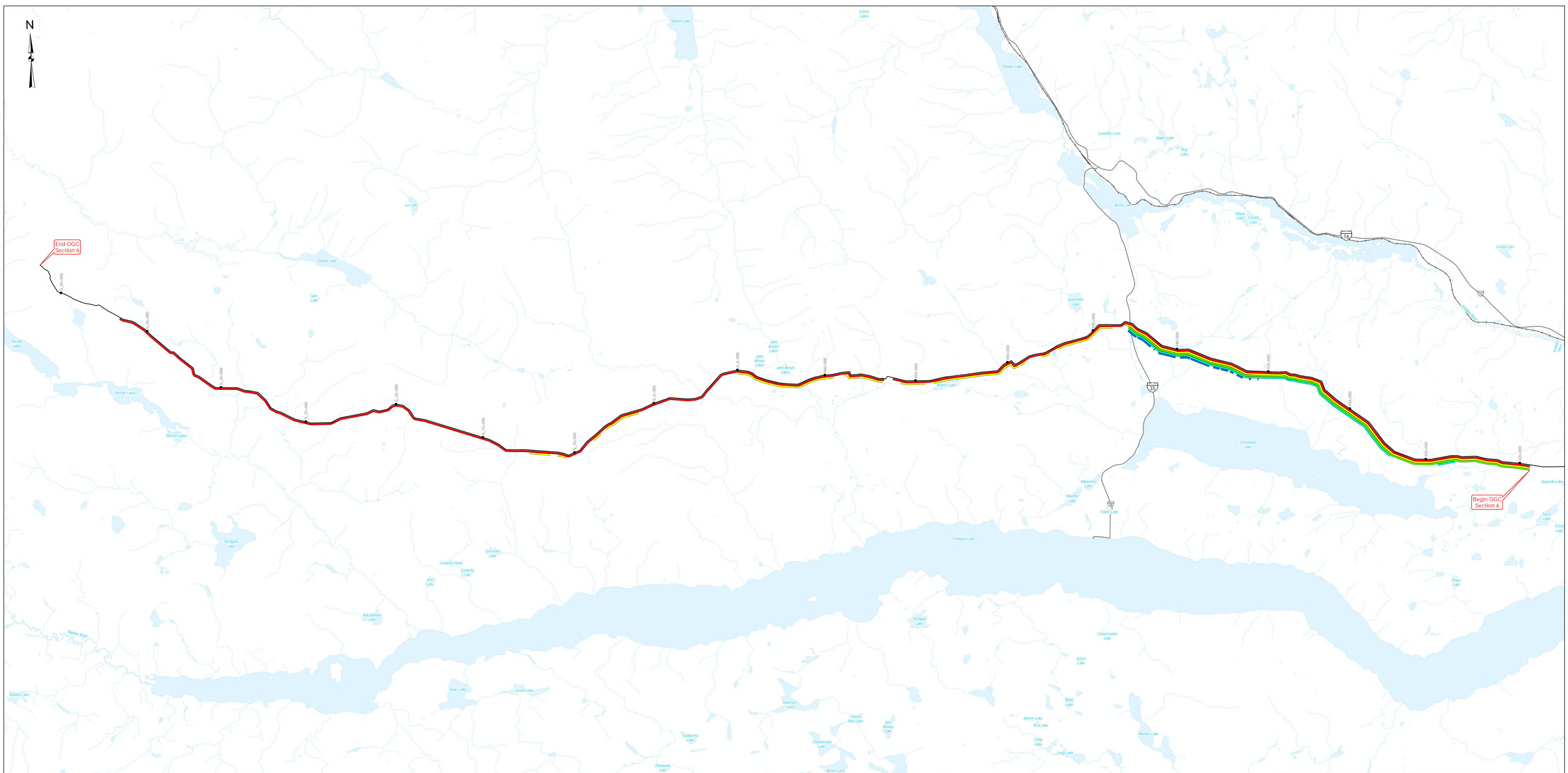
Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report
 OGC Pipeline Permit (Section 5)
 100082251

Route Reference: CGL Route G March 22, 2021

Document No: CGW4703-MCSL-G-MP-2274 Rev 1



Legend	
— Clearing	• Coastal GasLink Kp
— Grading	— Coastal GasLink Alignment
— Stringing	— Highway
— Welding	— Railways
— Backfill-Mainline	— Watercourse
— Machine Clean-up	— Water Body
— HydroTest - Test	

Activity	2019 Construction Progress	2020 Construction Progress
Clearing	0%	93%
Grading	0%	52%
Stringing	0%	27%
Welding	0%	20%
Backfill	0%	6%
Machine Clean-up	0%	0%
HydroTest - Test	0%	0%

REVISION	DESCRIPTION
0	Issued for Use, March 26, 2020
1	Issued for Use, March 22, 2021

McElhanney
 8808 Northern Lights Dr.
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-21424

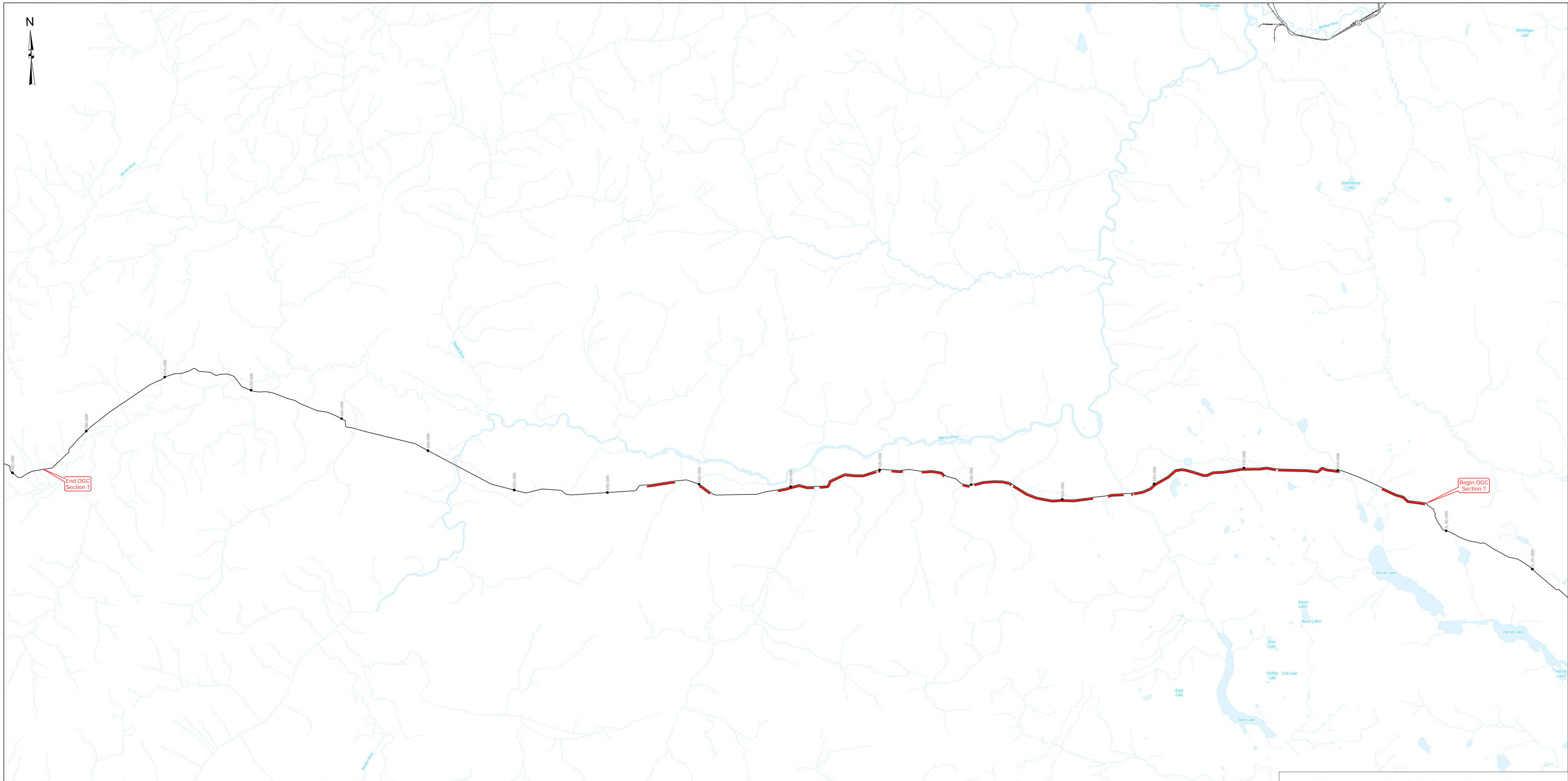


Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report
 OGC Pipeline Permit (Section 6)
 100082251

Route Reference: CGL Route G	March 22, 2021
Document No: CGW4703-MCSL-G-MP-2275	Rev 1



Legend

- Clearing
- Grading
- Stringing
- Welding
- Backfill
- Machine Clean-up
- HydroTest - Test
- Coastal GasLink Kp
- Highway
- Railways
- Watercourse
- Water Body

Activity	2019 Construction Progress	2020 Construction Progress
Clearing	0%	39%
Grading	0%	0%
Stringing	0%	0%
Welding	0%	0%
Backfill	0%	0%
Machine Clean Up	0%	0%
HydroTest - Test	0%	0%

REVISION	DESCRIPTION
0	Issued for Use, March 26, 2020
1	Issued for Use, March 22, 2021

McElhanney
 8808 Northern Lights Dr.
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-21424

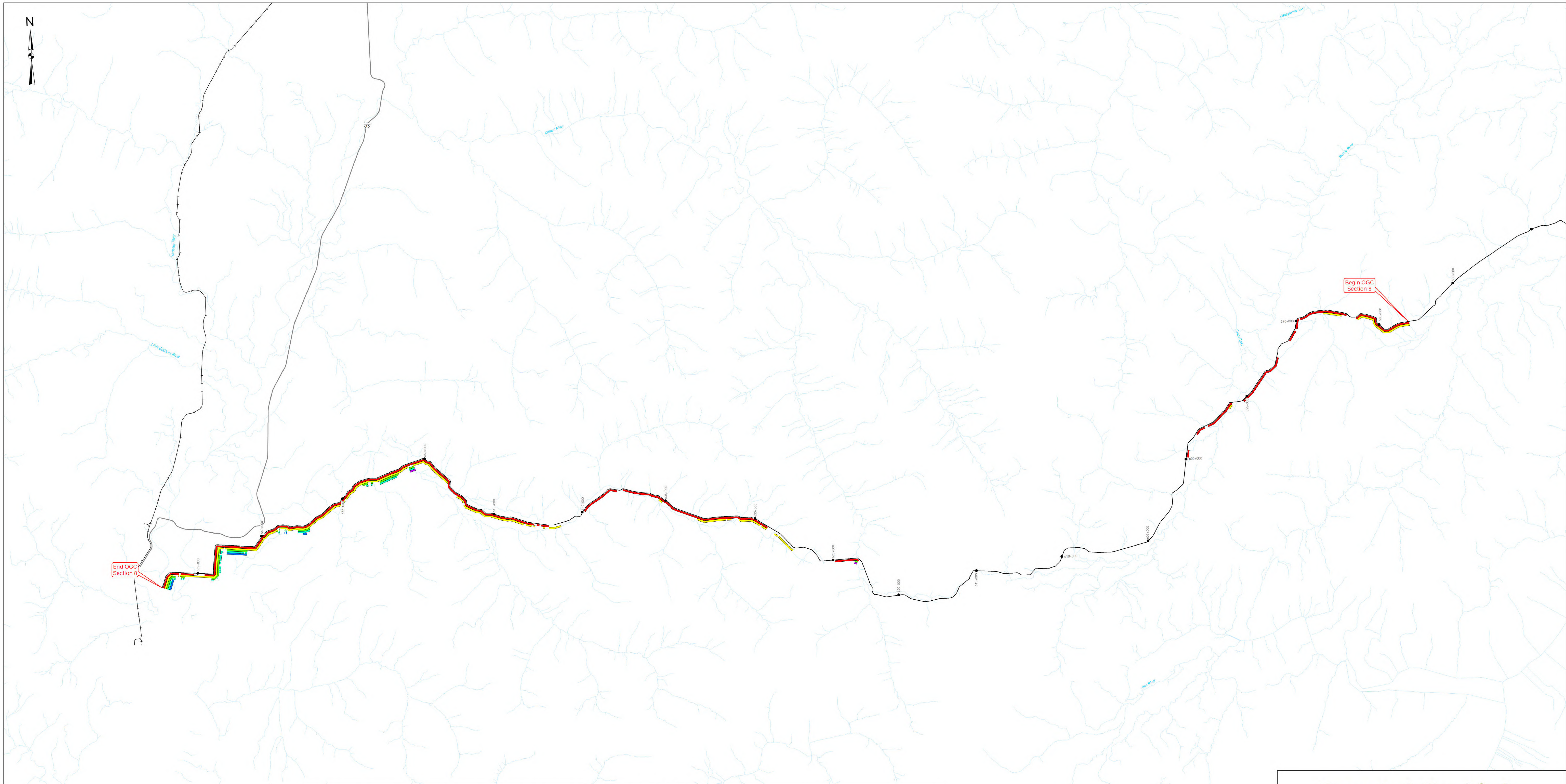
Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report
 OGC Pipeline Permit (Section 7)
 100082423

Route Reference: CGL Route G	March 22, 2021
Document No: CGW4703-MCSL-G-MP-2276	Rev 1





Legend

- Clearing
- Grading
- Stringing
- Welding
- Backfill
- Machine Clean-up
- HydroTest - Test
- Coastal GasLink Kp
- Highway
- Railways
- Watercourse
- Water Body

Activity	2019 Construction Progress	2020 Construction Progress
Clearing	22%	59%
Grading	10%	38%
Stringing	0%	8%
Welding	0%	6%
Backfill	0%	2%
Machine Clean Up	0%	0%
HydroTest - Test	0%	1%

REVISION	DESCRIPTION
0	Issued for Use, March 26, 2020
1	Issued for Use, March 22, 2021

McElhanney
 8808 Northern Lights Dr.
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-21424

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

2020 Construction Progress Report
 OGC Pipeline Permit (Section 8)
 100084230

Route Reference: CGL Route G	March 22, 2021
Document No: CGW4703-MCSL-G-MP-2277	Rev 1



Keough, Dana

From: Anderson, Justin
Sent: Thursday, March 4, 2021 10:39 AM
To: Bourke, Jacqueline
Subject: FW: CGL Section 8 ATWS Leave Request Icy Pass Central
Attachments: CGL4703-CGP-REG-LEAVRQ-0103_S8_ATWS_Icy Pass Central.pdf; OGC leave Form Sec 8 Cond 24.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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F. 250-794-5390



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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Thursday, March 4, 2021 9:36 AM
To: Anderson, Justin <Justin.Anderson@bcogc.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: CGL Section 8 ATWS Leave Request Icy Pass Central



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5318
F. 250-794-5390



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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Wednesday, March 3, 2021 12:18 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: CGL Section 8 ATWS Leave Request Icy Pass Central

Please find attached a request for leave for ATWS along Section 8 (AD #100084230).

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile:

s22

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Thank you

s16

Pages: 458-474

March 3, 2021

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0103

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission Request
Section 8 Pipeline Permit (AD # 100084230) – Condition 24 - ATWS**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 24 for clearing and site preparation of additional temporary work space (ATWS).

Additional work space is required for rock scaling, rock disposal and pipeline realignments to avoid steep side slopes. In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to April 1, 2021.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following conditions in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

- a) a previously disturbed area is less than 2 hectares;*
- b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
- c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

1.1 REASON FOR REQUEST

Further assessment of the right of way (ROW) has identified locations where minor changes are necessary for the purpose of addressing site-specific construction issues due to engineering, terrain, safety or environmental constraints. The locations and reasoning for the change, including reference to the attached map, are indicated in Table 1. As the location of these incremental additional temporary workspace (ATWS) areas are outside of the OGC permitted footprint, Coastal GasLink requires leave of the Commission.

Coastal GasLink requires new ATWS totalling approximately 57.62 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. The locations of this change, including reference to the attached maps, are provided in Table 1. Across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 315 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for specific changes is identified in Table 1 and the attached maps (CGW4703-MCSL-G-MP-2817; CGW4703-MCSL-G-MP-2829).

Table 1: Additional Temporary Workspace

Area No.	KP (Rev G)	Area (ha)	Reason for Shift
ATWS-ICY PASS 10.1	612+350	0.07	Additional area required to support safe and efficient execution of work including space for potential rock scaling, management of fly rock and permanent rock disposal.
ATWS-ICY PASS 10.2	613+250	5.45	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 6	613+500	13.90	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS RW-160.4.B	613+600	0.68	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 7	613+700	0.59	Additional area required to support safe and efficient execution of work including space potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS KP 613 POD	613+800	0.33	Additional area required to allow access to the lake (previously wetland WL-2308) for water withdrawal. Note: S.10 permit requested separately (AD #100112746).
ATWS-ICY PASS 9	614+450	0.56	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 5.2	614+900_R2	2.09	Additional area required to support safe and efficient execution of work including space for a potential pipeline reroute to a slightly shorter alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 5.1	615+100_R2	1.81	Additional area required to support safe and efficient execution of work including space for a potential pipeline reroute to a slightly shorter alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 4	615+750_R0	2.96	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 3	616+000_R0	4.64	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 1.3	616+250_R0	1.97	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 1.1	616+600_R0	0.38	Additional area required to support safe and efficient execution of work including space for potential rock

Area No.	KP (Rev G)	Area (ha)	Reason for Shift
			scaling, fly rock and permanent rock disposal. Also necessary for access to infill portion of lake (previously wetland WL-2309). Note: S.10 and S.11 permit requested separately (AD #100112840).
ATWS-ICY PASS KP 616	616+800_RO	0.43	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal. Also necessary for access to infill portion of lake (previously wetland WL-2309). Note: S.10 and S.11 permit requested separately (AD #100112840).
ATWS-ICY PASS 1.2.3	616+900_RO	4.23	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 2.4.2	617+300_RO	1.39	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal. Also necessary for access to infill portion of lake (previously wetland WL-2309). Note: S.10 and S.11 permit requested separately (AD #100112840).
ATWS-ICY PASS 2.1	617+400_RO	0.03	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 2.2	617+450_RO	0.12	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 2.3	617+800_RO	1.55	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 1.2.2	618+000_RO	3.65	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 2.4.1	618+250_RO	7.00	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 1.2.1	618+600_RO	2.11	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.

Area No.	KP (Rev G)	Area (ha)	Reason for Shift
ATWS-ICY PASS 8	619+400_R0	0.74	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS KP 619+900	619+900_R0	0.61	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-RFI-414	640+500_R1	0.33	Additional area required to further realign centreline to avoid impacts to fish-bearing watercourse S1011.
Total		57.62	

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlines the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential adverse environmental effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Conduct clearing near watercourses or wetlands as described in Section 7.1 and Section 8.4 of the EMP.
- During clearing, fell trees towards the ROW, wherever practical. Recover trees that inadvertently fall into adjacent undisturbed vegetation.
- Avoid disturbance to environmentally sensitive features during clearing as identified by the appropriate signage or fencing. The Environmental

Inspector(s) and appropriate Resource Specialist will determine the size of avoidance buffer surrounding these features, if appropriate.

- Where practical, leave stumps in place, particularly on streambanks, to provide surface stability. Dispose of stumps removed from the required work areas by burning or chipping, or stockpile for use in access or line-of-sight control.
- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the width of grading in order to limit the potential for erosion and subsoil compaction, where practical.
- Where practical, avoid grading in riparian areas until installation of the vehicle crossing.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

Watercourse Crossings (Section 8.4 of the EMP)

- Coastal GasLink will obtain and follow all applicable federal and provincial permits or authorizations prior to the commencement of construction and instream activities. comply with the provisions of the federal Fisheries Act
- Identify the location of registered and unregistered points of diversion within 200 m downstream and 100 m upstream of clearing, construction and reclamation activities and notify appropriate authorities of proposed construction activities
- Identify the location of registered and unregistered points of diversion within 200 m downstream and 100 m upstream of clearing, construction and

reclamation activities and notify appropriate authorities of proposed construction activities

- Refer to the Fish and Fish Habitat Technical Data Report (Appendix 2-G of the EAC Application) for the windows of least risk associated with the watercourse crossings traversed by the Project.
- Prohibit clearing of extra temporary workspace within 10 m of a watercourse to protect riparian areas. This area shall be clearly marked prior to clearing operations. The construction footprint will be narrowed through the riparian area, if practical.
- Where practical, delay grading of the primary banks of watercourses until immediately before construction of the crossing. If warranted, install appropriate temporary erosion and sediment control structures at the discretion of the Environmental Inspector(s) upon initial disturbance of the vegetative mat and surface material.
- Install erosion and sediment control such as silt fences at all watercourses or waterbodies and on approach slopes to watercourses and waterbodies as directed by the Environmental Inspector(s). (Appendix B, Dwgs. STDS-03-ML05-001, STDS-03-ML-05-131, STDS-03-ML-05-132, STDS-03-ML-05-137, STDS-03-ML-05-608).
- If water withdrawal is necessary for the construction of temporary crossings, ensure that necessary provincial approvals are in place and follow DFO conditions, if applicable. Do not withdraw more than 10% of the instantaneous stream flow at any given time. Pump intakes should not disturb the streambed. Pumps must be screened with a maximum mesh size of 2.54 mm and have a maximum screen approach velocity of less than 0.038 m/s where fish habitat is present. Follow design requirements of DFO Freshwater Intake End-of-Pipe Fish Screen Guidelines.
- For watercourse crossings that require channel realignment to facilitate the installation of the crossing, develop individual, site-specific plans that take downstream effects into consideration and ensure:
 - no net loss of fish habitat
 - no obstruction to fish migration
 - no fish mortality or injury
- Inspect all temporary sediment control structures on a regular basis and following precipitation events and snowmelt. Where repairs are warranted, repair before the end of the working day.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement

mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment. All of the new ATWS are directly adjacent to the approved footprint. Granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

Coastal GasLink

ATWS - Area Outside OGC Permit Section 8 Rev0

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8					
AREA No.	KP	AREA (ha)	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-ICY PASS 10.1	612+350	0.07	CROWN	5989454	565757
ATWS-ICY PASS 10.2	613+250	5.45	CROWN	5989474	565117
ATWS-ICY PASS 6	613+500	13.90	CROWN	5989627	564615
ATWS-ICY PASS RW-160.4.B	613+600	0.68	CROWN	5989460	564580
ATWS-ICY PASS 7	613+700	0.59	CROWN	5989469	564456
ATWS-ICY PASS KP 613 POD	613+800	0.33	CROWN	5989553	564334
ATWS-ICY PASS 9	614+450	0.56	CROWN	5989522	563735
ATWS-ICY PASS 5.2		2.09	CROWN	5989516	563394
ATWS-ICY PASS 5.1		1.81	CROWN	5989486	563142
ATWS-ICY PASS 4		2.96	CROWN	5989135	562910
ATWS-ICY PASS 3		4.64	CROWN	5988989	562547
ATWS-ICY PASS 1.3		1.97	CROWN	5988708	562449
ATWS-ICY PASS 1.1		0.38	CROWN	5988498	562306
ATWS-ICY PASS KP 616		0.43	CROWN	5988341	562117
ATWS-ICY PASS 1.2.3		4.23	CROWN	5988283	562238
ATWS-ICY PASS 2.4.2		1.39	CROWN	5988196	561498
ATWS-ICY PASS 2.1	617+400_R0	0.03	CROWN	5988130	561686
ATWS-ICY PASS 2.2	617+450_R0	0.12	CROWN	5988140	561607
ATWS-ICY PASS 2.3	617+800_R0	1.55	CROWN	5988125	561275
ATWS-ICY PASS 1.2.2	618+000_R0	3.65	CROWN	5987919	561165
ATWS-ICY PASS 2.4.1	618+250_R0	7.00	CROWN	5988031	560866
ATWS-ICY PASS 1.2.1	618+600_R0	2.11	CROWN	5987832	560334
ATWS-ICY PASS 8	619+400_R0	0.74	CROWN	5987978	559745
ATWS-ICY PASS KP 619+900	619+900_R0	0.61	CROWN	5988098	559389
TOTAL		57.29			

LEGEND :

- Proposed Pipeline
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit
- Wetlands

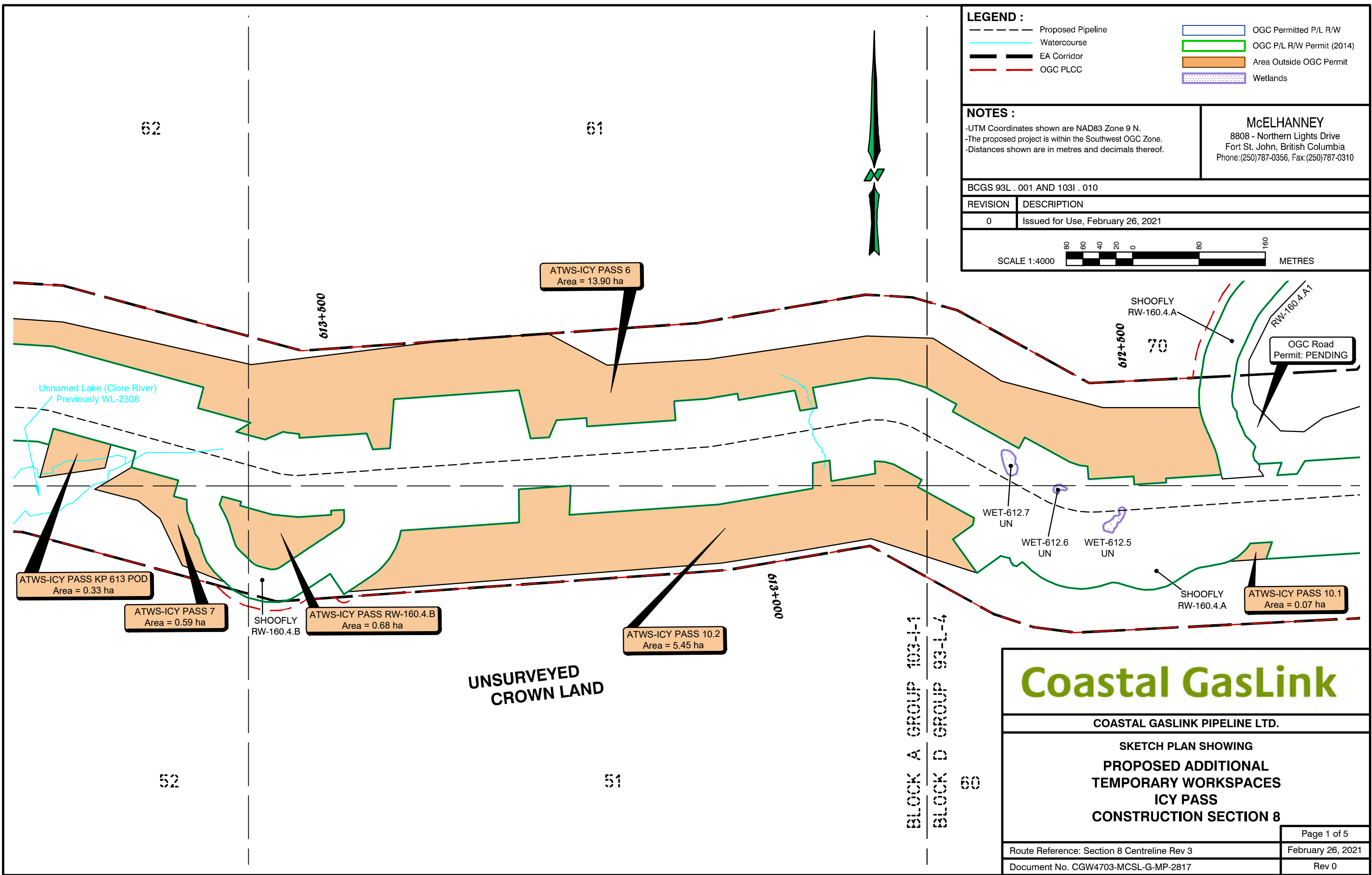
NOTES :

- 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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310

BCGS 93L . 001 AND 103I . 010

REVISION	DESCRIPTION
0	Issued for Use, February 26, 2021



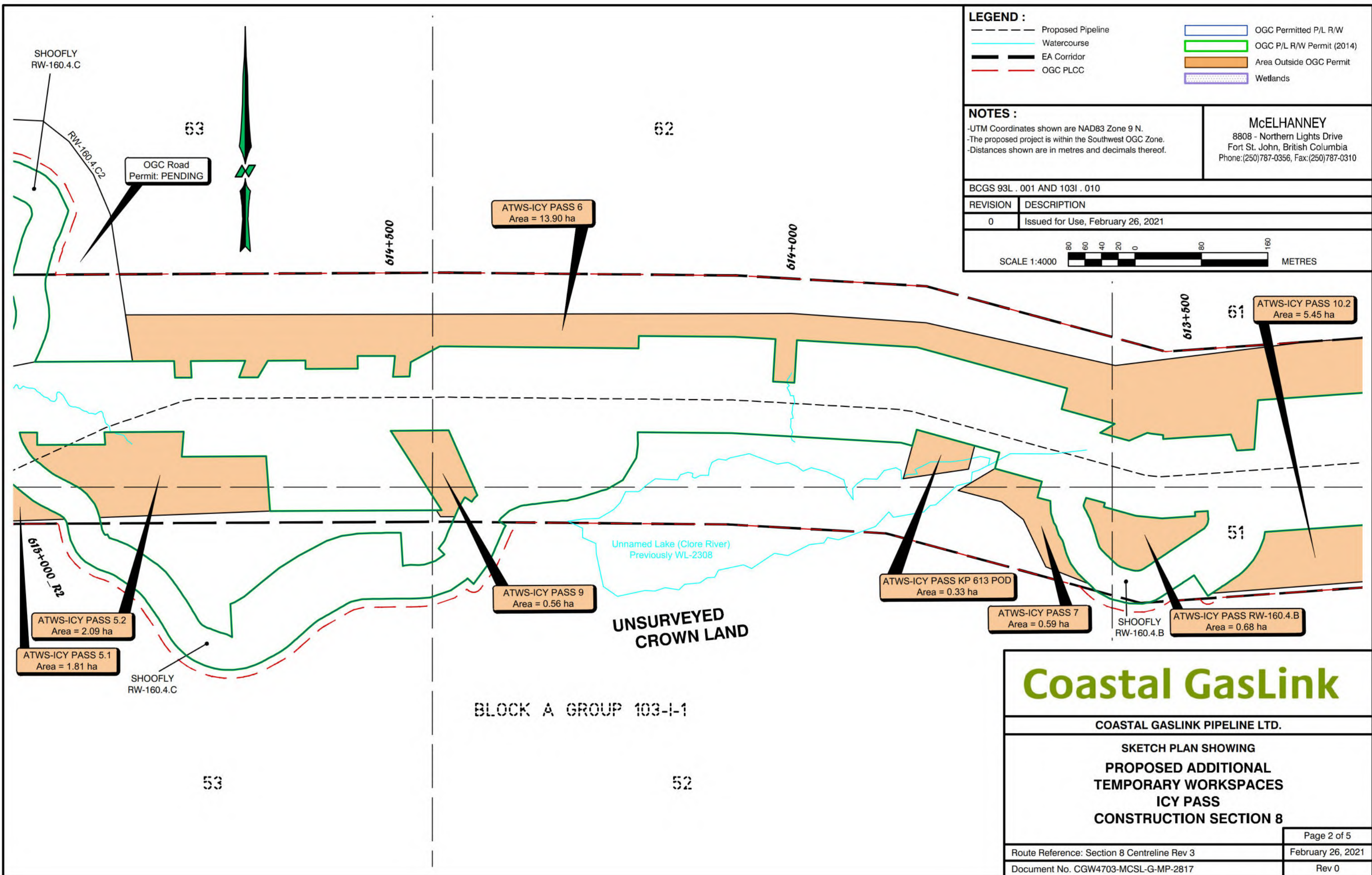
**UNSURVEYED
CROWN LAND**

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

**SKETCH PLAN SHOWING
PROPOSED ADDITIONAL
TEMPORARY WORKSPACES
ICY PASS
CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 1 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	EA Corridor		Area Outside OGC Permit
	OGC PLCC		Wetlands

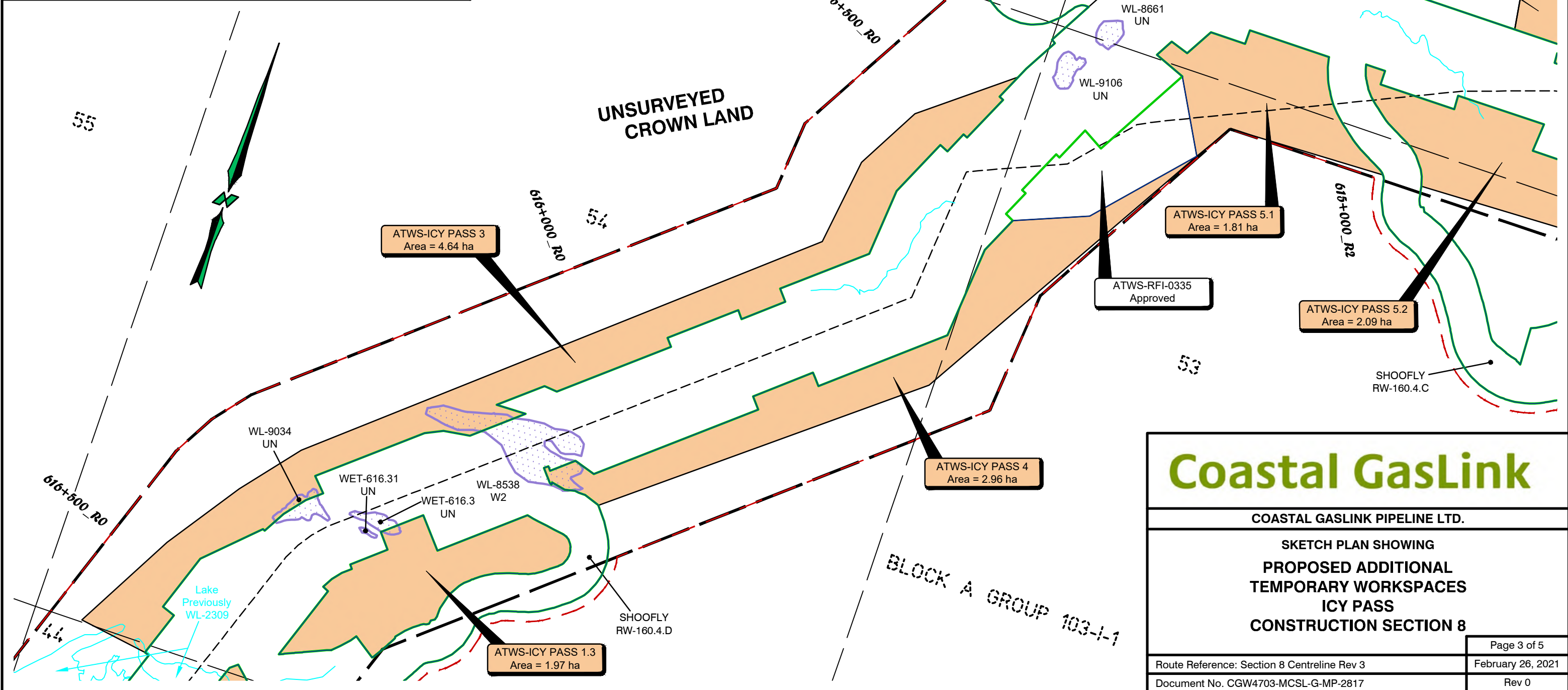
NOTES :

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Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 ICY PASS
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 3 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0

LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	EA Corridor		Area Outside OGC Permit
	OGC PLCC		Wetlands

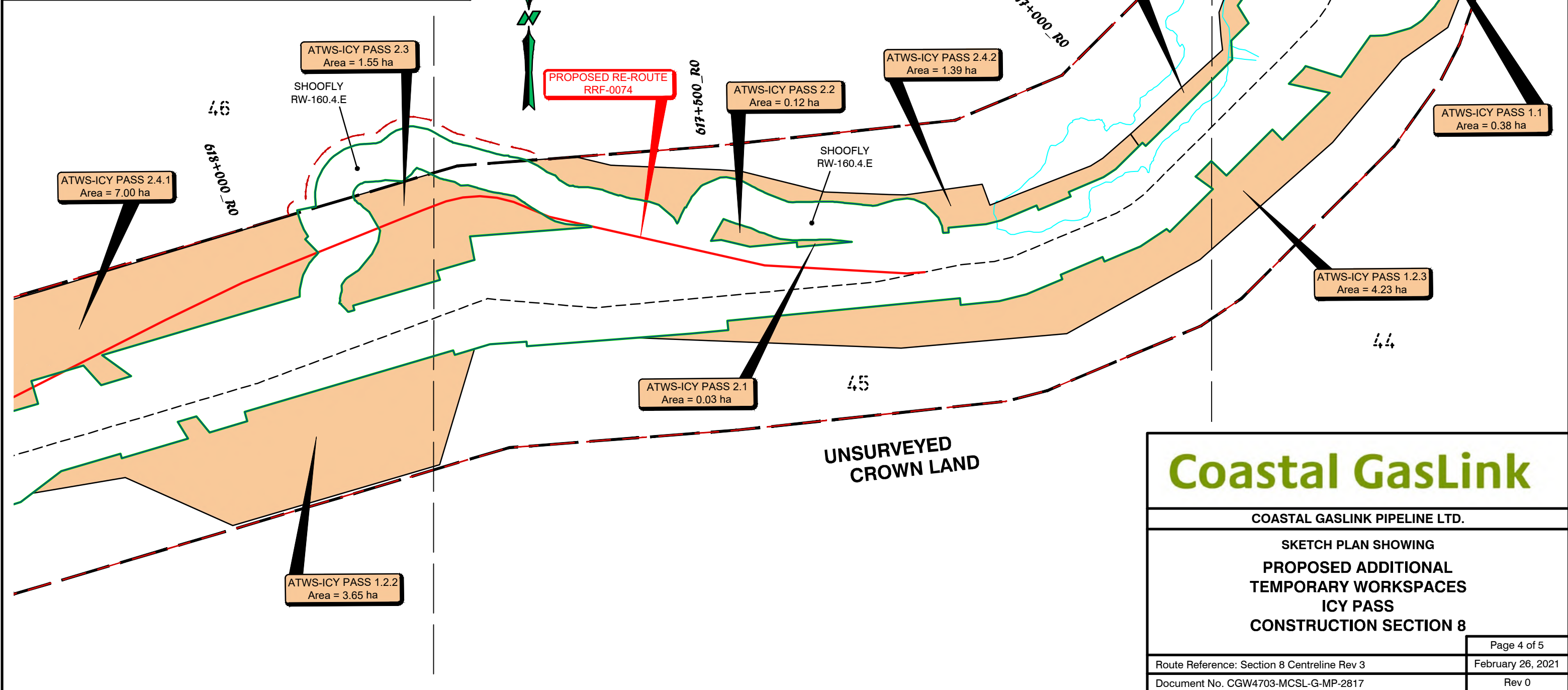
NOTES :

- 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.

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REVISION	DESCRIPTION
0	Issued for Use, February 26, 2021

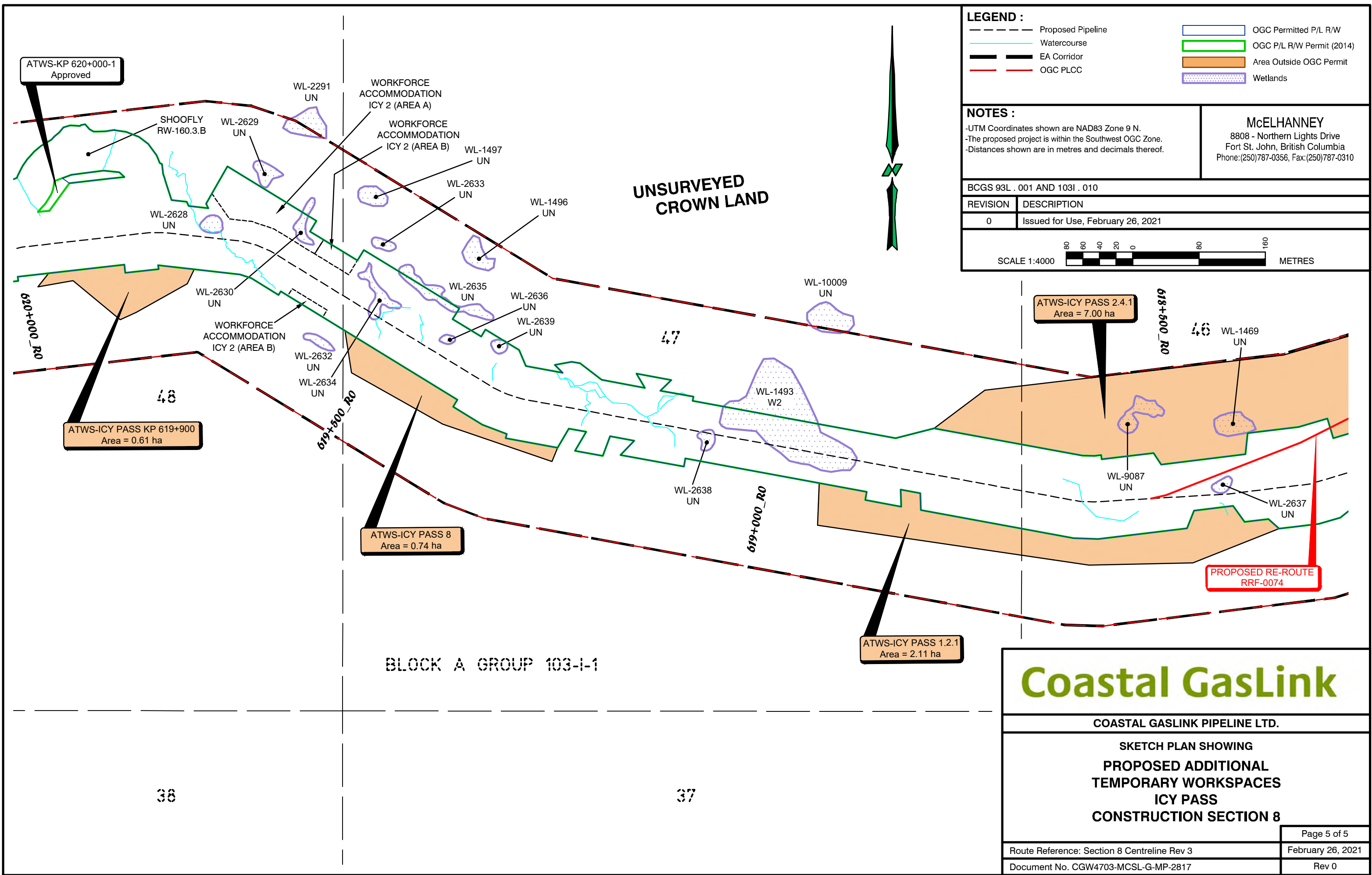


Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 ICY PASS
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 4 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	EA Corridor		Area Outside OGC Permit
	OGC PLCC		Wetlands

NOTES :

- 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.

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BCGS 93L . 001 AND 103I . 010

REVISION	DESCRIPTION
0	Issued for Use, February 26, 2021

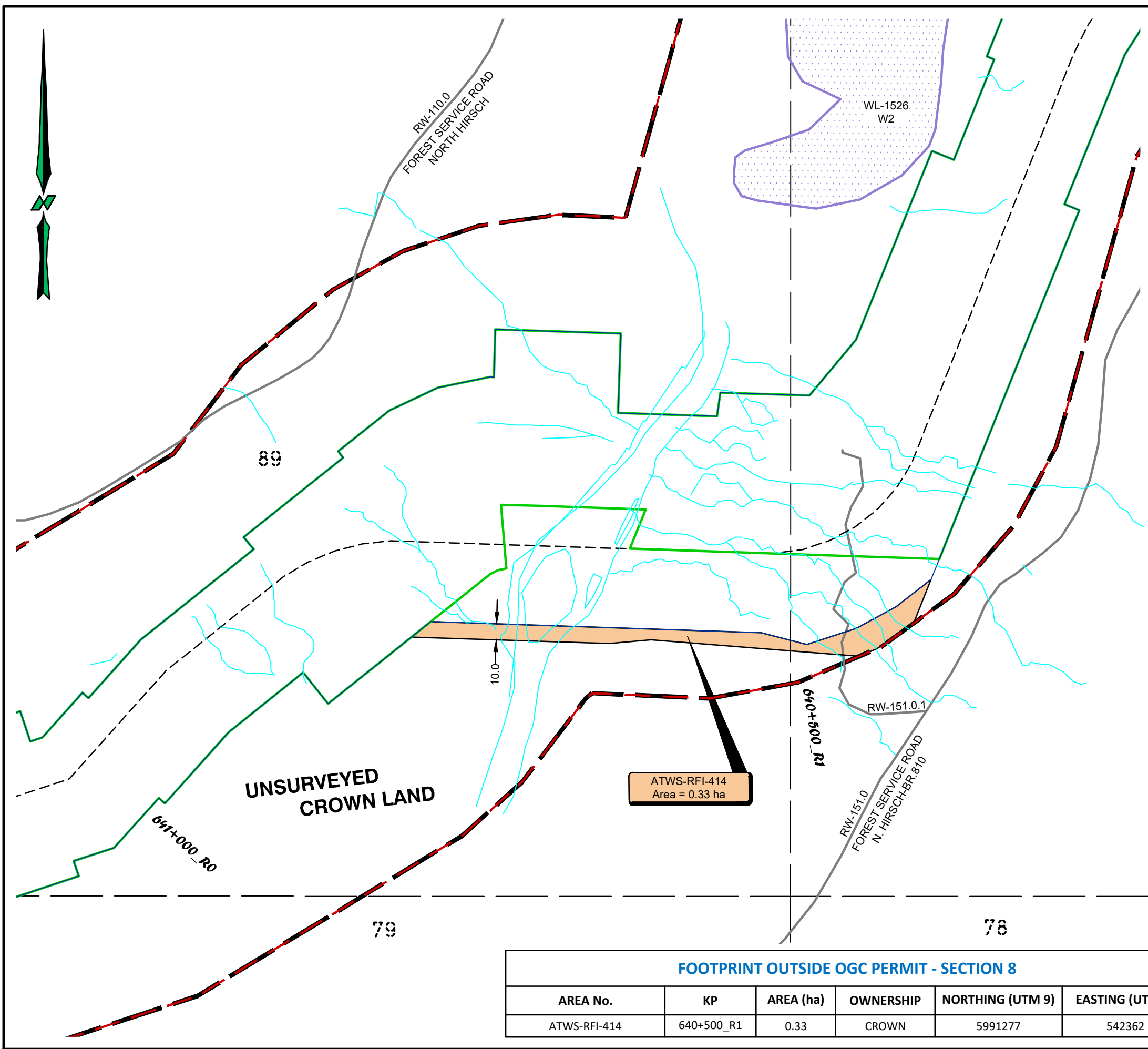


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COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 ICY PASS
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 5 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	Road		Area Outside OGC Permit
	EA Corridor		Wetlands
	OGC PLCC		

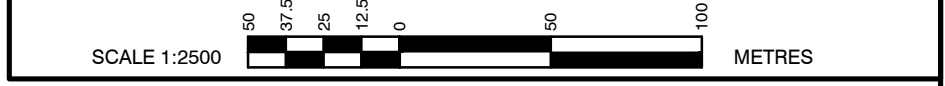
NOTES :

- UTM Coordinates shown are NAD83 Zone 9 N.
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- Distances shown are in metres and decimals thereof.

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BCGS 1031 . 009

REVISION	DESCRIPTION
0	Issued for Use, March 3, 2021



BLOCK C GROUP 103-I-1

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACE
 RFI-414
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	March 3, 2021
Document No. CGW4703-MCSL-G-MP-2829	Rev 0

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8

AREA No.	KP	AREA (ha)	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-RFI-414	640+500_R1	0.33	CROWN	5991277	542362



LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8 (see Mapbook)		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	<p>Permit application Determination number: 100084230</p> <p>24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:</p> <p>a) a previously disturbed area is less than 2 hectares;</p> <p>b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or</p> <p>c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.</p>	
Rationale for Request	Coastal GasLink requires new additional temporary workspace of approximately 57.29 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Extra workspace required to facilitate rock scaling and realignment of pipeline to avoid steep side slopes.	
Desired Date of Request Completion	April 1, 2021 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation – comments in attachment	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Kitselas First Nation – comments in attachment	<input checked="" type="checkbox"/> Leave of Commission Form	
Skin Tyee Nation – comments in attachment	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Wet'suw et'en First Nation – comments in attachment		
Office of the Wet'suw et'en – comments in attachment		
Carrier Sekani Tribal Council		
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request on February 26, 2021.		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		

WORKS IN AND ABOUT A STREAM

N/A E

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major	Ice Bridge	Other (please,)	

ADDITIONAL INFORMATION REQUIREMENTS

F

Attach any documentation that will support a Commission Review :

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION

G

I, Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2021/03/03

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY

DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Bourke, Jacqueline
Sent: Thursday, March 4, 2021 1:35 PM
To: Anderson, Justin
Subject: CGL Leave Request - Sec.8 - Cond. 24 - March 3, 2021
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 condition 24 March3 2021.docx

Hi Justin,

CGL is requesting leave of the Commission for condition 24 of the section 8 pipeline permit in order to construct additional temporary workspace (ATWS) outside of the approved project footprint, but within the construction corridor to accommodate required pipeline re-alignments. The total new ATWS are required will be approximately 57.62ha between the 25 proposed location identified in Table 1: Additional Temporary Workspace, and shown in the plans included in the request. The additional areas, in most cases, are required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal. Some of the ATWS are required in support of CIAS/Sec.10 application 100112840 to provide access to sec.10 locations or facilitate sec.11 work. All requested ATWS is directly adjacent to the approved project footprint. CGL confirms that, should this leave be issued, the authorized cut amount for section 8 would not be exceeded. Mitigation measures are in place and have previously been reviewed as part of the project corridor approval.

A draft leave letter is attached for your review and signature.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
F. 250-794-5390



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s13

Keough, Dana

From: Bourke, Jacqueline
Sent: Monday, February 22, 2021 9:39 AM
To: Anderson, Justin
Subject: CGL Leave Request - Sec. 8 Cond. 21, 24 - Feb. 18, 2021
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditions 21 and 24 Feb18 2021.docx

Coastal GasLink is requesting leave from conditions 21 and 24 of the section 8 pipeline permit due to identifying areas where additional temporary workspace (ATWS) is required in order to address site-specific construction issues (outlined in the included Table 1). CGL requires new ATWS totalling approximately 2.41 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed and, in some cases, within riparian reserve zones. CGL confirms that this additional ATWS would not exceed the permitted limit of new cut on Crown land.

Four areas requiring ATWS have been identified in Table 1 of the request, with one of them being located in the riparian reserve zone of the Kitimat River and requiring leave from both condition 21 and 24. A separate WSA section 11 application has been submitted to the Commission to conduct work in the S6 watercourse (678 1T) that the remaining three ATWS will be required for.

CGL states it has developed specific environmental protection measures and mitigation for impacts to riparian areas and that implementing them will avoid or reduce potential residual and cumulative adverse effects to riparian areas. CGL states that the EAC application considered the effects of clearing in riparian areas and, after applying appropriate mitigation, the residual effect is considered to be reversible and of low magnitude. Finally, CGL states that granting this leave will not change the conclusions of the environmental assessment conducted for this project.

Based on the information provided in the attached table, the reasons for each of the ATWS seem valid. A draft leave letter is attached for your review.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

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s13

Keough, Dana

From: Phillips, Lori L
Sent: Friday, February 19, 2021 2:28 PM
To: Lang, Randy; s19
Cc: Anderson, Justin
Subject: FW: CGL OGC March 2021 Watercourse Crossing Report #11
Attachments: CGL4703-CGP-BCOGC-REG-LTR-4528 _ March WCC Report 11.pdf

Hi all, happy Friday!



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5318
F. 250-794-5390



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From: Shelley McInnis <shelley_mcinnis@tcenergy.com>
Sent: Friday, February 19, 2021 2:21 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Smook, Patrick <Patrick.Smook@bcogc.ca>; eao.compliance@gov.bc.ca; Smith, Clayton H EAO:EX <Clayton.H.Smith@gov.bc.ca>; Chris.Parks@gov.bc.ca; Frechette, Shayla EAO:EX <Shayla.Frechette@gov.bc.ca>; Adair Rigney <adair_rigney@tcenergy.com>; Dan Wyman <dan_wyman@tcenergy.com>; Joseph Campbell <joseph_campbell@tcenergy.com>; Tracy Young <tracy_young@tcenergy.com>
Subject: CGL OGC March 2021 Watercourse Crossing Report #11

Good afternoon,

Please find attached CGL's Scheduled Watercourse Crossings Report #11 for March 2021. This report covers the planned construction of pipeline crossings of watercourses throughout the Project and is filed in response to the following conditions:

- Pipeline Section 1, AD 100082293, Condition 9
- Pipeline Section 2, AD 100082292, Condition 9
- Pipeline Section 3, AD 100082299, Condition 8
- Pipeline Section 4, AD 100082252, Condition 9
- Pipeline Section 5, AD 100082251, Condition 9
- Pipeline Section 6, AD 100082422, Condition 9
- Pipeline Section 7, AD 100082423, Condition 8
- Pipeline Section 8, AD 100084230, Condition 9

Please contact Dan Wyman if you have any questions regarding the contents of this report.

Thank you,

Shelley McInnis
Regulatory Administrative Analyst
Coastal GasLink

shelley_mcinnis@tcenergy.com

cell: s22 desk: 403-920-1370



450 – 1 Street S.W. Calgary, AB
Canada, T2P 5H1

TCEnergy.com

Shelley McInnis
Regulatory Administrative Analyst
Coastal GasLink

shelley_mcinnis@tcenergy.com

cell: s22 desk: 403-920-1370



450 – 1 Street S.W. Calgary, AB
Canada, T2P 5H1

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Thank you

February 19, 2020

Lori Phillips
Applications Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink LLP
450 – 1st Street S.W.
Calgary, AB, Canada T2P 5H1

Tel: 403.920.6296
Fax: 403.920.5324
Email: dan_wyman@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-BCOGC-REG-LTR-4528

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Project)
Scheduled Watercourse Crossings Report #11
References: AD 100082293 Condition 9, AD 100082292 Condition 9, AD 100082299
Condition 8, AD 100082252 Condition 9, AD 100082251 Condition 9, AD 100082422
Condition 9, AD 100082423 Condition 8, and AD 100084230 Condition 9**

As cited in the above conditions Coastal GasLink is required to:

At least one week prior to the beginning of each month, the permit holder must submit a schedule to the Commission indicating the location and timing of horizontal directional drilling, micro-tunneling or in-stream work planned to commence the following month.

Coastal GasLink is submitting the following monthly Watercourse Crossing Schedules to the BC Oil and Gas Commission (OGC) for March 2021.

- Table 1: Horizontal Directional Drill (HDD) and Direct Pipe Installation (DPI) Status and Schedule
- Table 2: Section 1 (AD 100082293) Watercourse Crossings Status and Schedule
- Table 3: Section 3 (AD 100082299) Watercourse Crossings Status and Schedule
- Table 4: Section 4 (AD 100082252) Watercourse Crossings Status and Schedule

No other in-stream work associated with the construction of pipeline crossings is currently scheduled in the remaining pipeline sections for this month.

Coastal GasLink notes the timing of construction provided in the attached tables are based on the current Project schedule and are subject to change without notice due to changing site conditions, final execution plans, permitting and other external factors.

Should you have any questions do not hesitate to contact me at 403-920-6296 or dan_wyman@tcenergy.com.

Sincerely,



Daniel RK Wyman
Team Lead, Regulatory
Coastal GasLink

Table 1: HDD and DPI Schedule

Watercourse Name HDD/DPI	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	Easting	Northing	Work Scheduled to Start	Work Scheduled to End	Summary of Activities Planned for the month
Murray River	1	61.00-WC	10B1	S1A	HDD	25+217	617896.01 e	6172089.74 n	28-Sep-2020	18-Apr-2021	- Reaming activities - Drilling Waste Disposal
Sukunka River	1	186.00-WC	51B1	S1A	HDD	64+431	617896.01 e	6157225 n	15-Jun-2021	24-Aug-2021	No Work Planned
Burnt River	2	270.00-WC	72	S1B	DPI	96+886	617896.01 e	6131508.33 n	1-Apr-2021	31-May-2021	No Work Planned
Parsnip River	3	560.00-WC	205	S1A	DPI	189+659	617896.01 e	6069086 n	1-Oct-2021	30-Nov-2021	No Work Planned
Crooked River	3	654.00-WC	235	S1B	DPI	212+345	617896.01 e	6056162 n	13-Nov-2020	28-Nov-2020	Complete
Salmon River	4	781.00-WC	277	S1A	DPI	254+104	617896.01 e	6027443 n	15-Mar-2021	14-May-2021	- Mobilization of equipment - Equipment setup and testing - Commencement of drilling
Stuart River	4	880.00-WC	SRR9	S1A	DPI	558+400	617896.01 e	6004956.59 n	13-Oct-2020	11-Dec-2020	Complete
Morice River	7	1677.00-WC	558	S1A	HDD	558+400	617896.01 e	6004956.59 n	1-Oct-2021	30-Mar-2022	No Work Planned
Kitimat River	8	2098.00-WC	191C	S1A	DPI	667+162	617896.01 e	5989905.36 n	13-Jul-2020	31-Aug-2020	Complete

Table 2: Section 1 Watercourse Crossings Schedule

Watercourse Name	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	UTM Zone	Easting	Northing	Work Scheduled Start Date	Work Scheduled End Date	Summary of Activities Planned for the month
Unnamed Tributary (Pine River)	1	0117.0-WC	UN41-29	S4	Isolate if flowing, Open Cut if dry or frozen	43+312	10	600535	6169990	March 1, 2021	March 5, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0118.1-WC	UN41-28	S4	Isolate if flowing, Open Cut if dry or frozen	43+457	10	600390	6170015	March 6, 2021	March 10, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0128.0-WC	37B1	S6	Isolate if flowing, Open Cut if dry or frozen	44+847	10	599334	6169308	March 1, 2021	March 5, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0129.0-WC	38B1	S6	Isolate if flowing, Open Cut if dry or frozen	45+030	10	599219	6169168	March 6, 2021	March 10, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0131.1-WC	FO19-15	S6	Isolate if flowing, Open Cut if dry or frozen	45+429	10	598939	6168895	March 11, 2021	March 15, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0134.0-WC	40B1	S6	Isolate if flowing, Open Cut if dry or frozen	46+381	10	598441	6168086	March 16, 2021	March 20, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0138.0-WC	41B1	S6	Isolate if flowing, Open Cut if dry or frozen	47+538	10	597754	6167273	March 1, 2021	March 9, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0140.0-WC	42B1	S6	Isolate if flowing, Open Cut if dry or frozen	47+773	10	597620	6167082	March 10, 2021	March 18, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Pine River)	1	0143.0-WC	43B1	S6	Isolate if flowing, Open Cut if dry or frozen	50+909	10	5966035	6164415	March 19, 2021	March 27, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Cowie Creek)	1	0156.0-WC	46B1	S3	Isolate if flowing, Open Cut if dry or frozen	54+204	10	594449	6161625	March 11, 2021	March 15, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Zonnebeke Creek)	1	0164.0-WC	6C	S6	Isolate if flowing, Open Cut if dry or frozen	57+265	10	593043	6158991	March 21, 2021	March 25, 2021	Dig, Install, Backfill and Reclaim
Unnamed Tributary (Zonnebeke Creek)	1	0165.0-WC	7C	S6	Isolate if flowing, Open Cut if dry or frozen	57+268	10	593040	6158988	March 26, 2021	March 30, 2021	Dig, Install, Backfill and Reclaim

Table 3: Section 3 Watercourse Crossings Schedule

Watercourse Name	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	UTM Zone	Easting	Northing	Work Scheduled Start Date	Work Scheduled End Date	Summary of Activities Planned for the month
Unnamed Tributary (Salmon River)	3	789.00-WC/278	100-593800-29200-04400	S3	Isolate if flowing, Open Cut if dry or frozen	256+452	10	487185	6025964	6-Mar-2021	15-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (Salmon River)	3	J278.01	100-593800-29200-04400	S4	Isolate if flowing, Open Cut if dry or frozen	256+503	10	487143	6025935	3-Mar-2021	9-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim

Table 4: Section 4 Watercourse Crossings Schedule

Watercourse Name	Section	CGL ID	Site ID	Watercourse Designation	Crossing Method	KP	UTM Zone	Easting	Northing	Work Scheduled Start Date	Work Scheduled End Date	Summary of Activities Planned for the month
Youngs Creek	4	802.00-WC/283	100-593800-29200-04400	S3	Isolate if flowing, Open Cut if dry or frozen	265+379	10	480927	6019731	25-Feb-2021	7-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (Youngs Creek)	4	806.00-WC/130C	100-593800-29200-04400	S6	Isolate if flowing, Open Cut if dry or frozen	267+365	10	479094	6019013	23-Feb-2021	5-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
West Creek	4	819.00-WC/291	100-593800-29200-07900	S3	Isolate if flowing, Open Cut if dry or frozen	272+155	10	474994	6016637	2-Mar-2021	10-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (West Creek)	4	823.00-WC/292	100-593800-29200-07900	S3	Isolate if flowing, Open Cut if dry or frozen	273+030	10	474295	6016125	8-Mar-2021	15-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (West Creek)	4	834.00-WC/295	100-593800-29200-07900-4110	S3	Isolate if flowing, Open Cut if dry or frozen	277+190	10	471832	6012924	28-Feb-2021	8-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (West Creek)	4	837.00-WC/132C	100-593800-29200-07900-4110	S3	Isolate if flowing, Open Cut if dry or frozen	278+354	10	471184	6012085	6-Mar-2021	16-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (West Creek)	4	842.00-WC/134C	100-593800-29200-07900-4110	S3	Isolate if flowing, Open Cut if dry or frozen	279+163	10	470424	6011818	8-Mar-2021	16-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (Gravel Creek)	4	861.00-WC/301	182-216500-17100	S3	Isolate if flowing, Open Cut if dry or frozen	288+266	10	463967	6006247	5-Mar-2021	15-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (Stuart River)	4	872.00-WC/SRR4	182	S4	Isolate if flowing, Open Cut if dry or frozen	295+886	10	457104	6004312	1-Mar-2021	11-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Unnamed Tributary (Stuart River)	4	SRR6	182	S4	Isolate if flowing, Open Cut if dry or frozen	297+613	10	455674	6003635	26-Feb-2021	6-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Breadalbane Creek	4	896.00-WC/315	182-359400	S4	Isolate if flowing, Open Cut if dry or frozen	309+407	10	444985	6001022	7-Mar-2021	17-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim
Clear Creek	4	953.00-WC_R0/332	180-296000	S3	Isolate if flowing, Open Cut if dry or frozen	329+514	10	426014.22	5999049	2-Mar-2021	11-Mar-2021	Isolate, Trench, Install Pipe, Backfill, Reclaim

Keough, Dana

From: Anderson, Justin
Sent: Friday, February 19, 2021 8:56 AM
To: Thomas, Sarah; Bourke, Jacqueline
Subject: FW: CGL Sec 8 Leave Request ATWS
Attachments: CGL4703-CGP-REG-LEAVRQ-0097_S8_ATWS_Kitimat River.pdf; OGC leave Form Sec 8 Cond 21_24.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf



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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Friday, February 19, 2021 8:42 AM
To: Anderson, Justin <Justin.Anderson@bcogc.ca>
Cc: Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: CGL Sec 8 Leave Request ATWS



Lori Phillips
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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Thursday, February 18, 2021 6:15 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: CGL Sec 8 Leave Request ATWS

Please find attached a request for leave for ATWS on Section 8 (AD #100084230).

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile:

s22

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s16
Pages: 361-370

February 18, 2021

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Authorizations Manager
BC Oil and Gas Commission
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Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0097

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 1000884230 – Condition 21 & 24**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8, Condition 21 – incremental clearing within riparian reserve zone of S1-S3 watercourses and Condition 24 – additional temporary workspace.

Coastal GasLink has identified various locations along the right of way, where additional temporary workspace would allow for the safe and efficient development of the right of way and watercourse crossings.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to March 22, 2021.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following conditions in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

21. Except with leave of the Commission, incremental clearing for additional work space is not permitted within the riparian reserve zone of streams with a riparian classification of S1-S3.

And,

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

- a) a previously disturbed area is less than 2 hectares;*
- b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
- c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

1.1 REASON FOR REQUEST

Pre-construction assessment of the right of way (ROW) has identified locations where changes are necessary for the purpose of addressing site-specific construction issues. The location and reasoning for the change, including reference to the attached maps (CGW4703-MCSL-G-MP-2776, CGW4703-MCSL-G-MP-2819), are indicated in Table 1. Portions of the requested additional temporary workspace (ATWS) are located within riparian reserve zone (RRZ).

Coastal GasLink requires new ATWS totalling approximately 2.41 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Across all of the Section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 315 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for specific changes is identified in Table 1 and the attached maps (CGW4703-MCSL-G-MP-2776, CGW4703-MCSL-G-MP-2819).

Table 1: Additional Temporary Workspace

Area No.	KP (Rev G)	Area (ha)	Applicable Conditions	Reason for Shift
ATWS Kitimat River CGW4703-MCSL-G- MP-2776	623+500_R0	0.35	21, 24	To allow for safe access to the cable crane bottom anchor
ATWS-KP625+000_R0-1 CGW4703-MCSL-G- MP-2819	625+000_R0	1.34	24	To facilitate the permanent diversion of watercourse 678.1T to minimize identified long-term geohazards. A separate application for a Section 11 permit has been submitted for diversion of the watercourse.
ATWS-KP625+000_R0-2 CGW4703-MCSL-G- MP-2819	625+000_R0	0.66	24	To facilitate the permanent diversion of watercourse 678.1T to minimize identified long-term geohazards. A separate application for a Section 11 permit has been submitted for diversion of the watercourse.
ATWS-KP625+000_R0-3 CGW4703-MCSL-G- MP-2819	625+000_R0	0.06	24	To facilitate the permanent diversion of watercourse 678.1T to minimize identified long-term geohazards. A separate application for a Section 11 permit has been submitted for diversion of the watercourse.
Total		2.41		

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlines the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

Riparian management areas (RMAs), including RRZ, are transitional areas adjacent to a stream, wetland or lake where there is a distinct shift in vegetation from aquatic to upland communities. Special management is required in RMAs to conserve fish or wildlife habitat, biodiversity and water values in the area (BC OGC 2016).

Riparian areas contribute to fish habitat through provision of shade, overhead cover, undercut banks, woody debris, bank stability and filtration of sediments and contaminants. Riparian vegetation will be disturbed within the construction footprint, temporary workspace, watercourse crossings and where access roads are upgraded or where new roads are constructed.

An application has been submitted under Section 11 of the *Water Sustainability Act* for authorization to make changes in and about S6 watercourse 678.1T.

Coastal GasLink's EAC Application considered the effects of clearing of riparian areas (Section 7), and concluded that the effect, after implementation of mitigation, of pipeline construction on alteration or loss of riparian vegetation is considered to be within environmental and regulatory standards (BC MOE and BC MOF 1995, CAPP et al. 2005) and, consequently, of low magnitude. The residual effect is considered to be reversible in the medium to long-term. Application of appropriate mitigation will reduce the residual effects of construction within riparian areas.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential adverse environmental effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Conduct clearing near watercourses or wetlands as described in Section 7.1 and Section 8.4 of the EMP.
- During clearing, fell trees towards the ROW, wherever practical. Recover trees that inadvertently fall into adjacent undisturbed vegetation.
- Avoid disturbance to environmentally sensitive features during clearing as identified by the appropriate signage or fencing. The Environmental Inspector(s) and appropriate Resource Specialist will determine the size of avoidance buffer surrounding these features, if appropriate.
- Where practical, leave stumps in place, particularly on streambanks, to provide surface stability. Dispose of stumps removed from the required work areas by burning or chipping, or stockpile for use in access or line-of-sight control.
- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the width of grading in order to limit the potential for erosion and subsoil compaction, where practical.
- Where practical, avoid grading in riparian areas until installation of the vehicle crossing.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

Watercourse Crossings (Section 8.4 of the EMP)

- Refer to the Fish and Fish Habitat Technical Data Report (Appendix 2-G of the EAC Application) for the windows of least risk associated with the watercourse crossings traversed by the Project.
- Prohibit clearing of extra temporary workspace within 10 m of a watercourse to protect riparian areas. This area shall be clearly marked prior to clearing operations. The construction footprint will be narrowed through the riparian area, if practical.
- Where practical, delay grading of the primary banks of watercourses until immediately before construction of the crossing. If warranted, install appropriate temporary erosion and sediment control structures at the discretion of the Environmental Inspector(s) upon initial disturbance of the vegetative mat and surface material.
- Install erosion and sediment control such as silt fences at all watercourses or waterbodies and on approach slopes to watercourses and waterbodies as directed by the Environmental Inspector(s). (Appendix B, Dwg. STDS-03-ML05-001, STDS-03-ML-05-131, STDS-03-ML-05-132, STDS-03-ML-05-137, STDS-03-ML-05-608).
- If water withdrawal is necessary for the construction of temporary crossings, ensure that necessary provincial approvals are in place and follow DFO conditions, if applicable. Do not withdraw more than 10% of the instantaneous stream flow at any given time. Pump intakes should not disturb the streambed. Pumps must be screened with a maximum mesh size of 2.54 mm and have a maximum screen approach velocity of less than 0.038 m/s where fish habitat is present. Follow design requirements of DFO Freshwater Intake End-of-Pipe Fish Screen Guidelines.
- For watercourse crossings that require channel realignment to facilitate the installation of the crossing, develop individual, site-specific plans that take downstream effects into consideration and ensure:
 - no net loss of fish habitat
 - no obstruction to fish migration
 - no fish mortality or injury
- Inspect all temporary sediment control structures on a regular basis and following precipitation events and snowmelt. Where repairs are warranted, repair before the end of the working day.
- If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4).

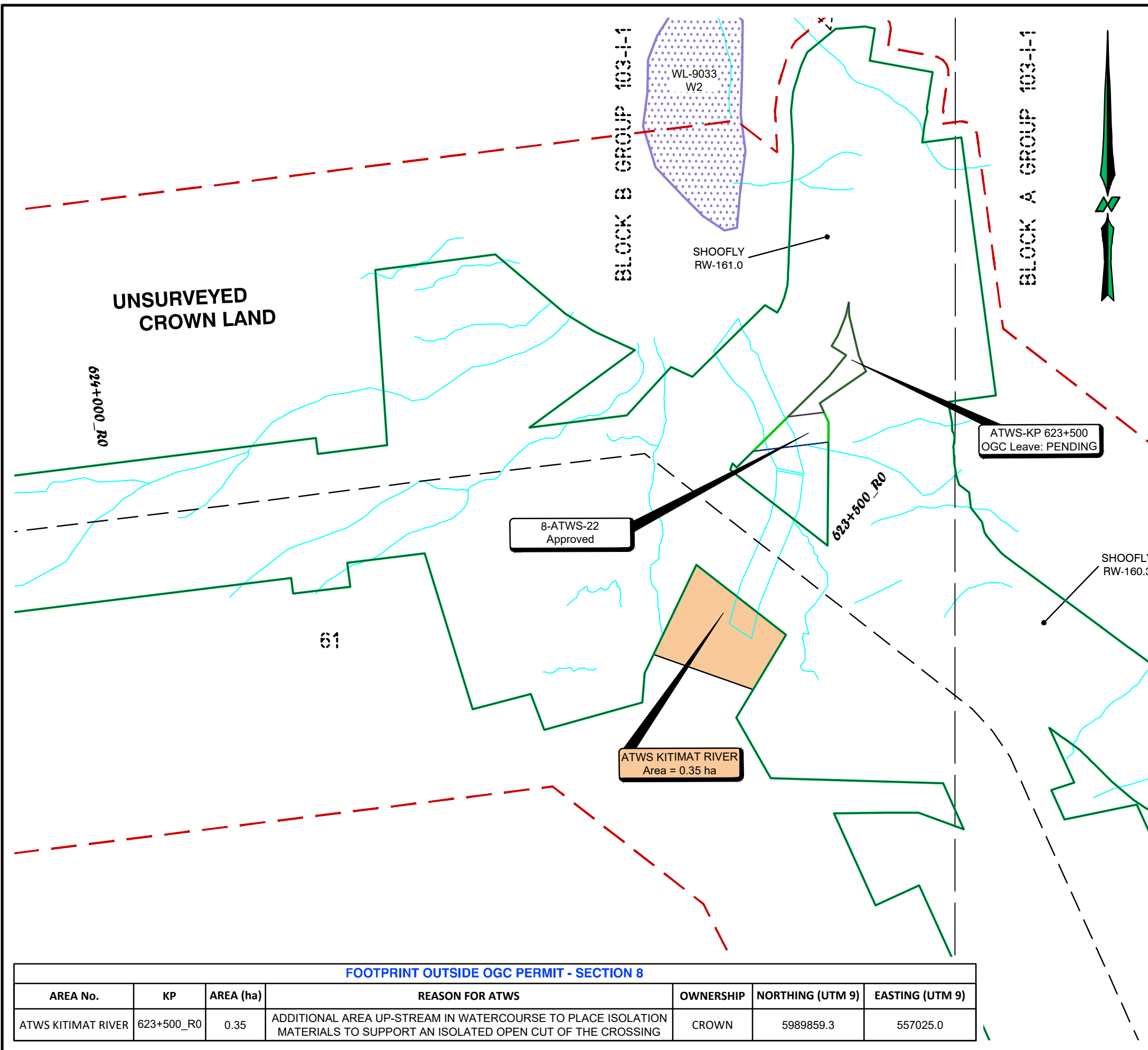
If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment. All of the new ATWS are directly adjacent to the approved footprint.

Mitigation for impacts to riparian areas was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Aboriginal groups. Coastal GasLink will implement this mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on RMA, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.



LEGEND :

- Proposed Pipeline
- Road
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit

NOTES :

- 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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310

BCGS 103I . 010

REVISION	DESCRIPTION
1	Revised ATWS Shape, January 20, 2021



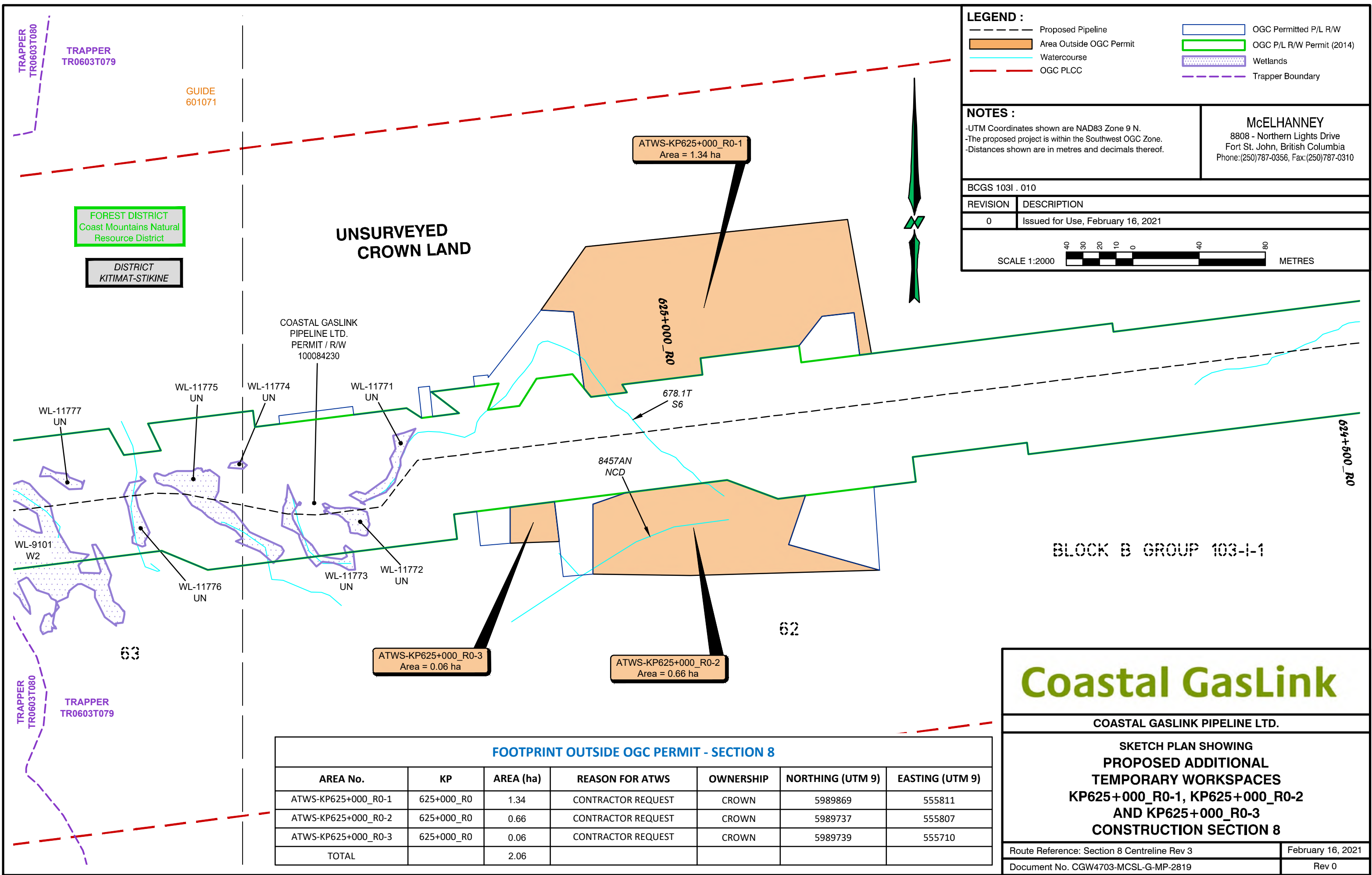
FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8						
AREA No.	KP	AREA (ha)	REASON FOR ATWS	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS KITIMAT RIVER	623+500_R0	0.35	ADDITIONAL AREA UP-STREAM IN WATERCOURSE TO PLACE ISOLATION MATERIALS TO SUPPORT AN ISOLATED OPEN CUT OF THE CROSSING	CROWN	5989859.3	557025.0

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACE
 KITIMAT RIVER
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 1	January 20, 2021
Document No. CGW4703-MCSL-G-MP-2776	Rev 1



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Area Outside OGC Permit		OGC P/L R/W Permit (2014)
	Watercourse		Wetlands
	OGC PLCC		Trapper Boundary

NOTES :

- 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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310

BCGS 103I . 010

REVISION	DESCRIPTION
0	Issued for Use, February 16, 2021

SCALE 1:2000 METRES

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8

AREA No.	KP	AREA (ha)	REASON FOR ATWS	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-KP625+000_R0-1	625+000_R0	1.34	CONTRACTOR REQUEST	CROWN	5989869	555811
ATWS-KP625+000_R0-2	625+000_R0	0.66	CONTRACTOR REQUEST	CROWN	5989737	555807
ATWS-KP625+000_R0-3	625+000_R0	0.06	CONTRACTOR REQUEST	CROWN	5989739	555710
TOTAL		2.06				

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 KP625+000_R0-1, KP625+000_R0-2
 AND KP625+000_R0-3
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	February 16, 2021
Document No. CGW4703-MCSL-G-MP-2819	Rev 0



LEAVE OF COMMISSION FORM Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: OGC, Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200	Date Received
--	---------------

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8 (see Mapbook)		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 21. Except with leave of the Commission, incremental clearing for additional work space is not permitted within the riparian reserve zone of streams with a riparian classification of S1-S3. 24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless: a) a previously disturbed area is less than 2 hectares; b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.	
Rationale for Request	Coastal GasLink requires new additional temporary workspace of approximately 2.41 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Extra workspace required to facilitate watercourse crossing and diversion of a watercourse.	
Desired Date of Request Completion	March 22, 2021 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation – comments in attachment	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Kitselas First Nation – comments in attachment	<input checked="" type="checkbox"/> Leave of Commission Form	
	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request on January 22, 2021.		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		

WORKS IN AND ABOUT A STREAM

NA E

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major Culvert	Ice Bridge	Other (please,)	

ADDITIONAL INFORMATION REQUIREMENTS

F

Attach any documentation that will support a Commission Review :
Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION

G

I Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2021/02/18

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY

DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Thomas, Sarah
Sent: Wednesday, February 3, 2021 12:45 PM
To: Stark, Ryan
Cc: Nielsen, Angela C; Thoroughgood, Garth; Anderson, Justin
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Thank you Ryan.

I have deleted the OW folder from Section 7 and updated the OW letter accordingly.

I will distribute to the other Nations now

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Wednesday, February 3, 2021 11:43 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Thanks Sarah,

Based on my review and our conversations, I am satisfied that:

- For the Sec. 7 Leave Request, DH is potentially impacted and not OW.
- For the Sec. 8 Leave Request, OW is potentially impacted and not DH.

Lets distribute these Leave Requests today.

Cheers,
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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F. 250-794-5390
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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 4:45 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

SOE reports are done

I got DH for Section 7 but not 8 - I will await your findings.

Section 5 letters are complete and SOE is also complete. Below is the link to the folders

<K:\Major Projects\Coastal GasLink\Leaves & Satisfactions\FN Consultation>

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, February 1, 2021 1:42 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Thank you Sarah,

As soon as Whistler is back, I'll have a look.

Great work!

How you feeling?

Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 12:27 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Section 7 & 8 letters and tables can go as soon as we get SOE confirmation for Section 7 and Dark House!

I just need to PDF them and send you a link to OW and DH

I'll do that when we get conformation



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, February 1, 2021 10:32 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

On it.



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 10:17 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Hi Ryan –

I have a SOE for Section 8 but cannot get Whistler to work for me this morning. I keep getting an error. Can you confirm DH in Section 7 but not 8 and get me an SOE for Section 7? Please and thank you

MUCH THANKS

Sarah

Section 7:

Northing (UTM 9)	Easting (UTM 9)
6007418.9	599204.0
6007442.7	599205.5

Section 8:

Northing (UTM 9)	Easting (UTM 9)
5997575.7	574483.7
5997471.5	574352.2



Sarah Thomas
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Sarah.Thomas@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, February 1, 2021 9:06 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

How can I assist with the Leave Requests to OW? Any to DH. When is ETA for distribution?

Thank you very much!!



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 9:52 AM
To: Swan, Ian <Ian.Swan@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Thanks Ian -

I have an identical request for Section 7 to add to OW so let me add that Leave Request to this one and then we can send.

Ian Haisla is not impacted but we may as well send at the same time

I will send along the updated letters for review later today

Thank you

Sarah



Sarah Thomas
First Nations Liaison Officer
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From: Swan, Ian <Ian.Swan@bcogc.ca>
Sent: Friday, January 29, 2021 4:03 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Hi Sarah,

I just looked over the Haisla letter and concerns summary table and they look good to me.

Anything specific in the other packages you want reviewed? If they're the same as the Haisla example, I'd expect they're fine as well.

Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Friday, January 29, 2021 3:46 PM

To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>

Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Subject: CGL Leave Request - Section 8, Condition 17 &18 - Review

Afternoon all,

Here is the next Leave Request. Can someone take a look since I want second eyes as I am not 100% all here

<K:\Major Projects\Coastal GasLink\Leaves & Satisfactions\FN Consultation\2021-01-28 - CGL - Section 8, Condition 17 & 18>

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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Keough, Dana

From: Phillips, Lori L
Sent: Monday, February 1, 2021 2:12 PM
To: Wilson, Jason; OGC Pipelines, Facilities
Cc: Anderson, Justin
Subject: RE: Coastal GasLink Section 8 Condition 56 - Kitimat River (Crossing ID #677)

Thanks Jason – the conditions were slightly renumbered when we updated the permit back in 2018 – the current #56 reads as:

56. Notwithstanding condition 57 a, construction activities at crossings 616 (Clare River), 677 (Kitimat River), 57C2A and 716 (Hirsch Creek Tributaries) must be carried out in accordance with the timing, methods and

Permitting and Authorizations
Physical Address: 6534 Airport Road, Fort St. John, BC
Mailing Address: Bag 2, Fort St. John, BC V1J 2B0

Page 8 of 18

Telephone: (250) 794-5200
Facsimile: (250) 794-5379
24 Hour: (250) 794-5200

Permit Holder: Coastal GasLink Pipeline Ltd.

Application Submission Date: January 31, 2015

Application Determination number: 100084230

Date Issued: November 5, 2018

mitigations specified in the site specific crossing plans that have been submitted to the satisfaction of the Commission for each of these crossings.

Regardless, Justin – can we take a look at this?



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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F. 250-794-5390



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From: Wilson, Jason <Jason.Wilson@bcogc.ca>
Sent: Monday, February 1, 2021 11:24 AM
To: Phillips, Lori L <Lori.Phillips@bcogc.ca>; OGC Pipelines, Facilities <OGCPipelines.Facilities@bcogc.ca>
Subject: RE: Coastal GasLink Section 8 Condition 56 - Kitimat River (Crossing ID #677)

Hello Lori, I don't have any comments for this condition as it is not related to the conditions Engineering added to the permit. Thanks,

shall not cause erosion or silt or release of suspended sediments to watercourses.

56. Flow isolation crossings must be planned and conducted in accordance with the relevant detail in the Construction Section 8 Supplemental Stream Crossings Submission that has been submitted to the satisfaction of the Commission, and in accordance with (b) to (f) of condition 54 and the following additional requirements:
- a. crossings of fish-bearing streams may commence only after confirming that sufficient equipment and supplies are available to complete the crossing in an efficient and timely manner;
 - b. crossing construction within the stream channel, including the location and operation of any equipment, must be isolated from water flowing in the stream;
 - c. activities must be assessed by a qualified professional for suspension if high stream flows present an increased risk to effectively completing the intended crossing installation technique;
 - d. welding, coating, weighting and, where applicable testing, of the pipe must be completed prior to commencement of trenching within fish-bearing water bodies;
 - e. water from flumes, pump-arounds, diversions, or other methods must be released to downstream areas using dissipation structures to avoid causing erosion or sediment release;
 - f. except with leave of the Commission, pump intakes must not disturb beds of streams or wetlands except as necessary to ensure safe installation and operation of equipment and must be screened with maximum mesh sizes and approach velocities in accordance with the Fisheries and Oceans Canada "Freshwater Intake End-of-Pipe Fish Screen Guideline", as amended from time to time;
 - g. water flows downstream of in-stream construction sites must be maintained consistent with upstream flows; and
 - h. ditch plugs must be maintained at or near the banks of the crossing and left in place until the crossing has been initiated.
57. Construction or maintenance activities within a fish bearing stream or wetland must occur:



Jason Wilson P.Eng.
Engineer, Pipelines & Facilities
Jason.Wilson@BCOGC.ca

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F. 250 980-6053



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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>

Sent: Friday, January 29, 2021 10:55 AM

To: Wilson, Jason <Jason.Wilson@bcogc.ca>; OGC Pipelines, Facilities <OGCPipelines.Facilities@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>

Subject: RE: Coastal GasLink Section 8 Condition 56 - Kitimat River (Crossing ID #677)

Hi folks, CGL just asked if we had any feedback or follow up questions on this submission. If you do, let me know!



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
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F. 250-794-5390



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From: Phillips, Lori L

Sent: Friday, December 18, 2020 8:44 AM

To: Wilson, Jason <Jason.Wilson@BCOGC.ca>; OGC Pipelines, Facilities <OGCPipelines.Facilities@bcogc.ca>; Anderson, Justin <Justin.Anderson@BCOGC.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>

Subject: FW: Coastal GasLink Section 8 Condition 56 - Kitimat River (Crossing ID #677)

Hi all, for review.



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Thursday, December 17, 2020 5:08 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: Coastal GasLink Section 8 Condition 56 - Kitimat River (Crossing ID #677)

Please find attached the site specific plan for watercourse crossing ID #677 Kitimat River as required under Condition 56 of Section 8 Pipeline Permit (AD# 10084230) for satisfaction of the Commission.

Please let me know if you have any questions.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

s22

tel: 778-328-5327 mobile
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Keough, Dana

From: Bourke, Jacqueline
Sent: Friday, January 29, 2021 10:35 AM
To: Anderson, Justin
Subject: CGL Leave Request - Section 8 - Conditions 17f & 18 - Jan 28, 2021
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditoin 17f and 18.docx

Hi Justin,

CGL is requesting Leave of the Commission for Conditions 17(f) and 18 of the section 8 pipeline permit.

Field surveys conducted since the Wetland Crossing Table was submitted have either identified additional W2 wetlands or have reclassified existing wetlands as W2. The approved project footprint in Permit Section 8 overlaps with these newly identified or reclassified W2 wetlands and/or wetland riparian management areas. Leave is being requested to permit clearing and site preparation within W2 wetlands and RMA other than what was approved in the permit for W2 wetlands, what is shown on the construction plans and what is required to facilitate stream or wetland crossings.

Table 1 in the submitted leave request identifies three W2 and their associated RMAs which now intersect with the approved footprint as a result of recent field surveys.

CGL states that clearing and site preparation in these W2 wetlands or RMAs will be necessary to construct the pipeline. It will not be possible to construct the pipeline through this approved corridor without development of the workspace (including ATWS) required to accommodate the design of the pipeline, construction and safe construction and operation of the Project.

CGL has developed mitigation measures and a Wetland Management Plan and states The Environmental Assessment Office Assessment report outlines that with the mitigation and monitoring measures Coastal GasLink identified, "the capacity of the wetland to maintain functional integrity would not be threatened. EAO concludes that the proposed Project would not have significant residual effects on wetlands"

A draft leave letter is attached for your review and signature.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
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Pages: 207-208

Keough, Dana

From: Anderson, Justin
Sent: Thursday, January 28, 2021 1:08 PM
To: Bourke, Jacqueline; Thomas, Sarah
Subject: FW: CGL Leave Request Section 8 Condition 17 & 18
Attachments: CGL4703-CGP-REG-LEAVRQ-0101 W2_RMA_S8.pdf; OGC leave Form Sec 8 Cond 17_18.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0162_Witset.pdf



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Thursday, January 28, 2021 1:06 PM
To: Anderson, Justin <Justin.Anderson@bcogc.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: CGL Leave Request Section 8 Condition 17 & 18



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Thursday, January 28, 2021 12:23 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: CGL Leave Request Section 8 Condition 17 & 18

Please find attached a request for leave under Section 8 (100084230) Condition 17 and 18 for clearing within a W2 wetland and association riparian management area.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile

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Thank you

s16

Pages: 458-474

January 28, 2021

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0101

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Conditions 17f & 18**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8, Conditions 17f and 18, clearing in W2 Wetlands and Riparian Management Area (RMA). This request is for leave to allow clearing and site preparation within a W2 wetland and riparian management area not previously approved.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to March 1, 2021.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION 17, 18 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink or the Project) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

17. *Except with leave of the Commission, clearing and site preparation, inclusive of workspace, must not occur within:*

f) *a wetland classified as W2, except WL-1274, WL-1279, WL-1289, WL-1294, WL-1305, WL-1339, WL-1349, WL-1378, WL-1379, WL-1391, WL-1397, WL-1399, WL-1403, WL-1411, WL-1434, WL-1439, WL-1453, WL-1456, WL-1466, WL-1478, WL-1484, WL-1493, WL-1494, WL-1517, WL-1528, WL-1539, WL-1547A, WL-1548, WL-1559, WL-1563, WL-2323, WL-1979, WL-1997, WL-1998, WL-2006, WL-2009, WL-2296, WL-2297, WL-2319, WL-2320, WL-2615, WL-2619, WL-2627, WL-2641, WL-2642, and WL-2647, as identified in the construction plans, or to facilitate crossing of that wetland.* }

And,

18. *Clearing and site preparation must not occur within a RMA except:*

a) *the pipeline right of way, temporary workspace and shooflies, as shown on the construction plans;*

b) *to facilitate a stream or wetland crossing;*

c) *where it does not involve new clearing and existing clearings do not have a reestablished vegetative cover; or*

d) *with leave of the Commission.*

1.1 REASON FOR REQUEST

On June 3, 2015, Coastal GasLink submitted the Section 8 Wetland Crossing Table to the OGC (Coastal GasLinkWetlandCrossings_OGCSec25Application_FINAL_Rev2) through the OGC's KERMIT system. This spreadsheet included all wetlands identified within the OGC construction corridor at that time. Field surveys conducted since the Wetland Crossing Table was submitted have either identified additional W2 wetlands or have reclassified existing wetlands as W2.

The Revision G route (Rev G) of the Coastal GasLink pipeline right-of-way (ROW) includes the workspace, standard temporary workspace (TWS), and additional temporary workspace (ATWS) required to construction the pipeline and is within the approved Environmental Assessment and OGC construction corridor. This footprint, located in Permit Section 8, overlaps with these newly identified or reclassified W2

wetlands and/or wetland riparian management areas (RMA). Leave is being requested to permit clearing and site preparation within W2 wetlands and RMA other than what was approved in the permit for W2 wetlands, what is shown on the construction plans and what is required to facilitate stream or wetland crossings.

Clearing and site preparation in these W2 wetlands or RMAs will be necessary to construct the pipeline. It will not be possible to construct the pipeline through this approved corridor without development of the workspace (including ATWS) required to accommodate the design of the pipeline, construction and safe construction and operation of the Project.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Routing within the approved OGC construction corridor followed Project pipeline route selection criteria which includes minimizing the total route length and Project footprint and avoiding or reducing the potential for adverse effects on landowners, land users and the environment. Routing also includes consideration of technical components such as design, constructability and safety.

Due the linear nature of pipeline construction, and the constrained working area, the ROW must be cleared, and access established in advance of mechanical work (e.g. grading, stringing, welding, trenching etc.). The ROW and access must be developed and maintained in a manner that supports safe and efficient construction of the pipeline, while also avoiding and reducing potential adverse effects on environmental and traditionally important resources. In Table 1 below, Coastal GasLink has identified locations where workspace is not needed to facilitate a stream or wetland crossing but where there is overlap with W2 wetlands or RMA’s which extend into workspace (i.e., not being crossed). The intersection numbers identified within Table 1 correspond to the mapbook (CGW4703-MCSL-G-MP-2796-001-003) included with this submission.

Table 1: ROW, TWS and ATWS in Wetland and Wetland RMA

Wetland Number	Mapbook Sheet	Footprint/RMA Intersection	Purpose and Justification
WL-10144	Wetland Mapbook Sheet 1 of 3	LA8-1 LA8-2 LA8-3 LA8-4 LA8-5	WL-10144 intersects with Project route (LA8-1, LA8-3, LA8-4, LA8-5). The RMA also intersects with Project route (LA8-2). The workspace shown is required to facilitate safe and efficient pipeline construction.

Wetland Number	Mapbook Sheet	Footprint/RMA Intersection	Purpose and Justification
WL-9095	Wetland Mapbook Sheet 2 of 3	LA8-6 LA8-7	WL-9095 intersects with the Project route (LA8-6), as does the RMA (LA8-7). The workspace shown is required to facilitate safe and efficient pipeline construction.
WL-10106	Wetland Mapbook Sheet 3 of 3	LA8-8 LA8-9 LA8-10	WL-10106 RMA intersects with the Project route (LA8-10). WL-10106 (LA8-8) and RMA (LA8-9) also intersects with shoofly RW-1640.0 The workspace shown is required to facilitate safe and efficient pipeline construction.

Wetland locations shown on the mapbooks are based on Terrain Resource Information Management (TRIM) data. Coastal GasLink has undertaken further review and refinement of its watercourse mapping using LiDAR data to improve location accuracy.

2.2 ENVIRONMENTAL EFFECT

The Environmental Assessment Certificate (EAC) Application assessed wetland function. Wetlands classes identified in the Project LSA include bogs, fens, swamps, marshes and shallow open waters (NWWG, 1997). There are three wetland riparian classes as defined in the Environmental Protection and Management Guideline (BC OGC 2016): W1 (wetland is greater than 5 ha); W2 (wetland is not less than 0.25 ha but not more than 5 ha); and, W3 (wetland is greater than 1000 ha and located in BWBSmw1 or BWBSmw2 biogeoclimatic subzone).

Wetlands provide essential ecological functions, which can be split into the following three categories: hydrologic; habitat; and, biogeochemical functions. Pipeline installation has the potential to cause changes to the hydrological flow (e.g., surface or groundwater flow) of a wetland. Pipeline construction activities could potentially alter habitat function of wetlands (e.g., changes in floristic species composition, interruption of wildlife movements and fragmentation of natural habitats) and changes to the hydrologic regime potentially could affect wetland biogeochemical function (e.g., soil disturbance influencing carbon sequestration function).

The Environmental Assessment Office (EAO) Assessment report outlines that with the mitigation and monitoring measures Coastal GasLink identified, “the capacity of the wetland to maintain functional integrity would not be threatened. EAO concludes that the proposed Project would not have significant residual effects on wetlands”. To avoid or reduce the potential adverse effects of construction on wetlands, Coastal GasLink has developed mitigation as outlined in the following section.

Riparian Management Areas

RMAs are transitional areas adjacent to a stream, wetland or lake where there is a distinct shift in vegetation from aquatic to upland communities. Special management is required in RMAs to conserve fish or wildlife habitat, biodiversity and water values in the area (BC OGC 2016).

Riparian areas contribute to fish habitat through provision of shade, overhead cover, undercut banks, woody debris, bank stability and filtration of sediments and contaminants. Riparian vegetation will be disturbed within the construction footprint, temporary workspace, watercourse crossings and where access roads are upgraded or where new roads are constructed.

Coastal GasLink's EAC Application considered the effects of clearing of riparian areas (Section 7), and concluded that the effect, after implementation of mitigation, of pipeline construction on alteration or loss of riparian vegetation is considered to be within environmental and regulatory standards (BC MOE and BC MOF 1995, CAPP et al. 2005) and, consequently, of low magnitude. The residual effect is considered to be reversible in the medium to long-term. Application of appropriate mitigation will reduce the residual effects of construction within riparian areas.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans (e.g. Wetland Management Plan (WMP), Appendix D.12 of the EMP) to avoid and reduce potential environmental adverse effects during construction of the Project. The EMP and management plans have been approved by the EAO.

Where W2 wetlands cannot be avoided, Coastal GasLink will employ mitigation as described in the WMP and sections 7 and 8 of the EMP to ensure wetland function is restored such that it is comparable to pre-construction conditions. Section 8.4.3 of the EMP describes mitigation measures specific to riparian buffers and riparian areas during construction. Coastal GasLink will implement the following mitigations that was developed in consultation with provincial and federal authorities and Indigenous groups, as required to minimize potential impacts to wetlands:

- Reduce activity in areas within 30 m of a wetland, to the extent practical.
- Install berms, cross ditches or silt fences between wetlands (non-peat) and disturbed areas when deemed necessary by the Environmental Inspector(s).
- Reduce the area of disturbance when crossing a wetland, to the extent practical.

- Reduce grading within wetland boundaries to the extent practical, do not use temporary workspace within the boundaries of wetlands, unless necessary for site-specific purposes. Temporary workspace within the boundary of a wetland must be approved by the Environmental Inspector(s).
- Where the open trench has the potential to dewater a wetland, undertake trenching in a manner that prevents the flow of water along the trench.
- Replace trench material as soon as practical and re-establish construction preparation contours within the wetland boundary to maintain cross ROW drainage.
- Replace trench spoil in the same manner as it was excavated, avoiding admixing of soils and uneven contour.
- Where construction occurs during frozen conditions, delay final cleanup (i.e., soil feathering, grade touch-ups, final contouring and surface soil/surface material replacement) until the following summer.
- Special measures, such as limiting construction traffic or installing swamp mats or matting may be warranted in areas with poorly-drained and organic soils (refer to the Wet Soils Contingency Plan in Appendix C of the EMP).
- All equipment must arrive at the Project site clean and free of soil or vegetative debris. Equipment will be inspected by the Environmental Inspector(s) or designate and, if deemed to be in appropriate condition, will be identified with a suitable marker or tag. Any equipment that arrives in a dirty condition will not be allowed on the ROW until it has been cleaned.
- In wetlands, implement appropriate mitigation for wildlife (e.g., mitigation for migratory birds, amphibian breeding habitat, ungulate winter range, raptor nests) as detailed in the EMP (Appendix 2-A of the EAC Application), as applicable.
- For Species at Risk listed under Schedule I of the Species at Risk Act (SARA), Coastal GasLink will confirm whether a permit pursuant to Section 73 of SARA is required before conducting any activity that could contravene SARA.
- If wetlands contain fish habitat, implement appropriate mitigation to protect fish habitat as detailed in the EMP (Appendix 2-A of the EAC Application).
- Reduce the removal of vegetation in wetlands to the extent practical.
- Conduct clearing near watercourses or wetlands as described in Sections 7.1 and 8.4 of the EMP.
- Prohibit clearing of extra temporary workspace within 10 m of a watercourse to protect riparian areas. This area shall be clearly marked prior to clearing operations. The Construction footprint will be narrowed through the riparian area, if practical.

- Limit clearing activities at watercourse crossings to the removal of trees and shrubs to the ditch line and work side areas required for vehicle crossings.
- Fell trees away from watercourses. Immediately remove trees, debris or soil inadvertently deposited below the high watermark of a watercourse. When altering a tree that is located on the bank of a waterbody, where practical, ensure that the root structure and stability are maintained to help bind the soil and encourage rapid colonization of low-growing plant species.
- If the working surface is unstable, do not permit clearing equipment within the 10 m riparian buffer, pending consultation with the Environmental Inspector(s). Following clearing, the 10 m riparian buffer will remain intact (i.e., consisting of low-lying understory vegetation).
- When riparian areas are being crossed the following mitigation will be implemented: include no extra temporary workspace, limit grubbing to the ditch line, and lay geotextile material or place log corduroy alongside the riparian area for heavy machinery, where applicable.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission so that it can construct through W2 wetlands and RMAs and utilize all of the workspace shown in its construction plans. This is necessary so that Coastal GasLink can safely and efficiently execute construction in accordance with its schedule.

Mitigation for impacts to riparian areas was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement this mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on these wetlands, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCE

British Columbia Oil and Gas Commission (BC OGC). 2016. *Environmental Protection and Management Guideline Version 2.3*.

British Columbia Ministry of Forests and British Columbia Ministry of Environment. 1995. *Riparian Management Area Guidebook. Forest Practices Code of British Columbia Guidebook*.

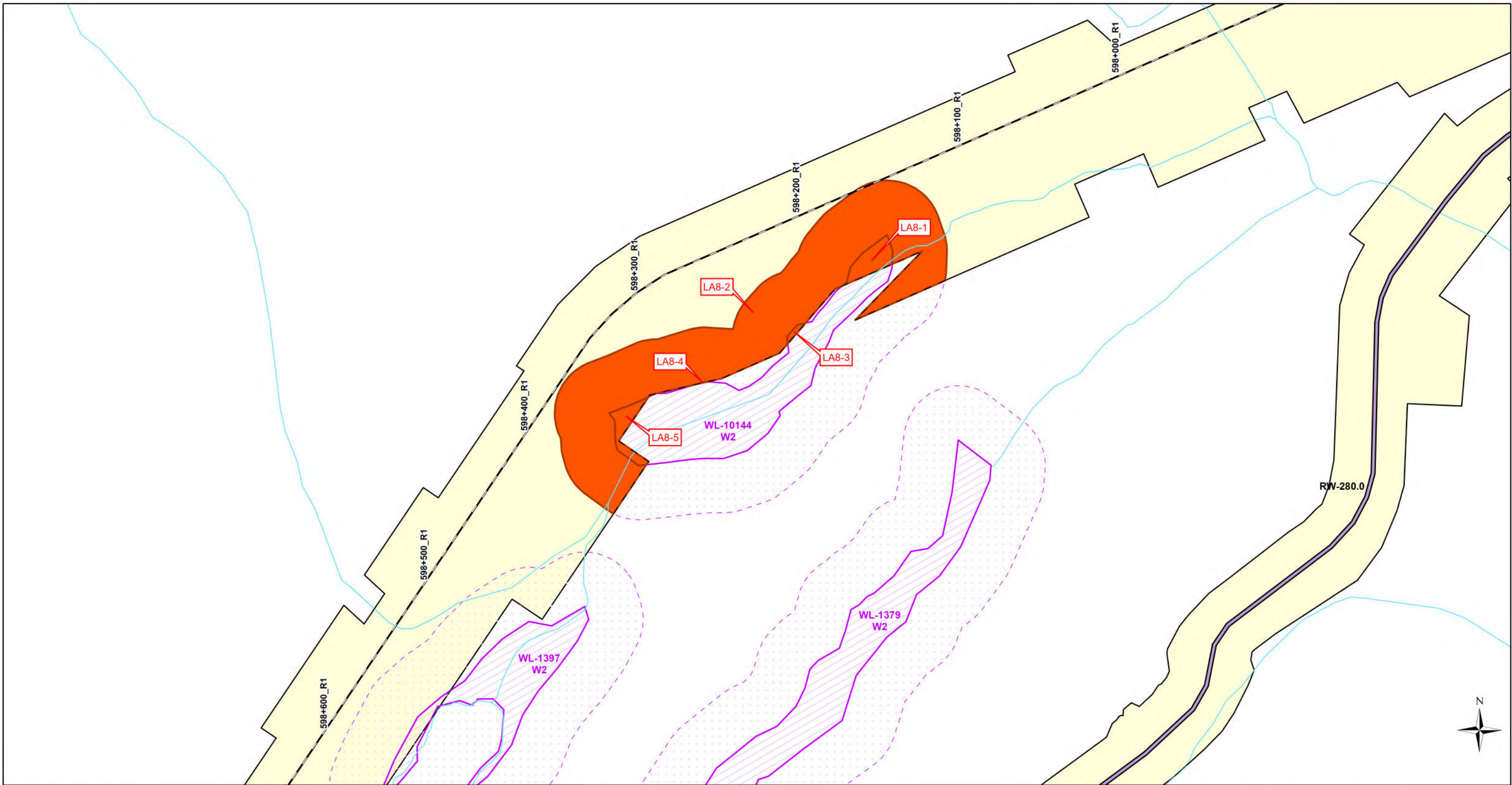
Canadian Association of Petroleum Producers, Canadian Energy Pipeline Associations and Canadian Gas Association. 2005. *Pipeline Associated Watercourse Crossings 3rd Editions*. Prepared by TERA Environmental Consultants and Salmo Consulting Inc. Calgary AB.

Coastal GasLink

Chance Find Wetland Leave Section 8 Rev 0

Chance Finds Wetland Leave - Section 8						
Area No.	KP (Rev 2)	Area (ha)	Ownership	Overlap	Northing (UTM 9)	Easting (UTM 9)
LA8-1	598+166_R1	0.03	Crown	Wetland	5997575.7	574483.7
LA8-2	598+167_R1	0.96	Crown	RMA	5997593.2	574472.8
LA8-3	598+226_R1	0.01	Crown	Wetland	5997532.7	574444.5
LA8-4	598+302_R1	0.01	Crown	Wetland	5997500.6	574396.3
LA8-5	598+368_R1	0.03	Crown	Wetland	5997471.5	574352.2
LA8-6	637+206_R0	0.20	Crown	Wetland	5992831.6	544937.2
LA8-7	637+222_R0	0.70	Crown	RMA	5992866.5	544927.7
LA8-8	645+901	0.17	Crown	Wetland	5991354.2	537174.0
LA8-9	645+889	0.59	Crown	RMA	5991323.9	537186.6
LA8-10	645+885	0.39	Crown	RMA	5991494.2	537189.2

Wetland Shapefile Reference: [CGL_Wetland_MasterFile_Rev7_201210](#)



Legend

- Leave Application
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Coastal GasLink Route (Section 8 Centreline Rev 2)
- Existing Road (Contractor Requested)
- Non-Status Road (Contractor Requested)
- Shoofly (Contractor Requested)
- Wetlands
- Riparian Management Area
- Watercourse

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

Chance Find Wetland Leave Section 8

Sheet 1 of 3

Route Reference: Section 8 Centreline Rev 2

January 15, 2021

Document No.: CGW4703-MCSL-G-MP-2796-001

Rev 0

REVISION	DESCRIPTION	REVISION	DESCRIPTION
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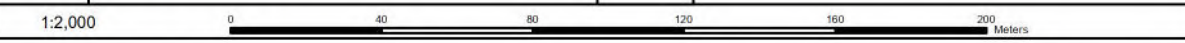




Legend

- Leave Application
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Coastal GasLink Route (Section 8 Centreline Rev 2)
- Existing Road (Contractor Requested)
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- Shoofly (Contractor Requested)
- Wetlands
- Riparian Management Area
- Watercourse

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0	Issued for Use, January 15, 2021		



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Chance Find Wetland Leave Section 8

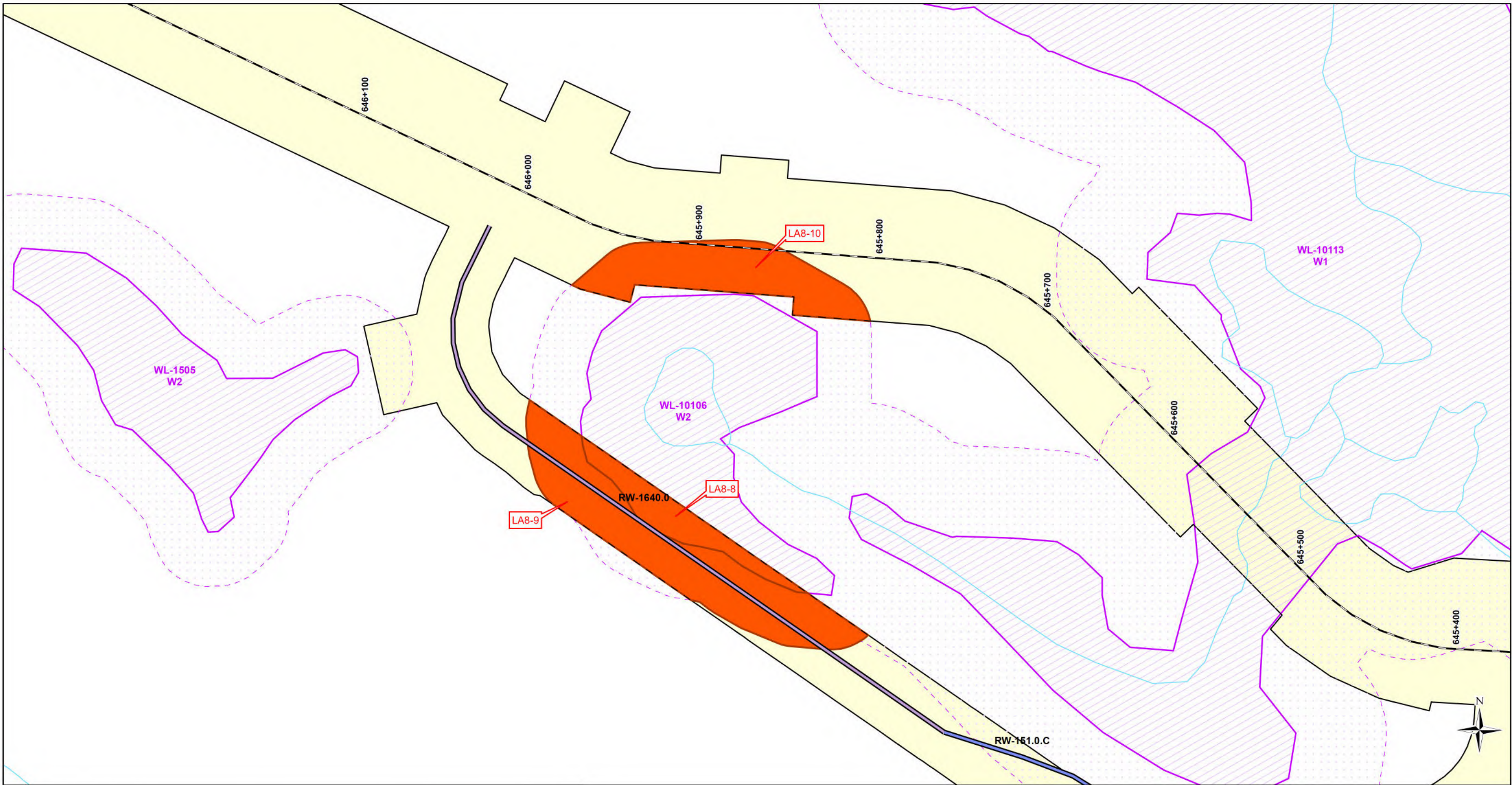
Sheet 2 of 3

Route Reference: Section 8 Centreline Rev 2

January 15, 2021

Document No.: CGW4703-MCSL-G-MP-2796-002

Rev 0



Legend

- Leave Application
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Coastal GasLink Route (Section 8 Centreline Rev 2)
- Existing Road (Contractor Requested)
- Non-Status Road (Contractor Requested)
- Shoofly (Contractor Requested)
- Wetlands
- Riparian Management Area
- Watercourse

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Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

Chance Find Wetland Leave Section 8

Sheet 3 of 3

Route Reference: Section 8 Centreline Rev 2

January 15, 2021

Document No.: CGW4703-MCSL-G-MP-2796-003

Rev 0



LEAVE OF COMMISSION FORM Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: OGC, Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200	Date Received
--	---------------

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY	A
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Commission File No. AD No.:

ADMINISTRATION	B
-----------------------	----------

Applicant Name: Coastal GasLink Pipeline Ltd.

Address: 630 – 609 Granville Street

City, Province, Postal Code: Vancouver, BC V7Y 1G5

Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
----------------------	---------------------------------	---------------------

Referral Company:	Email:	Phone:
-------------------	--------	--------

Agent Name:	Internal File No.:
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APPLICATION INFORMATION	C
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Surface Location: Section 8 (see Mapbook) N/A

Permit Condition Request relates to (copy full text)	<p>Permit application Determination number: 100084230</p> <p>17. <i>Except with leave of the Commission, clearing and site preparation, inclusive of workspace, must not occur within:</i></p> <p style="margin-left: 20px;">f) <i>a wetland classified as W2, except WL-1274, WL-1279, WL-1289, WL-1294, WL-1305, WL-1339, WL-1349, WL-1378, WL-1379, WL-1391, WL-1397, WL-1399, WL-1403, WL-1411, WL-1434, WL-1439, WL-1453, WL-1456, WL-1466, WL-1478, WL-1484, WL-1493, WL-1494, WL-1517, WL-1528, WL-1539, WL-1547A, WL-1548, WL-1559, WL-1563, WL-2323, WL-1979, WL-1997, WL-1998, WL-2006, WL-2009, WL-2296, WL-2297, WL-2319, WL-2320, WL-2615, WL-2619, WL-2627, WL-2641, WL-2642, and WL-2647, as identified in the construction plans, or to facilitate crossing of that wetland.</i></p> <p>18. <i>Clearing and site preparation must not occur within a RMA except:</i></p> <p style="margin-left: 20px;">a) <i>the pipeline right of way, temporary workspace and shooflies, as shown on the construction plans;</i></p> <p style="margin-left: 20px;">b) <i>to facilitate a stream or wetland crossing;</i></p> <p style="margin-left: 20px;">c) <i>where is does not involve new clearing and existing clearings do not have a reestablished vegetative cover; or</i></p> <p style="margin-left: 20px;">d) <i>with leave of the Commission..</i></p>
--	--

Rationale for Request	Coastal GasLink requires leave to allow clearing to progress in W2 wetlands and associated riparian management areas that were not identified on the 2014 construction plans.
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Desired Date of Request Completion	March 1, 2021 to provide project certainty to construction contractors
------------------------------------	--

Primary Activity: Well Facility Geophysical Pipeline Road NEB Pipeline

FIRST NATIONS INFORMATION	D
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Ensure the following are attached to the application for First Nations engagement purposes:

First Nations	Attachments
Haisla Nation – comments in attachment	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)
Carrier Sekani Tribal Council	<input checked="" type="checkbox"/> Leave of Commission Form
Skin Tyee Nation – comments in attachment	<input checked="" type="checkbox"/> Any documents provided to support Leave Request
Witset First Nation – comments in attachment	
Office of the Wet'suw et'en – comments in attachment	
Wet'suw et'en First Nation – comments in attachment	

Permit Holder Engagement: Coastal GasLink has provided notification to First Nations on January 22, 2021 identified regarding its intent to file this request

WORKS IN AND ABOUT A STREAM

Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> NA

WORKS IN AND ABOUT A STREAM

NA **E**

Crossing Number

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major	Ice Bridge	Other (please,)	

ADDITIONAL INFORMATION REQUIREMENTS

F

Attach any documentation that will support a Commission Review:
Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION

G

I Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2021/01/28

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MMDD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Post Permit Requests
Sent: Thursday, January 28, 2021 11:11 AM
To: Anderson, Justin
Subject: FW: CGL Section 8 Supplemental Stream Crossing Addendum 6
Attachments: CGL4703-CGP-BCOGC-REG-LTR-4414_Sec 8 Addendum 6 .pdf



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Wednesday, January 27, 2021 11:41 AM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: CGL Section 8 Supplemental Stream Crossing Addendum 6

Please find attached Addendum 6 of the supplemental stream crossing submission (Conditions 52, 53, 57, 58, 59 and 67) of Section 8 Pipeline Permit ((AD# 100084230) for satisfaction of the Commission.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile
TCEnergy.com

s22

January 27, 2021

Lori Phillips
Authorization Manger
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

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Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-BCOGC-REG-LTR-4414

Dear Ms. Phillips

**Re: Coastal GasLink Pipeline Project (Project)
Satisfaction of the Commission - Supplemental Stream Crossing Submission Addendum 6
Section 8 Pipeline Permit AD # 100084230 – Conditions 52, 53, 57, 58, 59, 67**

Please find enclosed a request for satisfaction of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit Conditions 52, 53, 57, 58, 59 and 67 – Supplemental Stream Crossing Submission Addendum 6. The Submission is required by the referenced Conditions on the Section 8 Pipeline Permit (AD #100084230), and addresses additional information identified since the original Submission received satisfaction of the Commission on June 2, 2016 and five addendums (satisfaction received February 5, 2019, June 4, 2019, July 3, 2019, April 15, 2020 and September 10, 2020).

The structure of the Submission has been modified to include additional information, identified through ongoing construction and regulatory planning:

- this Submission includes three watercourse crossing tables (Table 2 Ditchline, Table 3 Shoo-flies and Table 4 Right-of-Way). The right-of-way (ROW) table identifies watercourses that cross into the ROW and/or workspace but do not cross the pipeline itself.
- a Qualified Environmental Professional (QEP) timing window is included in each watercourse crossing table in Addendum 6. In accordance with Condition 60, construction activities will occur during the applicable least risk windows, as specified for the Skeena Region, or the QEP window identified in these tables.
- the Oil and Gas Activity Application Manual (OGC 2018), identifies that a non-classified drainage (NCD) is not defined or classified as a stream. NCDs have been removed from the Submission other than those that were downgraded from streams during the 2019 Stream Screening Program.

In order to provide certainty to our construction contractors Coastal GasLink is seeking a determination from the OGC prior to March 1, 2021. Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink



OGC Construction Section 8
Supplemental Stream Crossings Submission
Addendum 6

Work Package 4

CGL4703-JEG4-ENV-RPT-0019

January 15, 2021

Revision 0A

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Jacobs

Contents

Revision Log

Acronyms and Abbreviations..... iii

1. Introduction.....1

2. Stream Crossings List.....1

3. Qualified Environmental Professional Timing Windows and Additional Mitigation23

 3.1 Overview.....23

 3.2 Qualified Environmental Professional Timing Windows.....23

 3.2.1 No Timing Restrictions (Open Qualified Environmental Professional
 Timing Windows).....23

 3.2.2 Qualified Environmental Professional Timing Windows to
 Avoid Potential Fish Migration Periods.....23

 3.3 Spawning Deterrents24

4. References.....25

Tables

1 List of Supplemental Stream Crossings Submission Addendums1

2 Stream Crossings List (Addendum 6) – Ditchline.....2

3 Stream Crossings List (Addendum 6) – Shoo-flies19

4 Stream Crossings List (Addendum 6) – Right-of-Way (Workspace and Buffer)20

Acronyms and Abbreviations

BC OGC	British Columbia Oil and Gas Commission
BT	Bull Trout
Coastal GasLink	Coastal GasLink Pipeline Ltd.
DFO	Fisheries and Oceans Canada
EMP	Environmental Management Plan
LRW	Least Risk Window
CH	Chinook Salmon
CM	Chum Salmon
CO	Coho Salmon
CT	Cutthroat Trout
DV	Dolly Varden
KO	Kokanee Salmon
KP	Kilometre Post
km	kilometre(s)
m	metre(s)
N/A	not applicable
NCD	non-classified drainage
QEP	Qualified Environmental Professional
QP	Qualified Professional
RB	Rainbow Trout
ST	Steelhead
UTM	universal traverse Mercator

1. Introduction

The British Columbia Oil and Gas Commission (BC OGC) issued the Coastal GasLink Pipeline Ltd. (Coastal GasLink) Pipeline Permit (Application 100084230) for BC OGC Construction Section 8 (the Pipeline Permit) on April 29, 2016, which was reissued on November 5, 2018. Conditions 52, 53, 57, 58, 59, and 67 of the Pipeline Permit require Coastal GasLink to receive Satisfaction of the Commission for Supplemental Stream Crossings Submissions. On June 2, 2016, the BC OGC confirmed that the original submission was to the Satisfaction of the Commission in form and content.

Since that time, construction planning has progressed, including additional field surveys and desktop studies requiring preparation of further Supplemental Stream Crossings Submissions. These have been submitted to the BC OGC as amendments or addendums to the original Supplemental Stream Crossings Submission. Table 1 provides a summary of submissions since Satisfaction of the Commission was received for the original Supplemental Stream Crossings Submission.

Table 1. List of Supplemental Stream Crossings Submission Addendums

Submission Name	Date of Submission to BC OGC	Date of Satisfaction from BC OGC	Description
Amendment 1	January 24, 2019	February 5, 2019	Updates to streams and wetlands
Addendum 1	April 5, 2019	June 4, 2019	Updates to streams only
Addendum 2	June 27, 2019	July 3, 2019	Updates to streams only
Addendum 3	April 13, 2020	April 15, 2020	Updates to streams only
Addendum 4	April 13, 2020	April 15, 2020	Updates to wetlands only
Addendum 5	September 4, 2020	September 10, 2020	Updates to streams and wetlands

Previous Supplemental Stream Crossings Submissions to the BC OGC have included effects assessments in consideration of the federal *Fisheries Act*. Bill C-68 received royal assent on June 21, 2019, and the Fish and Fish Habitat Protection Provisions and regulations of the amended federal *Fisheries Act* came into force on August 28, 2019 (Fisheries and Oceans Canada [DFO] 2019). Subsequent submissions to DFO consider amendments such as reinstating the prohibition against harmful alteration, disruption, or destruction of fish habitat, and have been submitted under a separate cover to DFO.

2. Stream Crossings List

As required by the Pipeline Permit, changes to stream crossings not described in the original Supplemental Stream Crossings Submission or subsequent addendums must be identified prior to commencing construction. This addendum includes updates to a total of 52 stream crossings as a result of fieldwork completed in 2020, further desktop review, or both. Tables 2, 3, and 4 contain information on these streams and are provided for Satisfaction of the Commission.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
<i>Streams with Updated Information</i>																	
593	Unnamed tributary (Gosnell Creek)	583+695	584529	6003571	Implement the applicable measures identified in Sections 6, 7, and 8 of the Environmental Management Plan (EMP) (Coastal GasLink 2018).	3.47	S3	Dolly Varden (DV), Rainbow Trout (RB)	No window	January 1 to December 31	September 2 to 17	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	The fish presence at this site was updated based on additional literature review. There is a documented barrier downstream on tributary WSC-460-600600-50800-00500-5730, approximately 3.7 kilometres (km) upstream from the confluence with Gosnell Creek. The barrier is a 4-m-high falls, and two additional cascades are noted within 50 m upstream of the falls. The first is a 2-m-high by 3-m-long cascade and the second is a 2.5-m-high by 3-m-long cascade. Extensive sampling throughout the drainage above the barriers has confirmed the presence of DV and RB, however, Bull Trout (BT) were not captured or observed (David Bustard and Associates Ltd. 1999). Records of BT in provincial databases are expected to be mis-identified DV.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
595	Unnamed tributary (Gosnell Creek)	584+149	584149	6003379	Implement the applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	2.03	S3	DV, RB	No window	July 15 to August 15 and December 1 to March 31	July 3 to August 5	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	The fish presence at this site was updated based on additional literature review. There is a documented barrier downstream on tributary WSC-460-600600-50800-00500-5730, approximately 3.7 km upstream from the confluence with Gosnell Creek. The barrier is a 4-m-high falls, and two additional cascades are noted within 50 m upstream of the falls. The first is a 2-m-high by 3-m-long cascade and the second is a 2.5-m-high by 3-m-long cascade. Extensive sampling throughout the drainage above the barriers has confirmed the presence of DV and RB, however, BT were not captured or observed (David Bustard and Associates Ltd. 1999). Records of BT in provincial databases are expected to be mis-identified DV.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
1F	Unnamed lake (Gosnell Creek)	586+702	582116	6003750	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	-	L3	DV, RB	No window	July 15 to August 15 and December 1 to March 31	July 16 to August 11	Isolate if flowing, open cut if dry or frozen	Typical	Not applicable (N/A)	N/A	No	The fish presence at this site was updated based on additional literature review. There is a documented barrier downstream on tributary WSC-460-600600-50800-00500-5730, approximately 3.7 km upstream from the confluence with Gosnell Creek. The barrier is a 4-m-high falls, and two additional cascades are noted within 50 m upstream of the falls. The first is a 2-m-high by 3-m-long cascade and the second is a 2.5-m-high by 3-m-long cascade. Extensive sampling throughout the drainage above the barriers has confirmed the presence of DV and RB, however, BT were not captured or observed (David Bustard and Associates Ltd. 1999). Records of BT in provincial databases are expected to be mis-identified DV.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
598	Unnamed tributary (Gosnell Creek)	586+771	582047	6003758	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	1.48	S4	DV, RB	No window	December 1 to March 31	August 16 to 31	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	The channel width was updated based on the September 2020 field visit and fish presence was updated based on additional literature review. There is a documented barrier downstream on tributary WSC-460-600600-50800-00500-5730, approximately 3.7 km upstream from the confluence with Gosnell Creek. The barrier is a 4-m-high falls, and two additional cascades are noted within 50 m upstream of the falls. The first is a 2-m-high by 3-m-long cascade and the second is a 2.5-m-high by 3-m-long cascade. Extensive sampling throughout the drainage above the barriers has confirmed the presence of DV and RB, however, BT were not captured or observed (David Bustard and Associates Ltd. 1999). Records of BT in provincial databases are expected to be mis-identified DV.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
UN43-10	Unnamed tributary (Gosnell Creek)	586+784	582037	6003725	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	2.27	S3	DV, RB	No window	December 1 to March 31	August 15 to 31	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	The channel width was updated based on the September 2020 field visit and fish presence was updated based on additional literature review. There is a documented barrier downstream on tributary WSC-460-600600-50800-00500-5730, approximately 3.7 km upstream from the confluence with Gosnell Creek. The barrier is a 4-m-high falls, and two additional cascades are noted within 50 m upstream of the falls. The first is a 2-m-high by 3-m-long cascade and the second is a 2.5-m-high by 3-m-long cascade. Extensive sampling throughout the drainage above the barriers has confirmed the presence of DV and RB, however, BT were not captured or observed (David Bustard and Associates Ltd. 1999). Records of BT in provincial databases are expected to be mis-identified DV.
UN23-48	Unnamed tributary (Clare River)	594+810	576929	5999520	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	-	Non-classified drainage (NCD) (previously S4)	None	N/A	N/A	N/A	Manage cross right-of-way drainage	N/A	Manage cross right-of-way drainage	N/A	No	The stream class was changed to NCD based on observations during the November 2020 field visit.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
671	Unnamed Tributary (Kitimat River)	621+506	557865	5988187	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	9.31	S2	Chinook Salmon (CH), Chum Salmon (CM), Coho Salmon (CO), Cutthroat Trout (CT), DV, RB, Steelhead (ST)	No window	July 15 to August 15 and December 1 to March 1	Jun 30 to August 26	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	Potential spawning habitat was observed within the construction footprint during August 2020 field work. Project mitigation was updated to reflect this change. The QEP windows avoid potential fish migration periods, and the winter QEP window is dependent on the successful implementation of spawning deterrents prior to fall spawning season.
699	Unnamed tributary (Hirsch Creek)	633+971	547757	5991942	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.90	S3	DV, RB	No window	January 1 to December 31	September 17 to October 2	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
701.3T	Unnamed tributary (Hirsch Creek)	635+020	546855	5992437	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.12	S4	DV, RB	No window	January 1 to December 31	September 19 to October 2	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
701.4T	Unnamed tributary (Hirsch Creek)	635+072	546809	5992460	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	4.61	S3	DV, RB	No window	January 1 to December 31	September 22 to October 20	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
703	Unnamed tributary (Hirsch Creek)	635+632	546314	5992688	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	3.08	S3	DV, RB	No window	January 1 to December 31	September 17 to October 21	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
703.1F	Unnamed tributary (Hirsch Creek)	635+748	546200	5992702	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.66	S3	DV, RB	No window	January 1 to December 31	September 17 to October 1	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

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Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
57C2A	Unnamed tributary (Hirsch Creek)	637+489	544519	5992883	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	21.13	S1B	DV, RB	No window	July 15 to August 15, and November 15 to March 1	February 18 to March 23	Isolate if flowing, open cut if dry or frozen	Site-specific design	Clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods for any proximal spawning habitat.
UN11-94	Unnamed tributary (Hirsch Creek)	640+254	542492	5991383	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.77	S3	DV, RB	No window	January 1 to December 31	August 6 to October 5	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
S1010.a	Unnamed tributary (Hirsch Creek)	640+336	542448	5991341	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.34	S6 (previously S4)	None	N/A	N/A	August 6 to October 5	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, closed bottom structure, clear span bridge, logfill, ice bridge, or snowfill	Typical	No	The stream class was changed to S6 based on the observation of a steep gradient during the November 2020 field visit.

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Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
714	Unnamed tributary (Hirsch Creek)	640+394	542280	5991332	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint, cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	34.60	S1B	DV, RB	No window	July 15 to August 15, and November 15 to March 1	January 15 to February 28	Isolate if flowing, open cut if dry or frozen	Site-specific Design	Clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods.
S1007	Unnamed tributary (Hirsch Creek)	646+898	536433	5992025	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	3.06	S3 (previously S2)	DV, RB	No window	January 1 to December 31	December 8 to February 3	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, closed bottom structure, clear span bridge, ice bridge, or snowfill	Typical	No	The stream class was changed to S3 based on September 2020 fieldwork. This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

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Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
718	Unnamed tributary (Hirsch Creek)	646+913	536421	5992037	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint, cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species-spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	8.93	S2	DV, RB	No window	July 15 to August 15, and November 15 to March 1	December 8 to February 3	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods.
719	Unnamed tributary (Hirsch Creek)	647+298	536102	5992241	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	4.73	S3	DV, RB	No window	January 1 to December 31	February 4 to March 9	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
S1020	Unnamed tributary (Hirsch Creek)	647+321	536080	5992250	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	6.35	S2	DV, RB	No window	January 1 to December 31	February 4 to 13	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

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Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
UN11-117	Unnamed tributary (Hirsch Creek)	647+331	536072	5992257	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	9.00	S2 (previously S3)	DV, RB	No window	July 15 to August 15 and November 15 to March 1	February 4 to 13	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. Stream class was revised based on additional desktop review of field data.
S1019	Unnamed tributary (Hirsch Creek)	647+345	536058	5992261	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	5.00	S2	DV, RB	No window	January 1 to December 31	February 4 to 13	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
S1075	Unnamed tributary (Hirsch Creek)	647+447	535967	5992307	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.14	S4	DV, RB	No window	January 1 to December 31	November 1 to January 31	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, closed bottom structure, clear span bridge, ice bridge, or snowfill	Typical	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

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Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
S1013	Unnamed tributary (Hirsch Creek)	647+555	535882	5992368	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.60	S3	DV, RB	No window	January 1 to December 31	February 11 to 26	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, closed bottom structure, clear span bridge, ice bridge, or snowfill	Typical	Yes	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
28D	Unnamed tributary (Hirsch Creek)	647+946	535641	5992664	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	11.66	S2	DV, RB	No window	January 1 to December 31	January 4 to 15	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	Yes	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
720	Unnamed tributary (Hirsch Creek)	648+733	535230	5993231	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	5.07	S2	DV, RB	No window	January 1 to December 31	January 4 to February 28	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
721	Unnamed tributary (Hirsch Creek)	648+973	535041	5993376	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.13	S4	DV, RB	No window	January 1 to December 31	July 14 to August 4	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
723F	Unnamed tributary (Hirsch Creek)	650+527	533769	5993831	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	2.23	S3	DV, RB	No window	January 1 to December 31	June 12 to 25	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, closed bottom structure, clear span bridge, ice bridge, or snowfill	Typical	Yes	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
725	Hirsch Creek (side channel)	650+723	533587	5993758	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	20.30	S1B	DV, RB	No window	July 15 to August 15, and November 15 to March 1	February 5 to 19	Isolate if flowing, open cut if dry or frozen	Typical	Clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods for any proximal spawning habitat.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
182C	Hirsch Creek	650+912	533412	5993688	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	56.43	S1B	DV, RB	No window	July 15 to August 15, and November 15 to March 1	January 15 to February 28	Isolate or diversion if flowing, open cut if dry or frozen	Site-specific design	Move around - no vehicle crossing at pipeline crossing	N/A	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods for any proximal spawning habitat.
1N201	Unnamed tributary (Hirsch Creek)	651+481	532949	5993394	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.28	S4	DV, RB	No window	January 1 to December 31	October 30 to November 23	Isolate if flowing, open cut if dry or frozen	N/A	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
727	Unnamed tributary (Hirsch Creek)	652+960	531605	5992838	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	19.97	S2	DV, RB	No window	July 15 to August 15, and November 15 to March 1	February 1 to 28	Isolate if flowing, open cut if dry or frozen	Site-specific design	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods for any proximal spawning habitat.
728	Unnamed tributary (Hirsch Creek)	653+330	531246	5992767	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	2.94	S3	DV, RB	No window	July 15 to August 15, and November 15 to March 1	November 17 to December 7	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods for any proximal spawning habitat.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
728.3T	Unnamed tributary (Hirsch Creek)	655+030	530071	5991666	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint, cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species-spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	3.12	S3	DV, RB	No window	July 15 to August 15, and November 15 to March 1	February 1 to 28	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods.
731	Unnamed tributary (Hirsch Creek)	656+929	528637	5990543	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	2.10	S3	DV, RB	No window	January 1 to December 31	July 20 to August 24	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
6E	Unnamed tributary (Pine Creek)	659+385	526448	5989897	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.93	S3	CT	September 1 to 30	January 1 to December 31	July 3 to August 7	Isolate if flowing, open cut if dry or frozen	Typical	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	Fish presence and LRW were updated based on desktop review.

Table 2. Stream Crossings List (Addendum 6) – Ditchline

Site Identifier ^a	Site Name ^b	Kilometre Post (KP)	Universal Traverse Mercator (UTM) Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (metres [m])	Stream Classification ^d	Fish Presence ^e	Least Risk Window (LRW)	Qualified Environmental Professional (QEP) Window ^f	Approximate Pipeline Construction Timing	Pipeline Crossing Method	Pipeline Crossing Drawing Type	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
S1073	Unnamed Tributary (Kitimat River)	666+562	521264	5987350	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	5.00	S2	Coastal Cutthroat Trout, CH, CM, CO, DV, Eulachon, Kokanee Salmon, Pink Salmon, RB, Sockeye Salmon, ST	No window	July 15 to August 15 and December 1 to March 1	September 2 to 17	Trenchless; open cut contingency	Site-Specific Design	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	Construction method was changed to trenchless and spawning deterrents were removed from the project mitigation to reflect the change to trenchless construction methods. However, spawning deterrents were installed and removed from the site in 2020 based on previously proposed trenched construction method.

^a Sites were assessed using the Route G Construction Footprint.

^b Streams are located in the Skeena Region.

^c UTM Zone 9.

^d If a pipeline or vehicle crossing installation is required at an S6 stream that has not been listed in permit applications filed with the BC OGC, Coastal GasLink will:

- Confirm the stream classification with a fish and fish habitat resource specialist prior to crossing activities
- Apply appropriate mitigation and crossing methods for S6 streams, per the EMP (Coastal GasLink 2018) and the crossing methods identified in this table
- Maintain downstream water quality if surface water is present, verify that drainage paths are maintained, reduce the disturbance footprint, and use winter (that is, frozen ground) construction (if practical)
- Add the stream crossings to the Master Watercourse Crossing List and the postconstruction plans for as-built record keeping

^e Fish species that have the potential to be present, based on McPhail (2007), David Bustard and Associates Ltd. (1999), connectivity, habitat conditions, and queries from *Fish Inventories Data Queries* (Government of British Columbia 2020a), and *Habitat Wizard* (Government of British Columbia 2020b).

^f See Section 3 for more information on the QEP timing windows to meet Condition 60(b) of the Pipeline Permit.

Table 3. Stream Crossings List (Addendum 6) – Shoo-flies

Site Identifier ^a	Site Name ^b	KP	UTM Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (m)	Stream Classification ^d	Fish Presence ^e	LRW	QEP Window ^f	Vehicle Crossing Method (Frozen and Non-frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
<i>Streams with Updated Information</i>														
718A	Unnamed tributary (Hirsch Creek)	646+888	536414	5991993	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint, cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species-spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	8.93	S2	DV, RB	No window	July 15 to August 15. and November 15 to March 1	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods.
Br213	Unnamed tributary (Hirsch Creek)	654+835	530007	5991954	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint, cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species-spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	2.90	S3	DV, RB	No window	July 15 to August 15. and November 15 to March 1	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods.

^a Sites were assessed using the Route G Construction Footprint.

^b Streams are located in the Skeena Region.

^c UTM Zone 9.

^d If a vehicle crossing installation is required at an S6 stream that has not been listed in permit applications filed with the BC OGC, Coastal GasLink will:

- Confirm the stream classification with a fish and fish habitat resource specialist prior to crossing activities
- Apply appropriate mitigation and crossing methods for S6 streams, per the EMP and the crossing methods identified in this table
- Maintain downstream water quality if surface water is present, verify that drainage paths are maintained, reduce the disturbance footprint, and use winter (that is, frozen ground) construction (if practical)
- Add the stream crossings to the Master Watercourse Crossing List and the postconstruction plans for as-built record keeping

^e Fish species that have the potential to be present, based on McPhail (2007), connectivity, habitat conditions, and queries from *Fish Inventories Data Queries* (Government of British Columbia 2020a) and *Habitat Wizard* (Government of British Columbia 2020b).

^f See Section 3 for more information on the QEP timing windows to meet Condition 60(b) of the Pipeline Permit.

Table 4. Stream Crossings List (Addendum 6) – Right-of-Way (Workspace and Buffer)

Site Identifier ^a	Site Name ^b	KP	UTM Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (m)	Stream Classification ^d	Fish Presence ^e	LRW	QEP Window ^f	Vehicle Crossing Method (Frozen and Non-Frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
Streams with Updated Information														
UN11-63.01	Unnamed tributary (Hirsch Creek)	638+346	543718	5992765	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	0.87	S4	DV, RB	No window	January 1 to December 31	Open bottom structure, closed bottom structure, clear span bridge, ice bridge, or snowfill	Typical	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
8677	Unnamed tributary (Hirsch Creek)	640+307	542420	5991374	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	2.07	S3 (previously S6)	DV, RB	No window	July 15 to August 15	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	The stream class was changed to S3 based on fish observations during the November 2020 field visit.
8676	Unnamed tributary (Hirsch Creek)	640+346	542383	5991408	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	0.91	S4 (previously S6)	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	The stream class was changed to S4 based on fish observations during the November 2020 field visit.
S1010.b	Unnamed tributary (Hirsch Creek)	640+350	542379	5991376	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.1	S4	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
S1010	Unnamed tributary (Hirsch Creek)	640+383	542347	5991368	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.90	S3	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
S1011	Unnamed tributary (Hirsch Creek)	640+390	542338	5991345	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.49	S4	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
UN11-121	Unnamed tributary (Hirsch Creek)	647+474	535936	5992304	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	3.35	S3	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	Yes	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

Table 4. Stream Crossings List (Addendum 6) – Right-of-Way (Workspace and Buffer)

Site Identifier ^a	Site Name ^b	KP	UTM Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (m)	Stream Classification ^d	Fish Presence ^e	LRW	QEP Window ^f	Vehicle Crossing Method (Frozen and Non-Frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
S1012	Unnamed tributary (Hirsch Creek)	647+627	535800	5992390	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.00	S4	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	Yes	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
724	Hirsch Creek (side channel)	650+638	533759	5993675	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018). Within the construction footprint, cover potential spawning habitat prior to construction, if water levels and velocity allow, to prevent fish from spawning in areas potentially affected by Project construction. Install spawning deterrents in advance of the species-spawning timing and remove them following construction. For use in spring, the feasibility of using spawning deterrents to prevent fish spawning in areas affected by Project construction will be assessed.	9.18	S2	DV, RB	No window	July 15 to August 15, and November 15 to March 1	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB. The start of the first QEP window was changed to mid-July to avoid the expected RB migration, spawning, and emergence periods.
S1009	Unnamed tributary (Hirsch Creek)	650+673	533592	5993881	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	7.20	S2	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
SF-229.01	Unnamed tributary (Hirsch Creek)	654+212	530360	5992387	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.25	S4	DV, RB	No window	January 1 to December 31	N/A	N/A	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.
1N099	Unnamed tributary (Hirsch Creek)	656+921	528652	5990534	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.68	S3	DV, RB	No window	January 1 to December 31	Open bottom structure, clear span bridge, engineered bridge, ice bridge, or snowfill	Typical (design if engineered bridge)	No	This site is above obstacles to migration of anadromous species on lower Hirsch Creek (that is, a canyon with falls, cascades, and high-velocity sections). DV are well-documented in this watershed above these obstacles, and RB were observed during fall 2020 snorkel surveys. The LRW was updated to no window due to the observation of RB.

Table 4. Stream Crossings List (Addendum 6) – Right-of-Way (Workspace and Buffer)

Site Identifier ^a	Site Name ^b	KP	UTM Easting ^c	UTM Northing ^c	Project Mitigation	Average Channel Width (m)	Stream Classification ^d	Fish Presence ^e	LRW	QEP Window ^f	Vehicle Crossing Method (Frozen and Non-Frozen Conditions)	Vehicle Crossing Method Drawing Type	Beaver Dam	Comments
8113	Unnamed tributary (Pine Creek)	658+929	526811	5990182	Implement applicable measures identified in Sections 6, 7, and 8 of the EMP (Coastal GasLink 2018).	1.65	S3	CT	September 1 to 30	January 1 to December 31	Open bottom structure, closed bottom structure, clear span bridge, ice bridge, or snowfill	Typical	No	Fish presence and LRW were updated based on desktop review.

^a Sites were assessed using the Route G Construction Footprint.

^b Streams are located in the Skeena Region.

^c UTM Zone 9.

^d If a vehicle crossing installation is required at an S6 stream that has not been listed in permit applications filed with the BC OGC, Coastal GasLink will:

- Confirm the stream classification with a fish and fish habitat resource specialist prior to crossing activities
- Apply appropriate mitigation and crossing methods for S6 streams, per the EMP and the crossing methods identified in this table
- Maintain downstream water quality if surface water is present, verify that drainage paths are maintained, reduce the disturbance footprint, and use winter (that is, frozen ground) construction (if practical)
- Add the stream crossings to the Master Watercourse Crossing List and the postconstruction plans for as-built record keeping

^e Fish species that have the potential to be present, based on McPhail (2007), connectivity, habitat conditions, and queries from *Fish Inventories Data Queries* (Government of British Columbia 2020a) and *Habitat Wizard* (Government of British Columbia 2020b).

^f See Section 3 for more information on the QEP timing windows to meet Condition 60(b) of the Pipeline Permit.

3. Qualified Environmental Professional Timing Windows and Additional Mitigation

3.1 Overview

Several factors were considered when determining QEP alternative timing windows and associated mitigation recommended by a Qualified Professional (QP) (Permit Condition 60b) for BC OGC Construction Section 8, including:

- Provincial LRWs for the Skeena Region
- Proposed construction activities
- Fish presence and habitat potential near the stream crossing

Site-specific mitigation, recommended by a QP, is provided in addition to the standard measures identified in the EMP (Coastal GasLink 2018).

3.2 Qualified Environmental Professional Timing Windows

Fish stream crossings were assigned a provincial LRW for the Skeena Region based on expected species presence (British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development 2018). Expected species presence was based on information from previous fish sampling and fish habitat suitability assessments, *Fish Inventories Data Queries* (Government of British Columbia 2020a), *Habitat Wizard* (Government of British Columbia 2020b), and species distribution information (David Bustard and Associates Ltd. 1999, McPhail 2007). Field study results and desktop review were used to develop and recommend alternative, site-specific reduced risk timing windows termed as QEP timing windows.

3.2.1 No Timing Restrictions (Open Qualified Environmental Professional Timing Windows)

The QP recommended no timing restrictions where there was an absence of suitable spawning habitat within the construction footprint and low potential for migration to upstream locations. These streams were generally small, had poor or nil habitat potential, were located high in the upper watershed, or had drop structures or other impediments to fish migration. Implementation of the applicable mitigation described in the EMP is anticipated to avoid negative effects to fish and fish habitat at these stream crossings. In this addendum, 31 sites have QEP timing windows for instream work that are open all year from January 1 to December 31.

3.2.2 Qualified Environmental Professional Timing Windows to Avoid Potential Fish Migration Periods

QEP timing windows that avoid potential fish migration periods are provided based on a literature review (McPhail 2007), previous inventory information, and the potential presence of spring or fall spawners, or both. In this addendum, there are eight sites (that is, Sites UN11-117, 595, 1F, 57C2A, 725, 182C, 727, and 728) where no spawning habitat potential was documented within the construction footprint; however, spawning migrations may occur. Two QEP timing windows were recommended for these sites, with the first window from July 15 to August 15, and the second from either November 15 to March 1 or December 1 to March 31. These windows are intended to avoid impeding fish passage with instream work. Implementing the applicable mitigation in the EMP and adhering to the recommended QEP timing windows are expected to avoid negative effects to fish and fish habitat at these stream crossings.

3.2.2.1 Instream Work Outside Qualified Environmental Professional Timing Windows

Additional mitigation is recommended where instream construction occurs outside of the QEP timing windows and during a period of potential fish migration. If the stream channel is obstructed (for example, for an isolated, trenched crossing installation), an Aquatic Biologist will monitor for fish congregations upstream and downstream of the isolation dams. If fish congregations are observed, the Aquatic Biologist will transport fish around the isolated area so that fish migration is not impeded.

Capture methods used to facilitate migration may include backpack electrofishing, minnow traps, seine netting, dip-netting, or a combination of these techniques. Backpack electrofishing will only be used after other sampling methods are exhausted in order to reduce potential harm to fish during sensitive time periods. Fish will be handled and transported in an appropriate manner to reduce the risk of injuries or casualties. Transportation efforts will continue until fish congregations are no longer observed or until fish migration is no longer impeded, as determined by the Aquatic Biologist.

3.3 Spawning Deterrents

At some stream crossings, potential spawning habitat was documented within the construction footprint. Where feasible and practical, Coastal GasLink will potentially shift the alignment of the construction footprint and construct within the LRW or QEP windows, to avoid negative effects to potential spawning habitat. However, this may not be feasible because of flow regime, terrain, and construction and permitting limitations. The use of spawning deterrents as a mitigation measure could help to avoid potential negative impacts to spawning fish, redds, and incubating eggs, and has been used on other projects (for example, the Trans Mountain Pipeline Project). Where approved for use, spawning deterrents would be installed and secured on the streambed within the construction footprint, prior to the start of the spawning period for a given species and before the start of construction. Spawning deterrents would be removed at the end of the spawning period, or at the time of construction. Spawning deterrent installation, inspections, maintenance, and removal would be completed by, or under the direction of, a QP.

In this addendum, there are eight sites where potential spawning habitat was identified within, or immediately adjacent to, the construction footprint (that is, Sites 671, S1073, 8677, 598, UN43-10, 714, 718, and 728.3T). Potential spawning habitat was also documented within the study reaches of Sites 718A, 724, and Br213. Additional surveys may be required at Sites 718A, 724, and Br213 to document if the spawning habitat is located within the construction footprint, if any instream work was planned. Spawning deterrents could be used at these locations, should any instream work be proposed during the spawning and incubation period, and pending installation feasibility (for example, depth and flow considerations during freshet). The stream crossing construction method at Site S1073 has been revised to a trenchless method, so spawning deterrents are no longer included as mitigation. However, spawning deterrents were installed and removed in late summer and fall 2020 based on the previously proposed trenched construction method.

In locations where potential spawning habitat was documented and construction may occur during the spawning or incubation period, additional spawning surveys have been conducted prior to construction to provide a better understanding of fish use, least risk work timing, and spatial context. Deterrents will be proposed where alternate spawning locations exist for redd-building species outside of the construction footprint and where the deterrent mats can be physically installed, considering water depth and flow. Spawning deterrents have not been recommended for Site 8677 because alternate spawning habitat was not identified outside the construction footprint.

4. References

British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development. 2018. *Terms and Conditions for Water Sustainability Act Changes in and about a Stream as specified by Ministry of Forests, Lands, Natural Resource Operations, and Rural Development (FLNRORD) Habitat Officers, Skeena Region*. Accessed October 2019. https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/working-around-water/terms_conditions_skeena.pdf.

Coastal GasLink Pipeline Ltd. 2018. *Coastal GasLink Pipeline Project – Environmental Management Plan*. Revision 4. December 14.

David Bustard and Associates Ltd. 1999. Volume 1. *1998 Stream Inventory Report, Gosnell Creek Watershed*. Watershed Code: 460-600600-50800-00500. Prepared for Northwood Inc. Final. March.

Fisheries and Oceans Canada. 2019. *Fish and Fish Habitat Protection Policy Statement, August 2019*. Accessed October 2019. <http://www.dfo-mpo.gc.ca/pnw-ppe/policy-politique-eng.html>.

Government of British Columbia. 2020a. *Fish Inventories Data Queries (FIDQ)*. Accessed March 2020. <http://a100.gov.bc.ca/pub/fig/welcome.do>.

Government of British Columbia. 2020b. *HabitatWizard*. Accessed March 2020. <https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/ecosystems/habitatwizard>.

McPhail, J. D. 2007. *The Freshwater Fishes of British Columbia*. 1st Edition. Edmonton, Alberta: University of Alberta Press. pp. 620.

Keough, Dana

From: Phillips, Lori L
Sent: Wednesday, January 27, 2021 3:18 PM
To: Friedrich, Hardy
Subject: CGL info
Attachments: Coastal GasLink Construction Update - January 2021.pdf

Hi, the second page has a good summary of construction status. I imagine this is a standing feature and this is posted publicly. We could use this to update the myOGC pages?

Keough, Dana

From: Stark, Ryan
Sent: Tuesday, January 26, 2021 1:49 PM
To: Thoroughgood, Garth; Smook, Patrick; Zimmer, Dean E; Phillips, Lori L; Anderson, Justin; s19 Thomas, Sarah; O'Flaherty, Sandy; Swan, Ian; Nielsen, Angela C; Friedrich, Hardy; Chawrun, Marc
Subject: FW: Coastal GasLink Construction Update – January 2021
Attachments: Coastal GasLink Construction Update - January 2021.pdf

Good afternoon,

Sharing - CGL just shared with me a copy of their latest construction update now publically available on their website.

Enjoy.

Ryan



Ryan Stark
Manager, Decision Support
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From: Sarah Dickie <sarah_dickie@tcenergy.com>
Sent: Tuesday, January 26, 2021 1:43 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>
Cc: Jill Salus <jill_salus@tcenergy.com>
Subject: Coastal GasLink Construction Update – January 2021

Hello Ryan and Ian – our team shared this Construction Update with Nations we work with and the newsletter is publicly available on our website, but I wanted to share with you as well:

The attached January Construction Update reflects both our December 2020 progress as well as current activities and priorities for our project sections and facilities. You can also read, download and share the full update on the Coastal Gaslink website [here](#).

Please do not hesitate to contact me with any questions. Mussi, thank you,

Sarah Dickie
Indigenous Engagement Lead

Coastal GasLink
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Thank you

Construction Update

Coastal GasLink

January 21, 2021

Numbers as available at the end of December 2020 unless otherwise noted

Construction highlights

Maintaining site safety, security and environmental protection

Coastal GasLink concluded 2020 with significant construction milestones achieved and opened 2021 with a focus on finalizing a plan for safe remobilization in accordance with the January 12 B.C. Public Health Officer Order to help limit the spread of COVID-19. With a recently allowed workforce limit of 623 people across the 670km route in January, Coastal GasLink is focused on maintaining the integrity, safety and security of our sites and assets, as well as critical activities to meet regulatory and environmental commitments.

Lodge occupancy rates are significantly reduced in compliance with the January 12 Order, and some lodges have been closed to all but essential staff for security and maintenance. In tandem with our prime contractors, the project anticipates an incremental increase to our workforce for February, subject to approval by the Public Health Officer and relevant health authorities.

The January Construction Update reflects both our December 2020 progress as well as current activities and priorities for our project sections and facilities.

The long-term impacts to the overall schedule continue to be assessed. We will share updates and developments with our Indigenous and community partners, investors and business partners and our regulators.

Coastal GasLink is vital to the long-term prosperity of the North, B.C. and Canada, and we are proud to be part of a healthy economic recovery that supports local communities for the long-term including prioritizing the health and safety of our workers, their families and local communities.

Visit CoastalGasLink.com for more information or to sign up for updates.

Performance at a glance:



40.7%
Overall progress*

*Includes all engineering, procurement and construction activities



25.4%
Construction progress

Under Construction

- ◆ Coastal GasLink Metering Facility
- ▲ Coastal GasLink Compression & Metering Facility

Potential Future Facilities

- ▲ Coastal GasLink Compression Facilities (TBD)
- LNG Canada Facility (3rd party)



January 2021 current occupancy and critical activities/priorities*



261

Total workforce lodge occupancy as of January 17

*Subject to change

With our reduced workforce, critical activities to meet permit conditions and protect the environment, include:

- Site and environmental monitoring
- Permitted operational activities
- Erosion and sediment control
- Maintaining site security

Other activities include ongoing pipe deliveries and receipt, winterization of sites that will see a temporary suspension of activities, including active construction sites and workforce lodge operations.

Section 1

Workforce Lodge occupancy as of January 17: 10

- Murray River horizontal directional drilling (HDD)
- Erosion and sediment control (ESC) and environmental monitoring
- Asset protection

Section 2

Workforce Lodge occupancy as of January 17: 40

- ESC and environmental monitoring
- Pipe receiving
- Asset protection

Section 3

Workforce Lodge occupancy as of January 17: 44

- ESC and environmental monitoring
- Asset protection and security
- Parsnip Lodge base operations and maintenance

Section 4

Workforce Lodge occupancy as of January 17: 32

- ESC and environmental monitoring
- Asset protection and security
- Vanderhoof Lodge base operations and maintenance

Section 5

Workforce Lodge occupancy as of January 17: 4

- Immediate civil work required to support ESC and associated environmental monitoring work
- Equipment hauling back to central yards
- Road maintenance/winterization
- Site security and asset protection

Section 6

Workforce Lodge occupancy as of January 17: 49

- Immediate civil work required to support ESC and associated environmental monitoring work
- Equipment hauling back to central yards
- Site security and asset protection
- Road maintenance/winterization

Section 7

Workforce Lodge occupancy as of January 17: 24

- Immediate civil work required to support ESC and associated environmental monitoring work
- Pipe receiving
- Road maintenance/winterization
- Site security and asset protection

Section 8

Workforce Lodge occupancy as of January 17: 58

- Avalanche control
- Maintenance at Hunter Creek while lodge shut down
- 9A Lodge operation and maintenance
- ESC and environmental monitoring
- Site security and asset protection
- Road maintenance/winterization

Facilities: Wilde Lake Compressor Station and Kitimat Meter Station

- ESC and environmental monitoring
- Site security
- Critical equipment receipt and offload for Wilde Lake

December 2020 progress

3,677 workers across the project route in Dec. 2020 prior to holiday break

Section 1



85% cleared, includes project route and ancillary sites



85% of grading completed



67% of pipeline installation activities from stringing and welding, through to backfilling



111 workers at Sanataa Lodge prior to holiday break

Key activities

- Construction included access, clearing, grubbing, grading, stringing, bending, welding, coating, trenching, lowering in and backfilling
- Completed driving casing and pilot hole for Murray River horizontal directional drilling (HDD)
- Installed entry side casing and operational sound barriers for Sukunka River HDD

Wilde Lake Compressor Station

Key activities:

- Completed concrete foundation block pour for last of the three compressor units
- Received turbines and compressor equipment
- Installed air-cooled heat exchanger bundle tubes for all three compressor units

Section 2



96% cleared, includes project route and ancillary sites



10% of grading completed



1.4% of pipeline installation activities from stringing and welding, through to backfilling



456 workers at Sukunka Lodge prior to holiday break

Key activities:

- Construction included access, clearing and grubbing
- Completed civil works at 2B site for Mt. Merrick Lodge

Section 3



94% cleared, includes project route and ancillary sites



27% of grading completed



8.9% of pipeline installation activities from stringing and welding, through to backfilling



477 workers at Parsnip Lodge prior to holiday break

Key activities:

- Construction included clearing, grubbing, grading, stringing, welding and coating
- Completed heli-logging and machine clearing for KP 140 to 172

Section 4



100% cleared, includes project route and ancillary sites



100% of grading completed



90% of pipeline installation activities from stringing and welding, through to backfilling



544 workers at Vanderhoof Lodge prior to holiday break

Key activities:

- Construction included grading, stringing, bending, welding, coating, trenching, lowering in and backfill, and began cleanup work
- Began sheet pile installation at the Stuart River direct pipe installation (DPI)

Section 5



100% cleared, includes project route and ancillary sites



35% of grading completed



5.3% of pipeline installation activities from stringing and welding, through to backfilling



224 workers at Little Rock Lake Lodge prior to holiday break

Key activities

- Access, grubbing, grading, stringing and bending based on ground conditions
-

Section 6



99% cleared, includes project route and ancillary sites



55% of grading completed



16% of pipeline installation activities from stringing and welding, through to backfilling



565 workers at 7 Mile Lodge prior to holiday break

Key activities:

- Bending, welding, coating, trenching, lowering-in and backfill
 - Advanced crossing installations
 - Continued erosion and sediment control monitoring
 - Continued pipeline construction corridor grubbing and grading
-

Section 7



42% cleared, includes project route and ancillary sites



0% of grading completed



0% of pipeline installation activities from stringing and welding, through to backfilling



208 workers at Huckleberry Lodge prior to holiday break

Key activities:

- Civil and access works at Huckleberry Lodge
 - Pipe receipt and counterboring at Houston storage site
 - Completed geotechnical and geophysical investigation work to support design development
 - Section clearing
-

Section 8



74% cleared, includes project route and ancillary sites



39% of grading completed



5% of pipeline installation activities from stringing and welding, through to backfilling



537 workers at Sitka Lodge, Hunter Creek Lodge and 9A Lodge prior to holiday break

Key activities:

- Continued clearing, grading, blasting, stringing, welding, crossing installation, access and general maintenance
 - Cable Crane Hill construction continued
 - Telecom installation at 9A Lodge, ongoing construction at P2 Lodge
 - Erosion and sediment control
-

Note: Kitimat Meter Station construction activities are planned to recommence at a later date.



Photo of the month

Thanks to the combined efforts of our team members and our prime contractor, SA Energy, plus funds matched by **TC Energy's** Empower program, we were able to donate \$14,000 to the Child Development Centre of Prince George and District. Learn more about the Empower program and how we're giving back to local communities by visiting **CoastalGasLink.com**. Together, we're building stronger communities.



About Coastal GasLink's Construction Updates

Our construction updates include information on recent progress, activities that we expect over the next month and detailed section maps that help communicate where project infrastructure is located and where activities are happening.

Check us out!

Find information, such as Construction Updates and an interactive map, on **CoastalGasLink.com**.

Keep in touch and learn more

We want to make sure you have access to the information you need about the project. Here are the many ways you can reach out and learn more:



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coastalgaslink@tcenergy.com



Follow us on Twitter:
@CoastalGasLink



Visit our community office:
Prince George
760 Kinsmen Place

Coastal GasLink



Keough, Dana

From: Thomas, Sarah
Sent: Thursday, January 7, 2021 11:19 AM
To: Anderson, Justin
Subject: RE: CGL Leave Request- Section 8 Condition 39

Hi Justin –

s22

I am finally working on this since

2 questions:

- Have any goats been spotted during works?
- Tracy missed one leave request - Nov 2, 2020 we issued a Leave for UWR U-6-001 at KP647.966 to 648.516 – what's happening there?

PS – your table made so much sense and I have an awesome response once these two questions have been answered. I am leaving out U-6-003 S16 s22

THANK YOU

Sarah



Sarah Thomas
First Nations Liaison Officer
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From: Anderson, Justin <Justin.Anderson@bcogc.ca>
Sent: Tuesday, December 22, 2020 7:04 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Subject: FW: CGL Leave Request- Section 8 Condition 39



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Monday, December 21, 2020 6:35 PM
To: Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: RE: CGL Leave Request- Section 8 Condition 39

Hi Justin,

The 1000 m buffer area of the UWR U-6-001 and U-6-003 overlap with the right of way in several areas where there is challenging terrain. There have been two requests for leave to Condition 39 in 2020 that fall within the traditional territory of Kitselas First Nation. These include:

- Between KP 588+000 and 593+100 (Burnie Gorge area), leave was requested for specific areas where clearing had been unable to progress previously due to challenging terrain as well as additional temporary workspace in areas where it was recognized that more space was needed to be able to conduct construction activities safely – submitted in October 2020
- Between KP 619+000 and 620+700, including shooflies RW-160.3.B and 160.3.C, this is the approach to Icy Pass from the west side and there is challenging terrain throughout this area as well that requires more time to be able to complete clearing activities therefore the leave was requested to allow clearing to proceed between October 31st and June 15th, weather permitting. Area is within the 1000m buffer, not impacting the UWR itself. Leave was submitted in November 2020.
- Between KP 623+400 to 623+550, the eastern side of the Kitimat River lies at the very edge of the 1000m buffer to the UWR (not impacting UWR itself). Riparian areas are typically not cleared until just before the crossing of the watercourse is planned to reduce the potential of erosion. The crossing of the Kitimat River (in this location) is planned to occur in early 2021 during the recommended least risk window for fisheries therefore leave was required to allow clearing to proceed in advance of the planned crossing. Submitted December 2020.

Please let me know if you have any other questions.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile
TCEnergy.com

s22

From: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Sent: Monday, December 21, 2020 8:08 AM
To: Tracy Young <tracy_young@tcenergy.com>
Subject: [EXTERNAL] CGL Leave Request- Section 8 Condition 39

Hi Tracy

We have received a number of comments back from Kitselas First Nation regarding this leave request. They have asked why CGL has submitted so many requests for leave of condition 39 to conduct clearing outside the restricted period.

Would you be able to provide a response that we can share with Kitselas?

Thank you,

Justin



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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Keough, Dana

From: Bourke, Jacqueline
Sent: Thursday, December 10, 2020 3:42 PM
To: Anderson, Justin
Subject: CGL Leave Request - Section 8 - Conditions 21 and 24 - December 2, 2020
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditions 21 and 24 Dec2.docx

Coastal GasLink is requesting leave from conditions 21 and 24 of the section 8 pipeline permit due to identifying areas where additional temporary workspace (ATWS) is required to allow for safe and efficient development of the right of way and watercourse crossings. CGL requires new ATWS totalling approximately 16 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed and, in some cases, within riparian reserve zones. CGL confirms that this additional ATWS would not exceed the permitted limit of new cut on Crown land.

22 areas requiring ATWS have been identified in Table 1 of the request, seven of them being located within riparian reserve zones and, therefore, requiring leave from both condition 21 and 24. CGL states it has developed specific environmental protections measures and mitigation for impacts to riparian areas and that implementing them will avoid or reduce potential residual and cumulative adverse effects to riparian areas. CGL states that the EAC application considered the effects of clearing in riparian areas and, after applying appropriate mitigation, the residual effect is considered to be reversible and of low magnitude. Finally, CGL states that granting this leave will not change the conclusions of the environmental assessment conducted for this project.

Based on the information provided in the attached table, the reasons for each of the ATWS seem valid.

I've attached a draft leave letter for your review and signature.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

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s13

Keough, Dana

From: Phillips, Lori L
Sent: Friday, December 18, 2020 8:44 AM
To: Wilson, Jason; OGC Pipelines, Facilities; Anderson, Justin; Friedrich, Hardy
Subject: FW: Coastal GasLink Section 8 Condition 56 - Kitimat River (Crossing ID #677)
Attachments: CGL4703-CGP-BCOGC-REG-LTR-4406_Kitimat River_677.pdf

Hi all, for review.



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Thursday, December 17, 2020 5:08 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: Coastal GasLink Section 8 Condition 56 - Kitimat River (Crossing ID #677)

Please find attached the site specific plan for watercourse crossing ID #677 Kitimat River as required under Condition 56 of Section 8 Pipeline Permit (AD# 10084230) for satisfaction of the Commission.

Please let me know if you have any questions.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile:

TCEnergy.com

s22

December 17, 2020

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink LLP
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-BCOGC-REG-LTR-4406

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Satisfaction of the Commission – Site-Specific Crossing Plan for Kitimat River
Ref: Pipeline Permit Section 8 (AD# 100084230) – Condition 56**

Coastal GasLink is submitting the Water Course Crossing Method Statement – Upper Kitimat River (KP 623+465) (Crossing Plan) to address the Condition 56 requirement of a site-specific crossing plan for crossing 677 (Kitimat River) to the BC Oil and Gas Commission (OGC) for review, and requests satisfaction of the Commission.

Coastal GasLink engaged with Fisheries and Oceans Canada (DFO) to review the proposed crossing method for this location. DFO has confirmed that the proposed crossing methodology is unlikely to cause the death of fish or to cause harmful alteration, disruption or destruction of fish habitat and provided an Avoid and Mitigate letter. Please see Attachment 1 for the Crossing Plan and Attachment 2 for the Avoid and Mitigate letter.

Should you have any questions regarding this request, do not hesitate to call me at 778.328.5327 or email me at tracy_young@tcenergy.com.

Sincerely



Tracy Young
Senior Regulatory Analyst
Coastal GasLink



Water Course Crossing Method Statement – Upper Kitimat River (KP 623+465)

CGL4703-MSJV-ENV-WI-003

December 14, 2020

Revision A

Issued for Review

Confidential



Revision Log

Rev	Section	Revision Description
A	All	First Issue for Review

TABLE OF CONTENTS

1.0 INTRODUCTION 1

 1.1 Purpose..... 1

 1.2 Scope..... 1

 1.3 Reference Documents 2

 1.4 Abbreviations and Acronyms 3

 1.5 Definitions..... 3

2.0 SITE DESCRIPTION 5

3.0 SITE PREPARATION 6

 3.1 Pumping Requirements..... 6

 3.2 Spill Preparedness 7

 3.3 Erosion and Sediment Control 7

4.0 CROSSING INSTALLATION SEQUENCE..... 8

 4.1 Reinstatement..... 9

 4.2 Manpower 9

 4.3 Equipment..... 10

 4.4 Training and Awareness 11

5.0 MONITORING 12

LIST OF TABLES

Table 1-1 Company Contracts, Standards and Documents2

Table 1-2 Contractor Documents.....2

Table 1-3 Abbreviations and Acronyms3

Table 1-4 Definitions3

Table 4-1 677 Instream and Riparian Reinstatement.....9

LIST OF APPENDICES

Appendix A Site Design

Appendix B ESCD KP 623+465

Appendix C Permanent ESCD KP 623+465

1.0 INTRODUCTION

1.1 PURPOSE

This document describes the environmental requirements for the installation of pipeline crossing of the Upper Kitimat River at KP 623+465 (Stantec ID 677/CGL ID 1884.00).

The in-stream portion of the pipeline crossing will be installed within the QEP Least Risk Window of 15 November – 1 March for Upper Kitimat River (677). The crossing will be a dry open cut using isolation and pump around methodology.

See *Figure 1-1 Location of Pipeline Crossing – Upper Kitimat River* below.



Figure 1-1 Location of Pipeline Crossing – Upper Kitimat River

1.2 SCOPE

The scope of this document is the environmental aspects and potential impacts as well as the mitigation measures associated with preparation of the site, installation of the pipeline crossing, and reinstatement of the watercourses and banks for the warranty period. Any long-term bank stabilization or geotechnical works are not addressed in this document as these are outside Contractor's Scope.

1.3 REFERENCE DOCUMENTS

Table 1-1 Company Contracts, Standards and Documents

Document No	Title
Contract 4600008611	Pipeline Construction – Section 8
TES-CT-BLAST-GL	Pipeline and Construction Blasting Specification (CAN-US-MEX)
TES-CT-GEN-GL	Pipeline Construction Specification (CAN)
20-HPAC-01014	Implementation of Measures to Avoid and Mitigate the Potential for Prohibited Effects to Fish and Fish Habitat
STDS-03-ML-03-101	Typical Ditch, Creek and Minor River Crossing
STDS-03-ML-03-102	Pipeline River Crossings Typical Pipe Burial Details Within Active Stream Channels
STDS-03-ML-03-505	Watercourse Crossing Sign
STDS-03-ML-05-001	Typical Erosion and Sediment Control Measures
STDS-03-ML-05-101	Temporary Clear Span Bridge Crossings (Sht 1 to 3)
STDS-03-ML-05-103	Pipeline Vehicle Crossing - Culvert With Native Fill Material (Sht 1 to 2)
STDS-03-ML-05-104	Temporary Snowfill - Ice Bridge Crossing
STDS-03-ML-05-105	Typical Open Cut Watercourse Crossings (Sht 1 to 2)
STDS-03-ML-05-111	Flume Watercourse Crossings (Sht 1 to 3)
STDS-03-ML-05-112	Dam And Pump Water Course Crossings (Sht 1 to 3)
STDS-03-ML-05-601	Streambank Reclamation - Rootwad
STDS-03-ML-05-602	Streambank Reclamation - Deflectors
STDS-03-ML-05-603	Streambank Reclamation Log Wall
STDS-03-ML-05-604	Streambank Reclamation - Brush Layer In Cross Cut Slope
STDS-03-ML-05-606	Streambank Reclamation Vegetated Geotextile Installation
STDS-03-ML-05-607	Streambank Reclamation - Tree Revetment
STDS-03-ML-05-608	Water crossing Bank Erosion Protection
STDS-02-ML-02-250	Continuous Concrete Coating
STDS-02-ML-02-249	Concrete Swamp Weight
CGL4703-CGP-ENV-PLN-008	Environmental Management Plan
CGL4703-CGP-ENV-PLN-010	Reclamation Plan
CGL4703-CGP-SA-PLN-004	Health and Safety Management Plan
CSA Z662	Oil and Gas Pipeline Systems

Table 1-2 Contractor Documents

Document No	Title
CGL4703-MSJV-ENV-PLN-001	Site-Specific Environmental Management Plan
CGL4703-MSJV-ENV-PLN-002	Environmental Emergency Response Plan
CGL4703-MSJV-ENV-PLN-003	Waste Management Plan
CGL4703-MSJV-ENV-PLN-007	Wetland Management Plan

Document No	Title
CGL4703-MSJV-ENV-PLN-008	Watercourse Crossing Plan
CGL4703-MSJV-ENV-PLN-009	Potential Acid Generating and/or Metal Leaching Rock Management Plan
CGL4703-MSJV-ENV-PLN-016	Soil Protection, Erosion and Sediment Control Management Plan
CGL4703-MSJV-ENV-PLN-017	Pollution Prevention and Spill Contingency Plan
CGL4703-MSJV-ENV-PRO-001	Incident Reporting and Investigation Procedure (Environmental)
CGL4703-MSJV-ENV-WI-001	Method Statement - Refueling and Fuel Storage
CGL4703-MSJV-GT-PLN-001	Geotechnical Management Plan
CGL4703-MSJV-SA-PLN-001	Project Health and Safety Management Plan
CGL4703-MSJV8-CO-PLN-001	Construction Execution Plan (Section 8)
CGL4703-MSJV8-CO-PLN-004	Blasting Plan (Section 8)

1.4 ABBREVIATIONS AND ACRONYMS

Table 1-3 Abbreviations and Acronyms

Abbreviation / Acronym	Definition
BC	British Columbia
CGL	Coastal GasLink Pipeline Limited Partnership
EAS	Environmental Worksheets
EMP	Environmental Management Plan
FLNRO	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
DFO	Department of Fisheries and Oceans Canada
MSJV	Macro Spiecapag Joint Venture
MWCT	Master Watercourse Crossing Table
OS	DFO Operational Statements
RMA	Riparian Management Area
RMZ	Riparian Management Zone
RRZ	Riparian Reserve Zone:

1.5 DEFINITIONS

Table 1-4 Definitions

Term	Definition
Company	Coastal GasLink Pipeline Ltd
Contractor	Macro Spiecapag Coastal GasLink Joint Venture
Project	Coastal Gas Link Pipeline Project (Section 8)
Culvert	A pipe or channel used for carrying water underneath a structure (such as a road or railway track)
Erosion	Process by which the surface of the earth is constantly being worn away. The principal agents are gravity, running water, near-shore waves, ice (mostly glaciers), and wind. Suspended sediment from erosion is one of

	the world's greatest pollutants. Sediment can fill reservoirs and navigable waterways, impair wildlife habitats, increase flooding and water treatment costs, and deplete valuable topsoil. It can also concentrate harmful chemicals and bacteria. Accelerated erosion from removal of trees and vegetation, which diminishes the natural erosion protection, is becoming increasingly common in populated areas.
Project	Sections 8 of the Coastal GasLink Pipeline Project
Riparian	Plant habitats and communities along the river margins and banks.
Riparian Management Area	Area that consists of a riparian management zone and riparian reserve zone.
Riparian Management Zone	Division of the RMA (RMA = RMZ+RRZ)
Riparian Reserve Zone	Division of the RMA (RMA = RMZ+RRZ)
Self-armored	A term describing conditions where past rain fall, snowmelt or flowing water has washed away the smaller particles such as sand and silts from the less exposed surface of existing soils resulting in the remaining larger, less-erodible soil particles (cobble, boulder) covering the surface
Topsoil	The upper, outmost layer of soil with high concentration of organic matter and high bioturbation by micro-organisms, usually the top 10-30cm of surface material

2.0 SITE DESCRIPTION

Dolly Varden and coho salmon (*Oncorhynchus kisutch*) are previously documented in the Upper Kitimat River. Site 677 is 17km upstream of a high-velocity reach, which may limit the distribution of some species, however coastal cutthroat trout (*Oncorhynchus clarkii clarkii*) and rainbow trout are also considered to have potential to be present at Site 677, based on their presence in the watershed.

The habitat within the construction footprint is characterized as riffle habitat containing a high percentage of large-diameter cobble, suboptimal flows and depths, and nominal cover, which are considered to be limiting for spawning, rearing, and wintering of the salmonid species that may be present. The average channel width is 30.1m, with the high-water mark 0.7m above the stream bed, suggesting potential for a large volume of water during high flows.

The modelled mean monthly flow at this crossing of the Upper Kitimat River in February is 2.19m³/s. Contractor is aware that a consultant for Company has collected flow variables and calculated a flow rate of 0.69m³/s at the crossing in February 2020 while Northwest water tool shows flows of 1.34m³/s in January and 1.1m³/sec in February. These values suggest that isolation is feasible; however, the higher modelled value suggests potential for higher winter flows.

3.0 SITE PREPARATION

See Appendix A for site design.

Contractor will request water quality monitoring when construction activities are within 50m of the Upper Kitimat begin. Fish salvage will also be requested with ample time prior to the instream works (minimum of 5 days). Flow measurements will be taken daily for 3-5 days prior to the in-stream work beginning to verify pump sizes.

Due to the trench depth and the size and extent of the excavation at the Upper Kitimat and the need to blast, the 10m riparian buffer zones will be removed.

Trees on the negative bank of the Upper Kitimat will be cleared and removed. Some of the site has already been cleared to prepare for the installation of a bridge across the Upper Kitimat. The remaining site preparation will include tree felling, grubbing, and stripping of the 10m riparian buffer zones on both banks and the full working area, including extra workspace.

The pipe string will be prefabricated and prepared (welded, pre-tested, FJC and continuous concrete coating applied) on the positive side of the crossing prior to starting in-stream works. The banks will be graded down where required for installation of the pipeline crossing.

All equipment will be inspected prior to performing any in-stream work and excavators will use environmentally friendly hydraulic oil. These will be identified by a sticker placed on the equipment.

Topsoil will be stripped from all areas that require grading or storage of excavated material during trenching. Topsoil from the riparian buffer will be stripped and stored separately from other topsoil, with signage. ESC measures will be implemented to prevent erosion loss. Riparian areas that are not to be disturbed will be marked.

Contractor will monitor weather forecast daily and will implement the project Flood and Excessive Flow Contingency plan (Appendix C of the Environmental Management Plan) in the event of bad weather advisories that could result in flooding.

3.1 PUMPING REQUIREMENTS

Pumps will be used for bulk dewatering in the isolated areas and trench in order to facilitate the crossing installation. Contractor plans to have 10 x 10-inch pumps and 8 x 12-inch pumps, inclusive of back up pumps, available for clean water pumping and 4 x 6-inch pumps available for grey water and trench dewatering.

Pumps will be fitted with fish screens per requirements and with energy dissipators on all outlets that go into watercourse channels to prevent substrate scouring and sediment generation.

Turbid water from the trench will be discharged to a stable, well vegetated area off the RoW, in a location where the topography promotes infiltration. The discharge locations will be selected in consultation with the Company EI. A sediment filter bag or similar will be installed on the outlet to prevent ground erosion and initial filtration.

The pumps and hoses will be installed at least two days in advance of the crossing work and prior to commencing trenching activities to ensure the system is ready and operational when required.

3.2 SPILL PREPAREDNESS

Two 700-litre spill kits will be staged, one on the negative side of the crossing and one on the positive side of the crossing. In addition, a river boom will be located down-stream of the crossing, ready for deployment in case of an emergency. Secondary containment trays will also be placed under stationary equipment.

3.3 EROSION AND SEDIMENT CONTROL

Erosion and sediment control measures will be installed as per Appendix B and in line with Project Typical Drawings referenced in *Section 1.3 Reference Documents*. Material for the construction of sediment traps and other erosion control measures will be available onsite before works commence.

4.0 CROSSING INSTALLATION SEQUENCE

The crossing will be installed using one mobile section prefabricated on the flood plain on the negative bank of the crossing.

An upstream isolation structure will be installed first, constructed most likely with sandbags filled with pea gravel or sand. Aqua dam or equivalent will also be available as a dam option, but the preferred option will be sand bags. Pumps will pump water from the upstream side of this dam to downstream of where the final dam will be placed (see below). The Contractor will request passive removal of fish as the downstream flows reduce.

A second dam will be installed downstream of the first but upstream of the crossing. Clean water from this location will be pumped downstream of the work area in order to minimize potential for water in the isolated work area. Pumps will be fitted with fish screens per requirements. Contractor will request fish salvage in the area isolated by these two dams as water levels and flows decrease.

Once the stream bypass is fully functioning and the Contractor has been informed by Company that the fish scare and salvage is complete, the downstream isolation dam will be installed using similar material and methods as the upstream isolation. At this stage, the Company will undertake fish salvage in the isolated work area. Pumps, with fish screens, will be used to pump grey water from the work area to an approved location, agreed with an EI, such as stable, well-vegetated areas, such as stable, well vegetated areas and/or through sediment bags or sediment filtering devices.

It is anticipated that blasting will be required on the negative bank and the trench invert near the bank. Blasting will be performed per *CGL4703-MSJV8-CO-PLN-004 Blasting Plan for Section 8*.

Excavation of the trench for pipe installation will commence once the isolated area is fully dewatered. The first 0.5m of clean, granular, native material will be removed from the trench and stored separately for use during reinstatement. All excavated riverbed material from the trench will be temporarily stored in the footprint of the watercourse wherever possible, or alternatively stored in a location close to the watercourse outside the high watermark.

Once excavation is complete, the pipe string will be lowered in. Backfilling will commence immediately using the same material that was excavated from the trench. The first 0.5m layer of material that was removed prior to trench excavation will be placed as the last layer of backfill in the trench to match the existing riverbed material. The riverbed of the channel will be recontoured and the banks restored prior to removal and reinstatement of the stream isolation system.

Isolation removal will start with removal of the downstream dam in a slow manner to limit potential for erosion and downstream sedimentation as the channel flushes. Water will continue to be pumped downstream to ensure maintenance of flows until at least 50 percent of the upstream isolation has been removed. Dams will be removed in a controlled manner to ensure now downstream scour.

4.1 REINSTATEMENT

Final bank reinstatement/restoration will be performed using rip-rap material placed to line the banks and protect the banks from lateral erosion during high flows prior to consolidation of the recontoured banks slopes.

See *Appendix C* permanent ESCD drawing, which reflects the requirements as stated in the DFO Request for Review as outlined below and the principles of the typical drawings.

Construction of rip rap/gabions will commence immediately following backfill to ensure that the watercourse is protected against erosion events. Where necessary, assisted seeding will take place to promote natural vegetation from the seedbank in the topsoil, once weather is conducive for seed growth.

The reinstatement work on the banks will be completed prior to the end of the Least Risk Window on 1st March 2021.

Table 4-1 677 Instream and Riparian Reinstatement

Restoration Location	Treatment Location
Channel restoration	Construct bed and banks to pre-construction channel morphology, topped with substrate removed from the stream bed prior to construction.
Bank restoration	The banks will be reinstated using rip rap in line with STDS-03-ML-05-608. Willow staking, erosion control, and brush layering may be applied above the rip rap armoured sections.
Riparian restoration	A combination of willow stakes, rooted stock and seeding on top of the banks and in disturbed areas within the RRZ will be applied.

4.2 MANPOWER

The manpower required for the installation of the crossing will include but not be limited to:

- Construction Supervisor
- Safety Officers
- Environmental Advisor
- Environmental Supervisor for Erosion Control and Emergency
- Operator(s) excavator, dozer, sideboom

- Drivers Rock Truck
- Flagman
- Laborers, including night shift to man pumps as required.

4.3 EQUIPMENT

The equipment required for the installation of the pipework is estimated to include, but not be limited to:

- 4 x 30T rock trucks
- 7 x 50T excavators
- 1 x hydraulic hammer (possible)
- 1 x D6 dozer
- 1 x D8 dozer
- 2 x hoe drills (possible)
- 1 x wheeled loader
- 1 x marooka
- 10 x side boom (594 or equivalent)
- Pumps (number and quantity described above)
- Lighting towers
- Generators

All equipment working in the wetted area will use biodegradable hydraulic oil, identifiable by stickers. All equipment will be inspected and clean from excessive grease, dirt and weeds when working in the wetted area. All equipment will also carry individual spill kits.

Light towers or generators staged within 100m of the watercourse will have 110% secondary containment and will be equipped with drip trays. Machinery will be stored away from the watercourse upon completion of the day's activities in accordance with best practice safety and security procedures. All plant and equipment will be inspected as part of the pre-start daily checks for leaks prior to starting work.

Refueling will be undertaken at locations agreed with Company EI's and will comply with *CGL4703-MSJV-ENV-WI-001 Method Statement - Refueling and Fuel Storage*. No fuel will be stored within 100 m of the watercourse.

Vehicles accessing the area will be kept to a minimum.

4.4 TRAINING AND AWARENESS

Prior to starting work, Contractor will do a kick-off meeting where the requirements of this plan are reviewed with the crew (Company representatives welcome), with particular emphasis on:

- Soil Management (storage of excavated materials and segregation)
- Erosion and Sediment Control
- Spill control (inspection of machines and spill kits/ drip trays)
- Dewatering (ensuring materials and equipment is sufficient)
- Protection of Flora and Fauna (reduced activities within the watercourse).
- Cleanliness of equipment and vehicles
- Placement of dams and pumps.

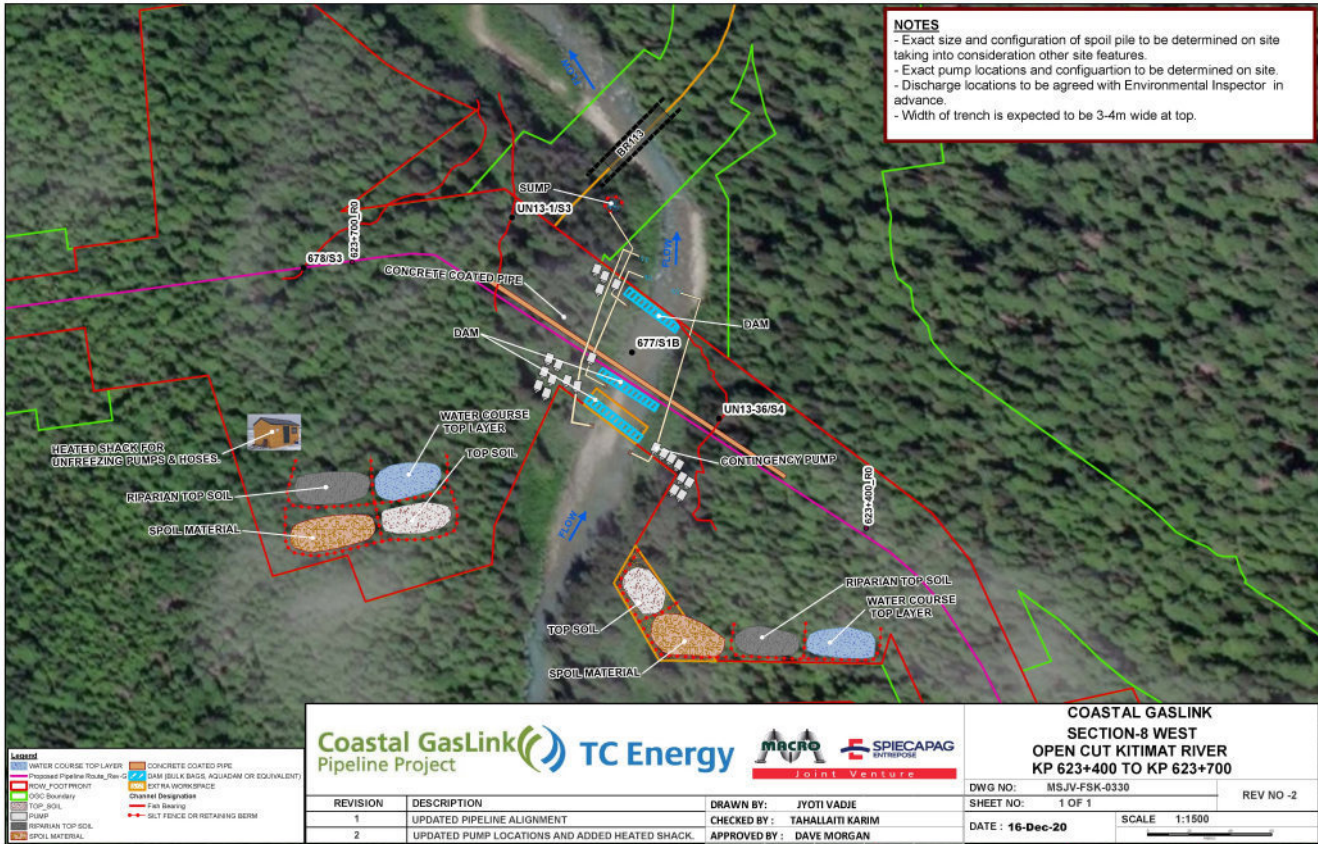
5.0 MONITORING

During construction daily inspections will be undertaken by Contractor EA to check:

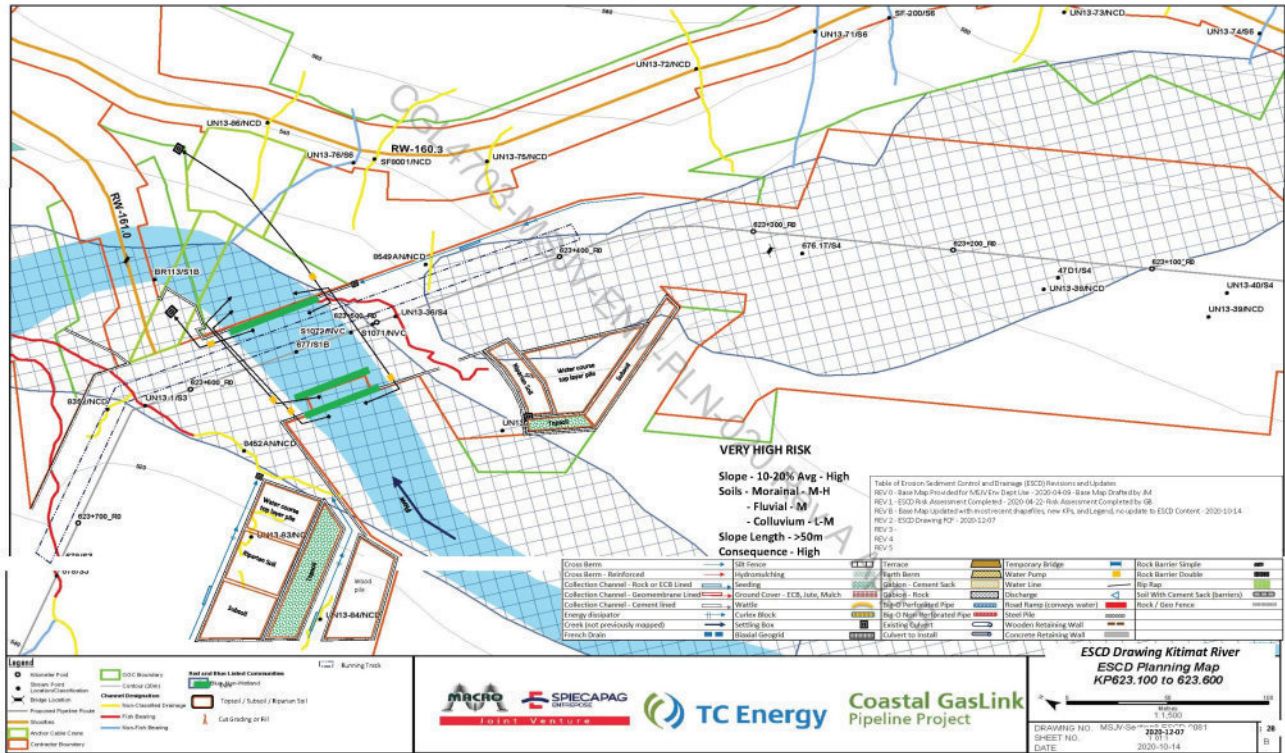
- ESCD measures
- Dewatering activities
- Waste
- Oil, fuel, and chemical storage facilities
- Flows especially upon heavy rainfall
- Turbidity pre and during excavation works
- Pump inlets and outlets
- Drip trays and generators/ pumps for leaks
- Monitoring for fauna during all stages of works.

Following the reinstatement of the crossing, EA's will regularly inspect the watercourses to ensure the erosion and sediment control measures are adequate, especially after heavy rainfall events.

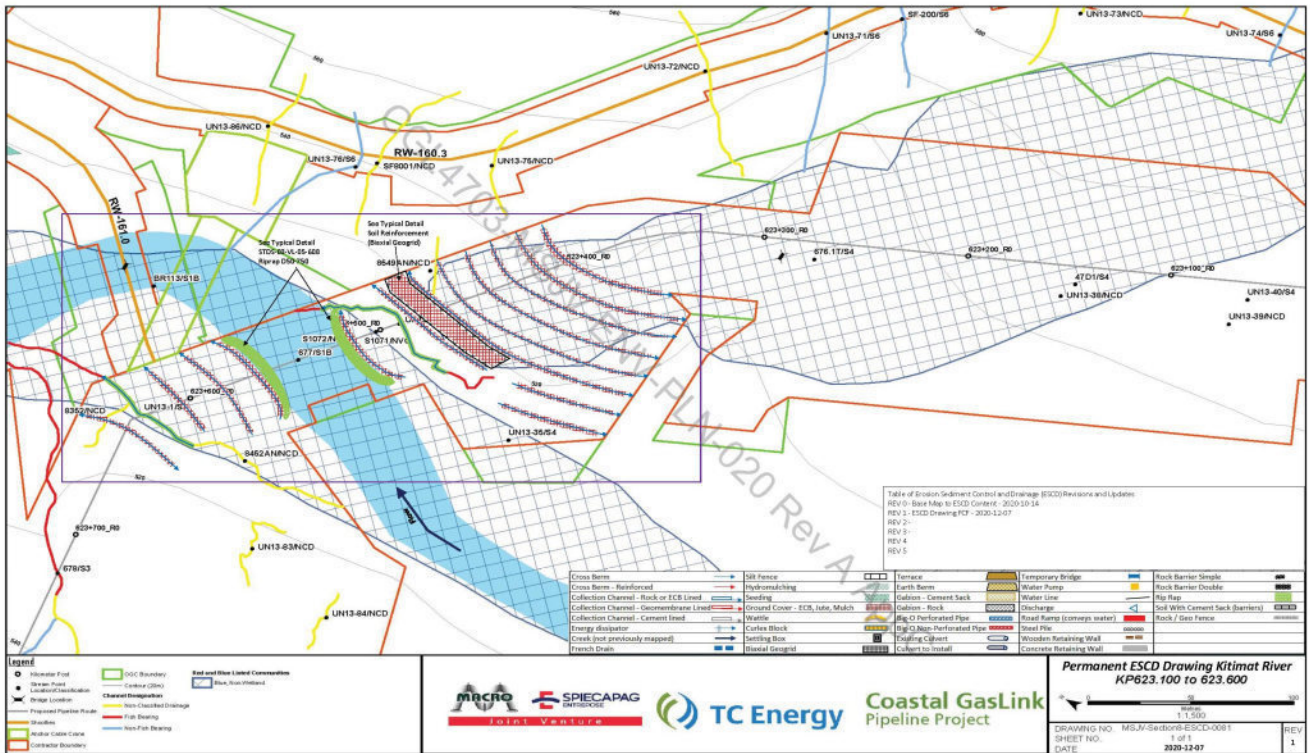
Appendix A Site Design



Appendix B ESCD KP 623+465



Appendix C Permanent ESCD KP 623+465





Fisheries and Oceans Pêches et Océans
Canada Canada

Pacific Region
Ecosystem Management Branch
417 2nd Avenue W
Prince Rupert, BC
V8J 1G8

Région du Pacifique
Gestion des écosystèmes
417, 2e Avenue Ouest
Prince Rupert, (C.-B.)
V8J 1G8

October 16, 2020

Our file Notre référence

20-HPAC-01014

Coastal GasLink Pipeline Ltd.
Attn.: P. Glenn Todd
450 – 1st Street SW
Calgary, AB, T2P 5H1

Via email: glenn_todd@tcenergy.com

**Subject: Coastal GasLink Pipeline Site 677, upper Kitimat River, Kitimat –
Implementation of Measures to Avoid and Mitigate the Potential for
Prohibited Effects to Fish and Fish Habitat**

Dear Mr. Todd:

The Fish and Fish Habitat Protection Program (the Program) of Fisheries and Oceans Canada (DFO) received your proposal on July 7, 2020. We understand that as part of the Coastal GasLink Pipeline project at Kilometre Post 623+465 you propose to:

- Install a buried 48 inch steel natural gas pipeline at Site 677 across the upper Kitimat River using an isolated trench methodology.

Our review considered the following information:

- *Request for Review* form signed by Glenn Todd of Coastal GasLink Ltd., dated July 7, 2020.
- *Fisheries and Oceans Canada Request for Review Submission: Supplemental Information Package for Five Pipeline Crossings in Construction Section 8* prepared by CH2M HILL Canada Limited (Jacobs), dated July 7, 2020.
- Supplemental information *Photo Plates Site 677* prepared by CH2M HILL Canada Limited (Jacobs), received September 3, 2020.
- *Water Quality Monitoring and Fish Salvage Execution Plan: Construction Activities in Work Packages 3 and 4* prepared by CH2M HILL Canada Limited (Jacobs), dated August 21, 2020.
- Emails and telephone discussions between Sherry Nugent, P. Glenn Todd (Coastal GasLink Pipeline Ltd.) and Ian Bergsma (the Program) during July through September of 2020.
- Pre-submission meetings between Coastal GasLink Pipeline Ltd. and the Program in March and June of 2020.

Canada

Your proposal has been reviewed to determine whether it is likely to result in:

- the death of fish by means other than fishing and the harmful alteration, disruption or destruction of fish habitat which are prohibited under subsections 34.4(1) and 35(1) of the *Fisheries Act*; and
- effects to listed aquatic species at risk, any part of their critical habitat or the residences of their individuals in a manner which is prohibited under sections 32, 33 and subsection 58(1) of the *Species at Risk Act*.

The aforementioned outcomes are prohibited unless authorized under their respective legislation and regulations. As of the date of this letter, no individuals of any aquatic species listed under the *Species at Risk Act* were identified in the vicinity of the proposed works.

To avoid and mitigate the potential for prohibited effects to fish and fish habitat (as listed above), we recommend implementing the measures listed below:

To avoid and mitigate the potential for prohibited effects to fish and fish habitat (as listed above), we recommend implementing the measures listed below:

- Follow guidelines and measures found in following DFO Interim Codes of Practices (<https://www.dfo-mpo.gc.ca/pnw-ppe/practice-pratique-eng.html>):
 - End-of-pipe fish screens for small water intakes in freshwater;
 - Temporary cofferdams and diversion channels; and
 - Temporary stream crossings.
- Retain a Qualified Environmental Professional to provide services as an Environmental Monitor (EM) to be on-site during all works which have the potential to impact fish or fish habitat.
- Prior to commencing project works isolate the work zone and conduct a fish salvage. Monitor the area to be de-watered for fish and relocate to stream areas outside of the work zone.
 - Develop a site specific isolation and fish salvage (via use of fish scares and fish removal) plan prior to commencing the project.
 - The EM will monitor for fish migration during the project so that fish can be relocated around the site as required utilizing proper fish handling procedures so that fish are not injured.
- Monitor and maintain site isolation. In the event that site isolation is breached, stop in-water works until site isolation is re-established and another fish salvage can be conducted.
- Clearly mark areas of riparian vegetation that is not to be disturbed in order to minimize riparian impacts.
- Utilize common access paths during project construction.
 - Install the pipe using isolated trench methodology with a de-watered construction site. Avoid using open cut methods in free flowing water. Contact DFO prior to changing the crossing method to one involving a non-isolated technique (i.e., open cut) or for a diversion channel submit the appropriate notification form available on DFO's Projects Near Water

web-site (<https://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/forms-formes/notification-eng.pdf>).

- Conduct project works during low flows and during a period of good forecasted weather. Monitor weather forecasts and implement contingency measures in the event of bad weather advisories.
- Conduct stream channel, bank and riparian restoration along with planned instream habitat enhancement prescriptions while ensuring fish passage and hydrology are maintained while mimicking natural conditions.
 - Restore bed and banks to pre-construction channel morphology; streambed to be topped with the native substrate removed and stockpiled separately from the first 0.5 m of streambed prior to construction.
- Implement an Erosion & Sediment Control (ESC) Plan. Employ, monitor and maintain ESC measures and remove when areas have stabilized.
- Follow mitigation measures, guidelines, work and monitoring plans as detailed in Project Approvals, Environmental Management Plans, Mitigation Execution Plans, Avoidance Strategies, Mitigation Standards, Post-construction Monitoring and implement measures contained in relevant Contingency Plans.
- In the event that blasting is required:
 - Develop a site specific Blasting Plan;
 - Implement measures and follow procedures in the Blasting Management Plan for Activities in or near Fish Habitat including removal of fish from the blast area before blasting;
 - Adhere to Guidelines for the use of explosives in or near Canadian fisheries waters (Wright & Hopky 1998);
 - Avoid the use of explosives in or near-water to the greatest extent possible; and
 - Employ methods to avoid one large detonation so that a series of smaller discrete explosions take place spaced at a minimum of 25 milliseconds.

Provided that you incorporate these measures into your plans, the Program is of the view that your proposal is not likely to result in the contravention of the above mentioned prohibitions and requirements.

Should your plans change or if you have omitted some information in your proposal, further review by the Program may be required. Consult our website (<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>) or consult with a qualified environmental consultant to determine if further review may be necessary. It remains your responsibility to remain in compliance with the *Fisheries Act*, the *Species at Risk Act* and the *Aquatic Invasive Species Regulations*.

It is also your *Duty to Notify* DFO if you have caused, or are about to cause, the death of fish by means other than fishing and/or the harmful alteration, disruption or destruction of fish habitat. Such notifications should be directed to the DFO-Pacific Observe, Record and Report phone line at 1-800-465-4336 or by email at DFO.ORR-ONS.MPO@dfo-mpo.gc.ca.

20-HPAC-01014

- 4 -

We recommend that you notify this office at least 10 days before starting your project and that a copy of this letter be kept on site while the work is in progress. It remains your responsibility to meet all other federal, territorial, provincial and municipal requirements that apply to your proposal.

Please note that the advice provided in this letter will remain valid for a period of one year from the date of issuance. If you plan to execute your proposal after the expiry of this letter, we recommend that you contact the Program to ensure that the advice remains up-to-date and accurate. Furthermore, the validity of the advice is also subject to there being no change in the relevant aquatic environment, including any legal protection orders or designations, during the one year period.

If you have any questions with the content of this letter, please contact the undersigned at our Prince Rupert office at 778-361-0015 (c) or by email at Ian.Bergsma@dfo-mpo.gc.ca. Please refer to the file number referenced above when corresponding with the Program.

Yours sincerely,

Bergsma, Ian Digitally signed by
Bergsma, Ian
Date: 2020.10.16 18:45:08
-07'00'

Ian Bergsma
A/Senior Biologist
Fish & Fish Habitat Protection Program

c.c.: Sherry Nugent, Coastal GasLink Pipeline Ltd. (Calgary),
Sherry_Nugent@tcenergy.com

Keough, Dana

From: Bourke, Jacqueline
Sent: Tuesday, December 15, 2020 10:17 AM
To: Anderson, Justin
Subject: CGL Leave Request - Section 8 Condition 39 - December 8, 2020
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditoin 39 Dec 8.docx

Good morning Justin,

Coastal GasLink is requesting leave of condition 39 of the section 8 pipeline permit in order to construct within the 1000m buffer of UWR U-6-001 (mountain goat) during the restricted time period. To reduce potential impacts to fish and fish habitat, the riparian vegetation from the Kitimat River was not removed when the rest of the right of way was cleared. The crossing of the Kitimat River is scheduled to occur in early 2021 to align with an identified regional timing window and therefore the riparian vegetation within the 1000m UWR buffer now needs to be removed. CGL has specific mitigation for clearing within mountain goat UWR and the area needing to be cleared is at the outer edge of the buffer and not within the actual boundaries of the UWR, as shown in Appendix A: Map attached in the leave request. Therefore, granting this leave request should have significantly less of an environmental impact than altering the timing of the river crossing outside of the in-stream work timing window.

I have attached a draft leave letter for your review and signature.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
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s13

Keough, Dana

From: Phillips, Lori L
Sent: Wednesday, December 9, 2020 8:41 AM
To: Anderson, Justin; Friedrich, Hardy
Subject: FW: Coastal Gaslink Leave Request Sec 8 Condition 39
Attachments: CGL4703-CGP-REG-LEAVRQ-0096_Cond39_Kitimat River.pdf; OGC leave form Sec 8 Cond 39.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Tuesday, December 8, 2020 5:52 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>
Subject: Coastal Gaslink Leave Request Sec 8 Condition 39

Please find attached a request for leave to Section 8 (AD# 10084230) Condition 39 to clear within 1000 m of UWR U-6-001 to facilitate the crossing of the Kitimat River.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

s22

tel: 778-328-5327 mobile
TCEnergy.com

s16
Pages: 320-329

December 8, 2020

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0096

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Condition 39**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 39 – clearing within 1000 meters of Ungulate Winter Range (UWR) U-6-001.

Coastal GasLink requires leave of the Commission to clear a portion of the pipeline right of way within 1000 meters of U-6-001. This is necessary so that Coastal GasLink can construct the crossing of the Kitimat River in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to December 31, 2020.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION 39 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.

1.1 REASON FOR REQUEST

The Revision G route (Rev G) of the Coastal GasLink pipeline right-of-way (ROW) and associated footprint, overlaps or is located within the 1000 meters (m) of Ungulate Winter Range (UWR) U-6-001 between the following kilometre points (KPs):

- KP 619+000 to KP 623+482

Coastal GasLink is requesting leave of the Commission from Condition 39 to progress clearing activities between October 31 and June 15 between the following KPs in areas that overlap or are within 1000m of UWR U-6-001:

- **KP 623+400 (557096 m E 5989866 m N) to KP 623+482 (557030 m E 5989916 m N).**

These locations are shown on the map provided in Appendix A.

Although clearing and access development through this area has been completed, the riparian area of the Kitimat River needs to be cleared to allow for the construction of the pipeline watercourse crossing. These activities need to proceed during the restricted period outlined in Condition 39 to allow the Project to progress the watercourse crossing during an identified regional timing window.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

To reduce potential impacts to fish and fish habitat, the riparian vegetation from the Kitimat River was not removed when the rest of the right of way was cleared. The crossing of the Kitimat River is scheduled to occur in early 2021 to align with an identified regional timing window and therefore the riparian vegetation now needs to be removed. This will require clearing within the riparian area during the restricted

time period noted in Condition 39. The Kitimat River and its riparian area is on the edge of the 1000m buffer of UWR U-6-001.

2.2 ENVIRONMENTAL EFFECT

UWR U-6-001 was established to protect key habitat for mountain goat. The Environmental Assessment Office (EAO) Assessment Report outlines that the proposed Project would cause direct and indirect disturbance to the no harvest zone buffer (i.e. 1000 m buffer) around UWR U-6-001. Although the Project has the potential to cause habitat changes that facilitate access into the UWR and potentially increase disturbances that may displace mountain goats from preferred habitat, the EAO has concluded these effects would likely not be significant.

For the reasons described above in Section 2.1, the clearing and subsequent access development activities overlap the October 31 to June 15 timing restriction. Conducting clearing activities during these sensitive winter months could cause sensory disturbance to mountain goats potentially displacing individuals from preferred habitats however Coastal GasLink is committed to implementing the mitigation strategy detailed in the Environmental Management Plan and summarized in Section 3.0.

Ability to progress clearing in these sections of ROW and associated shooflies is critical to keeping the project to its proposed schedule and not having to extend the duration of the construction phase and potential associated impacts to mountain goats.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed specific mitigation for clearing and construction activities within mountain goat UWRs as indicated in the Wildlife and Wildlife Habitat Management Plan (WWHMP) (Appendix D.13 of the EMP). Coastal GasLink will implement the following mitigation that was developed in consultation with provincial and federal authorities and Indigenous groups which was approved by the EAO in early 2016:

- Construction activities within the UWR will be completed as quickly as practical to reduce the duration of activities in the UWR.
- Coastal GasLink will use existing roads/linear corridors for access wherever practical to avoid creating permanent access within 1,000 m of mountain goat UWR U-6-003, and 500 m of UWR U-6-001. Coastal GasLink will deactivate and reclaim all temporary construction access within 1,000 m of mountain goat UWRs.

- Coastal GasLink will reduce construction traffic within the UWR to the extent practical by using multi-passenger vehicles to transport workers. Post and enforce low speed limits on the ROW and construction access.
- Coastal GasLink will use minimum disturbance construction techniques in areas where grading or blasting is not necessary in order to facilitate rapid regeneration of natural vegetation following construction. Coastal GasLink will implement reclamation measures to reclaim habitat disturbed by the Project within mountain goat UWRs, such as natural regeneration, tree seedling planting, and shrub staking/planting.
- Coastal GasLink will implement access control measures along the Project ROW in accordance with the Access Control Management Plan (Appendix D.3 of the EMP). Coastal GasLink will also monitor access control measures during Post-Construction Monitoring Program and implement remedial measures, if warranted (i.e., adaptive management protocol).

In addition, Coastal GasLink has developed a project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

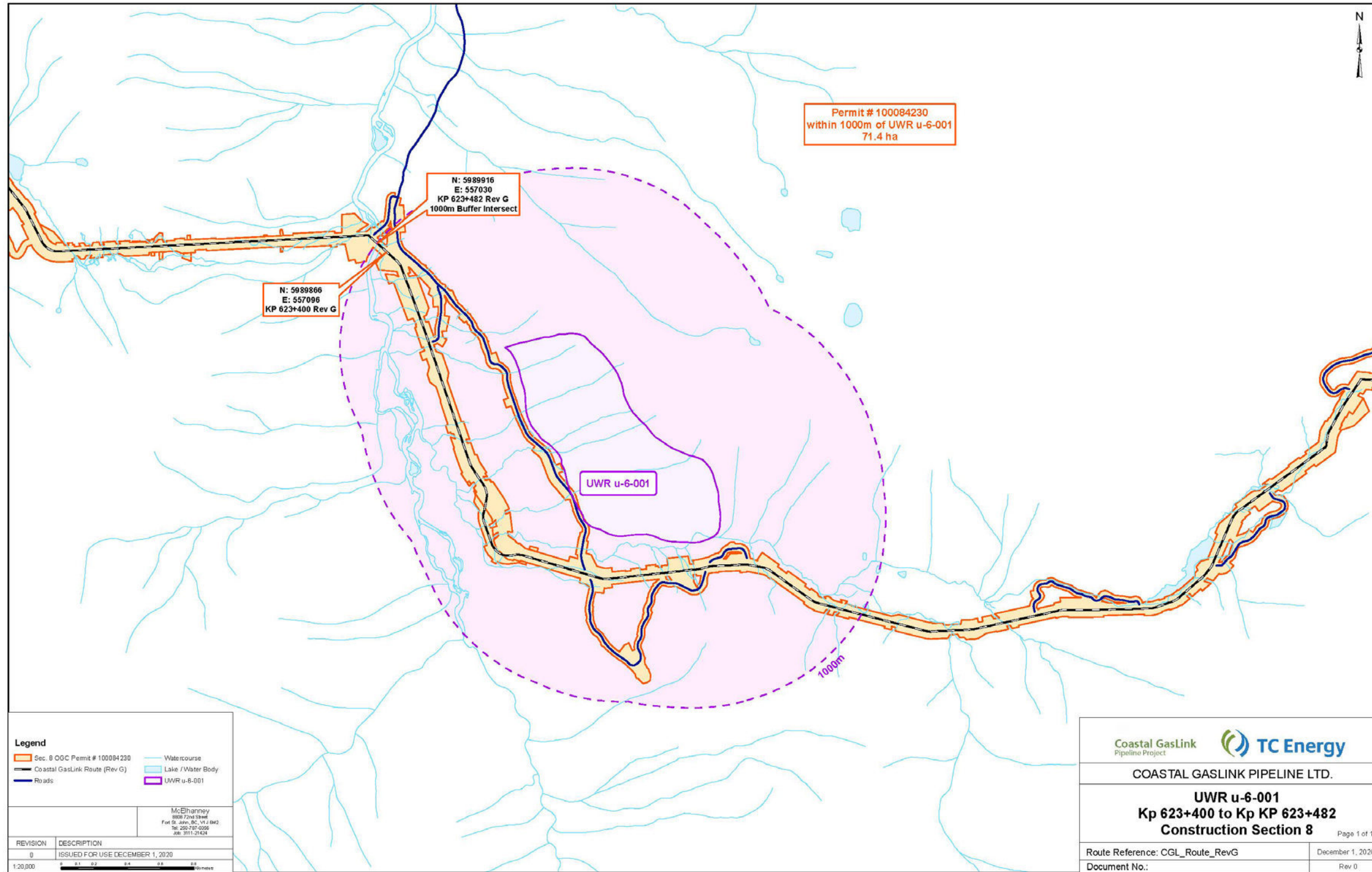
Coastal GasLink requires leave of the Commission to construct through this area that overlaps UWR U-6-001 during the restricted period. This is necessary so that Coastal GasLink can complete clearing activities in accordance with its schedule within this area.

Mitigation for mountain goat was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on mountain goat, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCES

Ministry of Forest, Lands and Natural Resource Operations. 2013. *Order – Mountain Goat Ungulate Winter Range U-6-003. Morice Timber Supply Area*. Accessed June 2018. http://www.env.gov.bc.ca/wld/documents/uwr/u-6-003_ord.pdf.

Appendix A: Map



Legend

- Sec. 8 OGC Permit # 100084230
- Coastal GasLink Route (Rev G)
- Roads
- Watercourse
- Lake / Water Body
- UWR u-6-001

McElhannay
5880 72nd Street
Fort St. John, BC, V1J 6M2
Tel: 250.757.0200
Fax: 311.21424

REVISION	DESCRIPTION
0	ISSUED FOR USE DECEMBER 1, 2020

1:20,000

Coastal GasLink Pipeline Project **TC Energy**

COASTAL GASLINK PIPELINE LTD.

UWR u-6-001
Kp 623+400 to Kp KP 623+482
Construction Section 8 Page 1 of 1

Route Reference: CGL_Route_RevG	December 1, 2020
Document No.:	Rev 0



LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 39. <i>Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.</i>	
Rationale for Request	Request for leave from Condition 39 to progress clearing within 1000-m of UWR U-6-001 between KP 623+400 and KP 623+482. Clearing activities need to continue through the restricted time period to allow the construction of the Kitimat River crossing during a least risk window	
Desired Date of Request Completion	December 31, 2020 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Kitselas First Nation	<input checked="" type="checkbox"/> Leave of Commission Form	
	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified on November 30, 2020 regarding its intent to file this request		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		

WORKS IN AND ABOUT A STREAM										<input type="checkbox"/> N/A	E
Crossin	UTM	UTM Location	Stream / Waterbody Name	Rip area	Ban	Stream	FHA	Temporary or	Stream Crossing Methods	Does the crossing type	

g Nu mber	Zon e							Permanent Crossing (T/P)	Bridge	Major Culvert	Ice Bridge	Other (please,	meet the peak flow requirements (Y/N) If no, provide justification.
		N											

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------

Attach any documentation that will support a Commission Review :

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:

(Print Name)



2020/12/08

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MMDD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Bourke, Jacqueline
Sent: Friday, November 27, 2020 2:18 PM
To: Anderson, Justin
Subject: CGL Leave Request - Section 8, Condition 39 - November 16, 2020

Hi Justin,

CGL is requesting leave of condition 39 in the section 8 pipeline permit in order to construct within the 1000m buffer of UWR-6-001 (mountain goat) during the restricted time period. While clearing has already occurred between KP 620+700 and KP 623+600 the remainder of the area back to KP 619+000 is still uncleared. In addition, clearing is required on portions of the shooflies as well (RW-160.3B and RW-160.3C). According to the map provided in the Appendix A of the leave request submission, all of the areas mentioned above that still need to be cleared are within the 1000m buffer of the UWR, but not within the UWR itself. Given that the request is for areas outside of the actual UWR boundaries and the mitigation measures CGL has in place, this request for leave of the Commission seems reasonable to me. I have attached a draft leave letter for your review and signature.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
F. 250-794-5390



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s13

Keough, Dana

From: Phillips, Lori L
Sent: Monday, November 16, 2020 1:07 PM
To: Anderson, Justin; Friedrich, Hardy
Subject: FW: CGL Request for Leave to Condition 39 Section 8
Attachments: CGL4703-CGP-REG-LEAVRQ-0094_Cond39.pdf; OGC leave form Sec 8 Cond 39.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
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T. 250 794-5318
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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Monday, November 16, 2020 12:31 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: CGL Request for Leave to Condition 39 Section 8

Please find attached a request for leave of the Commission for Condition 39 of Section 8 Pipeline Permit (AD# 100084230).

Should have any questions or require additional information, please let me know.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

s22

tel: 778-328-5327 mobile:
TCEnergy.com

s16
Pages: 361-370

November 16, 2020

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0094

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 1000884230 – Condition 39**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 39 – Clearing within 1000 meters of Ungulate Winter Range (UWR) U-6-001.

Coastal GasLink requires leave of the Commission to clear a portion of the pipeline right of way within 1000 meters of U-6-001. This is necessary so that Coastal GasLink can safely and efficiently execute construction in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to December 10, 2020.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION 39 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.

1.1 REASON FOR REQUEST

The Revision G route (Rev G) of the Coastal GasLink pipeline right-of-way (ROW) and associated footprint, overlaps or is located within the 1000 meters (m) of Ungulate Winter Range (UWR) U-6-001 between the following kilometre points (KPs):

- KP 619+000 to KP 623+600

Coastal GasLink is requesting leave of the Commission from Condition 39 to progress clearing activities between October 31 and June 15 between the following KPs in areas that overlap or are within 1000m of UWR U-6-001:

- KP 619+000 (560136 m E 5987930 m N) to KP 620+700 (558575 m E 5988011 m N), and
- Shooflies RW-160.3.B and RW-160.3.C.

These locations are shown on the map provided in Appendix A.

Clearing and access development through this area was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities. These activities need to continue during the restricted period outlined in Condition 39 to allow the Project to progress ROW preparation through this area.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Routing through this area is constrained by multiple terrain features including river valleys and mountain passes. While clearing has already occurred between KP 620+700 and KP 623+600 the remainder of the area back to KP 619+000 is still uncleared. In addition, clearing is required on portions of the shooflies as well.

Routing of these shooflies through this area is necessary due to the steep terrain of the river valley up to Icy Pass. Development of the shooflies is required prior to commencing clearing of the ROW as vehicles would not be able to safely operate using only the ROW.

Due the linear nature of pipeline construction, and the constrained working area, the shoofly must be cleared, and access established in advance of ROW clearing and mechanical work (e.g., grading, stringing, welding, trenching etc.). The shoofly access must be developed and maintained in a manner that supports safe and efficient construction of the pipeline, while also avoiding and reducing potential adverse effects on environmental and traditionally important resources.

Due to environmental constraints, weather restrictions, steep terrain and other unforeseen complexities, construction activities have not progressed in this area as quickly as planned and therefore it is expected that clearing of this area will need to occur during the restricted period noted in Condition 39.

2.2 ENVIRONMENTAL EFFECT

UWR U-6-001 was established to protect key habitat for mountain goat. The Environmental Assessment Office (EAO) Assessment Report outlines that the proposed Project would cause direct and indirect disturbance to the no harvest zone buffer (i.e. 1000 m buffer) around UWR U-6-001. Although the Project has the potential to cause habitat changes that facilitate access into the UWR and potentially increase disturbances that may displace mountain goats from preferred habitat, the EAO has concluded these effects would likely not be significant.

For the reasons described above in Section 2.1, the clearing and subsequent access development activities overlap the October 31 to June 15 timing restriction. Conducting clearing activities during these sensitive winter months could cause sensory disturbance to mountain goats potentially displacing individuals from preferred habitats however Coastal GasLink is committed to implementing the mitigation strategy detailed in the Environmental Management Plan and summarized in Section 3.0.

Ability to progress clearing in these sections of ROW and associated shooflies is critical to keeping the project to its proposed schedule and not having to extend the duration of the construction phase and potential associated impacts to mountain goats.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed specific mitigation for clearing and construction activities within mountain goat UWRs as indicated in the Wildlife and Wildlife Habitat Management Plan (WWHMP) (Appendix D.13 of the EMP). Coastal

GasLink will implement the following mitigation that was developed in consultation with provincial and federal authorities and Indigenous groups which was approved by the EAO in early 2016:

- Construction activities within the UWR will be completed as quickly as practical to reduce the duration of activities in the UWR.
- Coastal GasLink will use existing roads/linear corridors for access wherever practical to avoid creating permanent access within 1,000 m of mountain goat UWR U-6-003, and 500 m of UWR U-6-001. Coastal GasLink will deactivate and reclaim all temporary construction access within 1,000 m of mountain goat UWRs.
- Coastal GasLink will reduce construction traffic within the UWR to the extent practical by using multi-passenger vehicles to transport workers. Post and enforce low speed limits on the ROW and construction access.
- Coastal GasLink will use minimum disturbance construction techniques in areas where grading or blasting is not necessary in order to facilitate rapid regeneration of natural vegetation following construction. Coastal GasLink will implement reclamation measures to reclaim habitat disturbed by the Project within mountain goat UWRs, such as natural regeneration, tree seedling planting, and shrub staking/planting.
- Coastal GasLink will implement access control measures along the Project ROW in accordance with the Access Control Management Plan (Appendix D.3 of the EMP). Coastal GasLink will also monitor access control measures during Post-Construction Monitoring Program and implement remedial measures, if warranted (i.e., adaptive management protocol).

In addition, Coastal GasLink has developed a project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission to construct through this area that overlaps UWR U-6-001 during the restricted period. This is necessary so that Coastal GasLink can complete clearing activities in accordance with its schedule within this area.

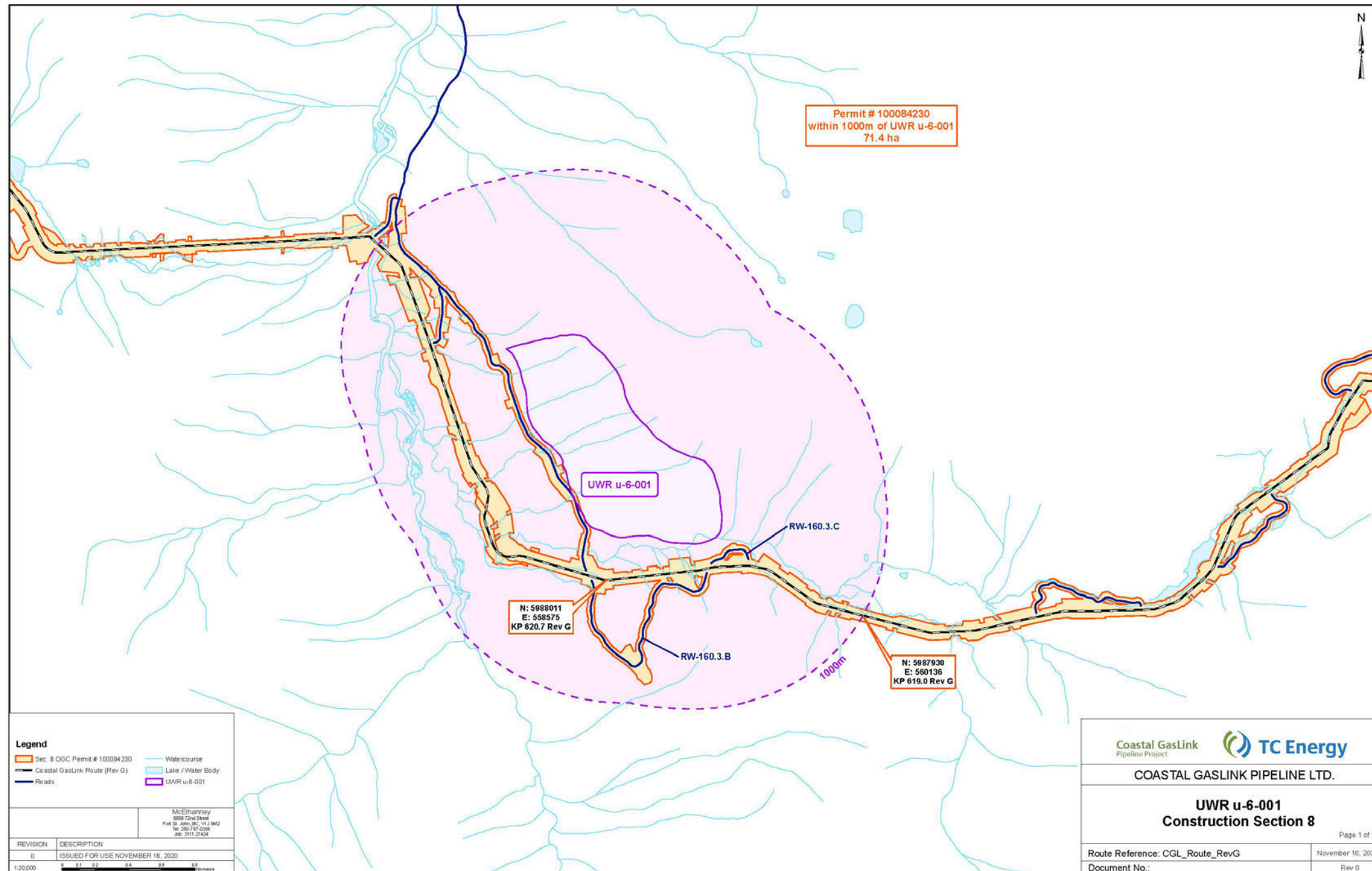
Mitigation for mountain goat was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on mountain goat, and further confirms that with implementing this mitigation granting the requested leave of the

Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCES

Ministry of Forest, Lands and Natural Resource Operations. 2013. *Order – Mountain Goat Ungulate Winter Range U-6-003. Morice Timber Supply Area*. Accessed June 2018. http://www.env.gov.bc.ca/wld/documents/uwr/u-6-003_ord.pdf.

Appendix A: Map





LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 39. <i>Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.</i>	
Rationale for Request	Request for leave from Condition 39 to progress clearing within 1000-m of UWR U-6-001 between KP 619+000 and KP 620+700. Clearing activities need to continue through the restricted time period to allow the installation of access and to progress ROW preparation in this area. Clearing and access development within 1000-m of UWR U-6-001 was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities.	
Desired Date of Request Completion	December 10, 2020 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		
FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Kitselas First Nation	<input checked="" type="checkbox"/> Leave of Commission Form	
	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified on November 12, 2020 regarding its intent to file this request		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
		E

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major	Ice Bridge	Other (please,)	
		N											

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------


Attach any documentation that will support a Commission Review:

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:

(Print Name)



2020/11/16

AUTHORIZED SIGNATORY OF APPLICANT COMPANY	DATE (YYYY/MM/DD)
---	-------------------

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Bourke, Jacqueline
Sent: Monday, November 16, 2020 3:43 PM
To: Anderson, Justin
Subject: CGL Leave Request Section 8 Condition 24 - November 3, 2020 Submission
Attachments: Leave of the Commission Letter CGL-Condition Sec 8 conditoin 24 Nov3.docx

Hi Justin

Coastal GasLink requires leave of the Commission for this condition in order to add incremental temporary workspace of 0.03 ha outside of the current footprint, within the pipeline construction corridor. CGL confirms that adding this small portion of new footprint will not exceed the permitted limit of new cut on Crown land. The ATWS is required to allow for adequate space for safe and efficient installation of tower anchors at Cable Crane Hill. Based on the information provided, it doesn't like the required ATWS is located within any sensitive areas and the only conflict would be TFL 41, which I believe there is already an agreement in place for. I've attached a draft approval letter for your review and signature.

Thanks,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
F. 250-794-5390



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s13

Keough, Dana

From: Phillips, Lori L
Sent: Wednesday, November 4, 2020 9:47 AM
To: Friedrich, Hardy; Anderson, Justin
Subject: FW: Coastal GasLink Leave Request Section 8 ATWS
Attachments: CGL4703-CGP-REG-LEAVRQ-0093_S8_CCH.pdf; OGC leave Form Sec 8 Cond 24.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5318
F. 250-794-5390



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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Tuesday, November 3, 2020 5:58 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: Coastal GasLink Leave Request Section 8 ATWS

Please find attached a request for leave to Condition 24 to clear a small area of additional temporary workspace on Section 8 (AD#100084230). This is a high priority request required to allow Coastal GasLink to progress with installation of a tower at Cable Crane Hill.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile
TCEnergy.com

s22

s16
Pages: 361-370

November 3, 2020

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0093

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Condition 24**

Please find enclosed a request for Leave of Commission to clear additional temporary workspace at Cable Crane Hill per Condition 24 of the Section 8 Pipeline Permit.

Coastal GasLink requires leave of the Commission to clear additional temporary workspace alongside the pipeline right of way. This is necessary so that Coastal GasLink can safely and efficiently execute construction in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to November 16, 2020.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the BC Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

- a) a previously disturbed area is less than 2 hectares;*
- b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
- c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

1.1 REASON FOR REQUEST

Further assessment of the right of way (ROW) has identified a location where minor changes are necessary for the purpose of addressing site-specific construction issues due to engineering, terrain, safety or environmental constraints. The location and reasoning for the change, including reference to the attached map, are indicated in Table 1. As the location of the incremental additional temporary workspace (ATWS) area is outside of the OGC permitted footprint, Coastal GasLink requires leave of the Commission.

Coastal GasLink requires incremental ATWS of 0.03 ha outside of the current footprint, within the pipeline construction corridor. The location of this change, including reference to the attached map, is provided in Table 1. Coastal GasLink notes that across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 331 ha overall and therefore adding this small portion of new footprint will not exceed the permitted limit of new cut on Crown land requested as part of this leave.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for specific changes is identified in Table 1 and shown in the attached map (CGW4703-MCSL-G-MP-2733) as referenced.

Table 1: Additional RW-300.0 Footprint

Area No.	KP	Area (ha)	Reason for Change
ATWS- KP624+900 _R0	624+900	0.03	Footprint required to allow for adequate space to allow for safe and efficient installation of tower anchors.
Total:		0.03	

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlined the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential adverse environmental effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the width of grading in order to limit the potential for erosion and subsoil compaction, where practical.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the Project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment. The new ATWS are directly adjacent to the approved footprint. Granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8

AREA No.	KP	AREA (ha)	REASON FOR SHIFT	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-KP624+900_R0	624+900_R0	0.03	CONTRACTOR REQUEST	CROWN	5989851.3	555878.2

LEGEND :

- Construction Footprint
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit
- Crown Tenure
- Coastal GasLink Route
- Coastal GasLink Construction Corridor
- Watercourse
- Crown Tenure
- X Anchor Points

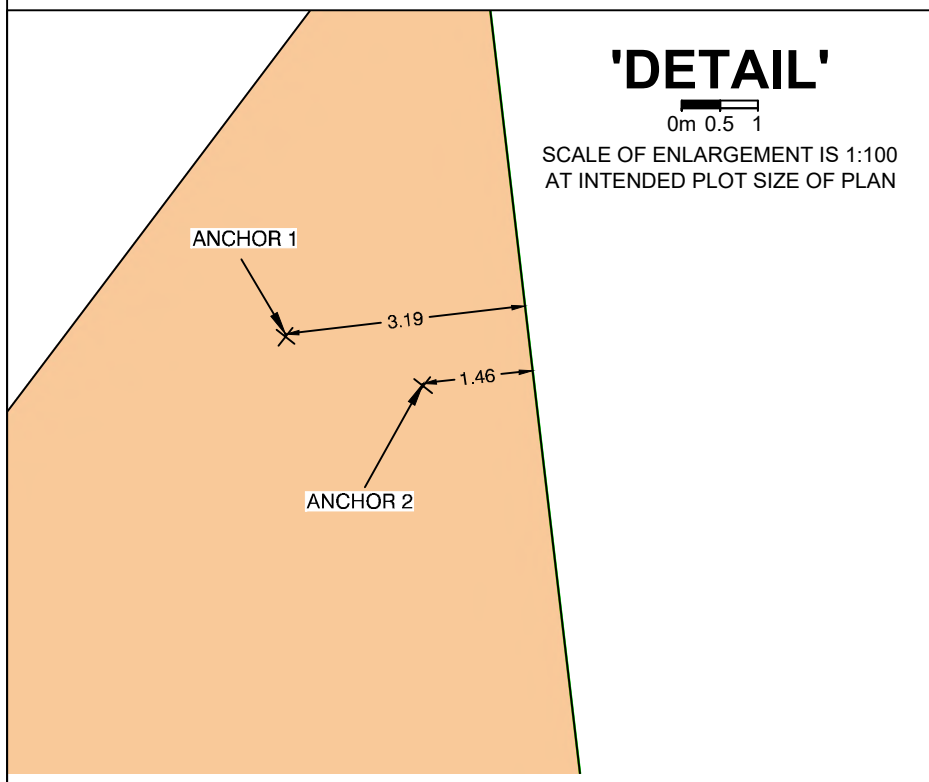
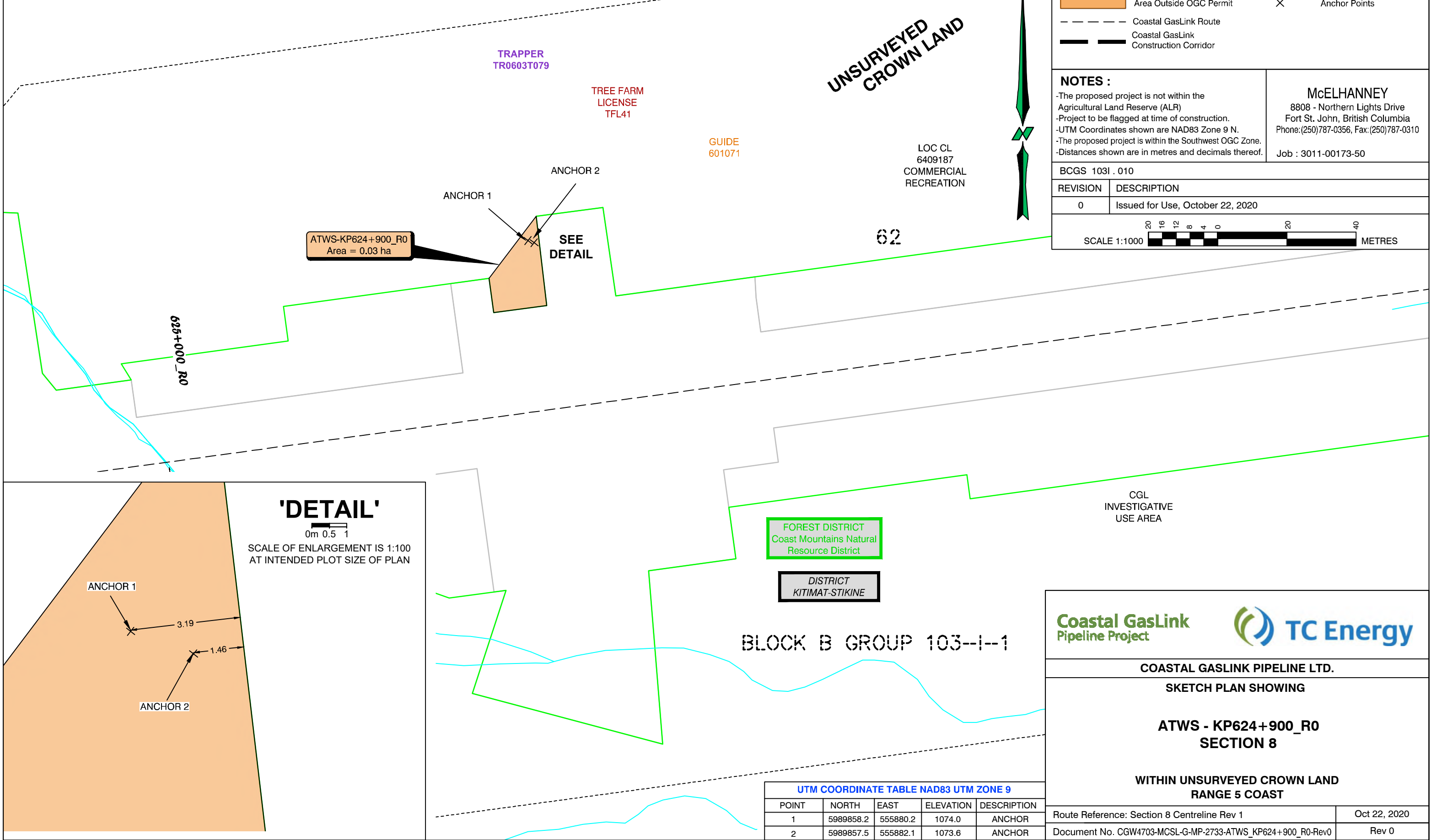
NOTES :

- 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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone: (250)787-0356, Fax: (250)787-0310
 Job : 3011-00173-50

BCGS 1031 . 010

REVISION	DESCRIPTION
0	Issued for Use, October 22, 2020



UTM COORDINATE TABLE NAD83 UTM ZONE 9

POINT	NORTH	EAST	ELEVATION	DESCRIPTION
1	5989858.2	555880.2	1074.0	ANCHOR
2	5989857.5	555882.1	1073.6	ANCHOR

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING

ATWS - KP624+900_R0 SECTION 8

WITHIN UNSURVEYED CROWN LAND RANGE 5 COAST

Route Reference: Section 8 Centreline Rev 1	Oct 22, 2020
Document No. CGW4703-MCSL-G-MP-2733-ATWS_KP624+900_R0-Rev0	Rev 0



LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY **A**

Commission File No. AD No.:

ADMINISTRATION **B**

Applicant Name: Coastal GasLink Pipeline Ltd.

Address: 630 – 609 Granville Street

City, Province, Postal Code: Vancouver, BC V7Y 1G5

Contact: Tracy Young

Email: tracy_young@tcenergy.com

Phone: 778-328-5327

Referral Company:

Email:

Phone:

Agent Name:

Internal File No.:

APPLICATION INFORMATION **C**

Surface Location: Section 8 (see Mapbook)

N/A

Permit Condition Request relates to (copy full text)

Permit application Determination number: 100084230

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

a) a previously disturbed area is less than 2 hectares;

b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or

c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.

Rationale for Request

Coastal GasLink requires new additional temporary workspace of approximately 0.03 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 331 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.

Desired Date of Request Completion

November 15, 2020 to provide project certainty to construction contractors

Primary Activity: Well Facility Geophysical Pipeline Road NEB Pipeline

FIRST NATIONS INFORMATION **D**

Ensure the following are attached to the application for First Nations engagement purposes:

First Nations

Attachments

Haisla Nation – comments in attachment

Cover letter (2 copies for each notification area affected)

Kitselas First Nation – comments in attachment

Leave of Commission Form

Any documents provided to support Leave Request

Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request

WORKS IN AND ABOUT A STREAM

N/A

Information Attached: Yes No

WORKS IN AND ABOUT A STREAM

N/A E

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major	Ice Bridge	Other (please,)	

ADDITIONAL INFORMATION REQUIREMENTS

F

Attach any documentation that will support a Commission Review:
Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION

G

I, Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2020/11/03

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY

DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: s19
Sent: Thursday, July 15, 2021 8:54 AM
To: 'Justin Denroche'
Cc: 'Doug Rice' s19
Subject: BCOGC site inspection Upper Kitimat Wednesday July 21st

Good morning Justin and Doug,

It's been a little while since I have been on the Upper (North) Kitimat and want to take a look at the progress of the works towards Icy Pass. This is just a routine inspection. JD let's meet at the ski trail parking lot at 8:30 on Wednesday and head to the back end from there.

Thanks,



s19

Keough, Dana

From: McNutt, Dawn
Sent: Monday, July 12, 2021 9:03 AM
To: O'Flaherty, Sandy; Nielsen, Angela C; Thomas, Sarah; Swan, Ian; Hicks, LeeAnn; Erickson-Fearon, Candace
Cc: Stark, Ryan
Subject: AD100112840 - Coastal GasLink Pipeline Ltd. - Permit
Attachments: AD100112840_PERMIT_2021JULY7.pdf

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory), Skin Tyee Nation



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

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F. 250 794-5390



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July 7, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100112840

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: July 7, 2021
Effective Date: July 7, 2021
Application Submission Date: February 22, 2021
Application Determination Number: 100112840
Approved Disturbance Footprint: 0.0 ha

ACTIVITIES APPROVED

Short Term Water Use No.: 0005894	Point of Diversion No.: 001, 002
Changes In and About a Stream: 0006642	

GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

1. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.
2. The Commission, pursuant to section 11 of the *Water Sustainability Act*, authorizes the Changes In and About a stream, as detailed in the Activities Approved table above, within the activity area for construction and maintenance activities, unless otherwise restricted by this authorization:
 - a. Instream works must be carried out in accordance with the methods and any mitigations, as specified in the application.

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.
4. The Permit Holder must notify the First Nation(s) copied on this permit/authorization at least 5 (five) working days prior to project commencement.

Clearing/Forest Act

5. 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.

Water Course Crossings and Works

6. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
7. In-stream activities within a fish bearing stream, lake or wetland must occur:
 - a. during the applicable reduced risk work windows as specified in the Skeena Region - Reduced Risk Work Windows;
 - b. in accordance with alternative timing and associated mitigation recommended by a Qualified Professional and accepted by the Commission; or
 - c. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
8. At any time, the Commission may suspend instream works authorized under this permit. Suspensions on instream works will remain in place until such time as the Commission notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
9. Equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.
10. The permit holder must ensure any instream works related to maintenance are planned and overseen by a qualified professional. This individual must assess and determine whether planned works pose a risk to any of the features listed below, and is responsible for developing and implementing mitigation measures to reduce any potential impacts on these features, as required:
 - a. fish or important fisheries habitat;
 - b. species identified as special concern, threatened, or endangered under the federal *Species at Risk Act*, or
 - c. species identified by Order as a species at risk under the *Forest and Range Practices Act* or the *Oil and Gas Activities Act*.

This assessment must be provided to the Commission upon request.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005894
Approval Period – From: July 7, 2021 **To:** July 7, 2023

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Unnamed Lake (Kitimat River) (POD KP616)
Type: Lake/Pond	
Purpose: Oil and Gas, Industrial & Storage	
Location (UTM): Zone 09 Northing 5988454, Easting 562249	
Daily Withdrawal Volume (m³/day): 12,960	
Total Withdrawal Volume (m³): 40,000	

Point of Diversion No.: 002	Water Source Name: Unnamed Lake (Kitimat River) (POD KP617)
Type: Lake/Pond	
Purpose: Oil and Gas, Industrial & Storage	
Location (UTM): Zone 09 Northing 5988148, Easting 561878	
Daily Withdrawal Volume (m³/day): 12,960	
Total Withdrawal Volume (m³): 40,000	

All authorizations for this activity are subject to the following conditions:

Short Term Water Use Conditions

11. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
12. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
13. Water must not be diverted or withdrawn from any beaver pond.
14. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.
15. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.
16. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.

ADVISORY GUIDANCE

1. CIAS Sketch Plan - SECTION 8 EAST LAKE CROSSING KP 617+000_R0.pdf, CIAS Sketch Plan - CGW4703-MCSL-G-MP-2793-KP_616-617_LAKE-Rev0.pdf, Diversion Map - CGW4703-MCSL-G-MP-2792-POD_KP_616_POD_KP_617-Sketch-Rev0.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
2. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the Commission's website.
3. 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.



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory), Skin Tyee Nation

Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, June 22, 2021 2:39 PM
To: Nielsen, Angela C; Stark, Ryan
Cc: Howes, Ken
Subject: RE: 100113790 SOE Report - CGL Section 10
Attachments: Referral Letter_2021JUN_Draft_100113790.docx

Hi all,

Please see the attached draft referral letter

s13

once this is reviewed we will get it referred

Cheers

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Tuesday, June 22, 2021 1:45 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Howes, Ken <Ken.Howes@bcogc.ca>
Subject: RE: 100113790 SOE Report - CGL Section 10

Hi again,

Sarah got clarification that OW is NOT impacted by this application; only Dark House.

Thank you Sarah.

Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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F. 250-794-5390



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From: Nielsen, Angela C
Sent: Tuesday, June 22, 2021 11:00 AM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Howes, Ken <Ken.Howes@bcogc.ca>
Subject: 100113790 SOE Report - CGL Section 10

Good morning,

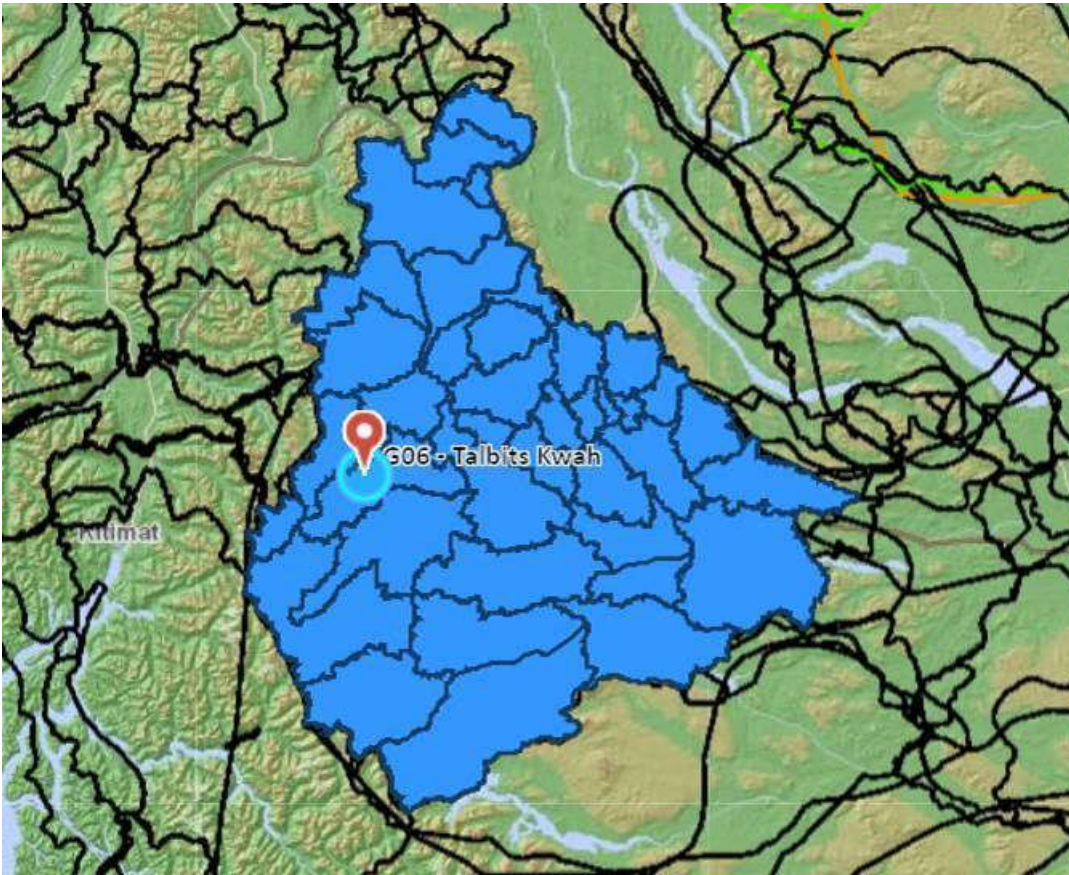
We have received a Section 10 – Short Term Water Use application from Coastal GasLink. This section 10 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230.

POD10 (AMS ID 001): All workspace and access required will use existing access routes. Water withdrawal volumes requested are required for: dust suppression, roadway construction, upgrades and maintenance, ROW construction and reclamation activities. Above ground, storage may be used at this POD location, as required. The storage volume would be up to the full volume requested within the application. If storage is required, a storage location will be determined during construction-specific activities and will be located off the approved access road. A pump will be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45 mm to prevent fish passage through the screen.

First Nations impacted:

Dark House
OW
Skin Tyee Nation
Wet'suwet'en First Nation

I checked and took a snip in Whistler and it appears to me that Dark House and OW are impacted.



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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s13
Pages: 387-388

Keough, Dana

From: Howes, Ken
Sent: Monday, June 21, 2021 12:58 PM
To: Stark, Ryan; Nielsen, Angela C; Thomas, Sarah
Cc: Anderson, Justin
Subject: RE: Section 8 Leave Request

Nice work!



Ken Howes
Director, Major Projects & Decision Support
Ken.Howes@bcogc.ca

Victoria BC
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T. 250 419-4445
F. 250-419-4403
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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, June 21, 2021 12:06 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Howes, Ken <Ken.Howes@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: RE: Section 8 Leave Request

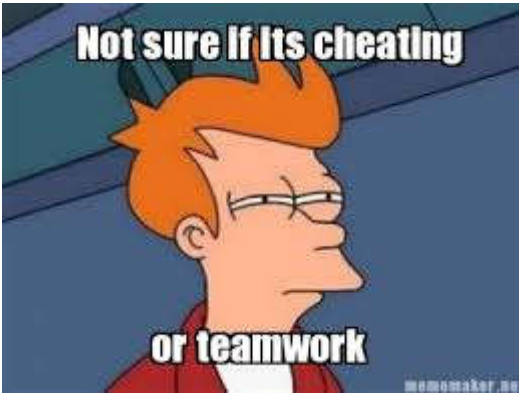
Thanks Angela,

Would you mind please uploading the info package info for this leave request to Dark House's FTP site?

I'm forwarding the leave request to DH now.

Final Result – Leave Request Distributed.

Thank you everyone!



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
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F. 250-794-5390
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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Sent: Monday, June 21, 2021 10:54 AM

To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>

Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>

Subject: RE: Section 8 Leave Request

This has been completed.



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Friday, June 18, 2021 3:59 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: Section 8 Leave Request

Hi Ang,
s22

Can you send the Leave Request to Skin Tyee and WFN on Monday morning for me please. The documents will need to be uploaded to the FTP site as well

[K:\Major Projects\Coastal GasLink\Leaves & Satisfactions\FN Consultation\2021-06-14 - CGL - Section 8, Condition 18, 21, 24 38](#)

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
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T. 250 638-6404
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Keough, Dana

From:
Sent: Monday, June 21, 2021 9:50 AM
To: Smook, Patrick s19
Subject: RE: Zymoetz (Copper) River crossing on Section 8E

The weather was actually quite good for most of the day, this blew in around noon in the backend. Probably could have flown in the morning (from Terrace) but may not have been able to make it back home at the end of the day. Not always as straightforward as we would like.



s19

From: Smook, Patrick <Patrick.Smook@bcogc.ca>
Sent: Monday, June 21, 2021 9:29 AM
To: s19
Cc: O'Neill, Sean <Sean.O'Neill@bcogc.ca> s19
Subject: RE: Zymoetz (Copper) River crossing on Section 8E

Wow, thanks for sharing. I note that the weather might not have been the best for a fly-in. Looks like low cloud.

P



Patrick Smook RPF, MBA
Executive Director, Compliance &
Enforcement
Patrick.Smook@BCOGC.ca

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s19

From:

Sent: Monday, June 21, 2021 9:22 AM

To: Smook, Patrick <Patrick.Smook@bcogc.ca>

Cc: O'Neill, Sean <Sean.O'Neill@bcogc.ca>;

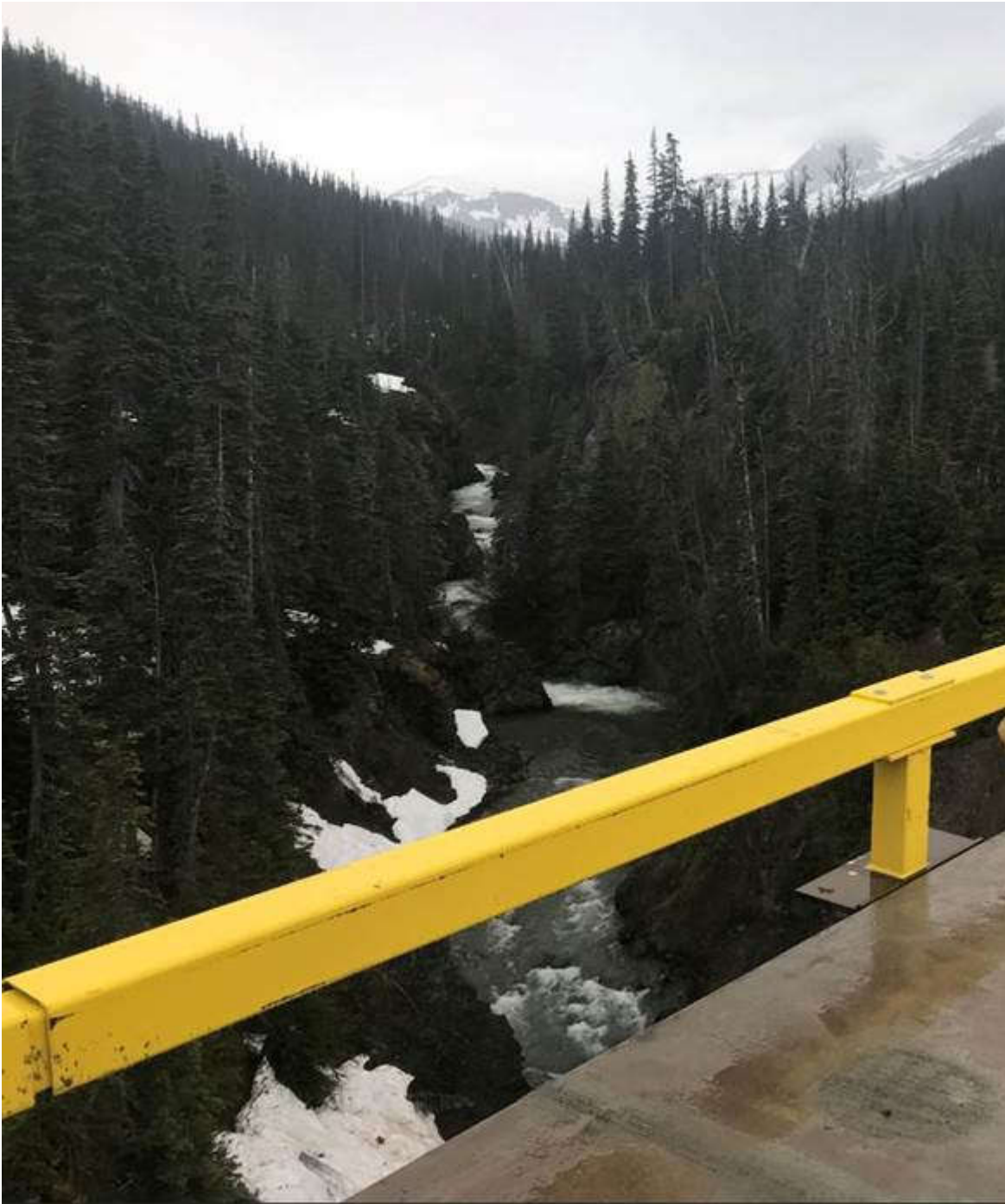
s19

Subject: Zymoetz (Copper) River crossing on Section 8E

Thought I'd send a few pics of the crossing of the Copper River on Section 8E that we saw last week. Significant milestone for CGL to access the pipeline ROW heading towards Icy Pass.



Upstream:



Downstream:



Keough, Dana

From: Stark, Ryan
Sent: Friday, June 18, 2021 11:30 AM
To: Thomas, Sarah
Cc: Howes, Ken
Subject: RE: CGL Leave Request submitted June 14

Good to go. Lets get them out asap

Have we shared the Topspeed letters this week?



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5287
F. 250-794-5390
s17



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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Friday, June 18, 2021 11:28 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: CGL Leave Request submitted June 14
Importance: High

Tables are ready to go

Take a boo

Let's get these out this afternoon?



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Tuesday, June 15, 2021 2:27 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Howes, Ken <Ken.Howes@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>
Subject: CGL Leave Request submitted June 14

Hi Sarah,

I've reviewed the Leave Request and info packages you have prepared ([here](#)):

- I can confirm the area in question is within DH territory and not within OW territory.
- I can confirm your interpretation of the SOE is correct. Activities are proposed within WFN, DH and STN Territory.

Your info letter is well prepared. I have no further suggested edits.

When do you plan to share with STN and WFN? I'll share with DH when you share with the other two.

Great work!

Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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Keough, Dana

From: Hicks, LeeAnn
Sent: Tuesday, June 8, 2021 11:20 AM
To: Stark, Ryan; Swan, Ian; Erickson-Fearon, Candace; Thomas, Sarah; Nielsen, Angela C
Cc: Howes, Ken; Thoroughgood, Garth
Subject: FW: RE: AMS#s 100112771, 100112864, 100113045, and 100113046 - Coastal GasLink Pipeline Ltd.
Attachments: AD100112771_PERMIT_2021MAY31.pdf; AD100112864_PERMIT_2021MAY28.pdf; AD100113045_PERMIT_2021MAY28.pdf; AD100113046_Permit_2021May28.pdf

Good morning,

Please note that the above application permits have been distributed to Haisla Nation Council.

Thank you,
Lee Ann



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5277
F. 250-794-5390



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From: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Sent: Tuesday, June 8, 2021 11:16 AM
To: 'Tracey Ross' <traceyross@haisla.ca>; azinter@coreregulatory.com; Candice Wilson <CaWilson@haisla.ca>
Cc: Swan, Ian <Ian.Swan@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: AMS#s 100112771, 100112864, 100113045, and 100113046 - Coastal GasLink Pipeline Ltd.

Good morning Tracey, Candice and Amanda,

Please see the attached permits granted to Coastal GasLink Pipeline Ltd.

These permits along with all pertaining documents have been uploaded to your FTP site for future reference.

Should you have any questions, comments, or concerns please contact Ian Swan by email at ian.swan@bcogc.ca or by phone at 250-419-4485.

Kindest regards,

Lee Ann Hicks



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5277
F. 250-794-5390



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May 31, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100112771

Permit Holder: Coastal GasLink Pipeline Ltd.

Date of Issuance: May 31, 2021

Effective Date: May 31, 2021

Application Submission Date: February 4, 2021

Application Determination Number: 100112771

ACTIVITIES APPROVED

Changes In and About a Stream: 0006632
--

GENERAL AUTHORIZATIONS AND CONDITIONS

Water Sustainability Act

1. The Commission, pursuant to section 11 of the *Water Sustainability Act*, authorizes the Changes In and About a Stream, as detailed in the table above, within the activity area for construction and maintenance activities, unless otherwise restricted by this authorization:
 - a. Instream works must be carried out in accordance with the methods and any mitigations, as specified in the application.
2. The authorizations granted under this permit are limited to the area identified in the spatial data submitted to the Commission in the permit application as identified and dated above; herein referred to as the 'activity area'.

CONDITIONS

Notification

3. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Clearing

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.

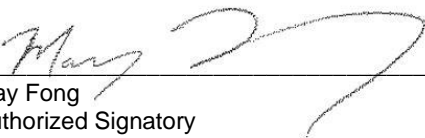
Water Course Crossings and Works

5. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
6. In-stream activities within a fish bearing stream, lake or wetland must occur:
 - a. during the applicable reduced risk work windows as specified in the Skeena Region - Reduced Risk Work Windows;
 - b. in accordance with alternative timing and associated mitigation recommended by a Qualified Professional and accepted by the Commission; or
 - c. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
7. At any time, the Commission may suspend instream works authorized under this permit. Suspensions on instream works will remain in place until such time as the Commission notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
8. Equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.

ADVISORY GUIDANCE

1. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the Commission's website.
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*.

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



May Fong
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)



May 28, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100112864

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: May 28, 2021
Effective Date: May 28, 2021
Application Submission Date: February 22, 2021
Application Determination Number: 100112864
Approved Disturbance Footprint: 0.0 ha

ACTIVITIES APPROVED

Short Term Water Use No.: 0005898	Point of Diversion No.: 001
--	------------------------------------

GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

1. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.

CONDITIONS

Notification

2. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Clearing/Forest Act

3. 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005898

Approval Period – From: August 1, 2021, **To:** January 1, 2023

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Unnamed Tributary (Hirsch Creek) (POD638)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 09, Northing 5993005, Easting 544050 Maximum Withdrawal Rate (m³/s): 0.15 Daily Withdrawal Volume (m³/day): 12,960 Total Withdrawal Volume (m³): 40,000	

All authorizations for this activity are subject to the following conditions:

Short Term Water Use Conditions

4. No instream works are permitted under this authorization.
5. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
6. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
7. Water must not be diverted or withdrawn from any beaver pond.
8. Water withdrawal must not occur where:
 - a. stream discharge is less than 55 L/s;
 - b. the diversion will cause the stream discharge to fall below 55 L/s;
 - c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
 - d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
9. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.
10. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.
11. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
12. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and

- b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

ADVISORY GUIDANCE

1. Diversion Map - CGW4703-MCSL-G-MP-2791-POD_KP_638-Sketch-Rev0.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
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*.

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



Rebecca Bromba
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council



May 28, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100113045

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: May 28, 2021
Effective Date: May 28, 2021
Application Submission Date: March 15, 2021
Application Determination Number: 100113045
Approved Disturbance Footprint: 0.0 ha

ACTIVITIES APPROVED

Short Term Water Use No.: 0005923	Point of Diversion No.: 001
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GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

1. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.

CONDITIONS

Notification

2. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Clearing/Forest Act

3. 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005923

Approval Period – From: June 21, 2021, **To:** November 30, 2022

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Kitimat River (POD11a)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 09, Northing 5989903, Easting 557047 Maximum Withdrawal Rate (m³/s): 0.014 Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	

All authorizations for this activity are subject to the following conditions:

Short Term Water Use Conditions

4. No instream works are permitted under this authorization.
5. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
6. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
7. Water must not be diverted or withdrawn from any beaver pond.
8. Water withdrawal must not occur where:
 - a. stream discharge is less than 55 L/s;
 - b. the diversion will cause the stream discharge to fall below 55 L/s;
 - c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
 - d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
9. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.
10. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.
11. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
12. Water withdrawal from POD #1 is not authorized from February 01 to March 31.
13. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and

- b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

ADVISORY GUIDANCE

1. Diversion Map - t8282_OGC_5k_POD_Section10_D.PDF is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
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*.

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



Rebecca Bromba
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)

May 28, 2021

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100113046

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: May 28, 2021
Effective Date: May 28, 2021
Application Submission Date: March 15, 2021
Application Determination Number: 100113046
Approved Disturbance Footprint: 0.0 ha

ACTIVITIES APPROVED

Short Term Water Use No.: 0005928	Point of Diversion No.: 001, 002, 003, 004 & 005
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Water Sustainability Act

1. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.

CONDITIONS

Notification

2. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Clearing/Forest Act

3. 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005928
Approval Period – From: July 1, 2021, **To:** June 30, 2023

Permit Adjudication
Physical Address: 6534 Airport Road Fort St John, BC
Mailing Address: Bag 2 Fort St. John, BC V1J 2B0

Page 1 of 3

Telephone: (250)794-5200
Facsimile: (250) 794-5379
24 Hour: (250) 794-5200

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Unnamed Tributary to Hirsh Creek (POD1a)
Type: Stream/River Purpose: Oil and Gas, Industrial & Storage Location (UTM): Zone 9, Northing 5991514, Easting 551960 Maximum Withdrawal Rate (m³/s): 0.014 Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	
Point of Diversion No.: 002	Water Source Name: Unnamed Tributary to Hirsh Creek (POD3a)
Type: Stream/River Purpose: Oil and Gas, Industrial & Storage Location (UTM): Zone 9, Northing 5992827, Easting 531605 Maximum Withdrawal Rate (m³/s): 0.014 Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	
Point of Diversion No.: 003	Water Source Name: Tributary Hirsh Creek (POD4a)
Type: Stream/River Purpose: Oil and Gas, Industrial & Storage Location (UTM): Zone 9, Northing 5991401, Easting 542331 Maximum Withdrawal Rate (m³/s): 0.014 Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	
Point of Diversion No.: 004	Water Source Name: Hirsh Creek (POD6a)
Type: Stream/River Purpose: Oil and Gas, Industrial & Storage Location (UTM): Zone 9, Northing 5993688, Easting 533411 Maximum Withdrawal Rate (m³/s): 0.014 Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	
Point of Diversion No.: 005	Water Source Name: Unnamed Tributary to Hirsh Creek (POD9a)
Type: Stream/River Purpose: Oil and Gas, Industrial & Storage Location (UTM): Zone 9, Northing 5992039, Easting 536423 Maximum Withdrawal Rate (m³/s): 0.014 Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	

All authorizations for this activity are subject to the following conditions:

Short Term Water Use Conditions

3. No instream works are permitted under this authorization.
4. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
5. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
6. Water must not be diverted or withdrawn from any beaver pond.
7. Water withdrawal must not occur where:
 - a. stream discharge is less than 55 L/s;

- b. the diversion will cause the stream discharge to fall below 55 L/s;
 - c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
 - d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
8. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.
 9. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.
 10. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
 11. Water withdrawal from POD #1 is not authorized from December 01 to April 30.
 12. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

ADVISORY GUIDANCE

1. Diversion Map - t8282_OGC_5k_POD_Section10_E.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
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*.

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



Rebecca Bromba
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council

Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, May 25, 2021 1:24 PM
To: Nielsen, Angela C
Subject: RE: 100112771 Coastal GasLink Section 11 Referral - Kitselas

We never heard anything on this one – go ahead and close 😊



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
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From: Nielsen, Angela C
Sent: Friday, March 5, 2021 12:49 PM
To: Jane Hauser 'pao@kitselas.com'
Cc: Cedarbox ; Chris Apps 'lr.director@kitselas.com' ; Thomas, Sarah
Subject: RE: 100112771 Coastal GasLink Section 11 Referral - Kitselas

Good afternoon,

I hope this email finds you healthy. I am writing to follow up regarding an application from Coastal GasLink Pipeline Ltd. (CGL) for a Changes In and About a Stream authorization (AMS# 100112771). This authorization is required by CGL in order to complete two permanent streamflow diversions at the top of Cable Crane Hill.

The Commission requests your comments concerning this application by **March 11, 2021**. We look forward to hearing back from you. The information you provide is highly valued and assists our decision makers to assess and address First Nations concerns where they may be impacted by oil and gas activity.

If you have any questions, comments or concerns, please contact Sarah Thomas at Sarah.Thomas@bcogc.ca or by phone at (250) 638-6404. Thank you.

Kind regards,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5266
F. 250-794-5390



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Wednesday, February 10, 2021 3:35 PM
To: Jane Hauser 'pao@kitselas.com' <pao@kitselas.com>
Cc: Cedarbox <cedarbox@kitselas.com>; Chris Apps 'lr.director@kitselas.com' <lr.director@kitselas.com>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Subject: 100112771 Coastal GasLink Section 11 Referral - Kitselas

Good afternoon,

Please see the attached SER from Coastal GasLink Pipeline Ltd. (CGL) for a Changes In and About a Stream authorization in order to complete two permanent streamflow diversions at the top of Cable Crane Hill.

The BC Oil & Gas Commission (Commission) is requesting your participation in the consultation process and the decision making process on the following activity:

PROPOSAL: Section 11 – Changes In and About a Stream
APPLICANT: Coastal GasLink Pipeline Ltd.
COMMISSION FILE: 100112771
RESPONSE REQUESTED IN 20 DAYS: March 11, 2021

The Commission welcomes your input and comments regarding how proposed project may affection your community. As per previous referrals, and as part of the Commission's commitment to sharing data in a timely manner, the above application has been uploaded for your viewing on your FTP site at:

s17

Should you encounter any difficulty accessing information on your FTP site please contact the Commission immediately.

We look forward to hearing back from you. The information you provide is highly valued and assists our decision makers to assess and address First Nations concerns where they may be impacted by oil and gas activity.

If you have any questions, comments or concerns, please contact Sarah Thomas at Sarah.Thomas@bcogc.ca or by phone at (250) 638-6404. Thank you.

Kindest Regards,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5266
F. 250-794-5390



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Keough, Dana

From: Hicks, LeeAnn
Sent: Friday, May 21, 2021 2:50 PM
To: Thomas, Sarah; Nielsen, Angela C
Cc: Swan, Ian; Stark, Ryan
Subject: AMS# 100112840 - CGL - Section 10 and 11

Hi Sarah,

I have also closed Haisla for the above noted application. Kitselas is the other FN on this application. I did not close it as I am unsure as to where consultation stands with them and CGL.

Thank you kindly,

Lee Ann



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

Fort St John BC
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bcogc.ca

T. 250-794-5277
F. 250-794-5390



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Keough, Dana

From: Hicks, LeeAnn
Sent: Friday, May 21, 2021 2:53 PM
To: Swan, Ian
Cc: Stark, Ryan
Subject: RE: <[EXTERNAL]> FW: Haisla - OGC Touch Base Meeting

Hi Ian,

The below CGL applications have now all been closed in CRD for Haisla. The only two that have NOT gone to the decision makers are AMS# 100112771 and 100112840. They both have Kitselas still open. I have sent emails to Sarah and Angela to make them aware of this for when they are back on Tuesday.

I hope you have a wonderful long weekend.

Lee Ann



LeeAnn Hicks
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LeeAnn.Hicks@BCOGC.ca

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From: Swan, Ian <Ian.Swan@bcogc.ca>
Sent: Friday, May 21, 2021 9:08 AM
To: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: <[EXTERNAL]> FW: Haisla - OGC Touch Base Meeting

Thanks, LeeAnn. No worries; if you're able to get to these files this afternoon that would be fine.

Cheers,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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From: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Sent: Friday, May 21, 2021 8:59 AM
To: Swan, Ian <Ian.Swan@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: <[EXTERNAL]> FW: Haisla - OGC Touch Base Meeting

Morning Ian,

I am just working on a large TMEP file this morning, hoping to get it out today. I will try and get to these files this afternoon to close them off so they can go to decision. Please let me know if there is anything you need today.

Thanks
Lee Ann



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

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From: Swan, Ian <Ian.Swan@bcogc.ca>
Sent: Friday, May 21, 2021 8:51 AM
To: 'Tracey Ross' <traceyross@haisla.ca>
Cc: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Subject: RE: <[EXTERNAL]> FW: Haisla - OGC Touch Base Meeting

Morning Tracey,

s16

Thanks,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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From: Tracey Ross <traceyross@haisla.ca>
Sent: Friday, May 21, 2021 8:04 AM
To: Swan, Ian <Ian.Swan@bcogc.ca>
Subject: Re: <[EXTERNAL]> FW: Haisla - OGC Touch Base Meeting

Hi Ian

s16

Thanks
Tracey

Tracey Ross
Lands Manager
Haisla Nation Council
s22

On May 19, 2021, at 3:48 PM, Swan, Ian <Ian.Swan@bcogc.ca> wrote:

CAUTION: This email originated from outside of the Haisla network. Be cautious of any embedded links and/or attachments.

Hi Tracey,

As discussed on the phone, see the email below for a list of the five (5) open CGL applications.

s22

Regards,
Ian

<image001.jpg>

Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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<image002.png>

<image004.png>

<image006.png>

<image008.jpg>

<image010.jpg>

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From: Swan, Ian

Sent: Tuesday, May 4, 2021 4:20 PM

To: 'Tracey Ross' <traceyross@haisla.ca>; 'Candice Wilson' <CaWilson@haisla.ca>;
azinter@coreregulatory.com

Cc: Hicks, LeeAnn <LeeAnn.Hicks@BCOGC.ca>

Subject: Haisla - OGC Touch Base Meeting

Hi Tracey, Candice, and Amanda,

In preparation for our meeting on Thursday afternoon, I'm writing to share a few pieces of information which will inform some of the topics we'll be discussing.

Firstly, attached to this email are three documents which summarize the status of the Commission's Leave to Construct, Leave to Operate, and Exemption Request processes for the LNG Canada Facility Project. Suzanne and Josh will be available to speak to this information on Thursday but wanted you to have the opportunity to review ahead of time.

Secondly, please see below a summary of the current LNGC and CGL application referrals currently open for consultation with Haisla Nation:

LNGC

- AMS# 100113397 - Changes In and About a Stream (*Water Sustainability Act* - Section 11)
 - This application proposes to improve flow through a Kitimat River Side Channel intake (i.e., culvert three) which supplies water to offset habitat. Works will include the removal of a large woody debris pile that is diverting flows away from the culvert intake and, if required, redistribution of bedload (which has accumulated in front of the culvert) to allow for flow through the intake.

CGL

- AMS# 100112771 – Changes In and About a Stream (*Water Sustainability Act* - Section 11)
 - Referred to Haisla on February 8, 2021
 - This application proposes two permanent stream diversions at the top of Cable Crane Hill; diverting one NCD stream into another NCD stream and diverting one S6 channel into an existing S5 drainage. These diversions are required to eliminate the watercourse

crossing near the top of a long, longitudinal slope, which will significantly reduce erosion risks. If the channel was left as-is and reinstated after pipeline installation, there is a small, but higher than tolerable, risk of water migrating from this channel into the trench and eroding the trench material, causing an environmental and pipeline integrity issue.

- AMS# 100112840 – Short Term Water Use (*Water Sustainability Act* - Section 10) and Changes In and About a Stream (*Water Sustainability Act* - Section 11) -
 - Referred to Haisla on February 24, 2021
 - This application proposes construction activities in and around an unnamed lake in the Kitimat River watershed, approximately 40 km east of Kitimat. CGL has indicated that this unnamed lake has a riparian class of L3 and is considered non-fish bearing as it is above three waterfall obstacles that have been documented as non-fish bearing. The application includes two (2) proposed points-of-diversion (POD) and nine (9) Changes In and About a Stream locations, which are proposed to work in conjunction to lower the level of the lake to allow for in-filling and pipeline construction activities to be done with as minimal risk as possible.
- AMS# 100112864 – Short Term Water Use (*Water Sustainability Act* - Section 10)
 - Referred to Haisla on February 24, 2021
 - This application proposes to withdraw water from a S2 stream (unnamed tributary to Hirsch Creek), approximately 20km east of Kitimat (near KP 638), for the purpose of hydrostatic testing of the pipeline.
- AMS# 10013045 – Short Term Water Use (*Water Sustainability Act* - Section 10)
 - Referred to Haisla on March 18, 2021
 - Proposed water withdrawal from one (1) POD in the Kitimat River to access water to facilitate construction of the pipeline project. The proposed POD location was previously permitted by the Commission in June 2019 under AD 100107298, however, the work was postponed as a result of COVID-19 and the BC Public Health Order. Therefore, CGL is reapplying for the POD location.
- AMS# 100113046 – Short Term Water Use (*Water Sustainability Act* - Section 10)
 - Referred to Haisla on March 18, 2021
 - Proposed water withdrawals from five (5) PODs in various watercourses within the Hirsch Creek watershed to access water to facilitate construction of the pipeline project. The proposed POD locations were previously permitted by the Commission in July 2019 under AD 100107299, however, the work was postponed as a result of COVID-19 and the BC Public Health Order. Therefore, CGL is reapplying for the POD locations.

If you have any questions or comments regarding any of the above information prior to our meeting on Thursday please don't hesitate to get in touch.

Look forward to talking soon.

Regards,
Ian

<image001.jpg>

Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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s17

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<image020.jpg>

<image021.jpg>

Keough, Dana

From: McNutt, Dawn
Sent: Tuesday, May 18, 2021 1:42 PM
To: O'Flaherty, Sandy; Nielsen, Angela C; Thomas, Sarah; Swan, Ian; Hicks, LeeAnn; Erickson-Fearon, Candace
Cc: Stark, Ryan
Subject: AD100112746 - Coastal GasLink Pipeline Ltd. - Permit
Attachments: AD100112746_PERMIT_2021MAY18.pdf

First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

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May 18, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100112746

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: May 18, 2021
Effective Date: May 18, 2021
Application Submission Date: March 12, 2021
Application Determination Number: 100112746
Approved Disturbance Footprint: 0.0 ha

ACTIVITIES APPROVED

Short Term Water Use No.: 0005893	Point of Diversion No.: 001, 002
--	---

GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

1. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.

CONDITIONS

Notification

2. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Clearing/Forest Act

3. 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005893
Approval Period – From: November 1, 2021, **To:** January 2, 2023

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Unnamed Lake (Clore River) - POD613
Type: Lake/Pond Purpose: Industrial & Storage Location (UTM): Zone 09 Northing 5989547, Easting 564336 Maximum Withdrawal Rate (m³/s): 0.03 Daily Withdrawal Volume (m³/day): 2550 Total Withdrawal Volume (m³): 5100	
Point of Diversion No.: 002	Water Source Name: Unnamed Tributary (Clore River) POD609
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 09 Northing 5991056, Easting 568260 Maximum Withdrawal Rate (m³/s): <ul style="list-style-type: none"> - April: 0.03 - May-August: 0.15 - September: 0.14 - October: 0.12 - November: 0.07 - December: 0.03 Daily Withdrawal Volume (m³/day): 12960 Total Withdrawal Volume (m³): 40000	

All authorizations for this activity are subject to the following conditions:

Short Term Water Use Conditions

4. No instream works are permitted under this authorization.
5. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
6. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
7. Water must not be diverted or withdrawn from any beaver pond.
8. Water withdrawal must not occur where:
 - a. stream discharge is less than 55 L/s;
 - b. the diversion will cause the stream discharge to fall below 55 L/s;
 - c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
 - d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
9. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.

10. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.
11. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
12. Water withdrawal from POD #1 is not authorized from December 01 to April 30.
13. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.
14. Water withdrawal from POD #2 is not authorized from January 01 to March 31.

ADVISORY GUIDANCE

1. Diversion Map - CGW4703-MCSL-G-MP-2790-POD_KP_609-Sketch-Rev0.pdf, Diversion Map - CGW4703-MCSL-G-MP-2785-POD_KP_613-Sketch-Rev0.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
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*.

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



Rebecca Bromba
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation

Keough, Dana

From: Swan, Ian
Sent: Friday, May 14, 2021 4:32 PM
To: Friedrich, Hardy; Mathews, Suzanne; Porter, Joshua; Scheck, Devin C; Butler, Rachel S; Stark, Ryan
Cc: Thoroughgood, Garth; Hicks, LeeAnn
Subject: Haisla - OGC Touch Base Meeting
Attachments: Haisla Nation_OGC_Meeting Minutes_2021MAY06_DRAFT.docx

Hi all,

Please find attached draft meeting minutes from our video conference with Haisla Nation last week for your review.

If there are any edits or corrections to be made please don't hesitate to get in touch.

Thanks,
Ian



Ian Swan
First Nations Liaison Officer
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s16
Pages: 425-427

Keough, Dana

From: Hicks, LeeAnn
Sent: Tuesday, May 11, 2021 8:26 AM
To: Thomas, Sarah; Nielsen, Angela C
Cc: Stark, Ryan; First Nations Referrals
Subject: AMS# 100113461 - Coastal GasLink Pipeline Ltd. - Section 11 - SOE Report
Attachments: SOE Report_2021MAY11.pdf

Good morning,

Please find attached the SOE report submitted by Coastal GasLink Pipeline Ltd for a Section 11 Changes In and About a Stream. Coastal GasLink Pipeline Ltd. (Coastal GasLink) will construct and operate a natural gas pipeline from the area near the community of Groundbirch (about 40 km west of Dawson Creek, British Columbia [BC]) to the LNG Canada Development Inc. (LNG Canada) liquefied natural gas (LNG) export facility (LNG Canada export facility) near Kitimat, BC.

This section 11 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. A stream with the Crossing ID as 8134, was identified through field verification as an NCD and currently intersects the Project footprint. Coastal GasLink requires this Section 11 in order to work within and to divert the NCD stream into a nearby S6 stream (Crossing ID of 597). This diversion will occur on the north side of the RoW and will accommodate construction grading and ROW development aiding overall water management at this location. The diversion plans are to isolate and open cut as this is the most efficient installation method based on the location, timing, and project schedule.

Impacted First Nations:

Office of the Wet'suwet'en
Skin Tyee Nation
Wet'suwet'en First Nation

Thank you,
Lee Ann



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

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First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission's website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
SKE_MOR_1541	No value		0

Non Legal Planning Features

Plan Name	Objective	Type	Name
Morice Land and Resource Management Plan	Ecosystems of Cultural Significance		YES
Morice Land and Resource Management Plan	Morice Water Management Area		Water Mgmt Area
Morice Land and Resource Management Plan	Grizzly Bear Management Areas		Remote GB Management Zone
Morice Land and Resource Management Plan	Caribou Habitat Management Areas		Caribou_connect

Legal Planning Objectives

Plan Name	Objective	Name	Value
Morice Land and Resource Management Plan	High Biodiversity Emphasis Areas	HBEA	Thautil / Gosnell

Plan

Strategic Land and Resource Plans

Plan Name

Morice Land and Resource Management Plan

Provincial ID

15

Plan Status

Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Carrier Sekani Tribal Council

Wet'suwet'en Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
	Extirpated		

Wildlife Management

Trapline Boundaries

Trapline Area Identifier

TR0609T023

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
6-283	Data sensitive	FRPA;OGAA	The WHA as shown is not a legal boundary. For the exact location of the WHA, contact Chris Schell at Chris.Schell@gov.bc.ca.

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Pinus albicaulis	Whitebark Pine	Proposed		

Layers Queried Successfully

Parks, Ecological Reserves, and Protected Areas	Areas Established by the Commission	Muskwa Kechika Management Area
First Nations Cultural Areas (Confidential)	First Nations Consultation Boundaries - Internal (Confidential)	Petroleum Titles
First Nation Consultation Areas (Confidential)	Crown Land Leases - Non Agriculture	Water Management Basins
Crown Land Leases - Agriculture	Crown Land Reserves and Notations	Critical Habitat for Federally-Listed Species at Risk - Posted
Wildlife Habitat Areas - Proposed	Strategic Land and Resource Plans	Ungulate Winter Range - Proposed
Ungulate Winter Range - Approved	Legal Planning Objectives	Wildlife Habitat Areas - Approved
Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline	Caribou Herd Locations for BC
Endangered Species and Ecosystems - Non Sensitive Occurrences	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: Swan, Ian
Sent: Tuesday, May 11, 2021 3:41 PM
To: s19
Cc:
Subject: RE: C&E Update for Haisla Nation

s19
Hey

Thanks for checking in. No questions from Haisla regarding C&E so no follow-up at the moment. Unfortunately, Tracey wasn't able to participate in the meeting s22
Tracey has been the person in the past who's been curious about C&E updates.

Thanks again for your input. I'll let you know if there's any C&E follow-up once I've talked with Tracey next.

Cheers,
Ian



Ian Swan
First Nations Liaison Officer
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From: s19
Sent: Tuesday, May 11, 2021 2:40 PM
To: Swan, Ian <Ian.Swan@bcogc.ca>
Cc: s19
Subject: RE: C&E Update for Haisla Nation

Good afternoon Ian,

How did the meeting go last week?

Any comments, follow up?

Thanks,



s19

From s19
Sent: Friday, April 30, 2021 2:20 PM
To: Swan, Ian <Ian.Swan@BCOGC.ca>
Cc: s19
Subject: C&E Update for Haisla Nation

Afternoon Ian,
s19

developed a quick summary to pass on to Haisla for next weeks meetings.

Here's a quick summary of our inspection activities from the last year (April 30th to April 30th) in Section 8 (this does include some non-Haisla territory) of CGL and LNGC:

- 30 inspections completed in total
 - o 21 Coastal GasLink
 - o 9 LNG Canada
- 4 of these were aerial reviews of CGL completed for section 8
- Total deficiencies written: 2 for CGL, 2 for LNGC.
 - o LNGC= Erosion and sediment control issues on the facility road.
 - o CGL= Erosion and sedimentation issues.
- Howard was included when we were able to include him, subject to his availability, but COVID played a large role, especially in 2020
- Inspections were also generally reduced due to COVID (early 2020 were not allowed out in the field, and then could not enter LNGC for a few months during COVID outbreak on site).

Anything else please let us know,

Thanks,



s19

Keough, Dana

From: Thomas, Sarah
Sent: Monday, May 10, 2021 11:48 AM
To: Hicks, LeeAnn; Nielsen, Angela C
Cc: Stark, Ryan
Subject: RE: RE: AMS# 100113306 - Coastal GasLink Pipeline Ltd. - Pipeline Amendment - SOE Report
Attachments: Referral Letter_2021MAY_100113306.docx

Good morning all,

Please see the attached referral letter.

I reviewed the attached documentation and the Construction Plan and maps are from the original application so they do not reflect the additional proposed multi-use area and the footprint is the original. It does not include the new 4+ha. I checked WHISTLER and the shapefiles reflect the new area.?

s13

Cheers

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Sent: Friday, May 7, 2021 8:06 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@bcogc.ca>; O'Flaherty, Sandy <Sandy.O'Flaherty@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: AMS# 100113306 - Coastal GasLink Pipeline Ltd. - Pipeline Amendment - SOE Report

Good morning,

Please find attached the SOE Report submitted by Coastal GasLink Pipeline Ltd. for a Pipeline Amendment. This application is regards adding additional storage space for Area C and newly identified stream crossing (NCD) on permitted Area A (AMS# 100105840).

Impacted First Nations:

Carrier Sekani Tribal Council
Office of The Wet'suwet'en
Skin Tye Nation
Wet'suwet'en First Nation

Sincerely,
Lee Ann



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5277
F. 250-794-5390



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s13
Pages: 438-440

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission's website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Kalum Land and Resource Management Plan	Grizzly Bear Population Units		Bulkley-Lakes

Legal Planning Objectives

Plan Name	Objective	Name	Value
No value	No value	No value	No value

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Kalum Land and Resource Management Plan	21	Approved
Kalum Sustainable Resource Management Plan	18	Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Carrier Sekani Tribal Council

Wet'suwet'en Nation

Tantalus**Crown Land Reserves and Notations**

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name
No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor General Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology**Endangered Species and Ecosystems - Non Sensitive Occurrences**

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory**Caribou Herd Locations for BC**

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
	Extirpated		

Wildlife Management**Trapline Boundaries**

Trapline Area Identifier
TR0609T033

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Pinus albicaulis	Whitebark Pine	Proposed		

Layers Queried Successfully

Parks, Ecological Reserves, and Protected Areas	Areas Established by the Commission	Muskwa Kechika Management Area
First Nations Cultural Areas (Confidential)	Petroleum Titles	First Nations Consultation Boundaries - Internal (Confidential)
Crown Land Leases - Non Agriculture	First Nation Consultation Areas (Confidential)	Crown Land Leases - Agriculture
Water Management Basins	Crown Land Reserves and Notations	Critical Habitat for Federally-Listed Species at Risk - Posted
Strategic Land and Resource Plans	Legal Planning Objectives	Wildlife Habitat Areas - Proposed
Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved	Wildlife Habitat Areas - Approved
Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline	Caribou Herd Locations for BC
Endangered Species and Ecosystems - Non Sensitive Occurrences	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: OGC Compliance & Enforcement
Sent: Wednesday, May 5, 2021 10:26 AM
To: O'Neill, Sean; s19
Subject: FW: New Contractor for Section 8 West



Christine Whitford
Specialist, Enforcement
Christine.Whitford@BCOGC.ca

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From: Dan Wyman <dan_wyman@tcenergy.com>
Sent: Wednesday, May 5, 2021 9:59 AM
To: Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Smook, Patrick <Patrick.Smook@bcogc.ca>; Parks, Chris EAO:EX <Chris.Parks@gov.bc.ca>; Hoyle, Meaghan EAO:EX <Meaghan.Hoyle@gov.bc.ca>; Smith, Clayton H EAO:EX <Clayton.H.Smith@gov.bc.ca>; Tom Hicks <thicks@ecofishresearch.com>; Lead IESCA <LeadIESCA@ecofishresearch.com>; Phillips, Lori L <Lori.Phillips@bcogc.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>; EAO Compliance EAO:EX <eao.compliance@gov.bc.ca>; OGC Compliance & Enforcement <cande@bcogc.ca>
Cc: Tracy Young <tracy_young@tcenergy.com>; Joel Forrest <joel_forrest@tcenergy.com>; Autumn Cousins <autumn_cousins@tcenergy.com>; Tom Syer <tom_syer@tcenergy.com>
Subject: CGL: New Contractor for Section 8 West

Good morning all,

As many of you know, Coastal GasLink continually evaluates the performance of the Prime Contractors throughout the Project. As a result of this ongoing process, Coastal GasLink has decided to bring in a new contractor partnered with a local First Nation to take over construction of the western part of Section 8. The Ledcor Haisla Limited Partnership (LHLP) will now lead construction work on the west half of Section 8, while Macro Spiecapag Joint Venture (MSJV) will continue to lead construction work on the east half of Section 8. The division point between these contractors will be just east of icy pass at approximately KP 612+700. The transition from MSJV to LHLP will occur throughout the month of May.

If you have any questions on this change, please feel free to send them to myself or Tracy. We'll also open some time during tomorrow's liaison call to discuss any questions folks may have. Public notifications regarding this change are expected to be rolled out to local governments, Indigenous groups and other stakeholders over the next week.

-Dan

Keough, Dana

From: Anderson, Justin
Sent: Wednesday, May 5, 2021 10:11 AM
To: Thomas, Sarah; Bourke, Jacqueline
Subject: FW: CGL Section 8 Leave Request WHA 6-333
Attachments: CGL4703-CGP-REG-LEAVRQ-0108.pdf; OGC leave form Sec 8 WHA .pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Wednesday, May 5, 2021 9:52 AM
To: Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>
Subject: FW: CGL Section 8 Leave Request WHA 6-333



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Tuesday, May 4, 2021 3:47 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: CGL Section 8 Leave Request WHA 6-333

Please find attached a request for leave to Condition 41 of the Section 8 Pipeline Permit (AD# 100084230) to proceed with clearing within Wildlife Habitat Area (WHA) 6-333 between May 15 and July 15..

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile

TCEnergy.com

s22

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Thank you

May 4, 2021

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0108

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Condition 41**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8, Condition 41 – clearing in WHA 6-333 between May 15 and July 15.

Coastal GasLink has engaged with Ministry of Forests, Lands, Natural Resource Operations and Rural Development regarding continuation of construction activities including clearing within the WHA 6-333 during the period of May 15 and July 15 and they agreed that construction activities could proceed with implementation of mitigation that is detailed in the attached leave request.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to May 15, 2021.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests “Leave of the Commission” for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

41. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within WHA 6-333 between May 15 and July 15.

1.1 REASON FOR REQUEST

The revision G route (Rev G) of the Coastal GasLink pipeline right-of-way (ROW) and associated footprint, within the approved Environmental Assessment and OGC construction corridor, located in Section 8 at approximately KP 587+710 to 592+880 overlaps with the Wildlife Habitat Area (WHA) 6-333 (see Appendix A: Maps).

Much of the ROW has been cleared through the WHA however specific areas e.g. temporary workspace, watercourse crossings, challenging terrain, etc. within the WHA remain uncleared due to environmental or regulatory restrictions. Although Coastal GasLink is committed to completing clearing activities within WHA 6-333 prior to May 15, additional site assessments e.g. watercourse, wetland, whitebark pine and/or archaeology, must occur in snow free conditions and are required prior to clearing. It is unlikely that these assessments can be completed prior to May 15. Coastal GasLink requires leave of the Commission to complete clearing in this area to be able to progress to the next phase of construction and avoid an impact to the project’s overall schedule.

Coastal GasLink has engaged with Ministry of Forests, Lands, Natural Resource Operations and Rural Development regarding continuation of construction activities including clearing within the WHA 6-333 during the period of May 15 and July 15 and they agreed that construction activities could proceed with the implementation of the mitigation noted in Section 3.0 and in the Coastal GasLink Environmental Management Plan (EMP).

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

The construction corridor routing through this WHA is constrained by multiple terrain features including river valleys and mountain passes. The routing has followed the route selection criteria which includes include minimizing the total route length, or footprint of the project, and the potential adverse effects on landowners, land users

and the environment. There is also consideration for technical components such as design and constructability.

This area is constrained by many major features which requires multiple working fronts to be active simultaneously to balance all the constraints and considerations through this area. Due the linear nature of pipeline construction, and the constrained working area, the right-of-way must be cleared, and access established in specific areas in advance of subsequent work fronts working in areas beyond. The right-of-way and access must be developed to a state that supports the safe construction of the pipeline while managing all known constraints and considerations to minimize potential adverse effects.

2.2 ENVIRONMENTAL EFFECT

Construction Section 8 is located entirely outside of the delineated Telkwa herd range boundary but crosses the Core Area of the Telkwa caribou WHA 6-333 between approximately KP 587+700 and 592+900. Temporary construction access (shoo-fly RW-300.0 [BC OGC permit 100084230]) is also located within WHA 6-333.

Telkwa caribou spend most of the year at high elevations. They do not migrate, though they may move from high elevation habitats to lower elevation forests in response to food availability or weather conditions and some individuals move between the east and west ranges of the Telkwa mountains (BC MFLNRORD n.d.). A study of Telkwa caribou habitat use during the calving period of May to July reported that cows with calves stayed at significantly higher elevations (mean elevation 1623 m above sea level [asl]; range 991 m asl to 2062 m asl) during the calving period than cows without calves (mean elevation 1493 m asl; range 683 m asl to 1902 m asl) (Stronen 2000). This aligns with other reporting that Telkwa caribou calve at high elevations (BC MFLNRORD 2017, as cited in BC MFNLRORD n.d.). The elevation of the Coastal GasLink ROW through WHA 6-333 is approximately 852 m asl to 1073 m asl, which is the lower elevational range at which caribou cows with calves may occur during the calving and early rearing period.

Following meetings on July 9 and August 12, 2020, BC MFLNRORD's wildlife biologists reviewed available data for the Telkwa caribou herd relative to the anticipated Project locations and schedule and provided a summary of their review and recommended mitigation. The BC MFLNRORD data review concluded that there is a low probability of Telkwa caribou using the area in proximity to Construction Section 8 during the January 15 to July 15 timing window.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures outlined in the EMP to avoid or reduce potential environmental adverse effects during construction of the Project.

Coastal GasLink will implement the following applicable mitigation measures to avoid or reduce the potential adverse effect of sensory disturbance to Telkwa caribou during the sensitive calving and early rearing period of May 15 to July 15.

- Recreational use of all-terrain vehicles or snowmobiles by Project personnel on the Project footprint and Project access will be prohibited.
- Multi-passenger vehicles will be used, wherever practical, to transport crews to and from job sites.
- Winter speed limits of 80 km/hr on high grade roads and 60 km/hr on secondary roads in UWRs and WHAs will be posted, unless otherwise directed by an applicable transportation authority.
- Project personnel will be prohibited from having pets on the Project.
- Construction materials (e.g., cables, wires and fencing) will be properly stored to avoid potential hazards for wildlife.
- Harassment or feeding of caribou or other wildlife by Project personnel will not be tolerated.
- Recreational hunting/shooting/firearms will not be permitted on the work site.
- Low elevation helicopter and fixed wing flights over UWR and WHA within the Certified Pipeline Corridor will be conducted in accordance with timing restrictions and recommended minimum separation distances specified in the Compendium of Wildlife Guidelines for Industrial Development Projects in the North Area, British Columbia as recommended by BC MFLNRORD.
- Confine all motorized vehicle traffic, including ATV, Argo and snowmobile traffic, to the approved route, access roads or trails, except where specifically authorized by the appropriate authority.
- Access to the Project footprint will be restricted during construction to those specifically given authority (e.g., staff and contractors).
- Flag and sign all access points to the ROW to discourage public use.
- Speed limits will be established and enforced on all access used for the Project, per the Traffic Control Management Plan and the contractor's Traffic Management Plan. Generally, post winter speed limits of 80 km/hr on high grade roads and 60 km/hr on secondary roads in UWRs, unless otherwise directed by an

applicable transportation authority (i.e., adhere to the posted speed limit for a road if it is less than these speeds).

- Multi-passenger vehicles will be used to transport workers to and from job sites. Copies of the CMMP and associated documents will be made available to key Project construction and contractor staff during construction.
- Personnel working on site will be made aware of Coastal GasLink’s commitment to caribou conservation and the requirements outlined in this CMMP. Education and awareness will be conducted at various onsite meetings (i.e., kick-off meeting, Project orientation and daily tailgate meetings when working in caribou range).
- Site-specific construction measures will be emphasized at onsite meetings and provided on the Environmental Worksheets.
- Signage and bulletins will be posted at the Project trailers, alerting workers to the sensitivities associated with working in caribou range.
- The Environmental Inspector will ascertain that caribou protection measures are implemented during Project construction, and a Qualified Professional will supervise the implementation.
- Communicate to construction personnel the locations where wildlife are repeatedly observed, and the expectations of following speed limits along the Project access and construction footprint.
- Coastal GasLink and the Environmental Inspector(s) will liaise with appropriate government agencies.
- Wildlife sighting information will be reported to BC MFLNRORD.
- Coastal GasLink personnel and contractors will record all caribou sightings during construction and operation. Sightings will be compiled by the Environmental Inspector.
- If caribou are encountered on the road, on the ROW or within approximately 200 m of the ROW (where visibility allows), vehicles/equipment will be stopped with engine off and lights dimmed or off, and remain stopped until the caribou moves off the road or ROW to a distance more than approximately 200 m away (as visibility allows). Project personnel will not harass or attempt to move or scare caribou off the road and will not use vehicle horns or other alarms as scare tactics. Once the animal has moved more than approximately 200 m off the road or ROW (as visibility allows), the vehicle/equipment will wait about five minutes and then proceed with caution, moving slowly (maximum 25 km/h) past the area where the animal was observed.

- If caribou are encountered more than approximately 200 m from the road or ROW (as visibility allows), Project personnel will slow down (maximum 50 km/h) and proceed with caution. Others working nearby will be advised that there are caribou in the area.
- If an injured caribou is encountered, the sighting will be reported to the Environmental Inspector who will contact BC MFLNRORD and the Conservation Officer Service to discuss appropriate options.
- Any incidents with wildlife or collisions with wildlife will be reported by the Environmental Inspector to BC MFLNRORD.

4.0 CONCLUSION

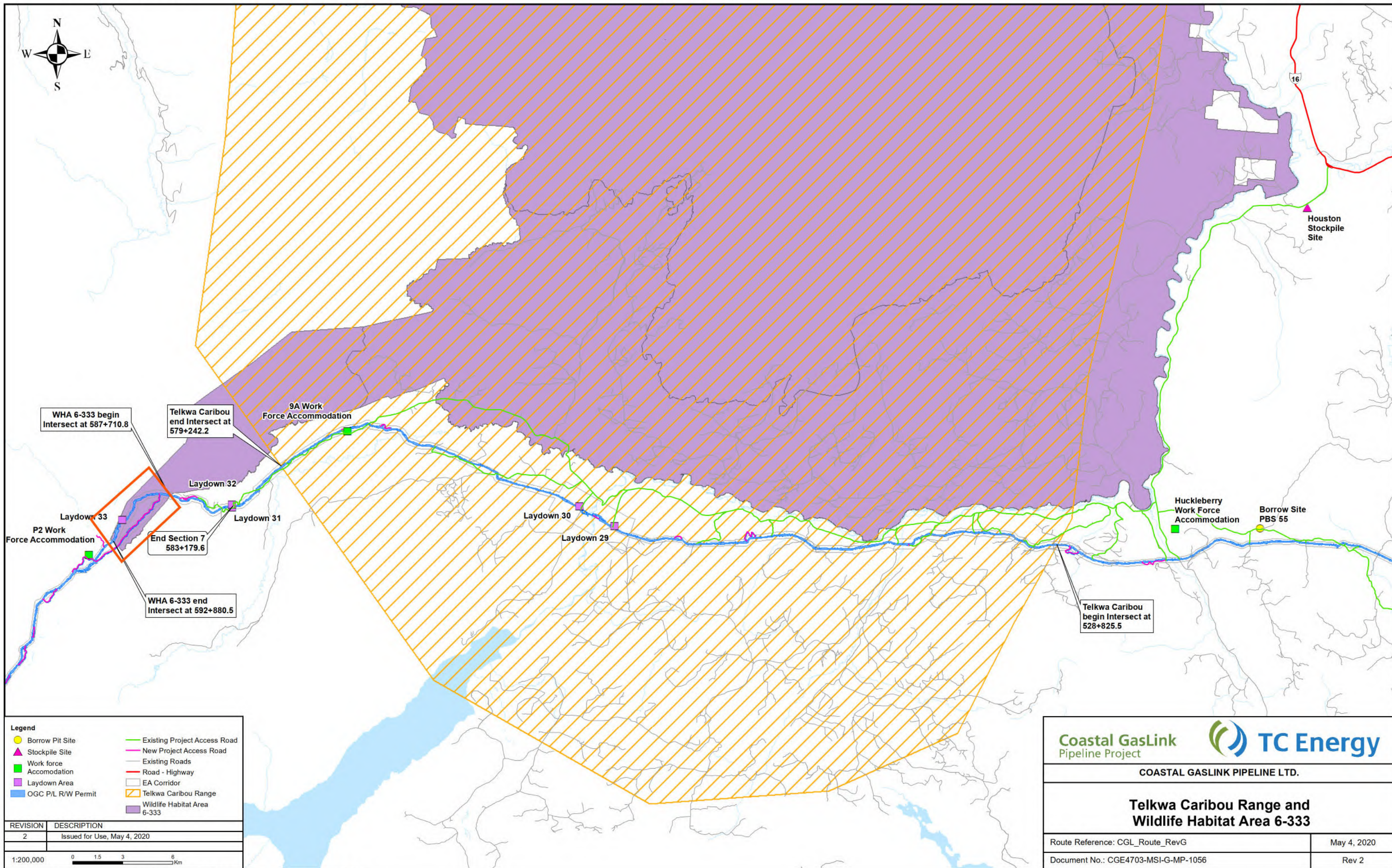
With implementation of the mitigation summarized in Section 3 and considering the limited potential for caribou to be using the habitat in proximity to the Project, the residual adverse effects and cumulative adverse effects of sensory disturbance to caribou are predicted to be reduced to low or negligible levels.

5.0 REFERENCES

British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development (BC MFLNRORD). n.d. Draft Woodland Caribou Plan Telkwa Subpopulation, Telkwa Local Population Unit. ii + 23 pp.

BC MFLNRORD. 2017. South Skeena caribou strategy - a plan to support the conservation and management of the Telkwa, Tweedsmuir-Entiako and Takla caribou herds. Smithers, BC.

Stronen, A. V. 2000. Habitat selection and calf survival in the Telkwa Caribou herd, British Columbia 1997-2000 (Unpublished master's thesis). University of Calgary, Calgary, AB.



Legend

Borrow Pit Site	Existing Project Access Road
Stockpile Site	New Project Access Road
Work force Accommodation	Existing Roads
Laydown Area	Road - Highway
OGC P/L R/W Permit	EA Corridor
	Telkwa Caribou Range
	Wildlife Habitat Area 6-333

REVISION	DESCRIPTION
2	Issued for Use, May 4, 2020

1:200,000

COASTAL GASLINK PIPELINE LTD.	
Telkwa Caribou Range and Wildlife Habitat Area 6-333	
Route Reference: CGL_Route_RevG	May 4, 2020
Document No.: CGE4703-MSI-G-MP-1056	Rev 2

M:\projects\2012\IB-0007-12\MAPPING\OVERVIEW_MAP\MXD\CGE4703-MSI-G-MP-1056_TelkwaCaribouRange_Rev2_2020_04_30.mxd



LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.: CGL4703-CGP-REG-LEAVRQ-0108	
APPLICATION INFORMATION		C
Surface Location: Section 8 see attached map		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 <i>41. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within WHA 6-333 between May 15 and July 15.</i>	
Rationale for Request	Majority of the ROW has been cleared however discrete areas e.g. temporary workspace, watercourse crossings, etc. within this zone remain uncleared due to environmental or regulatory restrictions. Clearing is required within the WHA to facilitate construction of the Coastal GasLink Pipeline Project and will need to be conducted during the restricted period outlined in Condition 41. More details are provided in the attached document.	
Desired Date of Request Completion	May 15, 2021 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D								
Ensure the following are attached to the application for First Nations engagement purposes:										
First Nations	Attachments									
Carrier Sekani Tribal Council	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)									
Office of the Wet'suwet'en – see attachment	<input checked="" type="checkbox"/> Leave of Commission Form									
Wet'suwet'en First Nation- see attachment	<input checked="" type="checkbox"/> Any documents provided to support Leave Request									
Skin Tyee First Nation – see attachment										
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request on April 30, 2021										
WORKS IN AND ABOUT A STREAM										
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No										
Crossing Number		<input type="checkbox"/> N/A								
Crossing Number		E								
Crossing	UTM Zone	UTM Location	Stream / Waterbody Name	Rip area	Bank	Stream	FHA	Temporary or	Stream Crossing Methods	Does the crossing type

g Nu m b e r									Permanent Crossing (T/P)	Bridge	Major Culvert	Ice Bridge	Other (please, indicate)	meet the peak flow requirements (Y/N) If no, provide justification.
		N												
		E												
		N												
		E												
		N												
		E												
		N												

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------


Attach any documentation that will support a Commission Review:

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:

(Print Name)



AUTHORIZED SIGNATORY OF APPLICANT COMPANY

2021/05/04
 DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

s16

Pages: 458-474

Keough, Dana

From: s19
Sent: Monday, May 3, 2021 11:55 AM
To: 'Smith, Clayton H EAO:EX'
Cc: Parks, Chris EAO:EX s19
Subject: RE: May 3-7 CGL site inspections potential overlap

Thanks Clayton, I appreciate the email.

Sorry for the delay in responding I did not get approval for our trip until late last week. Here is where we will be this week.

s19

May see you out there!



s19

From: Smith, Clayton H EAO:EX <Clayton.H.Smith@gov.bc.ca>
Sent: Monday, April 26, 2021 6:43 AM
To: s19
Cc: Parks, Chris EAO:EX <Chris.Parks@gov.bc.ca>
Subject: RE: May 3-7 CGL site inspections potential overlap

s19

Good morning

This week EAO C&E will be in Sections 1 and 2 on Tuesday and Wednesday respectively. On Thursday, I will be conducting a helicopter flight out of PG across the line from roughly KP 60 to 220, at the same time Chris Parks will be flying the line out of Smithers heading west to roughly Icy Pass. Our exact inspection locations over the week of May 3-7 have not been confirmed but we do expect to start our inspection on Monday May 3 in the Burns Lake area with the

tentative plan of working west from there the remainder of the week. We are unlikely to be conducting an inspection in the Kitimat area during our field time over the next two weeks.

We have notified CGL of our inspection but at this time do not have plans to meet with CGL or Contractor staff while in the field.

Hopefully this info helps with your inspection planning. Feel free to reach out if you would like to discuss further.

Thanks and have a good week.

CLAYTON SMITH

Senior Compliance and Enforcement Officer

Environmental Assessment Office

Government of British Columbia

MOBILE s22

[Twitter.com/BC_EAO](https://twitter.com/BC_EAO)



The EAO respectfully acknowledges that it carries out its work on the traditional territories of Indigenous nations throughout British Columbia.

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s19

From:

Sent: April 21, 2021 3:31 PM

To: Smith, Clayton H EAO:EX <Clayton.H.Smith@gov.bc.ca>

Subject: May 3-7 CGL site inspections potential overlap

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Good afternoon Clayton,

Looking at the scheduler we may both be in the same areas at the same time for the week of May 3-7. For us this is just a proposed inspection at this time as we are still awaiting approvals for travel during COVID and access protocol discussions for Section 7 West and 8 East.

This is what I am looking at:

Coastal GasLink	April 2021																				
Inspection Tracker	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
	Thu	F	S	Su	M	T	W	Thu	F	S	Su	M	T	W	Thu	F	S	Su	M	T	
OGC Inspections																					
A						X	X	X	X											X	
B																					
C																					
D																					
E																					
EAO Inspections																					
Chris Parks																					
Lori Carter																					
Kyle Rice																					
Clayton Smith																					
Christie Lombardi																					
Giovanni Casponi																					
Colour Coding																					
Spread 1																					
Spread 2																					
Spread 3																					
Spread 4																					
Spread 5																					
Spread 6																					
Spread 7																					
Spread 8 (Kitimat access)																					
Spread 8 (Houston access)																					

Just curious if this plan is a go moving forward for the EAO, it looks a little odd going to 7 then 8 (Kitimat) then back to 8 (Houston). I can always adjust and move from West to East which would reduce the conflict significantly.

Let me know your thoughts,



Keough, Dana

From: McNutt, Dawn
Sent: Tuesday, April 20, 2021 10:56 AM
To: O'Flaherty, Sandy; Nielsen, Angela C; Thomas, Sarah; Swan, Ian; Hicks, LeeAnn; Erickson-Fearon, Candace
Cc: Stark, Ryan
Subject: AD100113015 - Coastal GasLink Pipeline Ltd. - Permit
Attachments: AD100113015_PERMIT_2021APR20.pdf

First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

Fort St John BC
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T. 250 794-5271
F. 250 794-5390



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April 20, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100113015

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: April 20, 2021
Effective Date: April 20, 2021
Application Submission Date: March 15, 2021
Application Determination Number: 100113015
Approved Disturbance Footprint: 0.0 ha

ACTIVITIES APPROVED

Short Term Water Use No.: 0005922	Point of Diversion No.: 001, 002
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GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

1. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Conditions

Notification

2. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Clearing/Forest Act

3. 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005922

Approval Period – From: June 1, 2021, **To:** November 30, 2022

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Unnamed Tributary - Burnie River (POD8a)
Type: Stream/River Purpose: Oil and Gas, Industrial & Storage Location (UTM): Zone 09, Northing 6003852, Easting 580587 Maximum Withdrawal Rate (m/s): 0.014m ³ /s Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	
Point of Diversion No.: 002	Water Source Name: Unnamed Tributary - Clore River (POD12a)
Type: Stream/River Purpose: Oil and Gas, Industrial & Storage Location (UTM): Zone 09, Northing 5991059, Easting 568264 Maximum Withdrawal Rate (m/s): 0.014m ³ /s Daily Withdrawal Volume (m³/day): 199 Total Withdrawal Volume (m³): 19,998	

All authorizations for this activity are subject to the following conditions:

Short Term Water Use Conditions

4. No instream works are permitted under this authorization.
5. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
6. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
7. Water must not be diverted or withdrawn from any beaver pond.
8. Water withdrawal must not occur where:
 - a. stream discharge is less than 55 L/s;
 - b. the diversion will cause the stream discharge to fall below 55 L/s;
 - c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
 - d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
9. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.
10. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.

11. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
12. Water withdrawal from POD's #1 & 2 are not authorized from January 01 to March 31.
13. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

ADVISORY GUIDANCE

1. Diversion Map - t8282_OGC_5k_POD_Section10_A.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
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*.

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



Rebecca Bromba
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation

April 19, 2021

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100112274

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: April 19, 2021
Effective Date: April 19, 2021
Application Submission Date: March 24, 2021
Application Determination Number: 100112274
Approved Disturbance Footprint: 2.713 ha

AUTHORIZED ACTIVITIES

Road Number No.: 06075	Segment No.: 001
Associated Oil & Gas Activity No.: 00212308, 00212309, 00212310, 00212311	Type: Workspace
Changes In and About a Stream: 0006695,	

GENERAL PERMISSIONS, AUTHORIZATIONS AND CONDITIONS

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission, under section 25 (1) of the *Oil and Gas Activities Act*, hereby permits the permit holder referenced above to carry out the following activities, indicated in the Authorized Activities table above, subject to the conditions contained herein, any applicable exemptions and authorizations:
 - a. To construct, maintain and operate an oil and gas road as detailed in the Activity Details tables below.
2. The permissions and authorizations granted under this permit are limited to the area identified in the spatial data submitted to the Commission in the permit application as identified and dated above; herein after referred to as the 'activity area'.

Petroleum and Natural Gas Act

3. Pursuant to section 138(1) of the *Petroleum and Natural Gas Act*, the permit holder is permitted to enter, occupy and use any unoccupied Crown land located within the activity area to carry out the oil and gas activities and related activities permitted, or authorized herein.
 - a. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area.

- b. The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

AUTHORIZATIONS

Forest Act

4. 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 permits associated with the Master Licence(s) as follows:

Master Licence to Cut No.: M02616
Cutting Permit No.: 29
Timber Mark No.: MTD268
Total New Cut: 2.712
Forest District: (DND) Nadina Natural Resource District
Region: Interior

5. The cutting permits 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

6. 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.
7. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

General

8. The rights granted by this permit in relation to unoccupied Crown land 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.
9. The permit holder must not assign, sublicense or permit any person other than its employees, contractors or representatives, to use or occupy any Crown land within the activity area without the Commission's written consent.
10. The permit holder must ensure that any Crown land within the activity area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
11. The permit holder must ensure that any Crown land within the activity area is maintained free of garbage, debris and derelict equipment.

Environmental

12. Construction activities must not result in rutting, compaction or erosion of soils that cannot be reasonably rehabilitated to similar levels of soil productivity that existed on the activity area prior to the construction activities taking place.
13. Any temporary access must be constructed and maintained in a manner that provides for proper surface drainage, prevents pooling on the surface, and maintains slope integrity.

Clearing/Forest Act

14. 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.

15. 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.
16. 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.
17. All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.
18. 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.
19. *Stumpage for Cutting Permit No. 29 will be calculated in accordance with the Interior Appraisal Manual as amended from time to time.*

Water Course Crossings and Works

20. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
21. In-stream activities within a fish bearing stream, lake or wetland must occur:
 - a. during the applicable reduced risk work windows as specified in the Skeena Region - Reduced Risk Work Windows;
 - b. in accordance with alternative timing and associated mitigation recommended by a Qualified Professional and accepted by the Commission; or
 - c. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
22. At any time, the Commission may suspend instream works authorized under this permit. Suspensions on instream works will remain in place until such time as the Commission notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
23. Equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.
24. Following initial construction, stream crossings are authorized for necessary road modification or maintenance activities on the activity area except for:
 - a. construction or replacement of a bridge or major culvert on a S1, S2, S3 or S5 stream;
 - b. installation of a closed bottom structure in a fish bearing stream;
 - c. excavation or grading of a stream bank or stream bed;
 - d. works within a Temperature Sensitive Stream established by order under s. 27 of the Environmental Protection and Management Regulation; or
 - e. works within a Fisheries Sensitive Watershed established by order under section 28 of the Environmental Protection and Management Regulation.
25. Stream crossings for roads must be constructed, maintained and deactivated according to the following requirements, as applicable:
 - a. only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings;
 - b. snow fills must consist of clean snow and may only be located on streams that are dry or frozen to the bottom during the period of construction, maintenance and use. Where periodic thaws are anticipated, culverts must be installed to allow meltwater to pass through. Snow fill and any installed culverts must be removed prior to spring snow melt;
 - c. ice bridges on fish bearing streams may only be constructed where sufficient water depth and stream flows prevent the bridge structure from coming in contact with the stream bottom;

- d. water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless:
 - i. the water body is a stream with a stream channel width of at least 5 metres and is not designated as a sensitive stream under the *Fish Protection Act*, or has a riparian class of W1, W3, or L1,
 - ii. the water is sourced from the same water body proximal to the location on which the ice bridge is constructed,
 - iii. the water body is not within the boundaries of a public park,
 - iv. pump intakes do not disturb beds of streams or wetlands except as necessary for the safe installation and operation of equipment, and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline, and
 - a. where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs; or
 - b. where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm.
 - e. bridge or culvert abutments, footings and scour protection must be located outside the natural stream channel and must not constrict the channel width.
26. Wetland crossings must be constructed, maintained and removed in accordance with the following:
- a. organic cover within and adjacent to the wetland must be retained;
 - b. minimize erosion or release of sediment within the wetland;
 - c. any padding materials must be placed on the wetland surface only and must not be used for infilling;
 - d. any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and
 - e. the wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.

Archaeology

27. If an artifact, feature, material or thing protected under the *Heritage Conservation Act* is identified within the activity area, the permit holder must, unless the permit holder holds a permit under Section 12.4 of the *Heritage Conservation Act* issued by the BC Oil and Gas 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 BC Oil and Gas Commission; and
 - c. Resume work in the vicinity of the artifacts, features, materials or things in accordance with direction from the BC Oil and Gas Commission.
28. Prior to the commencement of construction activities the permit holder must:
- a. Complete an archaeological assessment of the activity area in accordance with applicable requirements of the *Heritage Conservation Act*, and
 - b. Complete and submit to the BC Oil and Gas Commission an acceptable report on the results of the assessment.
29. If the report required under the condition above recommends any further assessment work on an area, the permit holder must not begin construction activities on that area until the further assessment is completed.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

ROAD

Land Area Number: 100016146
Road Number: 06075 **Road Type:** Long-Term - All-Weather

ACTIVITY DETAILS

Seg No.: 001	Zone: 09 From: N 5990927.122 E 569251.025 To: N 5990927.836 E 568967.56
---------------------	--

All permissions for this activity are subject to the following conditions:

Road Conditions

30. The permit holder will immediately effect, and keep in force 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 liability claims arising from any accident or occurrence on the activity area.

ADVISORY GUIDANCE

1. Construction Plan - CGW4703-MCSL-G-MP-2742-RW-211.0-Sketch-Rev3.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
2. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the Commission's website.
3. Appropriate tenure may 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.

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



Jacqueline Bourke
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – CWL Energy Management Ltd.
First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation
Ministry of Forests District Office - (DND) Nadina Natural Resource District

Keough, Dana

From: Jeffrey, Lori
Sent: Monday, April 19, 2021 4:21 PM
To: Nielsen, Angela C; Erickson-Fearon, Candace; Hicks, LeeAnn; O'Flaherty, Sandy; Thomas, Sarah; Swan, Ian
Cc: Stark, Ryan
Subject: AA100112274 - Coastal GasLink Pipeline Ltd. - Road, AOGA, CIAS
Attachments: AD100112274_Permit_2021APR19.pdf

First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation



Lori Jeffrey
Application Review & Processing Technician
Lori.Jeffrey@BCOGC.ca

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Keough, Dana

From: Stark, Ryan
Sent: Thursday, April 15, 2021 4:03 PM
To: 'Mike Ridsdale'
Cc: 'David Dewit 'David.Dewit@wetsuweten.com''; Nielsen, Angela C
Subject: CGL Leave Request Information Packages - Section 8, Conditions 18, 20, 24
Attachments: Notification Letter_2021APR_OW.pdf

Good afternoon,

Please see the attached notification letter and associated documents regarding the Leave Request recently received by the BC Oil & Gas Commission from Coastal GasLink Pipeline Ltd.

If you have any questions, comments or concerns, please contact me directly at Ryan.Stark@bcogc.ca or by phone at 250-794-5287.

Sincerely,
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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s16
Pages: 489-491

Keough, Dana

From: Hicks, LeeAnn
Sent: Wednesday, April 7, 2021 2:12 PM
To: Swan, Ian
Subject: RE: Coastal GasLink - Application Referrals Summary

Ok, I just wanted to double check. Thank you.



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

Fort St John BC
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T. 250 794-5277
F. 250-794-5390



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From: Swan, Ian <Ian.Swan@bcogc.ca>
Sent: Wednesday, April 7, 2021 2:04 PM
To: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Subject: RE: Coastal GasLink - Application Referrals Summary

No comments from them yet, although when I spoke to Tracey on the phone last week we discussed the CGL files and she said she was going to follow-up with me once she'd talked with CGL about them (see attached email).

Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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F. 250-419-4403
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From: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Sent: Wednesday, April 7, 2021 1:30 PM
To: Swan, Ian <Ian.Swan@bcogc.ca>
Subject: RE: Coastal GasLink - Application Referrals Summary

Hi Ian,

Have you received any response from Haisla in regards to the below email?

Thanks
Lee Ann



LeeAnn Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

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T. 250 794-5277
F. 250-794-5390



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From: Swan, Ian <Ian.Swan@bcogc.ca>
Sent: Wednesday, March 24, 2021 9:26 AM
To: 'Tracey Ross' <traceyross@haisla.ca>; Candice Wilson <CaWilson@haisla.ca>; azinter@coreregulatory.com
Cc: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: Coastal GasLink - Application Referrals Summary

Good morning Tracey, Candice, and Amanda,

The Commission has referred a handful of applications related to the Coastal GasLink Pipeline Project (CGL) to Haisla Nation in the past couple months and I thought a quick summary email might be helpful to keep track of everything. Below is list of all CGL applications currently open for consultation with Haisla Nation:

CGL

- AMS# 100112771 – Changes In and About a Stream (*Water Sustainability Act* - Section 11)
 - This application proposes two permanent stream diversions at the top of Cable Crane Hill; diverting one NCD stream into another NCD stream and diverting one S6 channel into an existing S5 drainage. These diversions are required to eliminate the watercourse crossing near the top of a long, longitudinal slope, which will significantly reduce erosion risks. If the channel was left as-is and reinstated after pipeline installation, there is a small, but higher than tolerable, risk of water migrating from this channel into the trench and eroding the trench material, causing an environmental and pipeline integrity issue.
- AMS# 100112840 – Short Term Water Use (*Water Sustainability Act* - Section 10) and Changes In and About a Stream (*Water Sustainability Act* - Section 11)
 - This application proposes construction activities in and around an unnamed lake in the Kitimat River watershed, approximately 40 km east of Kitimat. CGL has indicated that this unnamed lake has a riparian class of L3 and is considered non-fish bearing as it is above three waterfall obstacles that have been documented as non-fish bearing. The application includes two (2) proposed points-of-diversion (POD)

and nine (9) Changes In and About a Stream locations, which are proposed to work in conjunction to lower the level of the lake to allow for in-filling and pipeline construction activities to be done with as minimal risk as possible.

- AMS# 100112864 – Short Term Water Use (*Water Sustainability Act* - Section 10)
 - This application proposes to withdraw water from a S2 stream (unnamed tributary to Hirsch Creek), approximately 20km east of Kitimat (near KP 638), for the purpose of hydrostatic testing of the pipeline.
- AMS# 10013045 – Short Term Water Use (*Water Sustainability Act* - Section 10)
 - Proposed water withdrawal from one (1) POD in the Kitimat River to access water to facilitate construction of the pipeline project. The proposed POD location was previously permitted by the Commission in June 2019 under AD 100107298, however, the work was postponed as a result of COVID-19 and the BC Public Health Order. Therefore, CGL is reapplying for the POD location.
- AMS# 100113046 – Short Term Water Use (*Water Sustainability Act* - Section 10)
 - Proposed water withdrawals from five (5) PODs in various watercourses within the Hirsch Creek watershed to access water to facilitate construction of the pipeline project. The proposed POD locations were previously permitted by the Commission in July 2019 under AD 100107299, however, the work was postponed as a result of COVID-19 and the BC Public Health Order. Therefore, CGL is reapplying for the POD locations.

I'd welcome the opportunity to discuss any questions or comments you may have regarding these CGL applications, at your earliest convenience. I have good availability all this week or next for a call to review and would be happy to coordinate a meeting based on your availability.

Please don't hesitate to get in touch anytime.

Regards,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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Keough, Dana

From: McNutt, Dawn
Sent: Wednesday, March 17, 2021 4:03 PM
To: O'Flaherty, Sandy; Nielsen, Angela C; Thomas, Sarah; Swan, Ian; Hicks, LeeAnn; Erickson-Fearon, Candace
Cc: Stark, Ryan
Subject: AD100112276 - Coastal GasLink Pipeline Ltd. - Permit
Attachments: AD100112276_PERMIT_2021MAR17.pdf

First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

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March 17, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100112276

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: March 17, 2021
Effective Date: March 17, 2021
Application Submission Date: March 4, 2021
Application Determination Number: 100112276
Approved Disturbance Footprint: 4.915 ha

AUTHORIZED ACTIVITIES

Road Number No.: 06074	Segment No.: 001
Changes In and About a Stream: 000669	

GENERAL PERMISSIONS, AUTHORIZATIONS AND CONDITIONS

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission, under section 25 (1) of the *Oil and Gas Activities Act*, hereby permits the permit holder referenced above to carry out the following activities, indicated in the Authorized Activities table above, subject to the conditions contained herein, any applicable exemptions and authorizations:
 - a. To construct, maintain and operate an oil and gas road as detailed in the Activity Details tables below.
2. The permissions and authorizations granted under this permit are limited to the area identified in the spatial data submitted to the Commission in the permit application as identified and dated above; herein after referred to as the 'activity area'.

Petroleum and Natural Gas Act

3. Pursuant to section 138(1) of the *Petroleum and Natural Gas Act*, the permit holder is permitted to enter, occupy and use any unoccupied Crown land located within the activity area to carry out the oil and gas activities and related activities permitted, or authorized herein.
 - a. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area.
 - b. The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

AUTHORIZATIONS

Forest Act

4. 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 permits associated with the Master Licence(s) as follows:

Master Licence to Cut No.: M02616
Cutting Permit No.: 28
Timber Mark No.: MTD262
Total New Cut: 0.627
Forest District: (DND) Nadina Natural Resource District
Region: Coastal

5. The cutting permits 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

6. 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.
7. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

General

8. The rights granted by this permit in relation to unoccupied Crown land 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.
9. The permit holder must not assign, sublicense or permit any person other than its employees, contractors or representatives, to use or occupy any Crown land within the activity area without the Commission's written consent.
10. The permit holder must ensure that any Crown land within the activity area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
11. The permit holder must ensure that any Crown land within the activity area is maintained free of garbage, debris and derelict equipment.

Environmental

12. Construction activities must not result in rutting, compaction or erosion of soils that cannot be reasonably rehabilitated to similar levels of soil productivity that existed on the activity area prior to the construction activities taking place.
13. Any temporary access must be constructed and maintained in a manner that provides for proper surface drainage, prevents pooling on the surface, and maintains slope integrity.

Clearing/Forest Act

14. 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.

15. 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.
16. 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.
17. All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.
18. 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.
19. Stumpage for Cutting Permit No. 28 will be calculated in accordance with the Interior Appraisal Manual as amended from time to time

Water Course Crossings and Works

20. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
21. In-stream activities within a fish bearing stream, lake or wetland must occur:
 - a. during the applicable reduced risk work windows as specified in the Skeena Region - Reduced Risk Work Windows;
 - b. in accordance with alternative timing and associated mitigation recommended by a Qualified Professional and accepted by the Commission; or
 - c. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
22. At any time, the Commission may suspend instream works authorized under this permit. Suspensions on instream works will remain in place until such time as the Commission notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
23. Equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.
24. Following initial construction, stream crossings are authorized for necessary road modification or maintenance activities on the activity area except for:
 - a. construction or replacement of a bridge or major culvert on a S1, S2, S3 or S5 stream;
 - b. installation of a closed bottom structure in a fish bearing stream;
 - c. excavation or grading of a stream bank or stream bed;
 - d. works within a Temperature Sensitive Stream established by order under s. 27 of the Environmental Protection and Management Regulation; or
 - e. works within a Fisheries Sensitive Watershed established by order under section 28 of the Environmental Protection and Management Regulation.
25. Stream crossings for roads must be constructed, maintained and deactivated according to the following requirements, as applicable:
 - a. only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings;
 - b. snow fills must consist of clean snow and may only be located on streams that are dry or frozen to the bottom during the period of construction, maintenance and use. Where periodic thaws are

anticipated, culverts must be installed to allow meltwater to pass through. Snow fill and any installed culverts must be removed prior to spring snow melt;

- c. ice bridges on fish bearing streams may only be constructed where sufficient water depth and stream flows prevent the bridge structure from coming in contact with the stream bottom;
 - d. water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless:
 - i. the water body is a stream with a stream channel width of at least 5 metres and is not designated as a sensitive stream under the *Fish Protection Act*, or has a riparian class of W1, W3, or L1,
 - ii. the water is sourced from the same water body proximal to the location on which the ice bridge is constructed,
 - iii. the water body is not within the boundaries of a public park,
 - iv. pump intakes do not disturb beds of streams or wetlands except as necessary for the safe installation and operation of equipment, and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline, and
 - a. where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs; or
 - b. where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm.
26. Wetland crossings must be constructed, maintained and removed in accordance with the following:
- a. organic cover within and adjacent to the wetland must be retained;
 - b. minimize erosion or release of sediment within the wetland;
 - c. any padding materials must be placed on the wetland surface only and must not be used for infilling;
 - d. any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and
 - e. the wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.

Archaeology

27. If an artifact, feature, material or thing protected under the *Heritage Conservation Act* is identified within the activity area, the permit holder must, unless the permit holder holds a permit under Section 12.4 of the *Heritage Conservation Act* issued by the BC Oil and Gas 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 BC Oil and Gas Commission; and

- c. Resume work in the vicinity of the artifacts, features, materials or things in accordance with direction from the BC Oil and Gas Commission.
28. Prior to the commencement of construction activities the permit holder must:
- a. Complete an archaeological assessment of the activity area in accordance with applicable requirements of the *Heritage Conservation Act*, and
 - b. Complete and submit to the BC Oil and Gas Commission an acceptable report on the results of the assessment.
29. If the report required under the condition above recommends any further assessment work on an area, the permit holder must not begin construction activities on that area until the further assessment is completed.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

ROAD

Land Area Number: 100016141
Road Number: 06074 **Road Type:** Long-Term - All-Weather

ACTIVITY DETAILS

Seg No.: 001	Zone: 09 From: N 5989821.656 E 566179.129 To: N 5989574.14 E 565934.096
---------------------	--

All permissions for this activity are subject to the following conditions:

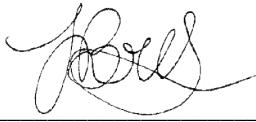
Road Conditions

30. The permit holder will immediately effect, and keep in force 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 liability claims arising from any accident or occurrence on the activity area.

ADVISORY GUIDANCE

1. Construction Plan - CGW4703-MCSL-G-MP-2748-RW-160.4.A1-Sketch-Rev2.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
2. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the Commission's website.

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



Jacqueline Bourke
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – CWL Energy Management Ltd.
First Nations – Office Of The Wet'suwet'en, Skin Tyee Nation, Wet'suwet'en First Nation
Ministry of Forests District Office - (DND) Nadina Natural Resource District

Keough, Dana

From: Swan, Ian
Sent: Wednesday, March 17, 2021 2:55 PM
To: Hicks, LeeAnn; Stark, Ryan; Erickson-Fearon, Candace; Nielsen, Angela C; Thomas, Sarah; O'Flaherty, Sandy
Cc: First Nations Referrals
Subject: RE: SOE Report - AMS# 100113046 - Coastal GasLink Pipeline Ltd. - Section 10 - Short Term Water Use
Attachments: 100113045_100113046_Referral Letter_Haisla_2021MAR17_DRAFT.docx

Thanks, Lee Ann.

I've drafted a referral letter to Haisla (attached and [saved in e-binder](#)) that bundles together the two recent CGL Sec 10 applications (100113045 and 100113046).

Please review the draft referral letter, finalize with any necessary edits, and send out to Haisla.

Let me know if there's any support I can provide in getting this out.

Cheers,
Ian



Ian Swan
First Nations Liaison Officer
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s17



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From: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Sent: Wednesday, March 17, 2021 1:51 PM
To: Swan, Ian <Ian.Swan@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; O'Flaherty, Sandy <Sandy.O'Flaherty@bcogc.ca>
Cc: First Nations Referrals <FNReferrals@bcogc.ca>
Subject: SOE Report - AMS# 100113046 - Coastal GasLink Pipeline Ltd. - Section 10 - Short Term Water Use

Good afternoon,

Please see the attached SOE Report submitted by Coastal GasLink Pipeline Ltd. (CGL) for a Section 10 – Short Term Water Use permit.

The five proposed POD locations within this application were previously permitted under AD100107299. However, this work was postponed due to construction delays as the result of COVID-19 and the BC Public Health Order. Therefore, Coastal Gaslink is re-applying for the POD locations.

This Section 10 is required in support of construction of pipeline Section 8 permitted under the British Columbia Oil and Gas Commission (OGC) permit AD 100084230 and other OGC related activities permits (e.g. ancillary, access) issued for the Project.

IMPACTED FIRST NATIONS:

Haisla Nation Council

Thank you,
Lee Ann



LeeAnn Hicks
First Nations Liaison Assistant
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s16
Pages: 504-507

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission's website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Kalum Land and Resource Management Plan	Grizzly Bear Identified Watersheds	Y	Hirsch
Kalum Land and Resource Management Plan	Grizzly Bear Population Units		Bulkley-Lakes
Kalum Land and Resource Management Plan	Resource Management Zones		GEN
Kalum Land and Resource Management Plan	Enhanced Timber Opportunity Areas		
Kalum Land and Resource Management Plan	Enhanced Timber Opportunity Areas		

Legal Planning Objectives

Plan Name	Objective	Name	Value
Kalum Sustainable Resource Management Plan	Grizzly Bear Identified Watersheds	IWG_NAME	Hirsch

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Kalum Land and Resource Management Plan	21	Approved
Kalum Sustainable Resource Management Plan	18	Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Haisla Nation

Tantalis**Crown Land Reserves and Notations**

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name
No value

BC Parks, Ecological Reserves, and Protected Areas**Surveyor**

General Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology**Endangered Species and Ecosystems - Non Sensitive Occurrences**

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory**Caribou Herd Locations for BC**

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management**Trapline Boundaries**

Trapline Area Identifier
TR0603T080

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
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6-287 Grizzly Bear FRPA;OGAA
 6-287 Grizzly Bear FRPA;OGAA

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
u-6-009	M_lake-20		M-ALAL		FRPA;OGAA
u-6-009	M_lake-20		M-ALAL		FRPA;OGAA

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
6-287	Grizzly Bear	Biodiversity Emphasis Option – Intermediate

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Brachyramphus marmoratus	Marbled Murrelet	Final		
Brachyramphus marmoratus	Marbled Murrelet	Final		
Brachyramphus marmoratus	Marbled Murrelet	Final		

Layers Queried Successfully

Parks, Ecological Reserves, and Protected Areas	Areas Established by the Commission	Muskwa Kechika Management Area
First Nations Cultural Areas (Confidential)	First Nations Consultation Boundaries - Internal (Confidential)	Petroleum Titles
First Nation Consultation Areas (Confidential)	Water Management Basins	Crown Land Leases - Non Agriculture
Crown Land Leases - Agriculture	Critical Habitat for Federally-Listed Species at Risk - Posted	Crown Land Reserves and Notations
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, March 16, 2021 3:21 PM
To: Nielsen, Angela C; Stark, Ryan
Subject: RE: 100113015 SOE Report - CGL Section 10
Attachments: Referral Letter_2021MAR_100113015_Draft.docx

Please see attached draft

This was previously permitted in 2019. The permit is set to expire May 31, 2021. I suspect we will see one more application for another POD as we bundled this application last time.

s13

Kind regards

Sarah



Sarah Thomas
First Nations Liaison Officer
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s17



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Tuesday, March 16, 2021 2:40 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: 100113015 SOE Report - CGL Section 10

Good afternoon,

We have received a Short Term Water Use application from Coastal GasLink Pipeline Ltd.

The two proposed POD locations within this application were previously permitted under AD100107295. However, this work was postponed due to construction delays as the result of COVID-19 and the BC Public Health Order. Therefore, Coastal Gaslink is re-applying for the POD locations. I have attached the Project Description for additional details.

First Nations impacted:

Office of the Wet'suwet'en (Sun House, Beaver House)
Skin Tye Nation
Wet'suwet'en

Not consulting with:
Carrier Sekani Tribal Council
Hagwilget Village
Moricetown Band

Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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s13
Pages: 515- 517

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Morice Land and Resource Management Plan	Ecosystems of Cultural Significance		YES
Morice Land and Resource Management Plan	Ecosystems of Cultural Significance		YES
Morice Land and Resource Management Plan	Morice Water Management Area		Water Mgmt Area
Morice Land and Resource Management Plan	Grizzly Bear Management Areas		Remote GB Management Zone
Morice Land and Resource Management Plan	Caribou Habitat Management Areas		Caribou_connect
Morice Land and Resource Management Plan	Motorized and Non-Motorized Recreational Access	Summer Non-Motorized	12

Legal Planning Objectives

Plan Name	Objective	Name	Value
Morice Land and Resource Management Plan	No Timber Harvesting Areas	NTHA	Herd Dome
Morice Land and Resource Management Plan	No Timber Harvesting Areas	NTHA	Morice Range Nanika Lake 1

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Morice Land and Resource Management Plan	15	Legal

Mineral Tenure

Petroleum Title

Title
No value

s16

No value

No value

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Carrier Sekani Tribal Council

Wet'suwet'en Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
	Extirpated		

Wildlife Management

Trapline Boundaries

Trapline Area Identifier
TR0609T033

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
6-333	Northern Caribou	FRPA;OGAA	Wildlife Habitat Area - core

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
6-333	Caribou	Study Area

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Rangifer tarandus	Caribou - Southern Mountain population	Final	Southern Mountain population	Telkwa
Pinus albicaulis	Whitebark Pine	Proposed		
Pinus albicaulis	Whitebark Pine	Proposed		

Layers Queried Successfully

Areas Established by the Commission	Parks, Ecological Reserves, and Protected Areas	First Nations Cultural Areas (Confidential)
First Nations Consultation Boundaries - Internal (Confidential)	Muskwa Kechika Management Area	First Nation Consultation Areas (Confidential)
Water Management Basins	Petroleum Titles	Crown Land Leases - Non Agriculture
Crown Land Leases - Agriculture	Crown Land Reserves and Notations	Critical Habitat for Federally-Listed Species at Risk - Posted
Strategic Land and Resource Plans	Legal Planning Objectives	Wildlife Habitat Areas - Proposed
Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved	Wildlife Habitat Areas - Approved

Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline	Caribou Herd Locations for BC
Endangered Species and Ecosystems - Non Sensitive Occurrences	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

PROJECT DESCRIPTION FORM

Company Name: Coastal GasLink Pipeline Ltd.

OGC File No: 100113015

Company File No.: 120496

PROJECT DESCRIPTION

1. **What is the scope of the proposed activity?** (Include infrastructure and equipment, and geospatial data on anticipated total land disturbance.)

Coastal GasLink Pipeline Ltd. (Coastal GasLink) will construct and operate a natural gas pipeline from the area near the community of Groundbirch (about 40 km west of Dawson Creek, British Columbia [BC]) to the LNG Canada Development Inc. (LNG Canada) liquefied natural gas (LNG) export facility (LNG Canada export facility) near Kitimat, BC.

The Coastal GasLink Pipeline Project (Project) involves the construction and operation of:

- approximately 670 km of 48-inch (NPS 48) (1,219 mm) diameter pipeline
- metering facilities at the receipt and delivery points at up to three locations
- compressor stations at up to eight locations

The Project will have an initial capacity of about 2 to 3 billion cubic feet/day (bcf/d) (56 million cubic metres per day [mmcm/d] to 85 mmcm/d), with the potential for expansion up to about 5 bcf/d (142 mmcm/d). The expansion scenarios do not involve the construction of additional pipeline; only the number of compressor stations would change.

This Section 10 is required in support of construction of pipeline Section 8 permitted under the British Columbia Oil and Gas Commission (OGC) permit AD 100084230 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The specific details of this application are as follows:

Point of Diversions identified in this application are required to facilitate pipeline construction activities, such as:

- **Access Works:** Freezing in of construction access, ice bridges, and snow fill as required
- **Clearing:** Water trucks for fire control during burning, freezing in of clearing access, ice bridges, and snow fill as required
- **Grading:** Dust control
- **Bores, Direct Pipe Installation, and other trenchless crossings:** Pre-test drilling mud and fluids

The Water Supply Demand Analysis that is provided with this application identifies average monthly discharges of the source and flow sensitivity for all months indicating where there should be potential allocations throughout the year for the particular water source. There are PODs where water is not available during some months based on Risk Management Level identified in the report. Coastal GasLink acknowledges OGC may incorporate permit conditions restricting withdrawal during certain periods of the year.

The two proposed POD locations within this application were previously permitted under AD100107295. However, this work was postponed due to construction delays as the result of COVID-19 and the BC Public Health Order. Therefore, Coastal Gaslink is re-applying for the POD locations.

Site Specific Activities:

POD 8a (AMS POD 001): All workspace and access required will be within the approved project footprint. Water withdrawal volumes requested are required for: dust suppression, freeze down activities, roadway construction, upgrades and maintenance, ROW construction and reclamation activities. Above ground, storage may be used at this POD location, as required. The storage volume would be up to the full volume requested within the application. Storage location will be determined during construction-specific activities and will be located on the approved Project footprint. Crown Land authorized under the approved Pipeline Permit (AD# 100084230). A pump will be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45 mm to prevent fish passage through the screen

POD 12a (AMS POD 002): All workspace and access required will be within the approved project footprint. Water withdrawal volumes requested are required for: dust suppression, freeze down activities, roadway construction, upgrades and maintenance, ROW construction and reclamation activities. Above ground, storage may be used at this POD location, as required. The storage volume would be up to the full volume requested within the application. Storage location will be determined during construction-specific activities and will be located on the approved Project footprint. Crown Land authorized under the approved Pipeline Permit (AD# 100084230). A pump will be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45 mm to prevent fish passage through the screen.

2. Provide information about any roads required to carry out the proposed activity:

Existing or permitted access roads will be utilized for access and to carry out the activity, when applicable.

3. Detail the order in which the proposed activities will be carried out, including timeframes:

Work associated with this proposed activity, if approved, can be anticipated to occur June 1, 2021 to November 30, 2022.

4. If the activity is planned in phases, describe each phase of the activity:

The proposed activity will support the construction of the Coastal GasLink pipeline project in Construction Section 8.

5. What are the estimated increases to dust, noise and odours from the proposed activity?

There will be dust, noise and odor associated with the equipment used to withdraw and transport water, which is anticipated to be temporary in nature.

6. Detail any mitigation activities that will be carried out:

An Environmental Management Plan (EMP) has been produced for the Coastal GasLink Pipeline Project. The mitigation measures outlined in this plan will be implemented and adhered to.

7. Detail the nature and extent of vehicle traffic required to carry out the proposed activity:

Increased traffic will be temporary in nature and associated with the use of the access roads and withdrawal activities. An EMP which includes a Traffic Management Control Plan has been developed for the Coastal GasLink Pipeline Project. Applicable mitigation in the EMP will be adhered to.

Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, March 16, 2021 3:17 PM
To: Nielsen, Angela C; Swan, Ian; Hicks, LeeAnn
Cc: Stark, Ryan
Subject: RE: 100113045 SOE Report - CGL Section 10
Attachments: SER_V1.0_100113045.docx

Please see attached draft SER

The previous permit is set to expire June 21, 2021. CGL is proposing a new timeline from June 2021 to November 2022

All POD water withdraws remain the same amount as the previous application.

s13

Kind regards

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404

s17



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Tuesday, March 16, 2021 2:52 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>; Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: 100113045 SOE Report - CGL Section 10

Good afternoon,

We have received a Section 10 application from Coastal GasLink Pipeline Ltd.

The proposed POD location within this application was previously permitted under AD100107298. However, this work was postponed due to construction delays as the result of COVID-19 and the BC Public Health Order. Therefore, Coastal Gaslink is re-applying for the POD location. I have attached the Project Description with additional details.

First Nations impacted:

Haisla
Kitselas

Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
[Office Address Directory](#)
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F. 250-794-5390



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s16
Pages: 529-533

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Kalum Land and Resource Management Plan	Grizzly Bear Population Units		Bulkley-Lakes
Kalum Land and Resource Management Plan	Grizzly Bear Identified Watersheds	Y	McKay - Davies
Kalum Land and Resource Management Plan	Resource Management Zones		GEN

Legal Planning Objectives

Plan Name	Objective	Name	Value
Kalum Sustainable Resource Management Plan	Grizzly Bear Identified Watersheds	IWG_NAME	McKay - Davies

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Kalum Sustainable Resource Management Plan	18	Legal
Kalum Land and Resource Management Plan	21	Approved

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Tantalus

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name
No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
Blue	Ecological Community	Sitka Spruce / Salmonberry Wet Submaritime 2	KITIMAT RIVER, 10 KM UPSTREAM OF DAVIES CREEK

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier
TR0603T079

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
No value	No value	No value	No value	No value

Layers Queried Successfully

Areas Established by the Commission	Parks, Ecological Reserves, and Protected Areas	First Nations Cultural Areas (Confidential)
First Nations Consultation Boundaries - Internal (Confidential)	First Nation Consultation Areas (Confidential)	Muskwa Kechika Management Area
Water Management Basins	Petroleum Titles	Crown Land Leases - Non Agriculture
Critical Habitat for Federally-Listed Species at Risk - Posted	Crown Land Leases - Agriculture	Crown Land Reserves and Notations
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

PROJECT DESCRIPTION FORM

Company Name: Coastal GasLink Pipeline Ltd.

OGC File No: 100113045

Company File No.: 120496

PROJECT DESCRIPTION

1. **What is the scope of the proposed activity?** (Include infrastructure and equipment, and geospatial data on anticipated total land disturbance.)

Coastal GasLink Pipeline Ltd. (Coastal GasLink) will construct and operate a natural gas pipeline from the area near the community of Groundbirch (about 40 km west of Dawson Creek, British Columbia [BC]) to the LNG Canada Development Inc. (LNG Canada) liquefied natural gas (LNG) export facility (LNG Canada export facility) near Kitimat, BC.

The Coastal GasLink Pipeline Project (Project) involves the construction and operation of:

- approximately 670 km of 48-inch (NPS 48) (1,219 mm) diameter pipeline
- metering facilities at the receipt and delivery points at up to three locations
- compressor stations at up to eight locations

The Project will have an initial capacity of about 2 to 3 billion cubic feet/day (bcf/d) (56 million cubic metres per day [mmcm/d] to 85 mmcm/d), with the potential for expansion up to about 5 bcf/d (142 mmcm/d). The expansion scenarios do not involve the construction of additional pipeline; only the number of compressor stations would change.

This Section 10 is required in support of construction of pipeline Section 8 permitted under the British Columbia Oil and Gas Commission (OGC) permit AD 100084230 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The specific details of this application are as follows:

Point of Diversions identified in this application are required to facilitate pipeline construction activities, such as:

- **Access Works:** Freezing in of construction access, ice bridges, and snow fill as required
- **Clearing:** Water trucks for fire control during burning, freezing in of clearing access, ice bridges, and snow fill as required
- **Grading:** Dust control
- **Bores, Direct Pipe Installation, and other trenchless crossings:** Pre-test drilling mud and fluids

The Water Supply Demand Analysis that is provided with this application identifies average monthly discharges of the source and flow sensitivity for all months indicating where there should be potential allocations throughout the year for the particular water source. Coastal GasLink acknowledges OGC may incorporate permit conditions restricting withdrawal during certain periods of the year based on Risk Management Level identified in the report.

The proposed POD location within this application was previously permitted under AD100107298. However, this work was postponed due to construction delays as the result of COVID-19 and the BC Public Health Order. Therefore, Coastal Gaslink is re-applying for the POD location.

Site Specific Activities:

POD 11a (AMS POD 001): All workspace and access required will be within the approved project footprint. Water withdrawal volumes requested are required for: dust suppression, freeze down activities, roadway construction, upgrades and maintenance, ROW construction and reclamation activities. Above ground, storage may be used at this POD location, as required. The storage volume would be up to the full volume requested within the application. Storage location will be determined during construction-specific activities and will be located on the approved Project footprint. Crown Land authorized under the approved Pipeline Permit (AD# 100084230). A pump will be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45 mm to prevent fish passage through the screen

2. Provide information about any roads required to carry out the proposed activity:

Existing or permitted access roads will be utilized for access and to carry out the activity, when applicable.

3. Detail the order in which the proposed activities will be carried out, including timeframes:

Work associated with this proposed activity, if approved, can be anticipated to occur June 1, 2021 to November 30, 2022.

4. If the activity is planned in phases, describe each phase of the activity:

The proposed activity will support the construction of the Coastal GasLink pipeline project in Construction Section 8.

5. What are the estimated increases to dust, noise and odours from the proposed activity?

There will be dust, noise and odor associated with the equipment used to withdraw and transport water, which is anticipated to be temporary in nature.

6. Detail any mitigation activities that will be carried out:

An Environmental Management Plan (EMP) has been produced for the Coastal GasLink Pipeline Project. The mitigation measures outlined in this plan will be implemented and adhered to.

7. Detail the nature and extent of vehicle traffic required to carry out the proposed activity:

Increased traffic will be temporary in nature and associated with the use and upgrades of the access roads and withdrawal activities. An EMP which includes a Traffic Management Control Plan has been developed for the Coastal GasLink Pipeline Project. Applicable mitigation in the EMP will be adhered to.

Keough, Dana

From: Swan, Ian
Sent: Thursday, March 11, 2021 3:18 PM
To: Thomas, Sarah; Nielsen, Angela C; Stark, Ryan
Subject: RE: CGL Leave Request - Section 8, Condition 24

Haisla package looks good to me...sending now.

Thanks!

Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
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F. 250-419-4403
s17



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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Thursday, March 11, 2021 2:02 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 24

MUCH THANKS TEAM



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
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s17



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Sent: Thursday, March 11, 2021 12:30 PM

To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>

Subject: RE: CGL Leave Request - Section 8, Condition 24

I have gone through and done a quick edit on them. Good to go from me!



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>

Sent: Thursday, March 11, 2021 11:56 AM

To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>

Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Subject: CGL Leave Request - Section 8, Condition 24

Morning all,

I have completed the Leave Request from last week.

[K:\Major Projects\Coastal GasLink\Leaves & Satisfaction\FN Consultation\2021-03-04 - CGL - Section 8, Condition 24](#)

Ryan – from my analysis it is going to OW with no impact to Dark House. I have a snip of the KP's and OW House boundaries in the folder for you

Ian – Haisla is impacted. Your letter and table are complete

Ang – I used the template you updated so I am hoping you will have limited edits

Could someone read the letter and say “good to go”? I will send out this afternoon or tomorrow for my Nations.

Much thanks

Sarah



Keough, Dana

From: Nielsen, Angela C
Sent: Wednesday, March 10, 2021 1:12 PM
To: O'Flaherty, Sandy; Thomas, Sarah; Swan, Ian; Hicks, LeeAnn; Erickson-Fearon, Candace
Cc: Stark, Ryan
Subject: RE: AD100111777 - Coastal GasLink Pipeline Ltd. - Permit

Good afternoon,

This permit has been sent out and the FTP sites have been updated.

Cheers,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: McNutt, Dawn <Dawn.McNutt@bcogc.ca>
Sent: Wednesday, March 10, 2021 10:22 AM
To: O'Flaherty, Sandy <Sandy.O'Flaherty@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>; Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: AD100111777 - Coastal GasLink Pipeline Ltd. - Permit

First Nations – Haisla Nation Council, Office Of The Wet'suwet'en, Skin Tyee Nation



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

Fort St John BC
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T. 250 794-5271
F. 250 794-5390



March 10, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100111777

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: March 10, 2021
Effective Date: March 10, 2021
Application Submission Date: March 4, 2021
Application Determination Number: 100111777
Approved Disturbance Footprint: 10.575 ha

AUTHORIZED ACTIVITIES

Road Number No.: 06038	Segment No.: 001
-------------------------------	-------------------------

GENERAL PERMISSIONS, AUTHORIZATIONS AND CONDITIONS

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission, under section 25 (1) of the *Oil and Gas Activities Act*, hereby permits the permit holder referenced above to carry out the following activities, indicated in the Authorized Activities table above, subject to the conditions contained herein, any applicable exemptions and authorizations:
 - a. To construct, maintain and operate an oil and gas road as detailed in the Activity Details tables below.
2. The permissions and authorizations granted under this permit are limited to the area identified in the spatial data submitted to the Commission in the permit application as identified and dated above; herein after referred to as the 'activity area'.

Petroleum and Natural Gas Act

3. Pursuant to section 138(1) of the *Petroleum and Natural Gas Act*, the permit holder is permitted to enter, occupy and use any unoccupied Crown land located within the activity area to carry out the oil and gas activities and related activities permitted, or authorized herein.
 - a. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area.
 - b. The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

CONDITIONS

Notification

4. 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.
5. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

General

6. The rights granted by this permit in relation to unoccupied Crown land 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.
7. The permit holder must not assign, sublicense or permit any person other than its employees, contractors or representatives, to use or occupy any Crown land within the activity area without the Commission's written consent.
8. The permit holder must ensure that any Crown land within the activity area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
9. The permit holder must ensure that any Crown land within the activity area is maintained free of garbage, debris and derelict equipment.

Environmental

10. Construction activities must not result in rutting, compaction or erosion of soils that cannot be reasonably rehabilitated to similar levels of soil productivity that existed on the activity area prior to the construction activities taking place.
11. Any temporary access must be constructed and maintained in a manner that provides for proper surface drainage, prevents pooling on the surface, and maintains slope integrity.

Clearing/Forest Act

12. 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.

Archaeology

13. If an artifact, feature, material or thing protected under the *Heritage Conservation Act* is identified within the activity area, the permit holder must, unless the permit holder holds a permit under Section 12.4 of the *Heritage Conservation Act* issued by the BC Oil and Gas 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 BC Oil and Gas Commission; and
 - c. Resume work in the vicinity of the artifacts, features, materials or things in accordance with direction from the BC Oil and Gas Commission.
14. Prior to the commencement of construction activities the permit holder must:
 - a. Complete an archaeological assessment of the activity area in accordance with applicable requirements of the *Heritage Conservation Act*, and

- b. Complete and submit to the BC Oil and Gas Commission an acceptable report on the results of the assessment.
15. If the report required under the condition above recommends any further assessment work on an area, the permit holder must not begin construction activities on that area until the further assessment is completed.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

ROAD

Land Area Number: 100015800
Road Number: 06038 **Road Type:** Long-Term - All-Weather

ACTIVITY DETAILS

Seg No.: 001	Zone: 09 From: N 5989651.342 E 563336.176 To: N 5989598.57 E 562971.041
---------------------	--

All permissions for this activity are subject to the following conditions:

Road Conditions

16. The permit holder will immediately effect, and keep in force 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 liability claims arising from any accident or occurrence on the activity area.

ADVISORY GUIDANCE

1. Construction Plan - CGW4703-MCSL-G-MP-2699-RW-160.4.C2-Sketch-Rev2.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
2. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the Commission's website.

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



Jacqueline Bourke
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – CWL Energy Management Ltd.
First Nations – Haisla Nation Council, Office Of The Wet'suwet'en, Skin Tyee Nation

Keough, Dana

From: Anderson, Justin
Sent: Thursday, March 4, 2021 9:38 AM
To: Bourke, Jacqueline; Thomas, Sarah
Subject: FW: CGL Section 8 ATWS Leave Request Icy Pass Central
Attachments: CGL4703-CGP-REG-LEAVRQ-0103_S8_ATWS_Icy Pass Central.pdf; OGC leave Form Sec 8 Cond 24.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Phillips, Lori L <Lori.Phillips@bcogc.ca>
Sent: Thursday, March 4, 2021 9:36 AM
To: Anderson, Justin <Justin.Anderson@bcogc.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: CGL Section 8 ATWS Leave Request Icy Pass Central



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Wednesday, March 3, 2021 12:18 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: CGL Section 8 ATWS Leave Request Icy Pass Central

Please find attached a request for leave for ATWS along Section 8 (AD #100084230).

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile: s22
TCEnergy.com

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Thank you

March 3, 2021

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0103

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission Request
Section 8 Pipeline Permit (AD # 100084230) – Condition 24 - ATWS**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 24 for clearing and site preparation of additional temporary work space (ATWS).

Additional work space is required for rock scaling, rock disposal and pipeline realignments to avoid steep side slopes. In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to April 1, 2021.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following conditions in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

- a) a previously disturbed area is less than 2 hectares;*
- b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
- c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

1.1 REASON FOR REQUEST

Further assessment of the right of way (ROW) has identified locations where minor changes are necessary for the purpose of addressing site-specific construction issues due to engineering, terrain, safety or environmental constraints. The locations and reasoning for the change, including reference to the attached map, are indicated in Table 1. As the location of these incremental additional temporary workspace (ATWS) areas are outside of the OGC permitted footprint, Coastal GasLink requires leave of the Commission.

Coastal GasLink requires new ATWS totalling approximately 57.62 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. The locations of this change, including reference to the attached maps, are provided in Table 1. Across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 315 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for specific changes is identified in Table 1 and the attached maps (CGW4703-MCSL-G-MP-2817; CGW4703-MCSL-G-MP-2829).

Table 1: Additional Temporary Workspace

Area No.	KP (Rev G)	Area (ha)	Reason for Shift
ATWS-ICY PASS 10.1	612+350	0.07	Additional area required to support safe and efficient execution of work including space for potential rock scaling, management of fly rock and permanent rock disposal.
ATWS-ICY PASS 10.2	613+250	5.45	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 6	613+500	13.90	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS RW-160.4.B	613+600	0.68	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 7	613+700	0.59	Additional area required to support safe and efficient execution of work including space potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS KP 613 POD	613+800	0.33	Additional area required to allow access to the lake (previously wetland WL-2308) for water withdrawal. Note: S.10 permit requested separately (AD #100112746).
ATWS-ICY PASS 9	614+450	0.56	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 5.2	614+900_R2	2.09	Additional area required to support safe and efficient execution of work including space for a potential pipeline reroute to a slightly shorter alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 5.1	615+100_R2	1.81	Additional area required to support safe and efficient execution of work including space for a potential pipeline reroute to a slightly shorter alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 4	615+750_R0	2.96	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 3	616+000_R0	4.64	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 1.3	616+250_R0	1.97	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 1.1	616+600_R0	0.38	Additional area required to support safe and efficient execution of work including space for potential rock

Area No.	KP (Rev G)	Area (ha)	Reason for Shift
			scaling, fly rock and permanent rock disposal. Also necessary for access to infill portion of lake (previously wetland WL-2309). Note: S.10 and S.11 permit requested separately (AD #100112840).
ATWS-ICY PASS KP 616	616+800_RO	0.43	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal. Also necessary for access to infill portion of lake (previously wetland WL-2309). Note: S.10 and S.11 permit requested separately (AD #100112840).
ATWS-ICY PASS 1.2.3	616+900_RO	4.23	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 2.4.2	617+300_RO	1.39	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal. Also necessary for access to infill portion of lake (previously wetland WL-2309). Note: S.10 and S.11 permit requested separately (AD #100112840).
ATWS-ICY PASS 2.1	617+400_RO	0.03	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 2.2	617+450_RO	0.12	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 2.3	617+800_RO	1.55	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 1.2.2	618+000_RO	3.65	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS 2.4.1	618+250_RO	7.00	Additional area required to support safe and efficient execution of work including space to support a potential pipeline reroute to an alignment with less steep side slopes (decreased safety risk).
ATWS-ICY PASS 1.2.1	618+600_RO	2.11	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.

Area No.	KP (Rev G)	Area (ha)	Reason for Shift
ATWS-ICY PASS 8	619+400_R0	0.74	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-ICY PASS KP 619+900	619+900_R0	0.61	Additional area required to support safe and efficient execution of work including space for potential rock scaling, fly rock and permanent rock disposal.
ATWS-RFI-414	640+500_R1	0.33	Additional area required to further realign centreline to avoid impacts to fish-bearing watercourse S1011.
Total		57.62	

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlines the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential adverse environmental effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Conduct clearing near watercourses or wetlands as described in Section 7.1 and Section 8.4 of the EMP.
- During clearing, fell trees towards the ROW, wherever practical. Recover trees that inadvertently fall into adjacent undisturbed vegetation.
- Avoid disturbance to environmentally sensitive features during clearing as identified by the appropriate signage or fencing. The Environmental

Inspector(s) and appropriate Resource Specialist will determine the size of avoidance buffer surrounding these features, if appropriate.

- Where practical, leave stumps in place, particularly on streambanks, to provide surface stability. Dispose of stumps removed from the required work areas by burning or chipping, or stockpile for use in access or line-of-sight control.
- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the width of grading in order to limit the potential for erosion and subsoil compaction, where practical.
- Where practical, avoid grading in riparian areas until installation of the vehicle crossing.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

Watercourse Crossings (Section 8.4 of the EMP)

- Coastal GasLink will obtain and follow all applicable federal and provincial permits or authorizations prior to the commencement of construction and instream activities. comply with the provisions of the federal Fisheries Act
- Identify the location of registered and unregistered points of diversion within 200 m downstream and 100 m upstream of clearing, construction and reclamation activities and notify appropriate authorities of proposed construction activities
- Identify the location of registered and unregistered points of diversion within 200 m downstream and 100 m upstream of clearing, construction and

reclamation activities and notify appropriate authorities of proposed construction activities

- Refer to the Fish and Fish Habitat Technical Data Report (Appendix 2-G of the EAC Application) for the windows of least risk associated with the watercourse crossings traversed by the Project.
- Prohibit clearing of extra temporary workspace within 10 m of a watercourse to protect riparian areas. This area shall be clearly marked prior to clearing operations. The construction footprint will be narrowed through the riparian area, if practical.
- Where practical, delay grading of the primary banks of watercourses until immediately before construction of the crossing. If warranted, install appropriate temporary erosion and sediment control structures at the discretion of the Environmental Inspector(s) upon initial disturbance of the vegetative mat and surface material.
- Install erosion and sediment control such as silt fences at all watercourses or waterbodies and on approach slopes to watercourses and waterbodies as directed by the Environmental Inspector(s). (Appendix B, Dwgs. STDS-03-ML05-001, STDS-03-ML-05-131, STDS-03-ML-05-132, STDS-03-ML-05-137, STDS-03-ML-05-608).
- If water withdrawal is necessary for the construction of temporary crossings, ensure that necessary provincial approvals are in place and follow DFO conditions, if applicable. Do not withdraw more than 10% of the instantaneous stream flow at any given time. Pump intakes should not disturb the streambed. Pumps must be screened with a maximum mesh size of 2.54 mm and have a maximum screen approach velocity of less than 0.038 m/s where fish habitat is present. Follow design requirements of DFO Freshwater Intake End-of-Pipe Fish Screen Guidelines.
- For watercourse crossings that require channel realignment to facilitate the installation of the crossing, develop individual, site-specific plans that take downstream effects into consideration and ensure:
 - no net loss of fish habitat
 - no obstruction to fish migration
 - no fish mortality or injury
- Inspect all temporary sediment control structures on a regular basis and following precipitation events and snowmelt. Where repairs are warranted, repair before the end of the working day.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement

mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment. All of the new ATWS are directly adjacent to the approved footprint. Granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

Coastal GasLink

ATWS - Area Outside OGC Permit Section 8 Rev0

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8					
AREA No.	KP	AREA (ha)	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-ICY PASS 10.1	612+350	0.07	CROWN	5989454	565757
ATWS-ICY PASS 10.2	613+250	5.45	CROWN	5989474	565117
ATWS-ICY PASS 6	613+500	13.90	CROWN	5989627	564615
ATWS-ICY PASS RW-160.4.B	613+600	0.68	CROWN	5989460	564580
ATWS-ICY PASS 7	613+700	0.59	CROWN	5989469	564456
ATWS-ICY PASS KP 613 POD	613+800	0.33	CROWN	5989553	564334
ATWS-ICY PASS 9	614+450	0.56	CROWN	5989522	563735
ATWS-ICY PASS 5.2		2.09	CROWN	5989516	563394
ATWS-ICY PASS 5.1		1.81	CROWN	5989486	563142
ATWS-ICY PASS 4		2.96	CROWN	5989135	562910
ATWS-ICY PASS 3		4.64	CROWN	5988989	562547
ATWS-ICY PASS 1.3		1.97	CROWN	5988708	562449
ATWS-ICY PASS 1.1		0.38	CROWN	5988498	562306
ATWS-ICY PASS KP 616		0.43	CROWN	5988341	562117
ATWS-ICY PASS 1.2.3		4.23	CROWN	5988283	562238
ATWS-ICY PASS 2.4.2		1.39	CROWN	5988196	561498
ATWS-ICY PASS 2.1	617+400_R0	0.03	CROWN	5988130	561686
ATWS-ICY PASS 2.2	617+450_R0	0.12	CROWN	5988140	561607
ATWS-ICY PASS 2.3	617+800_R0	1.55	CROWN	5988125	561275
ATWS-ICY PASS 1.2.2	618+000_R0	3.65	CROWN	5987919	561165
ATWS-ICY PASS 2.4.1	618+250_R0	7.00	CROWN	5988031	560866
ATWS-ICY PASS 1.2.1	618+600_R0	2.11	CROWN	5987832	560334
ATWS-ICY PASS 8	619+400_R0	0.74	CROWN	5987978	559745
ATWS-ICY PASS KP 619+900	619+900_R0	0.61	CROWN	5988098	559389
TOTAL		57.29			

LEGEND :

- Proposed Pipeline
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit
- Wetlands

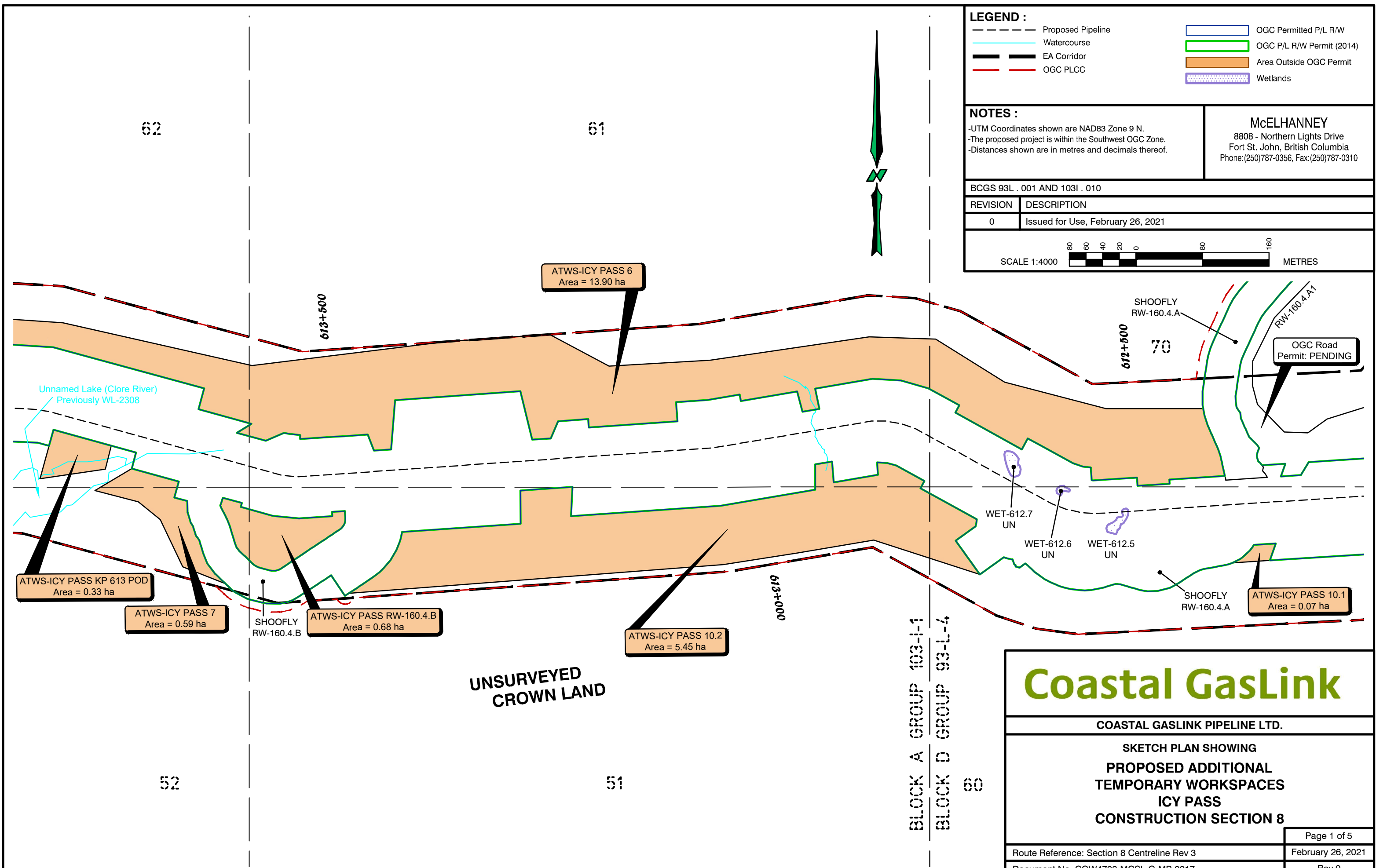
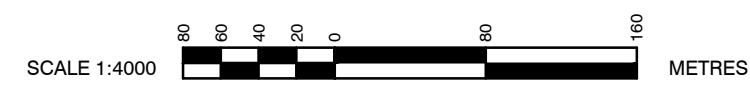
NOTES :

- 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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310

BCGS 93L . 001 AND 103I . 010

REVISION	DESCRIPTION
0	Issued for Use, February 26, 2021



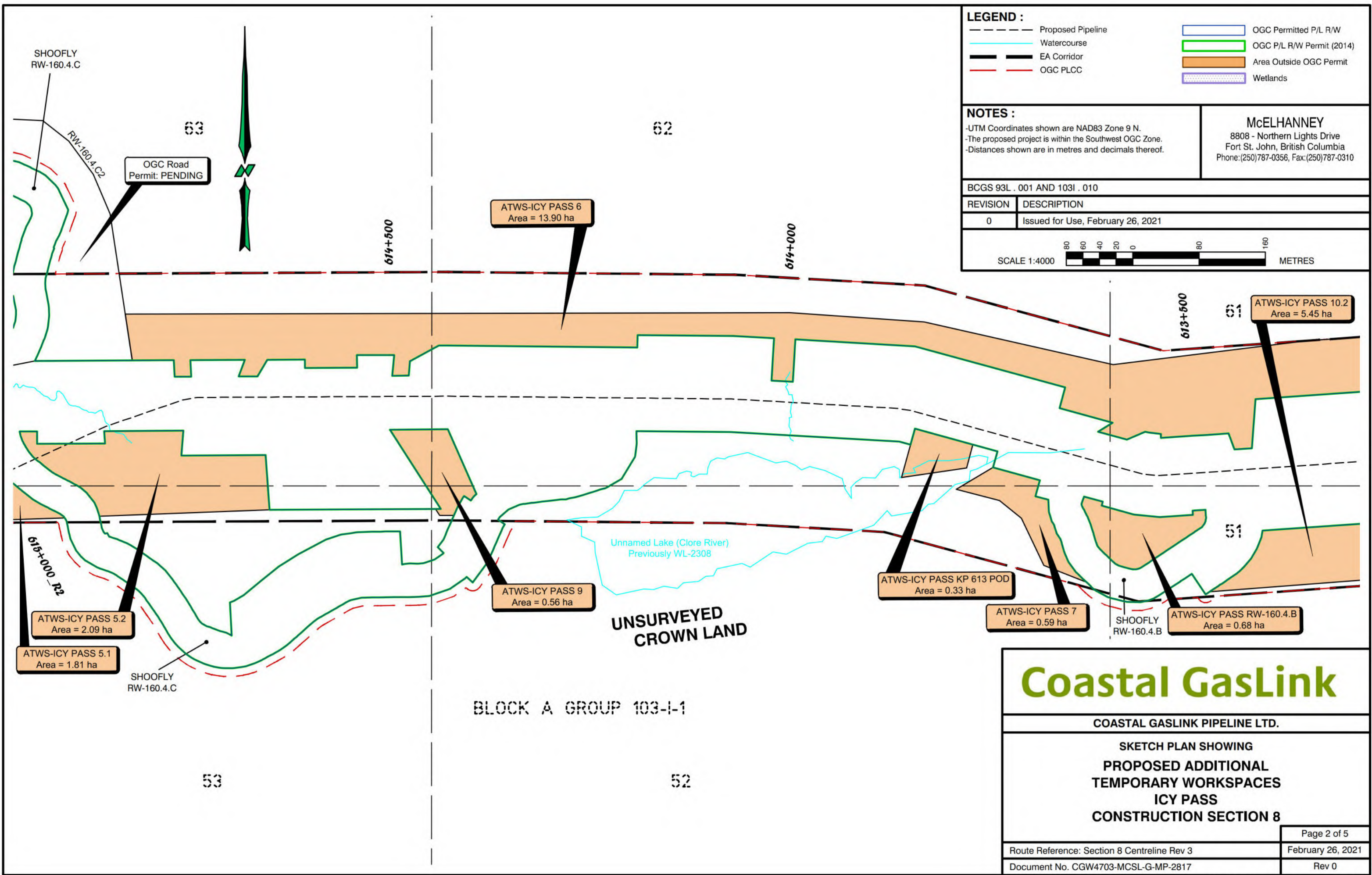
**UNSURVEYED
CROWN LAND**

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

**SKETCH PLAN SHOWING
PROPOSED ADDITIONAL
TEMPORARY WORKSPACES
ICY PASS
CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 1 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	EA Corridor		Area Outside OGC Permit
	OGC PLCC		Wetlands

NOTES :

- UTM Coordinates shown are NAD83 Zone 9 N.
- The proposed project is within the Southwest OGC Zone.
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Coastal GasLink

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SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 ICY PASS
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 2 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0

LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	EA Corridor		Area Outside OGC Permit
	OGC PLCC		Wetlands

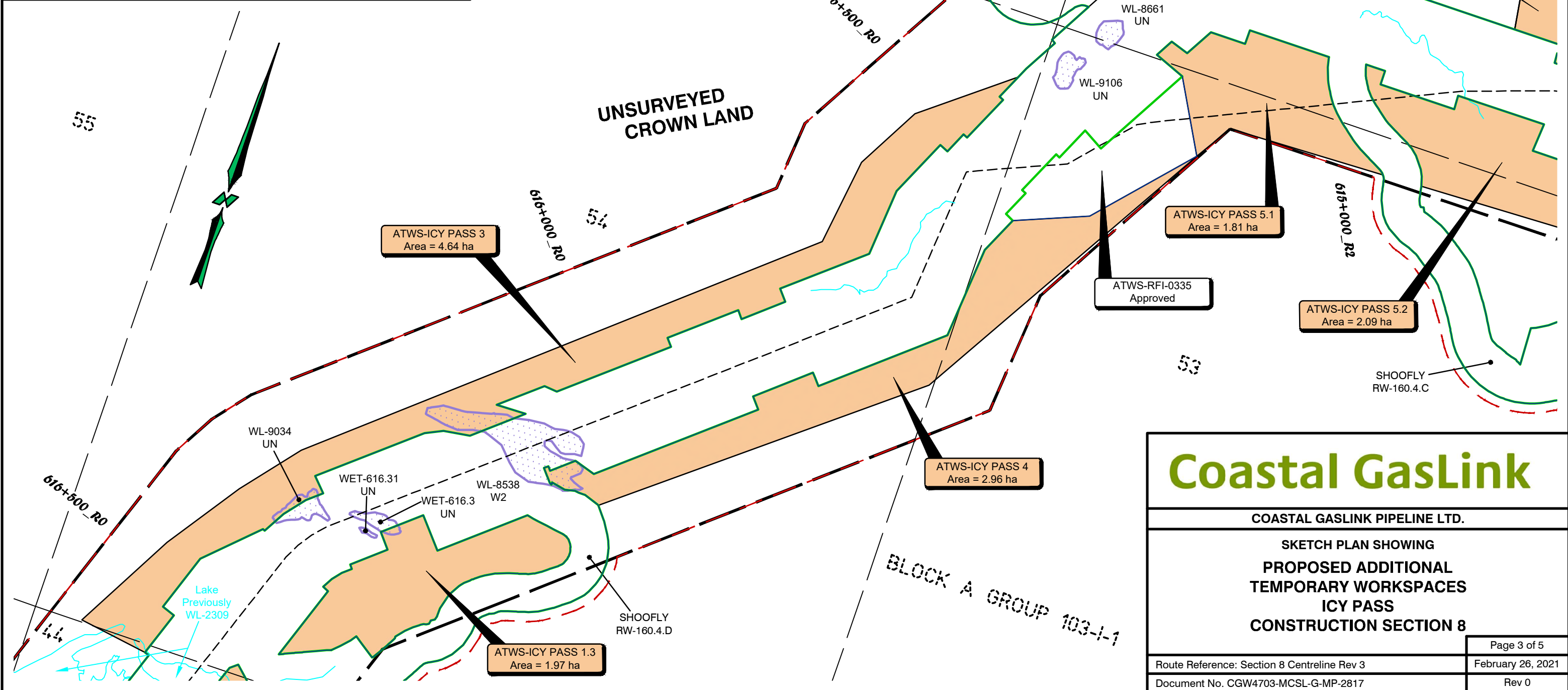
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SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 ICY PASS
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 3 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0

LEGEND :

 Proposed Pipeline	 OGC Permitted P/L R/W
 Watercourse	 OGC P/L R/W Permit (2014)
 EA Corridor	 Area Outside OGC Permit
 OGC PLCC	 Wetlands

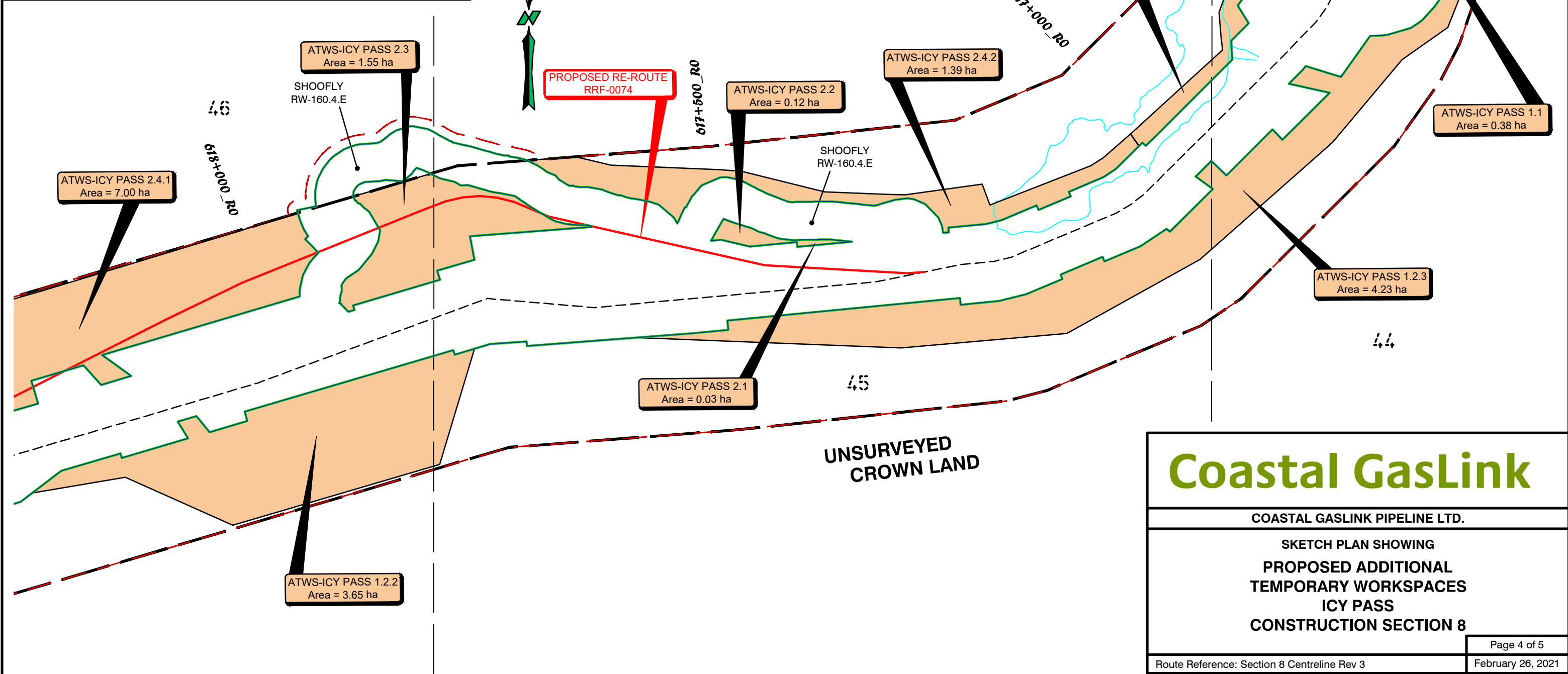
NOTES :

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REVISION	DESCRIPTION
0	Issued for Use, February 26, 2021

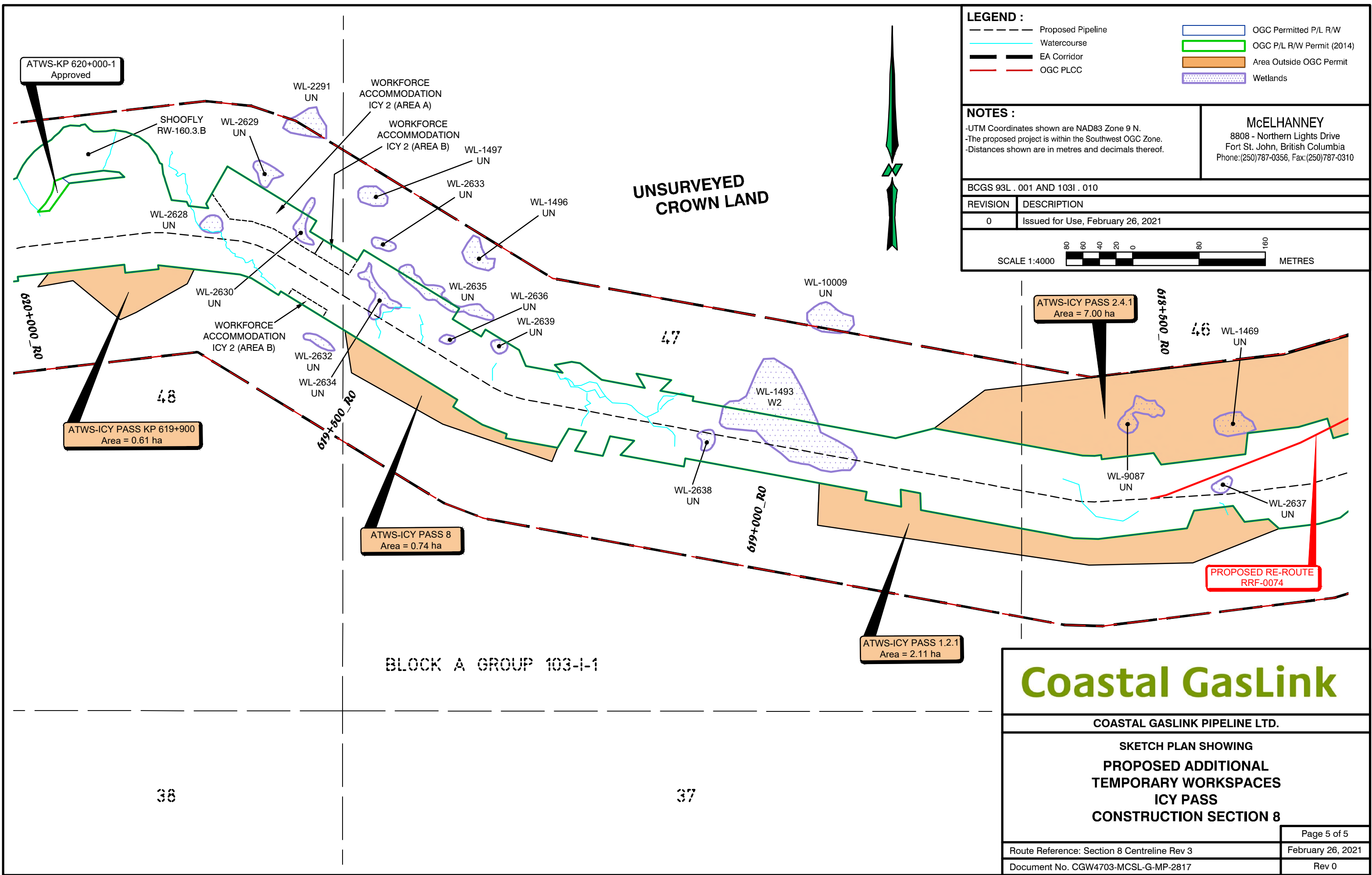


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SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 ICY PASS
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 4 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	EA Corridor		Area Outside OGC Permit
	OGC PLCC		Wetlands

NOTES :

- 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.

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REVISION	DESCRIPTION
0	Issued for Use, February 26, 2021

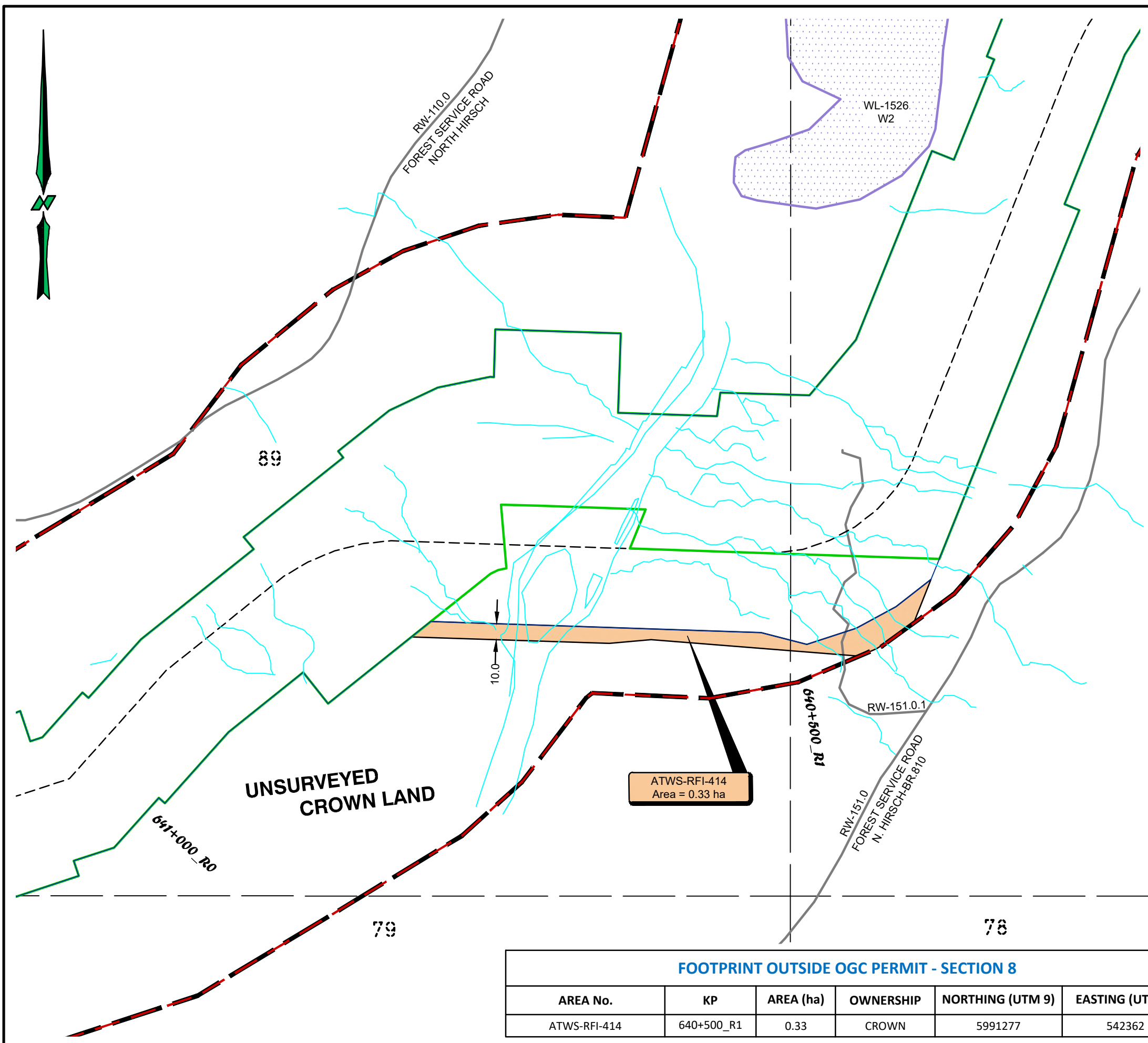
SCALE 1:4000 METRES

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 ICY PASS
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	Page 5 of 5
Document No. CGW4703-MCSL-G-MP-2817	February 26, 2021
	Rev 0



LEGEND :

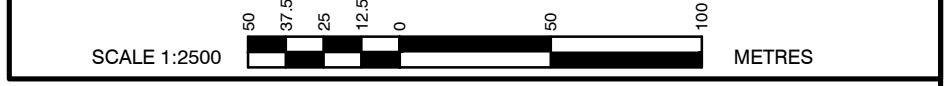
	Proposed Pipeline		OGC Permitted P/L R/W
	Watercourse		OGC P/L R/W Permit (2014)
	Road		Area Outside OGC Permit
	EA Corridor		Wetlands
	OGC PLCC		

NOTES :
 -UTM Coordinates shown are NAD83 Zone 9 N.
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BCGS 103I . 009

REVISION	DESCRIPTION
0	Issued for Use, March 3, 2021



BLOCK C GROUP 103-I-1

Coastal GasLink

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACE
 RFI-414
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev 3	March 3, 2021
Document No. CGW4703-MCSL-G-MP-2829	Rev 0

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8

AREA No.	KP	AREA (ha)	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-RFI-414	640+500_R1	0.33	CROWN	5991277	542362



LEAVE OF COMMISSION FORM Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: OGC, Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200	Date Received
--	---------------

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8 (see Mapbook)		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless: a) a previously disturbed area is less than 2 hectares; b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.	
Rationale for Request	Coastal GasLink requires new additional temporary workspace of approximately 57.29 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Extra workspace required to facilitate rock scaling and realignment of pipeline to avoid steep side slopes.	
Desired Date of Request Completion	April 1, 2021 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation – comments in attachment	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Kitselas First Nation – comments in attachment	<input checked="" type="checkbox"/> Leave of Commission Form	
Skin Tyee Nation – comments in attachment	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Wet'suw et'en First Nation – comments in attachment		
Office of the Wet'suw et'en – comments in attachment		
Carrier Sekani Tribal Council		
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request on February 26, 2021.		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		

WORKS IN AND ABOUT A STREAM

N/A E

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major	Ice Bridge	Other (please,)	

ADDITIONAL INFORMATION REQUIREMENTS

F

Attach any documentation that will support a Commission Review:

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION

G

I, Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2021/03/03

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

s16

Pages: 566-592

Keough, Dana

From: Swan, Ian
Sent: Wednesday, February 24, 2021 1:12 PM
To: Hicks, LeeAnn
Cc: Stark, Ryan
Subject: RE: RE: DRAFT Referral Letter - Haisla - 100112840 and 100112864 - Coastal GasLink Pipeline Ltd.

Hi Lee Ann,

Thanks for drafting this bundled referral letter to Haisla. I've made some edits (mostly to the activity descriptions for each application) and saved my revised version in e-binder: [K:\Aboriginal Affairs Policy and Land Use\Electronic Binder\1. AMS\100112840 - CGL Section 10 Section 11\Haisla](#)

Once you've reviewed and incorporated/corrected my tracked changes, this letter should be good to finalize and the applications can be referred to Haisla. For file 100112840, please make sure to include the work plan document labelled as "Other" in AMS (Work Plan – WC661.pdf) when you upload to Haisla's FTP.

Thanks!

Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
[Office Address Directory](#)
bcogc.ca

T. 250 419-4485
F. 250-419-4403
s17



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From: Hicks, LeeAnn
Sent: Tuesday, February 23, 2021 2:02 PM
To: Swan, Ian
Cc: Stark, Ryan
Subject: RE: DRAFT Referral Letter - Haisla - 100112840 and 100112864 - Coastal GasLink Pipeline Ltd.

Hi Ian,

Please find attached a DRAFT version of the referral letter for AMS# 100112840 and 100112864 for your review. Please let me know of any changes you require. I have saved a copy of this DRAFT in ebinder for both files.

Thanks
Lee Ann

s16

Pages: 594-596

Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, February 23, 2021 10:55 AM
To: Bromba, Rebekkah
Cc: Nielsen, Angela C
Subject: RE: AMS #100112746 - CGL - Section 10

Yes please and so many thanks.

I noticed that in the FN form the POD 613 has this in the description: "A turn around/staging area as well as a water storage tank is required by the Contractor to facilitate water withdrawal" and wondered if that was new temporary workspace.

Thank you ever so much for your assistance. I am going to hold off on referring this to the Nations until we hear back

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

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From: Bromba, Rebekkah <Rebekkah.Bromba@BCOGC.ca>
Sent: Tuesday, February 23, 2021 9:51 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: AMS #100112746 - CGL - Section 10

Hi Sarah,

Jacque forwarded me your questions, I will send the on to CGL. I was just taking a quick peak through the application and they have also included a temporary access in the maps that is not included in the application. Would you like me to cc' you in the email?



Rebeccah Bromba
Natural Resource Officer
Rebeccah.Bromba@BCOGC.ca

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F. 250-794-5390



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From: Bourke, Jacqueline <Jacqueline.Bourke@bcogc.ca>
Sent: Tuesday, February 23, 2021 10:37 AM
To: Bromba, Rebeccah <Rebeccah.Bromba@BCOGC.ca>
Subject: FW: AMS #100112746 - CGL - Section 10



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
F. 250-794-5390



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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Tuesday, February 23, 2021 10:29 AM
To: Bourke, Jacqueline <Jacqueline.Bourke@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: AMS #100112746 - CGL - Section 10

Hi Jacque –

There is an error in this application and one quick question for CGL.

Firstly – the First Nations Project Description Form (FNPDF) does not match the printed application:

- In the FNPDF POD 609 is called (AMS POD 001) and POD 613 is called AMS POD 002
- In the Printed Application POD 613 is POD 001 and POD 609 is AMS POD 002

Additionally the printed application states that both PODs will be used for hydrostatic testing. The numbers for POD 001 (POD613) appear to be low 2550 m3 / Daily, 2550 m3 / Year One, 2550 m3 / Year Two, 5100 m3 / Total - I just want to confirm this POD is in fact for hydrostatic testing.

Thank you ever so much

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
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bcogc.ca

T. 250 638-6404

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Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, February 23, 2021 10:49 AM
To: Nielsen, Angela C; Stark, Ryan
Subject: RE: 100112746 SOE Report - Section 10

Hi all –

I have noticed some deficiencies with this application and have sent it to Jacquie for some clarification. She also looped in the NRO

Here are the issues:

Firstly – the First Nations Project Description Form (FNPDF) does not match the printed application:

- In the FNPDF POD 609 is called (AMS POD 001) and POD 613 is called AMS POD 002
- In the Printed Application POD 613 is POD 001 and POD 609 is AMS POD 002

Additionally the printed application states that both PODs will be used for hydrostatic testing. The numbers for POD 001 (POD613) appear to be low 2550 m3 / Daily, 2550 m3 / Year One, 2550 m3 / Year Two, 5100 m3 Total - I want to confirm this POD is in fact for hydrostatic testing because that is a very low number

I propose holding off referral until we receive a responses to these errors

Cheers

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Tuesday, February 23, 2021 9:41 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: 100112746 SOE Report - Section 10

Good morning,

We have received a Section 10 application from Coastal GasLink Pipeline Ltd. There are discrepancies with this application which Sarah figured out and sent and email to Jacquie (attached). I have also attached the noted documents for ease. Looks like this is going to have to be revised.

First Nations impacted:

OW (Sun House)

Skin Tyee Nation

Wet'suwet'en First Nation

Impacted but we don't consult:

Carrier Sekani Tribal Council (triggered for Wet'suwet'en)

Hagwilget Village

Moricetown Band



Angela Nielsen

First Nations Liaison Assistant

Angela.Nielsen@bcogc.ca

Fort St John BC

[Office Address Directory](#)

bcogc.ca

T. 250 794-5266

F. 250-794-5390



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**APPLICATION MANAGEMENT SYSTEM****APPLICATION REPORT**

The information contained within this report is a summary of the content that was accepted into the Commission's Application Management System.

APPLICATION OVERVIEW

Application Type: New OGAA	Application Number: 100112746	Revision Number: 0
Created Date: 01-26-2021	Submitted Date: 02-22-2021	
List of Activities:	Short Term Water Use (POD)	
Application Description:	<p>The Coastal GasLink Pipeline Project (Project) includes an approximately 670km long NPS 48 pipeline traveling from Dawson Creek to Kitimat, plus associated above-ground facilities. This section 10 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The Project was approved by the BC Environmental Assessment Office (EAO) under Environmental Assessment Certificate (EAC) #E14-03 and is subject to the conditions of that EAC (including the requirements to abide by the Environmental Management Plan currently on file with both the EAO and OGC). The specific details of this application are as follows:</p> <p>This section 10 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230/ Legacy OGC file No. 9708372 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The specific details of this application are as follows:</p> <p>Point of Diversions identified in this application are required to facilitate pipeline construction activities, such as:</p> <ul style="list-style-type: none">• Access Works: Freezing in of construction access, ice bridges, and snow fill as required• Clearing: Water trucks for fire control during burning, freezing in of clearing access, ice bridges, and snow fill as required• Grading: Dust control• Bores, Direct Pipe Installation, and other trenchless crossings: Drilling mud and fluids• Hydrostatic testing	
OGC Operational Zones:	South West	

PROPONENT INFORMATION

Proponent Name:	Coastal GasLink Pipeline Ltd.		
Proponent Address:	450 - 1st Street SW Calgary , AB. T2P5H1 CA		
Proponent Phone Number:	(587) 933-3854	Proponent Email:	robert_macleod@transcanada.com
Proponent Fax:	(403) 920-2347	Proponent File Reference:	
Contact Name:	Tracy Young	Contact Phone:	(778) 328-5327
Contact Fax:	null	Contact Email:	tracy_young@tcenergy.com
Contact Address:			

AREA DETAILS

Total Application Area (ha):	0
Total Area of Crown Land (ha):	0
Total Area of Private Land (ha):	0

ADMINISTRATIVE INFORMATION

Representative Name:	Tracy Young		
Type:	Other		
File Reference:	Coastal Gaslink Project		
Phone:	(778) 328-5327	Email:	tracy_young@tcenergy.com

Address:	
Company:	Coastal GasLink Pipeline Ltd.
Representative Description	
Representative Name:	Kelsey Tunney
Type:	Other
File Reference:	
Phone:	(403) 726-7177
Email:	kelsey.tunney@jacobs.com
Address:	
Company:	
Representative Description	Jacobs Canada Inc.

SHORT TERM WATER USE - POINT OF DIVERSION

Short Term Water Use Number:	0005893		
BCGS Map:	103I.010 93L.001		
Proposed Start Date:	11-01-2021	Proposed Completion Date:	01-01-2023
Primary Activity Type:	Associated Oil & Gas Activity		
File XREF Number:	9708372		
Activity Description:			
<p>This section 10 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230/ Legacy OGC file No. 9708372 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The specific details of this application are as follows:</p> <p>Point of Diversions identified in this application are required to facilitate pipeline construction activities, such as:</p> <ul style="list-style-type: none"> • Access Works: Freezing in of construction access, ice bridges, and snow fill as required • Clearing: Water trucks for fire control during burning, freezing in of clearing access, ice bridges, and snow fill as required • Grading: Dust control • Bores, Direct Pipe Installation, and other trenchless crossings: Drilling mud and fluids • Hydrostatic testing <p>The Water Supply Demand Analysis that is provided with this application identifies average monthly discharges of the source and flow sensitivity for all months indicating where there should be potential allocations throughout the year for the particular water source. There are PODs where water is not available during some months based on Risk Management Level identified in the report. Coastal GasLink acknowledges OGC may incorporate permit conditions restricting withdrawal during certain periods of the year.</p> <p>See project description form for site-specific information.</p>			
Has every point of diversion been verified to sustain water withdrawal?	Yes		
Has previous approval been issued for the water withdrawal?	No		

LAKE/POND POINT OF DIVERSION: 001

POINT OF DIVERSION DETAILS

Name:	Unnamed Lake (Clore River) - POD613		
Are temporary works required for distribution of fresh water on Crown land?			Yes
Purpose:	Industrial: Pressure Testing	Surface Area < 5ha:	Yes
Average Depth (m):	1	Surface Area of the Lake (ha):	5.1
	Zone	Northing	Easting
Point of Diversion(UTM) Location:	09	5989547	564336
Year One Volume (m³):	2550	Year Two Volume (m³):	2550
Proposed Volume/Day (m³):	2550	Proposed Total Volume(m³):	5100

STREAM/RIVER POINT OF DIVERSION: 002

POINT OF DIVERSION DETAILS

Name:	Unnamed Tributary (Clore River) POD609		
Are temporary works required for distribution of fresh water on Crown land?			No
Average Stream Depth (m):	0.73	Wetted Stream Width (m):	12.5
Purpose:	Industrial: Pressure Testing	Flow (m³/s):	0.887
	Zone	Northing	Easting
Point of Diversion(UTM) Location:	09	5991056	568260
Date of Measurement:	02-04-2021		
Year One Volume (m³):	20000	Year Two Volume (m³):	20000
Proposed Volume/Day (m³):	12960	Proposed Total Volume(m³):	40000

MAPS & PLANS DETAILS

Survey Company:	McElhanney Associates Land Surveying Ltd.		
Job Number:	CE769504.A.CS.EV.RP.11		
Sheet Number:	1-2	Original Plan Date:	01-15-2021
Revised Plan Date:		Revision Number:	0

PROJECT DESCRIPTION FORM

Company Name: Coastal GasLink Pipeline Ltd.

OGC File No: 100112746

Company File No.: 120496

PROJECT DESCRIPTION

1. **What is the scope of the proposed activity?** (Include infrastructure and equipment, and geospatial data on anticipated total land disturbance.)

The Coastal GasLink Pipeline Project (Project) includes an approximately 670km long NPS 48 pipeline traveling from Dawson Creek to Kitimat, plus associated above-ground facilities. This section 10 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The Project was approved by the BC Environmental Assessment Office (EAO) under Environmental Assessment Certificate (EAC) #E14-03 and is subject to the conditions of that EAC (including the requirements to abide by the Environmental Management Plan currently on file with both the EAO and OGC). The specific details of this application are as follows:

This section 10 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230/ Legacy OGC file No. 9708372 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The specific details of this application are as follows:

Point of Diversions identified in this application are required to facilitate pipeline construction activities, such as:

- **Access Works:** Freezing in of construction access, ice bridges, and snow fill as required
- **Clearing:** Water trucks for fire control during burning, freezing in of clearing access, ice bridges, and snow fill as required
- **Grading:** Dust control
- **Bores, Direct Pipe Installation, and other trenchless crossings:** Drilling mud and fluids
- **Hydrostatic testing**

The Water Supply Demand Analysis that is provided with this application identifies average monthly discharges of the source and flow sensitivity for all months indicating where there should be potential allocations throughout the year for the particular water source. There are PODs where water is not available during some months based on Risk Management Level identified in the report. Coastal GasLink acknowledges OGC may incorporate permit conditions restricting withdrawal during certain periods of the year.

Site Specific:

POD 609 (AMS POD 001): All workspace required will use existing access routes and be within the approved Project Footprint near KP 609. Coastal GasLink requires a Section 10 at this POD location in order to withdrawal water from a S2 stream (Enviro ID 50C2A) classified through field verification, for the purpose of Hydrostatic testing of the pipeline. A maximum daily withdrawal rate of 12,960 m³/day (a

pump rate of 0.15m³/s) will be required to facilitate hydrostatic testing. Water storage tanks maybe required by Coastal GasLink's contractor and location will be determined during construction specific activities. A pump may be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45 mm to prevent fish passage through the screen.

POD 613 (AMS POD 002): All workspace required will use existing access routes as the POD lies with the Project Construction corridor, along the Pipeline Right of Way near KP613. Coastal GasLink requires a Section 10 at this POD location in order to withdrawal water from a L3 lake (Enviro ID L001) classified through field verification, for the purpose of Hydrostatic testing of the pipeline. A turn around/staging area as well as a water storage tank is required by the Contractor to facilitate water withdrawal. Location(s) will be determined during construction specific activities. A pump may be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45 mm to prevent fish passage through the screen.

2. Provide information about any roads required to carry out the proposed activity:

Existing or permitted access roads will be utilized for access and to carry out the activity, when applicable.

3. Detail the order in which the proposed activities will be carried out, including timeframes:

Work associated with this proposed activity, if approved, could be anticipated to occur shortly after receipt and for the full two-year approved term.

4. If the activity is planned in phases, describe each phase of the activity:

The proposed activity will support the construction of the Coastal GasLink pipeline project.

5. What are the estimated increases to dust, noise and odours from the proposed activity?

There will be noise and odor associated with the equipment used to withdraw and transport water, which is anticipated to be temporary in nature.

6. Detail any mitigation activities that will be carried out:

An Environmental Management Plan (EMP) has been produced for the Coastal GasLink Pipeline Project. The mitigation measures outlined in this plan will be implemented and adhered to.

7. Detail the nature and extent of vehicle traffic required to carry out the proposed activity:

Increased traffic will be temporary in nature and associated with the construction of these activities. An Environmental Management Plan (EMP) which includes a Traffic Management Control Plan has been developed for the Coastal GasLink Pipeline Project. Applicable mitigation in the EMP will be adhered to.

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Morice Land and Resource Management Plan	Morice Water Management Area		Water Mgmt Area
Morice Land and Resource Management Plan	Grizzly Bear Management Areas		Remote GB Management Zone
Morice Land and Resource Management Plan	Caribou Habitat Management Areas		Caribou_connect
Morice Land and Resource Management Plan	Identified Scenic Areas		Atna Lk & River
Morice Land and Resource Management Plan	Ecosystems of Cultural Significance		YES

Legal Planning Objectives

Plan Name	Objective	Name	Value
Morice Land and Resource Management Plan	No Timber Harvesting Areas	NTHA	Morice Range Nanika Lake 1

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Morice Land and Resource Management Plan	15	Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Carrier Sekani Tribal Council

Wet'suwet'en Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier

TR0609T033

Wildlife Habitat Areas - Approved

WHA

Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA

Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Pinus albicaulis	Whitebark Pine	Proposed		

Layers Queried Successfully

Areas Established by the Commission	Parks, Ecological Reserves, and Protected Areas	First Nations Cultural Areas (Confidential)
Muskwa Kechika Management Area	First Nations Consultation Boundaries - Internal (Confidential)	First Nation Consultation Areas (Confidential)
Petroleum Titles	Water Management Basins	Crown Land Leases - Non Agriculture
Crown Land Leases - Agriculture	Crown Land Reserves and Notations	Critical Habitat for Federally-Listed Species at Risk - Posted
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: Nielsen, Angela C
Sent: Tuesday, February 23, 2021 10:31 AM
To: Thomas, Sarah; Swan, Ian
Cc: Hicks, LeeAnn; Stark, Ryan
Subject: 100112840 SOE Report - Section 10 & Section 11
Attachments: 100112840 SOE Report.pdf; 100112840 Project Description Form.docx

Good morning,

We have received a Section 10 / Section 11 application from Coastal GasLink Pipeline Ltd. This Section 10 and 11 is required in support of construction of pipeline Section 8 (9708372). They are being requested to work in conjunction together to lower the level of the lake (unnamed) and allow for in-filling. Removing the water will limit the possibility of sediments being washed away during construction and will allow it to be easier to control with sediment fencing if there is no standing water. It will also allow for easier compaction for engineering purposes.

First Nations impacted:
Haisla Nation
Kitselas First Nation
Skin Tyee Nation



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
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First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Kalum Land and Resource Management Plan	Primitive ROS Classes:Leavers 1997		qros_3
Kalum Land and Resource Management Plan	Grizzly Bear Identified Watersheds	Y	McKay - Davies
Kalum Land and Resource Management Plan	Grizzly Bear Population Units		Bulkley-Lakes
Kalum Land and Resource Management Plan	Resource Management Zones		GEN

Legal Planning Objectives

Plan Name	Objective	Name	Value
Kalum Sustainable Resource Management	Grizzly Bear Identified Watersheds	IWG_NAME	McKay - Davies

Plan

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Kalum Sustainable Resource Management Plan	18	Legal
Kalum Land and Resource Management Plan	21	Approved

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Tsimshian First Nations

Haisla Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
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Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
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Wildlife Management

Trapline Boundaries

Trapline Area Identifier

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
No value	No value	No value	No value	No value

Layers Queried Successfully

Areas Established by the Commission	Parks, Ecological Reserves, and Protected Areas	First Nations Cultural Areas (Confidential)
First Nations Consultation Boundaries - Internal (Confidential)	Muskwa Kechika Management Area	First Nation Consultation Areas (Confidential)
Water Management Basins	Petroleum Titles	Crown Land Leases - Non Agriculture
Critical Habitat for Federally-Listed Species at Risk - Posted	Crown Land Leases - Agriculture	Crown Land Reserves and Notations
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

PROJECT DESCRIPTION FORM

Company Name: Coastal GasLink Pipeline Ltd.

OGC File No: 100112840

Company File No.: 120496

PROJECT DESCRIPTION

1. **What is the scope of the proposed activity?** (Include infrastructure and equipment, and geospatial data on anticipated total land disturbance.)

Coastal GasLink Pipeline Ltd. (Coastal GasLink) will construct and operate a natural gas pipeline from the area near the community of Groundbirch (about 40 km west of Dawson Creek, British Columbia [BC]) to the LNG Canada Development Inc. (LNG Canada) liquefied natural gas (LNG) export facility (LNG Canada export facility) near Kitimat, BC.

The Coastal GasLink Pipeline Project (Project) involves the construction and operation of:

- approximately 670 km of 48-inch (NPS 48) (1,219 mm) diameter pipeline
- metering facilities at the receipt and delivery points at up to three locations
- compressor stations at up to eight locations

The Project will have an initial capacity of about 2 to 3 billion cubic feet/day (bcf/d) (56 million cubic metres per day [mmcm/d] to 85 mmcm/d), with the potential for expansion up to about 5 bcf/d (142 mmcm/d). The expansion scenarios do not involve the construction of additional pipeline; only the number of compressor stations would change.

This Section 10 and 11 is required in support of construction of pipeline Section 8 permitted under the British Columbia Oil and Gas Commission (OGC) permit AD 100084230/ Legacy OGC #9708372 and other OGC related activities permits (e.g. ancillary, access) issued for the Project. The specific details of this application are as follows:

Point of Diversions identified in this application are required to facilitate pipeline construction activities, such as:

- **Access Works:** Freezing in of construction access, ice bridges, and snow fill as required
- **Clearing:** Water trucks for fire control during burning, freezing in of clearing access, ice bridges, and snow fill as required
- **Grading:** Dust control
- **Bores, Direct Pipe Installation, and other trenchless crossings:** Pre-test drilling mud and fluids
- **Hydrostatic testing**

The Water Supply Demand Analysis that is provided with this application identifies average monthly discharges of the source and flow sensitivity for all months indicating where there should be potential allocations throughout the year for the particular water source. Coastal GasLink acknowledges OGC may incorporate permit conditions restricting withdrawal during certain periods of the year based on Risk Management Level identified in the report.

The proposed Section 10 POD locations and Section 11 within this application are being requested to work in conjunction together to lower the level of the lake and allow for the in-filling completed under the changes in and about a stream within this application to be done with as minimal ESC risk as possible. Removing the water will limit the possibility of sediments being washed away during construction and will allow it to be easier to control with sediment fencing if there is no standing water. It will also allow for easier compaction for engineering purposes.

This lake is a unnamed lake in the Kitimat River (watershed code 910-673500-90100) with a riparian class of L3. This lake is considered non-fish bearing as it is above three waterfall obstacles that have been documented as non-fish bearing (Applied Ecosystem Management Ltd., 2002).

Applied Ecosystem Management Ltd. 2002. *Reconnaissance (1:20 000) Fish and Fish Habitat Inventory of Upper Kitimat Rover Project Area WSC: 910-673500-00000-*. Prepared by Skeena Sawmills Ltd. Terrace, British Columbia.

Site Specific Activities:

POD KP616 (AMS POD 001): All workspace and access required will be within the approved project footprint. Water withdrawal volumes requested at this location are required for Hydrostatic testing of the pipeline. A maximum daily withdrawal rate of 12,960m³/day (Pump rate of 9m³/min) will be required to facilitate hydrostatic testing. A pump may also be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45mm to prevent fish passage through the screen.

POD KP617 (AMS POD 002): All workspace and access required will be within the approved project footprint. Water withdrawal volumes requested at this location are required for Hydrostatic testing of the pipeline. A maximum daily withdrawal rate of 12,960m³/day (Pump rate of 9m³/min) will be required to facilitate hydrostatic testing. A pump may also be used but will avoid any shallow areas in the proposed water source, and the screen or mesh size will be smaller than 2.45mm to prevent fish passage through the screen.

Coastal GasLink requires a Section 11 at these POD locations in order to work within and lower the lake level of a L3 Lake (Crossing point ID listed in the table below), which were classified through field verification, and interest with the activity footprint.

CGL Crossing Point ID	AMS ID
661-1 S	AMS Stream Impact 1
661-2 E	AMS Stream Impact 2
661-3 S	AMS Stream Impact 3
661-4 E	AMS Stream Impact 4
661-5 S	AMS Stream Impact 5
661-6 E	AMS Stream Impact 6
661-7 S	AMS Stream Impact 7
661-8 M	AMS Stream Impact 8
661-9 E	AMS Stream Impact 9

Additional site-specific information regarding the in-stream works proposed have been provided in the Works Plan document attached to this application.

2. Provide information about any roads required to carry out the proposed activity:

Existing or permitted access roads, as well as the existing Right of Way (RoW), will be utilized for access and to carry out the activity, when applicable

3. Detail the order in which the proposed activities will be carried out, including timeframes:

Work associated with the Section 10 proposed activity, if approved, could be anticipated to occur shortly after receipt and for the full two-year approved term.

Work associated with the Section 11 stream diversions, if approved, is planned to start in June 2021 and be permanent and will not be reinstated after the crossing is completed.

4. If the activity is planned in phases, describe each phase of the activity:

The proposed activity will support the construction of the Coastal GasLink pipeline project in Construction Section 8.

Additional site-specific information regarding the stream's construction plan has been provided in the Works Plan's document attached to this application.

5. What are the estimated increases to dust, noise and odours from the proposed activity?

There will be dust, noise and odor associated with the equipment used to withdraw and transport water, which is anticipated to be temporary in nature.

6. Detail any mitigation activities that will be carried out:

An Environmental Management Plan (EMP) has been produced for the Coastal GasLink Pipeline Project. The mitigation measures outlined in this plan will be implemented and adhered to.

7. Detail the nature and extent of vehicle traffic required to carry out the proposed activity:

Increased traffic will be temporary in nature and associated with the use and upgrades of the access roads and withdrawal activities. An EMP which includes a Traffic Management Control Plan has been developed for the Coastal GasLink Pipeline Project. Applicable mitigation in the EMP will be adhered to.

Keough, Dana

From: Stark, Ryan
Sent: Monday, February 22, 2021 9:54 AM
To: Thomas, Sarah; Swan, Ian; Nielsen, Angela C
Cc: Thoroughgood, Garth
Subject: RE: CGL Leave Request - Section 8, Condition 21, 24

This is excellent work!



Ryan Stark
Manager, Decision Support
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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 22, 2021 9:41 AM
To: Swan, Ian <Ian.Swan@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: CGL Leave Request - Section 8, Condition 21, 24

Morning all,

We have a Leave Request in Section 8 that impacts HN and KFN

Please take a quick look. Ang I used the template ;)

<K:\Major Projects\Coastal GasLink\Leaves & Satisfaction\FN Consultation\2021-02-19 - Section 8 - Condition 21, 24>

Much thanks

Sarah



Keough, Dana

From: Swan, Ian
Sent: Monday, February 8, 2021 4:05 PM
To: Hicks, LeeAnn
Cc: Stark, Ryan; Nielsen, Angela C; Thomas, Sarah
Subject: RE: AMS# 100112771 - Coastal GasLink Pipeline Ltd. - SOE Report
Attachments: 100112771_Referral Letter_Haisla_2021FEB08.docx

Hi Lee Ann,

I've drafted a referral letter to Haisla for this CGL Sec 11 application (AMS# 100112771). I've attached the referral letter here and also [saved it in e-binder](#).

I drafted a referral email as well:

s13

s13

Also, there were two documents uploaded to AMS as part of this application that were labeled as "Other" that should be included in the referral to Haisla:

- Work Plan for Cable Crane Hill Permanent Diversion.xlsx
- CGL4703-WPC-GT-MEM-035-0.pdf

Can you please review the draft letter/email, finalize the referral package, and refer out to Haisla Nation?

Let me know if there's anything I can do to support.

Thanks,
Ian



Ian Swan
First Nations Liaison Officer
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From: Thomas, Sarah
Sent: Friday, February 5, 2021 2:13 PM
To: Hicks, LeeAnn ; Swan, Ian
Cc: Stark, Ryan ; Nielsen, Angela C
Subject: RE: AMS# 100112771 - Coastal GasLink Pipeline Ltd. - SOE Report

Ian and Ryan – take a look at this... I am going to ask Jacquie if it should be an amendment to the other stream diversions... it confused me



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From: Hicks, LeeAnn <LeeAnn.Hicks@bcogc.ca>
Sent: Friday, February 5, 2021 1:09 PM
To: Swan, Ian <Ian.Swan@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: AMS# 100112771 - Coastal GasLink Pipeline Ltd. - SOE Report

Good afternoon,

Please see the attached SOE Report submitted by Coastal GasLink Pipeline Ltd. for a Section 11, Changes In and About a Stream. This section 11 is required in support of construction of pipeline Section 8 permitted under OGC permit AD 100084230/ OGC Legacy #9708372 and other OGC related activities permits (e.g. ancillary, access) issued for the Project.

IMPACTED FIRST NATIONS:

Haisla Nation Council
Kitselas First Nation

Thank you,

Lee Ann



First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Kalum Land and Resource Management Plan	Resource Management Zones		GEN
Kalum Land and Resource Management Plan	Grizzly Bear Population Units		Bulkley-Lakes
Kalum Land and Resource Management Plan	Grizzly Bear Identified Watersheds	Y	McKay - Davies

Legal Planning Objectives

Plan Name	Objective	Name	Value
Kalum Sustainable Resource Management Plan	Grizzly Bear Identified Watersheds	IWG_NAME	McKay - Davies

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Kalum Sustainable Resource Management Plan	18	Legal
Kalum Land and Resource Management Plan	21	Approved

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name
No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier
TR0603T079

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
No value	No value	No value	No value	No value

Layers Queried Successfully

Parks, Ecological Reserves, and Protected Areas	Areas Established by the Commission	Muskwa Kechika Management Area
First Nations Cultural Areas (Confidential)	First Nations Consultation Boundaries - Internal (Confidential)	Petroleum Titles
First Nation Consultation Areas (Confidential)	Water Management Basins	Crown Land Leases - Non Agriculture
Crown Land Leases - Agriculture	Critical Habitat for Federally-Listed Species at Risk - Posted	Crown Land Reserves and Notations
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: s19
Sent: Thursday, February 4, 2021 9:40 AM
To: Lapp, Suzan
Subject: RE: CGL Grade Reinstatement discussion
Attachments: CGP-00001_020012_MP_Construction Progress_PPT_20210104_WP1.png

Absolutely Suzan, I agree!

It would be great to get you out in the field to have a first hand look at the activities once travel restrictions are lifted.

I am also not a fan of temporary measures utilized for long term reclamation due to the maintenance requirements but that is generally a site specific decision based on the conditions of the area.

Of course, Randy as well as s19 should be part of the conversation. I just wanted to give you an idea of what is going on ahead of the meeting to start the conversation so I sent off some quick pictures.

If you would like anything else like the reclamation plan that they submitted to the EAO, construction maps etc...don't hesitate to ask.

I did attach the last construction update map so you can see the progress and that there are areas that are already have pipe in the ground and are in the "machine clean-up" phase.

Cheers,



s19

From: Lapp, Suzan <Suzan.Lapp@bcogc.ca>
Sent: Tuesday, February 2, 2021 5:04 PM
To: s19
Subject: RE: CGL Grade Reinstatement discussion

Thanks for sending these. At some point I would like to get out and see this in person.

From what I can tell, the real challenge is going to be shedding the water at regular intervals along the pipeline so it doesn't all end up in the creek. I'm not a fan of sediment fence, as it's usually installed incorrectly and then doesn't get removed and stops working in the near future. I would rather see more natural measures put in place; however, that also depends on the soil (substrate) and terrain. It would be good to hear your perspective since you're more familiar with the area too.

After the call today it would be good to touch base. I am sure Randy would like to be part of the conversation too.

Thanks again



Suzan Lapp Ph.D., P.A.G., P.Geo.
Hydrologist
Suzan.Lapp@BCOGC.ca

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From: s19
Sent: Tuesday, February 2, 2021 9:49 AM
To: Lapp, Suzan <Suzan.Lapp@bcogc.ca>
Subject: RE: CGL Grade Reinstatement discussion

Hey Suzan,

Since you have not been able to see the sites that we will be talking about I have made a folder for you with some ROW pictures from Section 8 to give you a better understanding of the terrain and the works that are occurring prior to the meeting. I also threw in some Heli shots at the beginning so you can see Icy Pass where the pipeline is planned to go, the first pic shows the road being constructed and starting to switch back into the pass. Not the greatest photos but I hope this helps.

[K:\C & E Shared\For Suzan\Photos from s19 CGL Sec 8](#)

Any questions/clarifications don't hesitate to ask,



s19



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From: Lapp, Suzan <Suzan.Lapp@bcogc.ca>
Sent: Monday, February 1, 2021 7:23 AM
To: Lang, Randy <Randy.Lang@bcogc.ca>; Smook, Patrick <Patrick.Smook@bcogc.ca>
s19
Subject: RE: CGL Grade Reinstatement discussion

The 8th works for me too.



Suzan Lapp Ph.D., P.A.G., P.Geo.
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From: Lang, Randy <Randy.Lang@bcogc.ca>
Sent: Friday, January 29, 2021 8:04 PM
To: Smook, Patrick <Patrick.Smook@bcogc.ca>
s19
[<Suzan.Lapp@bcogc.ca>](mailto:Suzan.Lapp@bcogc.ca)
Subject: Re: CGL Grade Reinstatement discussion

Lapp, Suzan

The 8th will work.
Randy

Sent from my iPhone

On Jan 29, 2021, at 4:24 PM, Smook, Patrick <Patrick.Smook@bcogc.ca> wrote:

Hi All,

Please see below from Tracy Young at CGL. They would like to discuss grade re-instatement and final drainage patterns at crossings where natural grade cannot be re-established.

She's suggested some dates below. Feb 1st doesn't work for me, but Feb 8th does. Does the Feb 8th date work for everyone?

Thanks,

Patrick

<image001.jpg>

Patrick Smook RPF, MBA
Executive Director, Compliance &
Enforcement
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<image002.png>

<image003.png>

<image004.png>

<image005.jpg>

<image006.jpg>

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Thursday, January 28, 2021 9:54 AM

To: Smook, Patrick <Patrick.Smook@bcogc.ca>; Chris.Parks (Chris.Parks@gov.bc.ca)
<Chris.Parks@gov.bc.ca>

Cc: Dan Wyman <dan_wyman@tcenergy.com>; Joseph Campbell <joseph_campbell@tcenergy.com>

Subject: CGL Grade Reinstatement discussion

Hi Patrick and Chris,

Coastal GasLink had a discussion with OGC engineers at the end of 2020 to discuss that there would be locations along the pipeline footprint where grade would not be re-instated due to pipeline integrity and/or geotechnical considerations e.g. limitations on depth of cover over the pipeline, terrain stability. No concerns were raised from the engineering or pipeline integrity perspective however we thought it would be a good idea to have a similar discussion with you and your inspectors to bring a general awareness that Coastal GasLink will not be able to fully replace grade cuts at some stream approaches or where there are particularly steep side slopes or rock bluffs.

If such a discussion would be of value, we propose to have a meeting to discuss the project's planned approach with some examples. Is there a day/time that would work for you and your team to have an hour meeting in the next week or two? As an option, there is the biweekly inspectors call for the west side of the Project next Monday (Feb 1st) from 10 to 10:30am PST, we could extend that time slot to 11am. Alternatively, the inspector discussion for the east side is scheduled for Feb 8th at 1pm PST. Please let me know if one of those time slots would work or if there is a different day/time that would work better.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile: s22

TCEnergy.com

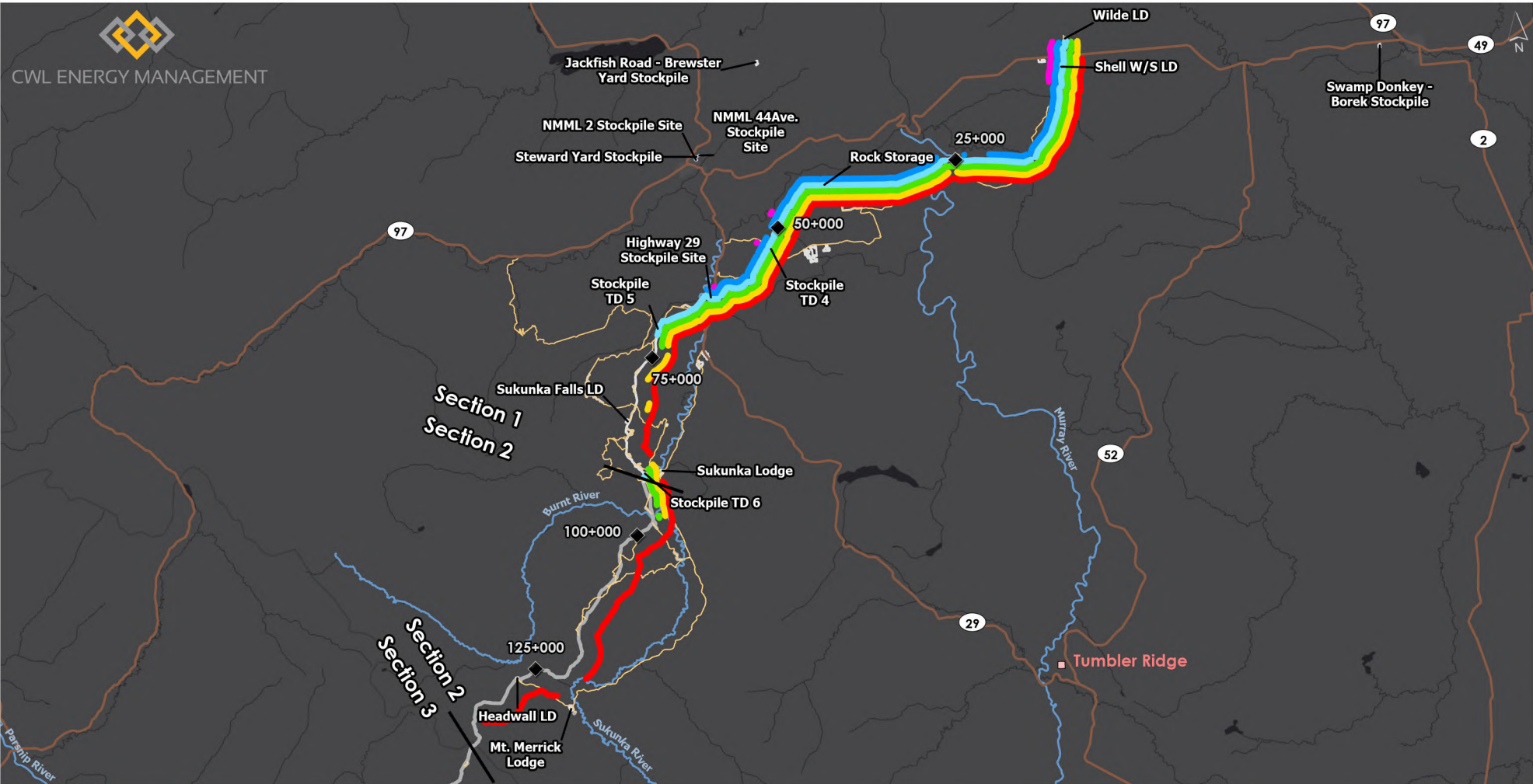
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Thank you

Coastal GasLink Pipeline Project



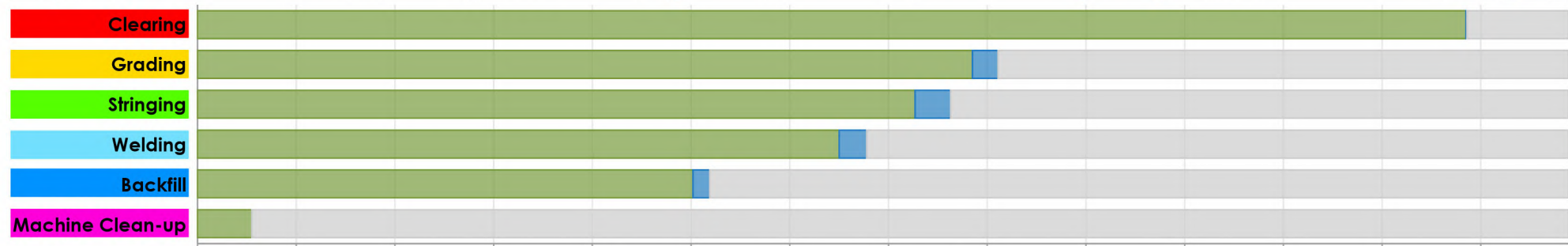
Work Package 1 Sections 1 & 2



Coastal GasLink Project

- ◆ KP
- Construction Spread
- Division
- Contractor Footprint
- Transportation
 - Road
 - Contractor Road
- Hydrography
 - Major River

Construction Progress **04/01/2021**
Percent Complete **42.4%**



Previously Completed	Dec 14 to Dec 31	Total	Percent
128.5 km	0.1 km	128.6 km	92.6%
78.5 km	2.6 km	81.1 km	58.4%
72.7 km	3.6 km	76.3 km	54.9%
65.0 km	2.8 km	67.7 km	48.8%
50.2 km	1.7 km	51.9 km	37.4%
5.5 km	0.0 km	5.5 km	3.9%

Keough, Dana

From: Swan, Ian
Sent: Wednesday, February 3, 2021 2:04 PM
To: Thomas, Sarah
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Right on, thanks!



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Wednesday, February 3, 2021 12:28 PM
To: Swan, Ian <Ian.Swan@bcogc.ca>
Subject: FW: CGL Leave Request - Section 8, Condition 17 &18 - Review

Haisla can go! I just sent the others. Ryan is taking OW



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Wednesday, February 3, 2021 11:43 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>

Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@bcogc.ca>; Anderson, Justin <Justin.Anderson@bcogc.ca>

Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Thanks Sarah,

Based on my review and our conversations, I am satisfied that:

- For the Sec. 7 Leave Request, DH is potentially impacted and not OW.
- For the Sec. 8 Leave Request, OW is potentially impacted and not DH.

Lets distribute these Leave Requests today.

Cheers,

Ryan



Ryan Stark
Manager, Decision Support
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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 4:45 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

SOE reports are done

I got DH for Section 7 but not 8 - I will await your findings.

Section 5 letters are complete and SOE is also complete. Below is the link to the folders

[K:\Major Projects\Coastal GasLink\Leaves & Satisfactions\FN Consultation](#)

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, February 1, 2021 1:42 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Thank you Sarah,

As soon as Whistler is back, I'll have a look.

Great work!

How you feeling?

Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 12:27 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Section 7 & 8 letters and tables can go as soon as we get SOE confirmation for Section 7 and Dark House!

I just need to PDF them and send you a link to OW and DH

I'll do that when we get conformation



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, February 1, 2021 10:32 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

On it.



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
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F. 250-794-5390
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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 10:17 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Hi Ryan –

I have a SOE for Section 8 but cannot get Whistler to work for me this morning. I keep getting an error. Can you confirm DH in Section 7 but not 8 and get me an SOE for Section 7? Please and thank you

MUCH THANKS

Sarah

Section 7:

Northing (UTM 9)	Easting (UTM 9)
6007418.9	599204.0
6007442.7	599205.5

Section 8:

Northing (UTM 9)	Easting (UTM 9)
5997575.7	574483.7
5997471.5	574352.2



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, February 1, 2021 9:06 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

How can I assist with the Leave Requests to OW? Any to DH. When is ETA for distribution?

Thank you very much!!



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, February 1, 2021 9:52 AM
To: Swan, Ian <Ian.Swan@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Thanks Ian -

I have an identical request for Section 7 to add to OW so let me add that Leave Request to this one and then we can send.

Ian Haisla is not impacted but we may as well send at the same time

I will send along the updated letters for review later today

Thank you

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Swan, Ian <Ian.Swan@bcogc.ca>
Sent: Friday, January 29, 2021 4:03 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Request - Section 8, Condition 17 &18 - Review

Hi Sarah,

I just looked over the Haisla letter and concerns summary table and they look good to me.

Anything specific in the other packages you want reviewed? If they're the same as the Haisla example, I'd expect they're fine as well.

Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Friday, January 29, 2021 3:46 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: CGL Leave Request - Section 8, Condition 17 &18 - Review

Afternoon all,

Here is the next Leave Request. Can someone take a look since I want second eyes as I am not 100% all here

[K:\Major Projects\Coastal GasLink\Leaves & Satisfactions\FN Consultation\2021-01-28 - CGL - Section 8, Condition 17 & 18](#)

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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Keough, Dana

From: McNutt, Dawn
Sent: Tuesday, February 2, 2021 9:00 AM
To: O'Flaherty, Sandy; Nielsen, Angela C; Thomas, Sarah; Swan, Ian; Hicks, LeeAnn; Erickson-Fearon, Candace
Cc: Stark, Ryan
Subject: AA100108752 - Coastal GasLink Pipeline Ltd. - Correction Letter
Attachments: AA100108752_CORRECTION LETTER_2021FEB02.pdf

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

Fort St John BC
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T. 250 794-5271
F. 250 794-5390



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February 2, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

Re: Correction of an Amendment to Application Determination Number 100084698, OGC Legacy # 9643663

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Amendment Issuance: March 27, 2020
Date of Correction: February 2, 2021
Application Determination Number: 100084698
Amendment Application Number: 100108752

The BC Oil and Gas Commission hereby corrects the amendment to a permit identified and dated above as follows:

- **Amendment Application Number in amendment should read: 100108752 not 0.0**

RE: Amendment to Application Determination Number 100084698

Permit Holder: Coastal GasLink Pipeline Ltd.
Amendment Date of Issuance: March 27, 2020
Amendment Effective Date: March 27, 2020
Application Submission Date: July 31, 2019
Amendment Application Number: 100108752

The Permit Holder must comply with any permissions, authorizations, approvals and conditions set out in the original permit, any subsequent amendments to the permit and any additional corrections as set out herein.

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



Jacqueline Bourke
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – Roy Northern Land Service Ltd.
First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)

Keough, Dana

From: Nielsen, Angela C
Sent: Thursday, January 21, 2021 11:38 AM
To: Thomas, Sarah; Stark, Ryan
Subject: 100112274 SOE Report - CGL Access Road
Attachments: 100112274 SOE Report.pdf; 100112274 Project Description Form.pdf

Good morning,

We have received an application from Coastal GasLink Pipeline Ltd. for an access road from a-76-D, 93-L-4 to b-76-D, 93-L-4 near Kitimat. There is a total new cut of 5.374ha with a total project area of 6.627ha required. There are also 3 water course crossings included in this application.

First Nations impacted:

OW
Skin Tyee Nation
Wet'suwet'en First Nation

Not consulting:

Carrier Sekani Tribal Council
Hagwilget Village
Moricetown Band



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
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T. 250 794-5266
F. 250-794-5390



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PROJECT DESCRIPTION FORM

Company Name: Coastal GasLink Pipeline Ltd

OGC File No: 100112274

Company File No.: RW-211.0

PROJECT DESCRIPTION

1. What is the scope of the proposed activity? (Include infrastructure and equipment, and geospatial data on anticipated total land disturbance.)

To operate an access road with a surface location from a-76-D, 93-L-4 to b-76-D, 93-L-4, near the community of Kitimat, B.C. New cut of 5.347 ha, and total area of 6.627 ha is required.

Equipment for the proposed access road will include regular pickup trucks, tracked excavators, dozers, dump and rock trucks, graters and clearing equipment, though additional equipment may be utilized depending on the site conditions, terrain, and design.

2. Provide information about any roads required to carry out the proposed activity:

Where existing roads are not available, Coastal GasLink will develop new roads during the construction of the Coastal GasLink Pipeline Project. Roughly 60 km of new access roads will be needed throughout the project. New Road Construction may involve clearing, laying down gravel, grading, and installing pull-outs where necessary. New roads to permanent ancillary sites such as compressor stations and launcher/receiver stations will be permanent and will be owned/operated by Coastal GasLink. Roads developed solely for pipeline construction will be decommissioned and reclaimed under the guidance of the appropriate regulatory authority.

3. Detail the order in which the proposed activities will be carried out, including timeframes:

Commencing in the fourth quarter of 2020 or the first quarter of 2021.

4. If the activity is planned in phases, describe each phase of the activity:

Subject to the receipt of regulatory approval, access road construction would commence. Construction and use of the proposed access road will last about three to four years. Where an access road provides access to a compressor station or launcher/receiver station it will be required for the duration of operation of the pipeline. This access road does not provide access to such a station.

5. What are the estimated increases to dust, noise and odours from the proposed activity?

There will be exhaust emissions from the equipment while working but should not exceed normal expectations given the type of work involved.

There will be an increase in noise associated with the construction operations. Once complete, noise would be limited to vehicles involved in routine use of the road. Noise Emissions associated with this Project will comply with OGC's guidelines.

6. Detail any mitigation activities that will be carried out:

All activities associated with the design, construction and operation of the proposed access road will be conducted in accordance with applicable safety regulations, the Commission requirements and Coastal GasLink and its contractor's safety programs.

7. Detail the nature and extent of vehicle traffic required to carry out the proposed activity:

During the construction phase of the project there will be an increase in traffic along a dedicated traffic route. Once construction is complete there will be minimal traffic for routine maintenance.

Coastal GasLink will work closely with the Ministry of Transportation and Infrastructure (MOTI) to manage various road and traffic strategies to ensure that impacts to public roads and related residents are minimized. Some of these strategies include traffic control, dust control and coordination of access in sensitive areas.

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission's website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Morice Land and Resource Management Plan	Morice Water Management Area		Water Mgmt Area
Morice Land and Resource Management Plan	Grizzly Bear Management Areas		Remote GB Management Zone
Morice Land and Resource Management Plan	Caribou Habitat Management Areas		Caribou_connect
Morice Land and Resource Management Plan	Identified Scenic Areas		Atna Lk & River
Morice Land and Resource Management Plan	Ecosystems of Cultural Significance		YES

Legal Planning Objectives

Plan Name	Objective	Name	Value
Morice Land and Resource Management Plan	No Timber Harvesting Areas	NTHA	Morice Range Nanika Lake 1

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Morice Land and Resource Management Plan	15	Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Carrier Sekani Tribal Council

Wet'suwet'en Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier

TR0609T033

Wildlife Habitat Areas - Approved

WHA

Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA

Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Pinus albicaulis	Whitebark Pine	Proposed		
Pinus albicaulis	Whitebark Pine	Proposed		
Pinus albicaulis	Whitebark Pine	Proposed		
Pinus albicaulis	Whitebark Pine	Proposed		

Layers Queried Successfully

Parks, Ecological Reserves, and Protected Areas	Areas Established by the Commission	Muskwa Kechika Management Area
First Nations Cultural Areas (Confidential)	First Nations Consultation Boundaries - Internal (Confidential)	First Nation Consultation Areas (Confidential)
Petroleum Titles	Water Management Basins	Crown Land Leases - Non Agriculture
Crown Land Leases - Agriculture	Crown Land Reserves and Notations	Critical Habitat for Federally-Listed Species at Risk - Posted
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: Nielsen, Angela C
Sent: Thursday, January 14, 2021 9:58 AM
To: Thomas, Sarah; Stark, Ryan
Cc: Howes, Ken
Subject: 100112276 SOE Report - CGL Proposed Road
Attachments: 100112276 SOE Report.pdf; 100112276 Project Description Form.pdf; 100112276 CGL Program Summary.pdf

Good morning,

We have received a new application from Coastal GasLink Pipeline Ltd. to operate an access road with a surface location from a-70-D, 93-L-4 to a-70-D, 93-L-4. New cut of 0.503 ha, and total area of 1.406 ha is required.

RW-160.4.A1 will be approximately 0.466 km in length and have a nominal width of 13.3m and a maximum width of 62.4m and is located approximately 42.5km east of Kitimat.

First Nations impacted:
OW
Skin Tye Nation
Wet'sutwet'en First Nation

Not consulting:
Carrier Sekani Tribal Council
Hagwilget Village
Moricetown Band

Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
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T. 250 794-5266
F. 250-794-5390



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Access Roads New Road Construction

RW-160.4.A1

(Approximately KP 612.100)

Coastal GasLink Pipeline Ltd., a wholly owned subsidiary of TransCanada Pipelines Limited, will require access roads during the construction of the Coastal GasLink Pipeline Project. Access Roads will be required to reach various sections along the pipeline Right-of-Way or ancillary sites not adjacent to the pipeline. Proposed RW-160.4.A1 is located approximately 42.5km East of Kitimat.

PURPOSE

LOCATION AND ACCESS

Where existing roads are not available, Coastal GasLink will develop new roads during the construction of the Coastal GasLink Pipeline Project. Roughly 60 km of new access roads will be needed throughout the project. New Road Construction may involve clearing, laying down gravel, grading, and installing pull-outs where necessary. New roads to permanent ancillary sites such as compressor stations and launcher/receiver stations will be permanent and will be owned/operated by Coastal GasLink. Roads developed solely for pipeline construction will be decommissioned and reclaimed under the guidance of the appropriate regulatory authority.

SIZE

RW-160.4.A1 will be approximately 0.466 km in length and have a nominal width of 13.3m and a maximum width of 62.4m.

SCHEDULE AND DURATION

Subject to the receipt of regulatory approval, access road construction would commence. Construction and use of the proposed access road will last about three to four years. Where an access road provides access to a compressor station or launcher/receiver station, it will be required for the duration of operation of the pipeline. This access road does not provide access to such a station.

EQUIPMENT AND PERSONNEL

Equipment associated with constructing access roads includes tree harvesters, earth movers, dozers, dump trucks, graders and pickup trucks.



Example of New Road Construction



PROJECT DESCRIPTION FORM

Company Name: Coastal GasLink Pipeline Ltd

OGC File No: 100112276

Company File No.: RW-160.4.A1

PROJECT DESCRIPTION

1. What is the scope of the proposed activity? (Include infrastructure and equipment, and geospatial data on anticipated total land disturbance.)

To operate an access road with a surface location from a-70-D, 93-L-4 to a-70-D, 93-L-4, near the community of Kitimat, B.C. New cut of 0.503 ha, and total area of 1.406 ha is required.

Equipment for the proposed access road will include regular pickup trucks, tracked excavators, dozers, dump and rock trucks, graters and clearing equipment, though additional equipment may be utilized depending on the site conditions, terrain, and design.

2. Provide information about any roads required to carry out the proposed activity:

Where existing roads are not available, Coastal GasLink will develop new roads during the construction of the Coastal GasLink Pipeline Project. Roughly 60 km of new access roads will be needed throughout the project. New Road Construction may involve clearing, laying down gravel, grading, and installing pull-outs where necessary. New roads to permanent ancillary sites such as compressor stations and launcher/receiver stations will be permanent and will be owned/operated by Coastal GasLink. Roads developed solely for pipeline construction will be decommissioned and reclaimed under the guidance of the appropriate regulatory authority.

3. Detail the order in which the proposed activities will be carried out, including timeframes:

Commencing in the fourth quarter of 2020 or the first quarter of 2021.

4. If the activity is planned in phases, describe each phase of the activity:

Subject to the receipt of regulatory approval, access road construction would commence. Construction and use of the proposed access road will last about three to four years. Where an access road provides access to a compressor station or launcher/receiver station it will be required for the duration of operation of the pipeline. This access road does not provide access to such a station.

5. What are the estimated increases to dust, noise and odours from the proposed activity?

There will be exhaust emissions from the equipment while working but should not exceed normal expectations given the type of work involved.

There will be an increase in noise associated with the construction operations. Once complete, noise would be limited to vehicles involved in routine use of the road. Noise Emissions associated with this Project will comply with OGC's guidelines.

6. Detail any mitigation activities that will be carried out:

All activities associated with the design, construction and operation of the proposed access road will be conducted in accordance with applicable safety regulations, the Commission requirements and Coastal GasLink and its contractor's safety programs.

7. Detail the nature and extent of vehicle traffic required to carry out the proposed activity:

During the construction phase of the project there will be an increase in traffic along a dedicated traffic route. Once construction is complete there will be minimal traffic for routine maintenance.

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Morice Land and Resource Management Plan	Morice Water Management Area		Water Mgmt Area
Morice Land and Resource Management Plan	Grizzly Bear Management Areas		Remote GB Management Zone
Morice Land and Resource Management Plan	Caribou Habitat Management Areas		Caribou_connect
Morice Land and Resource Management Plan	Ecosystems of Cultural Significance		YES
Morice Land and Resource Management Plan	Identified Scenic Areas		Atna Lk & River

Legal Planning Objectives

Plan Name	Objective	Name	Value
Morice Land and Resource Management Plan	No Timber Harvesting Areas	NTHA	Morice Range Nanika Lake 1

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Morice Land and Resource Management Plan	15	Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Carrier Sekani Tribal Council

Wet'suwet'en Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier

TR0609T033

Wildlife Habitat Areas - Approved

WHA

Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA

Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Pinus albicaulis	Whitebark Pine	Proposed		

Layers Queried Successfully

Areas Established by the Commission	Parks, Ecological Reserves, and Protected Areas	First Nations Cultural Areas (Confidential)
First Nations Consultation Boundaries - Internal (Confidential)	Muskwa Kechika Management Area	First Nation Consultation Areas (Confidential)
Petroleum Titles	Water Management Basins	Crown Land Leases - Non Agriculture
Crown Land Leases - Agriculture	Critical Habitat for Federally-Listed Species at Risk - Posted	Crown Land Reserves and Notations
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: Bourke, Jacqueline
Sent: Tuesday, January 5, 2021 4:30 PM
To: Thomas, Sarah
Cc: Stark, Ryan; Nielsen, Angela C
Subject: RE: 100111776-0 Task Halted
Attachments: CGL Road Applications AA#100111777 & 100111776

I'm thinking it has something to do with the attached information request. Lori sent an email this afternoon saying she was going to halt this one as well as 100111776 until CGL is able to asses how they want to proceed.

Hope that helps!

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
F. 250-794-5390



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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Tuesday, January 5, 2021 4:18 PM
To: Bourke, Jacqueline <Jacqueline.Bourke@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: 100111776-0 Task Halted

Hi Jacquie –

We can close this with Kitselas once it is taken out of halted. Do you know why it was halted?

Much thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Tuesday, January 5, 2021 3:12 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@bcogc.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: 100111776-0 Task Halted

This application has been halted as per below. Do we know what the issue is?

Halted at the request of Ashley Ayers, Project Coordinator for CWL, while CGL determines how to proceed.

Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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F. 250-794-5390



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Keough, Dana

From: Bromba, Rebecca
Sent: Tuesday, December 22, 2020 10:18 AM
To: 'dan_wyman@transcanada.com'
Cc: Bourke, Jacqueline; Phillips, Lori L; Anderson, Justin;
'applicationsbc@canadawestland.com'
Subject: CGL Road Applications AA#100111777 & 100111776

Good Morning,

I have started my review of applications 100111777 and 100111776 for long-term all-weather roads. I noted that both of the roads proposed in these applications are adjacent to permitted ancillary access roads and are short roads that do not connect to any other long-term roads. Why are long-term all-weather roads being proposed instead of amending the permitted ancillary access road footprints?

Thanks,



Rebecca Bromba
Natural Resource Officer
Rebecca.Bromba@BCOGC.ca

[Office Address Directory](#)
bcogc.ca

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F. 250-794-5390



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Keough, Dana

From: Thomas, Sarah
Sent: Tuesday, December 15, 2020 12:42 PM
To: Stark, Ryan
Subject: RE: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24 #KITSEL-DEV-PRJ-1377

Thanks Ryan!
s13

Did you get a chance to look at the application response I sent as well?

Thanks again

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
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T. 250 638-6404

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Tuesday, December 15, 2020 11:27 AM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Subject: RE: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24 #KITSEL-DEV-PRJ-1377

Hi Sarah,

If you and Justin are reasonably confident in your estimates, I recommend the following edits below in **purple**.

Great work!
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
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T. 250 794-5287
F. 250-794-5390

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>

Sent: Tuesday, December 15, 2020 12:19 PM

To: Stark, Ryan <Ryan.Stark@bcogc.ca>

Subject: FW: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24 #KITSEL-DEV-PRJ-1377

Here is my proposed response. Edit at will. s22

s13

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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T. 250 638-6404
s17



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From: Jane Hauser <pao@kitselas.com>
Sent: Monday, December 14, 2020 1:54 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Cedarbox <cedarbox@kitselas.com>
Subject: RE: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24 #KITSEL-DEV-PRJ-1377

Hi Sarah,
Please find Kitselas' response to this Leave Request, attached.

Thanks,
Jane



Jane Hauser
Project Assessment Officer
Kitselas Land & Resources Department

T: 250-615-4066
s22

2225 Gitau Road
Terrace, B.C. V8G 0A9
PAO@kitselas.com

From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: December 9, 2020 9:43 AM
To: Jane Hauser <pao@kitselas.com>
Cc: Cedarbox <cedarbox@kitselas.com>; Chris Apps <LR.Director@kitselas.com>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24

Good morning Jane,

Please find attached a notification letter regarding one (1) Leave Request recently received by the BC Oil & Gas Commission (the Commission) from Coastal GasLink Pipeline Ltd. (CGL).

If you have any questions, comments, or concerns, please contact me at Sarah.Thomas@bcogc.ca or by phone at (250) 638-6404.

Kind regards,
Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



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s16

Pages: 668-669

Keough, Dana

From: Anderson, Justin
Sent: Monday, December 14, 2020 4:40 PM
To: Thomas, Sarah
Subject: RE: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24 #KITSEL-DEV-PRJ-1377

A few points we can respond with without reaching out to CGL.

- The overall footprint has decreased significantly on all sections of the pipeline project.
- As per the most recent information I have in the last few months, as an example Section 7 has been decreased by 176.5 ha and Section 8 has decreased by 333 ha.
- Based on all leave requests to date, approximately 48 ha of ATWS has been added. (This is just from me adding it up, if we want a 100% definite number, we can go to CGL).
- During construction planning with the contractor for each section of the project, the contractor identified areas where they required less area and other areas where they would need additional area to conduct construction activities.



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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F. 250-794-5390



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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Monday, December 14, 2020 3:16 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: FW: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24 #KITSEL-DEV-PRJ-1377

Please see attached Kitselas's response to this Leave Request

Do you have an answer to this question?

s16

Thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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bcogc.ca

T. 250 638-6404
s17



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From: Jane Hauser <pao@kitselas.com>
Sent: Monday, December 14, 2020 1:54 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Cc: Cedarbox <cedarbox@kitselas.com>
Subject: RE: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24 #KITSEL-DEV-PRJ-1377

Hi Sarah,
Please find Kitselas' response to this Leave Request, attached.

Thanks,
Jane



Jane Hauser
Project Assessment Officer
Kitselas Land & Resources Department

T: 250-615-4066
s22

2225 Gitau Road
Terrace, B.C. V8G 0A9
PAO@kitselas.com

From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: December 9, 2020 9:43 AM
To: Jane Hauser <pao@kitselas.com>
Cc: Cedarbox <cedarbox@kitselas.com>; Chris Apps <LR.Director@kitselas.com>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: 2020-12-09 - CGL Leave Request - Section 8 Condition 21 & 24

Good morning Jane,

Please find attached a notification letter regarding one (1) Leave Request recently received by the BC Oil & Gas Commission (the Commission) from Coastal GasLink Pipeline Ltd. (CGL).

If you have any questions, comments, or concerns, please contact me at Sarah.Thomas@bcogc.ca or by phone at (250) 638-6404.

Kind regards,
Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404

s17



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Keough, Dana

From: Hewitt, Kate
Sent: Friday, December 11, 2020 12:15 PM
To: Scarr, Matthew; Howes, Ken; Stark, Ryan
Cc: Nielsen, Angela C; Thomas, Sarah; O'Flaherty, Sandy; Thoroughgood, Garth
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Hi – s17



Kate Hewitt
Strategic Relations Specialist
Kate.Hewitt@BCOGC.ca

Prince George BC
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T. 250 645-2905
F. 250-419-4403
s17



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From: Scarr, Matthew <Matthew.Scarr@bcogc.ca>
Sent: Friday, December 11, 2020 11:12 AM
To: Howes, Ken <Ken.Howes@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>; Hewitt, Kate <Kate.Hewitt@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

s17



Matthew Scarr
Manager, First Nations Relations
Matthew.Scarr@BCOGC.ca

Prince George BC
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From: Howes, Ken <Ken.Howes@BCOGC.ca>
Sent: Friday, December 11, 2020 11:04 AM
To: Scarr, Matthew <Matthew.Scarr@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>; Hewitt, Kate <Kate.Hewitt@bcogc.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Thanks Matt, to confirm, s17



Ken Howes
Director, Major Projects & Decision Support
Ken.Howes@BCOGC.ca

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F. 250-419-4403
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From: Scarr, Matthew <Matthew.Scarr@bcogc.ca>
Sent: Friday, December 11, 2020 8:21 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Howes, Ken <Ken.Howes@BCOGC.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>; Hewitt, Kate <Kate.Hewitt@bcogc.ca>
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Thanks for the heads up. Happy to review the draft.

s16

Matt



Matthew Scarr
Manager, First Nations Relations
Matthew.Scarr@BCOGC.ca

Prince George BC
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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Thursday, December 10, 2020 1:30 PM
To: Howes, Ken <Ken.Howes@BCOGC.ca>; Scarr, Matthew <Matthew.Scarr@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Hi Ken,

I 100% agree s13

Thanks,
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
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T. 250 794-5287
F. 250-794-5390
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From: Howes, Ken <Ken.Howes@BCOGC.ca>
Sent: Thursday, December 10, 2020 2:26 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Scarr, Matthew <Matthew.Scarr@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Thanks Ryan. s13



Ken Howes
Director, Major Projects & Decision Support
Ken.Howes@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Thursday, December 10, 2020 12:01 PM
To: Howes, Ken <Ken.Howes@BCOGC.ca>; Scarr, Matthew <Matthew.Scarr@bcogc.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Hi Folks,

Below is the latest response from Mike Ridsdale concerning our latest leave request shared this morning. s13

s16

Ken, I'll prepare a response for your review on Monday.

Thank you everyone!
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Mike Ridsdale <mike.ridsdale@wetsuweten.com>
Sent: Thursday, December 10, 2020 12:43 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Hi Ryan,

s16

s16

Sincerely,

Mike Ridsdale
EA Coordinator
Office of the Wet'suwet'en

From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: December-10-20 9:37 AM
To: Mike Ridsdale <mike.ridsdale@wetsuweten.com>
Cc: David Dewit <david.dewit@wetsuweten.com>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: CGL Leave Request Information Packages - Section 8, Conditions 21 and 24

Good Afternoon,

Please see the attached notification letter regarding two Leave Requests recently received by the BC Oil & Gas Commission (the Commission) from Coastal GasLink Pipeline Ltd. (CGL).

If you have any questions, comments or concerns, please contact me directly at Ryan.Stark@bcogc.ca or by phone at (250) 794-5287

Sincerely,

Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5287
F. 250-794-5390
s17



Keough, Dana

From: Swan, Ian
Sent: Thursday, December 10, 2020 2:30 PM
To: Thomas, Sarah
Cc: Stark, Ryan
Subject: RE: CGL Leave Request Section 8, Condition 39

Hi Sarah,

I've looked over the Haisla package, looks good.

I've pdf'd the letter and concerns table, ready to send to Haisla. Am I good to hit send?

Cheers,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
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T. 250 419-4485
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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Thursday, December 10, 2020 10:10 AM
To: Swan, Ian <Ian.Swan@BCOGC.ca>
Cc: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: CGL Leave Request Section 8, Condition 39

Hi Ian –

Here is another Leave Request for Haisla. Take a look at the letter and let me know if you see any changes and then I will send out Kitselas'

[K:\Major Projects\Coastal GasLink\Leaves & Satisfactions\FN Consultation\2020-12-09 - CGL - Section 8, Condition 39\HN](#)

THANK YOU

Sarah

Keough, Dana

From: Anderson, Justin
Sent: Wednesday, December 9, 2020 9:49 AM
To: Bourke, Jacqueline; Thomas, Sarah
Subject: FW: Coastal Gaslink Leave Request Sec 8 Condition 39
Attachments: CGL4703-CGP-REG-LEAVRQ-0096_Cond39_Kitimat River.pdf; OGC leave form Sec 8 Cond 39.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Phillips, Lori L <Lori.Phillips@BCOGC.ca>
Sent: Wednesday, December 9, 2020 8:41 AM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: Coastal Gaslink Leave Request Sec 8 Condition 39



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Tuesday, December 8, 2020 5:52 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>

Subject: Coastal Gaslink Leave Request Sec 8 Condition 39

Please find attached a request for leave to Section 8 (AD# 10084230) Condition 39 to clear within 1000 m of UWR U-6-001 to facilitate the crossing of the Kitimat River.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile: s22

TCEnergy.com

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Thank you

December 8, 2020

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0096

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Condition 39**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 39 – clearing within 1000 meters of Ungulate Winter Range (UWR) U-6-001.

Coastal GasLink requires leave of the Commission to clear a portion of the pipeline right of way within 1000 meters of U-6-001. This is necessary so that Coastal GasLink can construct the crossing of the Kitimat River in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to December 31, 2020.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION 39 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.

1.1 REASON FOR REQUEST

The Revision G route (Rev G) of the Coastal GasLink pipeline right-of-way (ROW) and associated footprint, overlaps or is located within the 1000 meters (m) of Ungulate Winter Range (UWR) U-6-001 between the following kilometre points (KPs):

- KP 619+000 to KP 623+482

Coastal GasLink is requesting leave of the Commission from Condition 39 to progress clearing activities between October 31 and June 15 between the following KPs in areas that overlap or are within 1000m of UWR U-6-001:

- **KP 623+400 (557096 m E 5989866 m N) to KP 623+482 (557030 m E 5989916 m N).**

These locations are shown on the map provided in Appendix A.

Although clearing and access development through this area has been completed, the riparian area of the Kitimat River needs to be cleared to allow for the construction of the pipeline watercourse crossing. These activities need to proceed during the restricted period outlined in Condition 39 to allow the Project to progress the watercourse crossing during an identified regional timing window.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

To reduce potential impacts to fish and fish habitat, the riparian vegetation from the Kitimat River was not removed when the rest of the right of way was cleared. The crossing of the Kitimat River is scheduled to occur in early 2021 to align with an identified regional timing window and therefore the riparian vegetation now needs to be removed. This will require clearing within the riparian area during the restricted

time period noted in Condition 39. The Kitimat River and its riparian area is on the edge of the 1000m buffer of UWR U-6-001.

2.2 ENVIRONMENTAL EFFECT

UWR U-6-001 was established to protect key habitat for mountain goat. The Environmental Assessment Office (EAO) Assessment Report outlines that the proposed Project would cause direct and indirect disturbance to the no harvest zone buffer (i.e. 1000 m buffer) around UWR U-6-001. Although the Project has the potential to cause habitat changes that facilitate access into the UWR and potentially increase disturbances that may displace mountain goats from preferred habitat, the EAO has concluded these effects would likely not be significant.

For the reasons described above in Section 2.1, the clearing and subsequent access development activities overlap the October 31 to June 15 timing restriction. Conducting clearing activities during these sensitive winter months could cause sensory disturbance to mountain goats potentially displacing individuals from preferred habitats however Coastal GasLink is committed to implementing the mitigation strategy detailed in the Environmental Management Plan and summarized in Section 3.0.

Ability to progress clearing in these sections of ROW and associated shooflies is critical to keeping the project to its proposed schedule and not having to extend the duration of the construction phase and potential associated impacts to mountain goats.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed specific mitigation for clearing and construction activities within mountain goat UWRs as indicated in the Wildlife and Wildlife Habitat Management Plan (WWHMP) (Appendix D.13 of the EMP). Coastal GasLink will implement the following mitigation that was developed in consultation with provincial and federal authorities and Indigenous groups which was approved by the EAO in early 2016:

- Construction activities within the UWR will be completed as quickly as practical to reduce the duration of activities in the UWR.
- Coastal GasLink will use existing roads/linear corridors for access wherever practical to avoid creating permanent access within 1,000 m of mountain goat UWR U-6-003, and 500 m of UWR U-6-001. Coastal GasLink will deactivate and reclaim all temporary construction access within 1,000 m of mountain goat UWRs.

- Coastal GasLink will reduce construction traffic within the UWR to the extent practical by using multi-passenger vehicles to transport workers. Post and enforce low speed limits on the ROW and construction access.
- Coastal GasLink will use minimum disturbance construction techniques in areas where grading or blasting is not necessary in order to facilitate rapid regeneration of natural vegetation following construction. Coastal GasLink will implement reclamation measures to reclaim habitat disturbed by the Project within mountain goat UWRs, such as natural regeneration, tree seedling planting, and shrub staking/planting.
- Coastal GasLink will implement access control measures along the Project ROW in accordance with the Access Control Management Plan (Appendix D.3 of the EMP). Coastal GasLink will also monitor access control measures during Post-Construction Monitoring Program and implement remedial measures, if warranted (i.e., adaptive management protocol).

In addition, Coastal GasLink has developed a project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

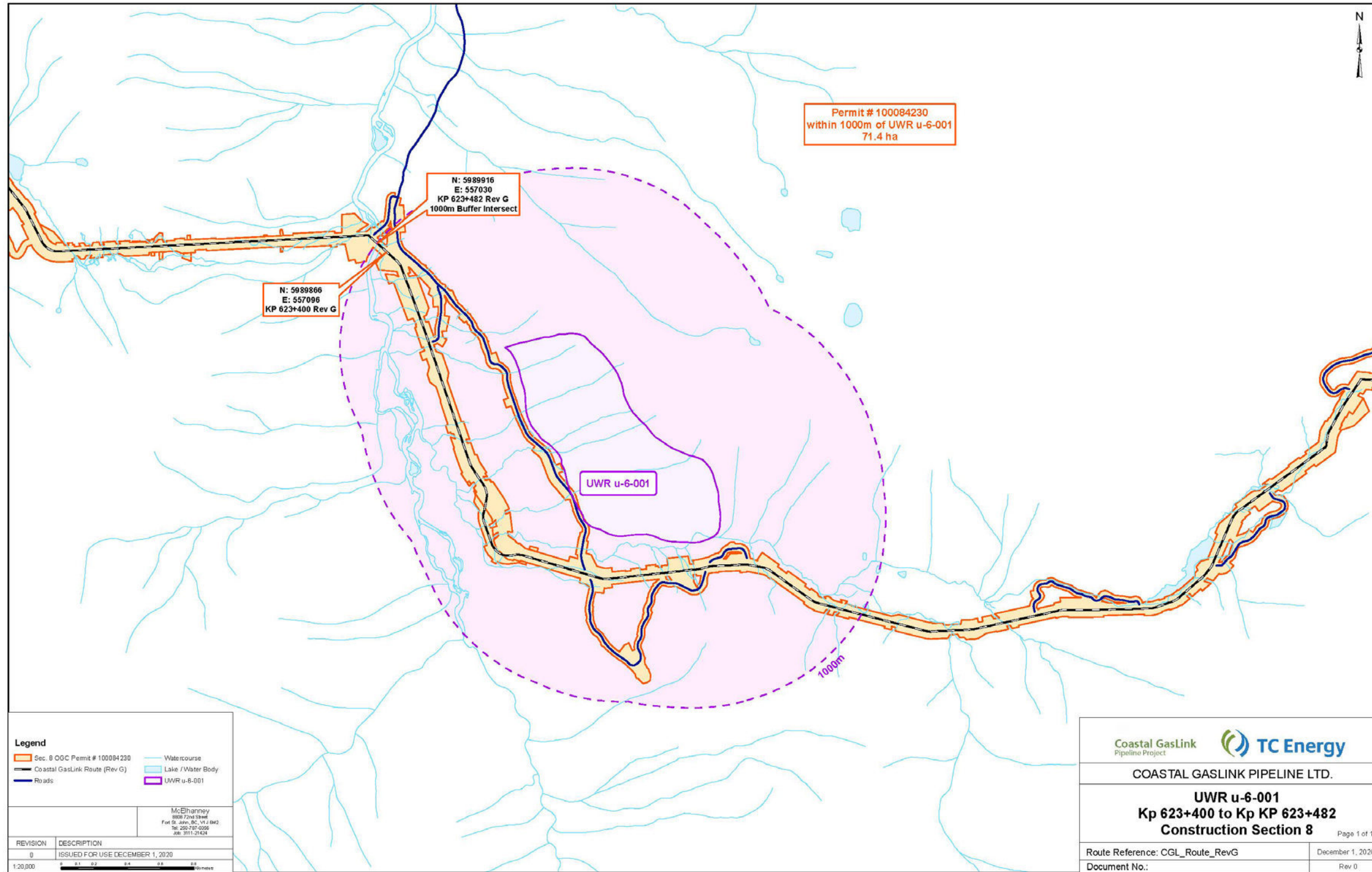
Coastal GasLink requires leave of the Commission to construct through this area that overlaps UWR U-6-001 during the restricted period. This is necessary so that Coastal GasLink can complete clearing activities in accordance with its schedule within this area.

Mitigation for mountain goat was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on mountain goat, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCES

Ministry of Forest, Lands and Natural Resource Operations. 2013. *Order – Mountain Goat Ungulate Winter Range U-6-003. Morice Timber Supply Area*. Accessed June 2018. http://www.env.gov.bc.ca/wld/documents/uwr/u-6-003_ord.pdf.

Appendix A: Map





LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 39. <i>Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.</i>	
Rationale for Request	Request for leave from Condition 39 to progress clearing within 1000-m of UWR U-6-001 between KP 623+400 and KP 623+482. Clearing activities need to continue through the restricted time period to allow the construction of the Kitimat River crossing during a least risk window	
Desired Date of Request Completion	December 31, 2020 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Kitselas First Nation	<input checked="" type="checkbox"/> Leave of Commission Form	
	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified on November 30, 2020 regarding its intent to file this request		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		

WORKS IN AND ABOUT A STREAM										<input type="checkbox"/> N/A	E
Crossin	UTM	UTM Location	Stream / Waterbody Name	Rip area	Ban	Stream	FHA	Temporary or	Stream Crossing Methods	Does the crossing type	

g Nu mber	Zon e							Permanent Crossing (T/P)	Bridge	Major Crossing	Ice Bridge	Other (please,)	meet the peak flow requirements (Y/N) If no, provide justification.
		N											

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------

Attach any documentation that will support a Commission Review :

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:

(Print Name)



2020/12/08

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MMDD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

s16
Pages: 688-697

Keough, Dana

From: Stark, Ryan
Sent: Thursday, December 3, 2020 1:02 PM
To: Thomas, Sarah
Subject: RE: Kitselas Response - 10011738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Perfect.

Please share with Kitselas.



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5287
F. 250-794-5390
s17



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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Tuesday, December 1, 2020 4:28 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: Kitselas Response - 10011738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Hi Ryan –

Kistelas had the following responses to this application. I confirmed the answers with Justin, Darryl and Akbar. Finesse at will 😊

s16

s16

Cheers
Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



Keough, Dana

From: Anderson, Justin
Sent: Thursday, December 3, 2020 8:27 AM
To: Thomas, Sarah; Bourke, Jacqueline
Subject: FW: Coastal GasLink - Leave Request Section 8 Condition 21 & 24
Attachments: CGL4703-CGP-REG-LEAVRQ-0095_S8_ATWS_RRZ.pdf; OGC leave Form Sec 8 Cond 21_24.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf; CGL4703-CGP-IR-RP-0162_Witset.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf



Justin Anderson
Authorizations Manager
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From: Phillips, Lori L <Lori.Phillips@BCOGC.ca>
Sent: Wednesday, December 2, 2020 3:44 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Cc: Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: Coastal GasLink - Leave Request Section 8 Condition 21 & 24



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Wednesday, December 2, 2020 11:33 AM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>

Subject: Coastal GasLink - Leave Request Section 8 Condition 21 & 24

Please find attached a request for leave from Condition 21 and Condition 24 on the Section 8 Pipeline Permit (AD# 100084230).

Should you have any questions or require additional information please let me know.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile: s22

TCEnergy.com

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Thank you

December 2, 2020

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0095

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Condition 21 and 24**

Please find enclosed a request for Leave of Commission for the noted conditions in BC Oil and Gas Commission (OGC) Section 8, Condition 21 – incremental clearing within riparian reserve zone of S1-S3 watercourses and Condition 24 – additional temporary workspace.

Coastal GasLink has identified various locations along the right of way, where additional temporary workspace would allow for the safe and efficient development of the right of way and watercourse crossings.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to December 30, 2020.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following conditions in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

21. Except with leave of the Commission, incremental clearing for additional work space is not permitted within the riparian reserve zone of streams with a riparian classification of S1-S3.

And,

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

a) a previously disturbed area is less than 2 hectares;

b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or

c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.

1.1 REASON FOR REQUEST

Pre-construction assessment of the right of way (ROW) has identified locations where changes are necessary for the purpose of addressing site-specific construction issues. The locations and reasoning for the change, including reference to the attached maps (CGW4703-MCSL-G-MP-2754), are indicated in Table 1. Portions of the requested additional temporary workspace (ATWS) is located within riparian reserve zone (RRZ).

Coastal GasLink requires new ATWS totalling approximately 16 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 331 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for specific changes is identified in Table 1 and the attached mapbook.

Table 1: Additional Temporary Workspace

Area No.	KP (Rev G)	Area (ha)	Applicable Condition	Reason for Shift
ATWS-KP 595+750+1	595+750_RO	0.04	24	Additional area required for efficient isolation and storage of riparian materials for the Clore River crossing.
ATWS-KP 595+750-2	595+750_RO	0.06	21, 24	Additional area required for efficient isolation and storage of riparian materials for the Clore River crossing. ATWS overlaps with the riparian reserve zone (RRZ) of 616 Clore River (S1B).
ATWS-KP 595+750-3	595+750_RO	1.58	21, 24	Additional area required for efficient isolation and storage of riparian materials for the Clore River crossing. ATWS overlaps with the riparian reserve zone (RRZ) of 616 Clore River (S1B).
ATWS-KP 601+000	601+000_R1	0.25	24	To support realignment of the pipeline to have the pipeline worksite be built to a required width.
ATWS-KP 602+500	602+500_R1	8.81	21, 24	To support shoofly RW-250.0 realignment and a potential shift of watercourse crossing location. ATWS overlaps with RRZ of Br125 (S2)
ATWS-KP 604+250	604+250_R1	0.06	24	To support shoofly RW-240.0 realignment and shortening.
ATWS-KP 604+500	604+500_R1	0.02	24	To support shoofly RW-240.0 realignment and shortening.
ATWS-KP 606+000-1	606+000_R1	0.23	24	To support shoofly RW-230.0 realignment and shortening.
ATWS-KP 606+000-2	606+000_R1	1.24	24	To support shoofly RW-230.0 realignment and shortening.
ATWS-KP 606+000-3	606+000_R1	0.06	24	To support shoofly RW-230.0 realignment and shortening.
ATWS-KP 609+000	609+000	2.92	21, 24	To support a potential realignment of the pipeline or shoofly RW-1618.0 to reduce crossing quantity or overall disturbance footprint. ATWS overlaps with RRZ of 50C2A (S2), 51C2A (S2) and 52C2A (S3)
ATWS-KP 620+000-1	620+000_RO	0.05	24	To support shoofly RW-160.3.C realignment and shortening.
ATWS-KP 620+000-2	620+000_RO	0.23	24	To support blasting activities associated with RW-160.3.B.
ATWS-KP 623+500	623+500_RO	0.08	24	To allow for safe access to the cable crane bottom anchor.

Area No.	KP (Rev G)	Area (ha)	Applicable Condition	Reason for Shift
ATWS-KP 627+000-1	627+000_RO	1.23	24	To allow for a potential cable crane guy wire.
ATWS-KP 627+000-2	627+000_RO	2.02	24	To allow for a potential cable crane guy wire and bottom anchor.
ATWS-KP 638+000	638+000_RO	5.24	21, 24	To support a potential realignment of the pipeline to reduce environmental impact from grading. ATWS overlaps with RRZ of 57C2AA (S1B) and RR004 (S2).
ATWS-KP 639+000	639+000_RO	0.33	24	To allow for a safe cut slope in steep side slope in soil.
ATWS-KP 647+500-1	647+500_RO	0.02	24	To support a potential realignment of the pipeline to reduce environmental impact from installation through an alluvial fan.
ATWS-KP 647+500-2	647+500_RO	1.37	21, 24	To support a potential realignment of the pipeline to reduce environmental impact from installation through an alluvial fan. ATWS overlaps with RRZ of UN11-117 (S3), S1019 (S2) and S1013 (S3).
ATWS-KP 647+500-3	647+500_RO	0.05	24	To support a potential realignment of the pipeline to reduce environmental impact from installation through an alluvial fan.
ATWS-KP 647+500-4	647+500_RO	0.15	21, 24	To provide a adequate up-stream workspace for isolation of the pipeline watercourse crossing. ATWS overlaps with RRZ of 28D (S2)
Total:		16.0		

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlines the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

2.3 ENVIRONMENTAL EFFECT

RMAs are transitional areas adjacent to a stream, wetland or lake where there is a distinct shift in vegetation from aquatic to upland communities. Special management is required in RMAs to conserve fish or wildlife habitat, biodiversity and water values in the area (BC OGC 2016).

Riparian areas contribute to fish habitat through provision of shade, overhead cover, undercut banks, woody debris, bank stability and filtration of sediments and contaminants. Riparian vegetation will be disturbed within the construction footprint, temporary workspace, watercourse crossings and where access roads are upgraded or where new roads are constructed.

Coastal GasLink's EAC Application considered the effects of clearing of riparian areas (Section 7), and concluded that the effect, after implementation of mitigation, of pipeline construction on alteration or loss of riparian vegetation is considered to be within environmental and regulatory standards (BC MOE and BC MOF 1995, CAPP et al. 2005) and, consequently, of low magnitude. The residual effect is considered to be reversible in the medium to long-term. Application of appropriate mitigation will reduce the residual effects of construction within riparian areas.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential adverse environmental effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Conduct clearing near watercourses or wetlands as described in Section 7.1 and Section 8.4 of the EMP.
- During clearing, fell trees towards the ROW, wherever practical. Recover trees that inadvertently fall into adjacent undisturbed vegetation.
- Avoid disturbance to environmentally sensitive features during clearing as identified by the appropriate signage or fencing. The Environmental Inspector(s) and appropriate Resource Specialist will determine the size of avoidance buffer surrounding these features, if appropriate.
- Where practical, leave stumps in place, particularly on streambanks, to provide surface stability. Dispose of stumps removed from the required work areas by burning or chipping, or stockpile for use in access or line-of-sight control.

- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the width of grading in order to limit the potential for erosion and subsoil compaction, where practical.
- Where practical, avoid grading in riparian areas until installation of the vehicle crossing.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

Watercourse Crossings (Section 8.4 of the EMP)

- Coastal GasLink will obtain and follow all applicable federal and provincial permits or authorizations prior to the commencement of construction and instream activities. comply with the provisions of the federal Fisheries Act
- Identify the location of registered and unregistered points of diversion within 200 m downstream and 100 m upstream of clearing, construction and reclamation activities and notify appropriate authorities of proposed construction activities
- Identify the location of registered and unregistered points of diversion within 200 m downstream and 100 m upstream of clearing, construction and reclamation activities and notify appropriate authorities of proposed construction activities
- Refer to the Fish and Fish Habitat Technical Data Report (Appendix 2-G of the EAC Application) for the windows of least risk associated with the watercourse crossings traversed by the Project.

- Prohibit clearing of extra temporary workspace within 10 m of a watercourse to protect riparian areas. This area shall be clearly marked prior to clearing operations. The construction footprint will be narrowed through the riparian area, if practical.
- Where practical, delay grading of the primary banks of watercourses until immediately before construction of the crossing. If warranted, install appropriate temporary erosion and sediment control structures at the discretion of the Environmental Inspector(s) upon initial disturbance of the vegetative mat and surface material.
- Install erosion and sediment control such as silt fences at all watercourses or waterbodies and on approach slopes to watercourses and waterbodies as directed by the Environmental Inspector(s). (Appendix B, Dwgs. STDS-03-ML05-001, STDS-03-ML-05-131, STDS-03-ML-05-132, STDS-03-ML-05-137, STDS-03-ML-05-608).
- If water withdrawal is necessary for the construction of temporary crossings, ensure that necessary provincial approvals are in place and follow DFO conditions, if applicable. Do not withdraw more than 10% of the instantaneous stream flow at any given time. Pump intakes should not disturb the streambed. Pumps must be screened with a maximum mesh size of 2.54 mm and have a maximum screen approach velocity of less than 0.038 m/s where fish habitat is present. Follow design requirements of DFO Freshwater Intake End-of-Pipe Fish Screen Guidelines.
- For watercourse crossings that require channel realignment to facilitate the installation of the crossing, develop individual, site-specific plans that take downstream effects into consideration and ensure:
 - no net loss of fish habitat
 - no obstruction to fish migration
 - no fish mortality or injury
- Inspect all temporary sediment control structures on a regular basis and following precipitation events and snowmelt. Where repairs are warranted, repair before the end of the working day.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the project-specific

Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

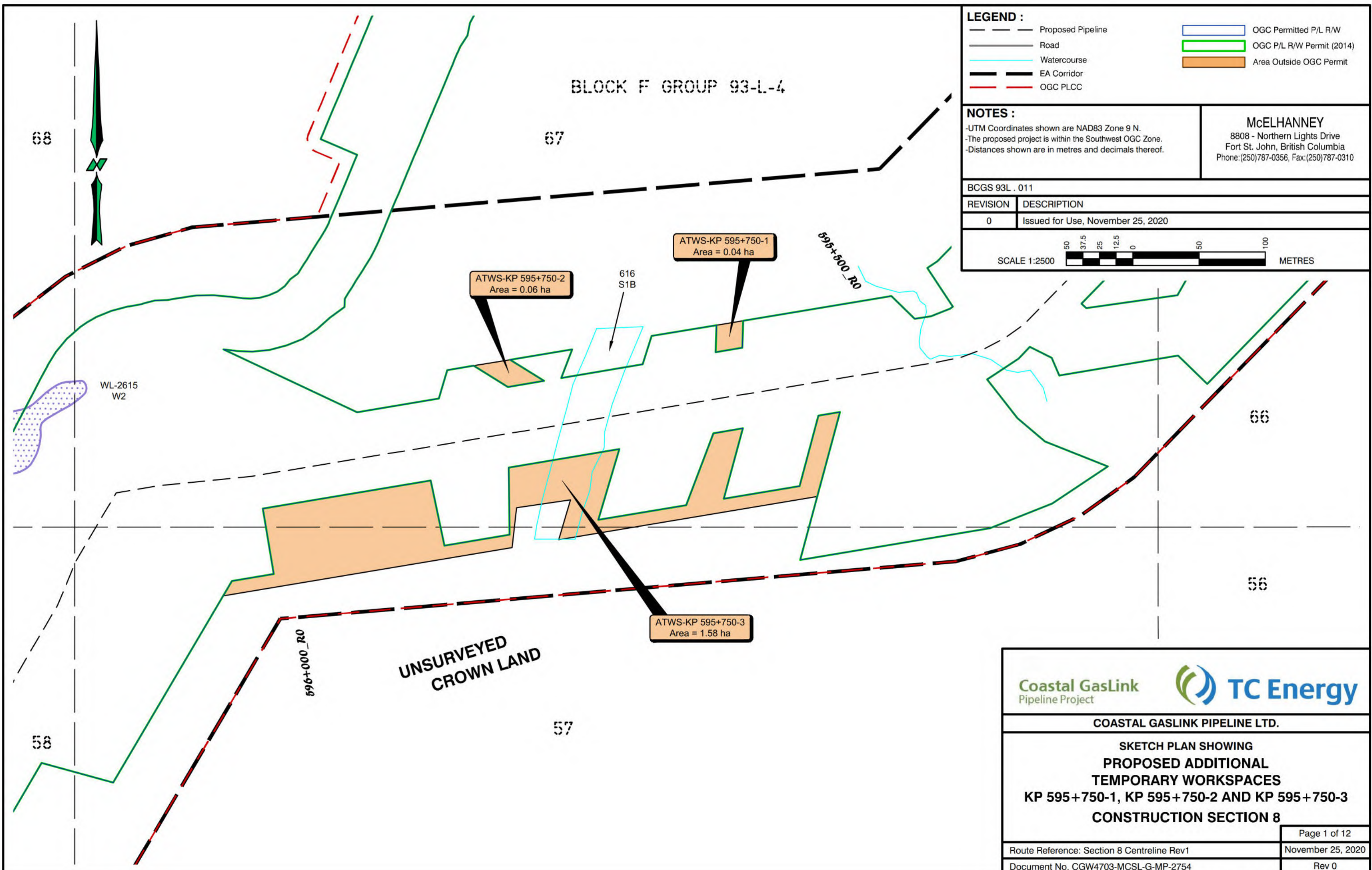
4.0 CONCLUSION

Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment. All of the new ATWS are directly adjacent to the approved footprint.

Mitigation for impacts to riparian areas was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Aboriginal groups. No specific mitigation was developed to address movement of workspace within the construction corridor. Coastal GasLink will implement this mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on RMA, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

ATWS - Area Outside OGC Permit Section 8 Rev0

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8						
AREA No.	KP	AREA (ha)	REASON FOR ATWS	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-KP 595+750-1	595+750_R0	0.04	FOR EFFICIENT ISOLATION AND STORAGE OF RIPARIAN MATERIALS FOR THE CLORE RIVER CROSSING	CROWN	5999114	576337
ATWS-KP 595+750-2	595+750_R0	0.06	FOR EFFICIENT ISOLATION AND STORAGE OF RIPARIAN MATERIALS FOR THE CLORE RIVER CROSSING	CROWN	5999084	576171
ATWS-KP 595+750-3	595+750_R0	1.58	FOR EFFICIENT ISOLATION AND STORAGE OF RIPARIAN MATERIALS FOR THE CLORE RIVER CROSSING	CROWN	5999004	576212
ATWS-KP 601+000	601+000_R1	0.25	TO SUPPORT REALIGNMENT OF THE PIPELINE TO HAVE THE PIPELINE WORK SIDE BE BUILT TO A REQUIRED WIDTH	CROWN	5994935	573768
ATWS-KP 602+500	602+500_R1	8.81	TO SUPPORT SHOOFLY RW-250.0 REALIGNMENT AND A POTENTIAL SHIFT OF WATERCOURSE CROSSING LOCATION	CROWN	5993747	573294
	604+250_R1	0.06	TO SUPPORT SHOOFLY RW-240.0 REALIGNMENT AND SHORTENING	CROWN	5992277	572488
	604+500_R1	0.02	TO SUPPORT SHOOFLY RW-240.0 REALIGNMENT AND SHORTENING	CROWN	5992038	572382
ATWS-KP 606+000-1	606+000_R1	0.23	TO SUPPORT SHOOFLY RW-230.0 REALIGNMENT AND SHORTENING	CROWN	5991249	571303
	606+000_R1	1.24	TO SUPPORT SHOOFLY RW-230.0 REALIGNMENT AND SHORTENING	CROWN	5991113	571140
ATWS-KP 609+000	609+000	2.92	TO SUPPORT A POTENTIAL REALIGNMENT OF THE PIPELINE OR SHOOFLY RW-1618.0 TO REDUCE CROSSING QUANTITY OR OVERALL DISTURBANCE FOOTPRINT	CROWN	5990994	568281
ATWS-KP 620+000-1	620+000_R0	0.05	TO SUPPORT SHOOFLY RW-160.3.C REALIGNMENT AND SHORTENING	CROWN	5988214	559300
ATWS-KP 620+000-2	620+000_R0	0.23	TO SUPPORT BLASTING ACTIVITIES ASSOCIATED WITH RW-160.3.B	CROWN	5988047	559128
ATWS-KP 623+500	623+500_R0	0.08	TO ALLOW FOR SAFE ACCESS TO THE CABLE CRANE BOTTOM ANCHOR	CROWN	5990019	557103
ATWS-KP 627+000-1	627+000_R0	1.23	TO ALLOW FOR A POTENTIAL CABLE CRANE GUY WIRE	CROWN	5990390	553965
ATWS-KP 627+000-2	627+000_R0	2.02	TO ALLOW FOR A POTENTIAL CABLE CRANE GUY WIRE AND BOTTOM ANCHOR	CROWN	5990280	553959
ATWS-KP 638+000	638+000_R0	5.56	TO SUPPORT A POTENTIAL REALIGNMENT OF THE PIPELINE TO REDUCE ENVIRONMENTAL IMPACT FROM GRADING	CROWN	5992994	544376
ATWS-KP 639+000	639+000_R0	0.33	TO ALLOW FOR A SAFE CUT SLOPE IN STEEP SIDE SLOPE IN SOIL	CROWN	5992356	543325
ATWS-KP 647+500-1	647+500_R0	0.02	TO SUPPORT A POTENTIAL REALIGNMENT OF THE PIPELINE TO REDUCE ENVIRONMENTAL IMPACT FROM INSTALLATION THROUGH AN ALLUVIAL FAN	CROWN	5992181	536332
ATWS-KP 647+500-2	647+500_R0	1.37	TO SUPPORT A POTENTIAL REALIGNMENT OF THE PIPELINE TO REDUCE ENVIRONMENTAL IMPACT FROM INSTALLATION THROUGH AN ALLUVIAL FAN	CROWN	5992324	536060
ATWS-KP 647+500-3	647+500_R0	0.05	TO SUPPORT A POTENTIAL REALIGNMENT OF THE PIPELINE TO REDUCE ENVIRONMENTAL IMPACT FROM INSTALLATION THROUGH AN ALLUVIAL FAN	CROWN	5992471	535823
ATWS-KP 647+500-4	647+500_R0	0.15	TO PROVIDE ADEQUATE UP-STREAM WORKSPACE FOR ISOLATION OF THE PIPELINE WATERCOURSE CROSSING	CROWN	5992634	535682
TOTAL		26.30				



LEGEND :

- Proposed Pipeline
- Road
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit

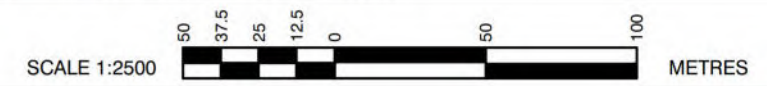
NOTES :

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- Distances shown are in metres and decimals thereof.

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 Fort St. John, British Columbia
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BCGS 93L . 011

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**UNSURVEYED
CROWN LAND**

COASTAL GASLINK PIPELINE LTD.

**SKETCH PLAN SHOWING
 PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 KP 595+750-1, KP 595+750-2 AND KP 595+750-3
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev1	Page 1 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



11

BLOCK E GROUP 93-L-4
BLOCK F GROUP 93-L-4

UNSURVEYED
CROWN LAND

601+000_R1

WL-1378
W2

SHOOFLY
RW-260.0

ATWS-KP 601+000
Area = 0.25 ha

20

601+500_R1

WL-1411
W2

LEGEND :

- Proposed Pipeline
- Road
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit

NOTES :

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BCGS 93L . 001

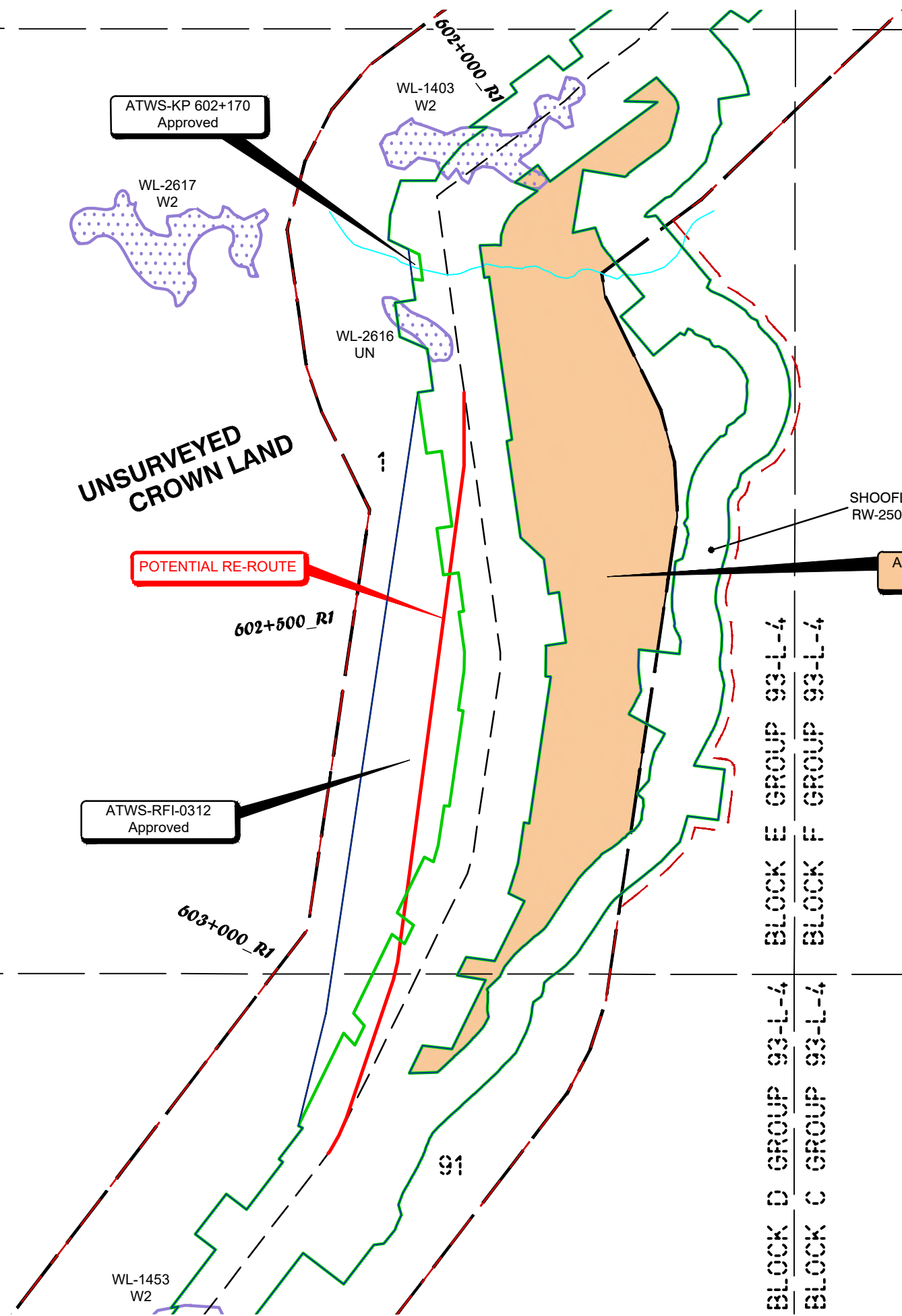
REVISION	DESCRIPTION
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COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
TEMPORARY WORKSPACE
KP 601+000
CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev1	Page 2 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



LEGEND :

- Proposed Pipeline
- Road
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit

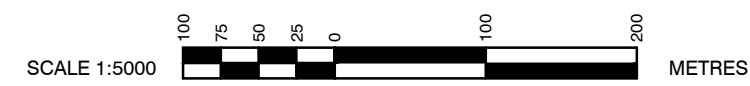
NOTES :

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2

10

92

100

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACE
 KP 602+500
 CONSTRUCTION SECTION 8**

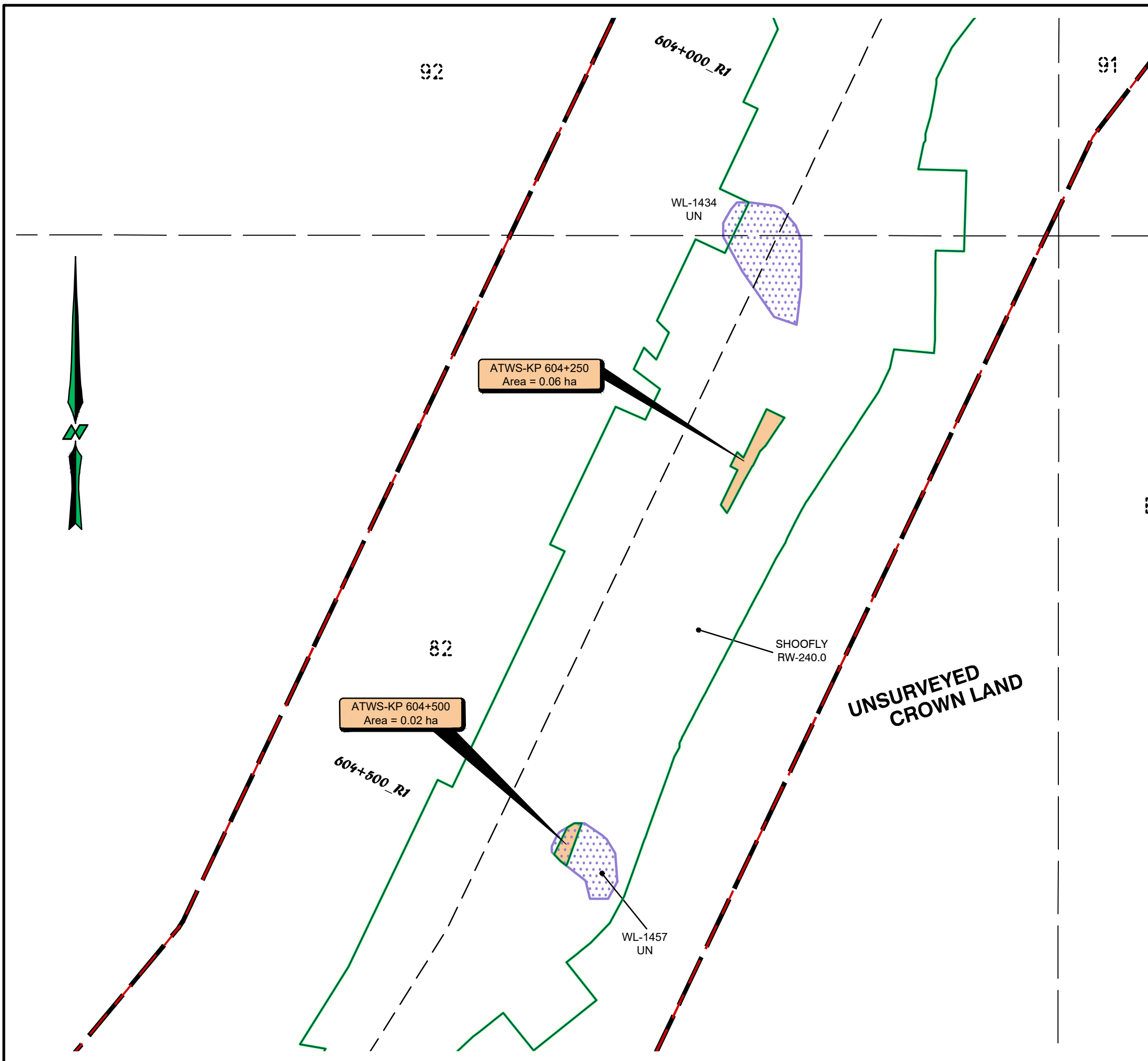
Route Reference: Section 8 Centreline Rev1

Page 3 of 12

Document No. CGW4703-MCSL-G-MP-2754

November 25, 2020

Rev 0



LEGEND :

Proposed Pipeline	OGC Permitted P/L R/W
Road	OGC P/L R/W Permit (2014)
Watercourse	Area Outside OGC Permit
EA Corridor	
OGC PLCC	

NOTES :

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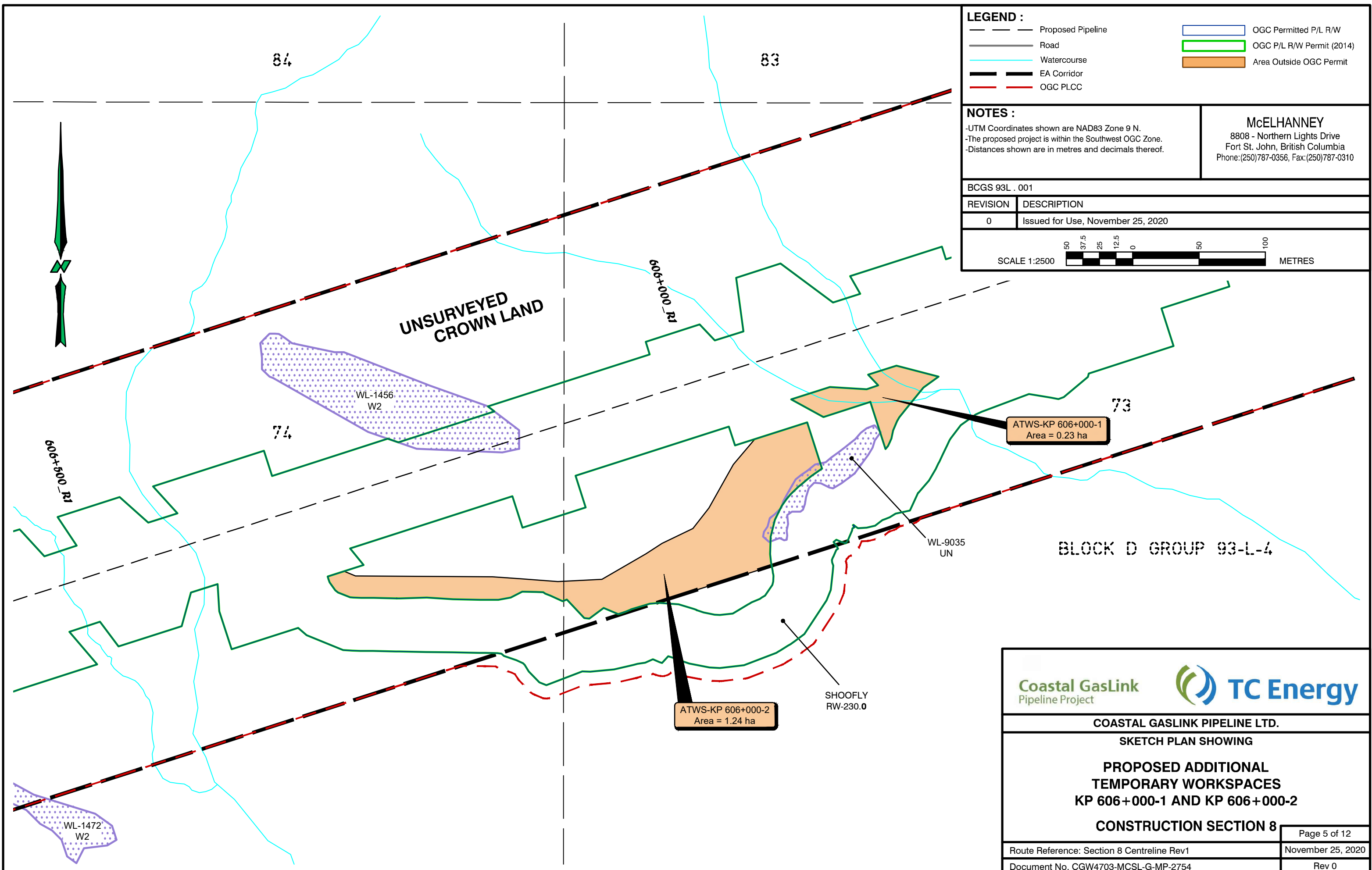
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BLOCK D GROUP 93-L-4

COASTAL GASLINK PIPELINE LTD.	
SKETCH PLAN SHOWING PROPOSED ADDITIONAL TEMPORARY WORKSPACES KP 604+250 AND KP 604+500 CONSTRUCTION SECTION 8	
Route Reference: Section 8 Centreline Rev1	Page 4 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Road		OGC P/L R/W Permit (2014)
	Watercourse		Area Outside OGC Permit
	EA Corridor		
	OGC PLCC		

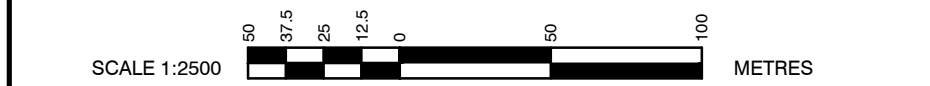
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ATWS-KP 606+000-1
 Area = 0.23 ha

ATWS-KP 606+000-2
 Area = 1.24 ha

Coastal GasLink Pipeline Project

COASTAL GASLINK PIPELINE LTD.
SKETCH PLAN SHOWING
PROPOSED ADDITIONAL
TEMPORARY WORKSPACES
KP 606+000-1 AND KP 606+000-2
CONSTRUCTION SECTION 8

Route Reference: Section 8 Centreline Rev1	Page 5 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



BLOCK D GROUP 93-L-4

77

UNSURVEYED
CROWN LAND

SHOOFLY
RW-1618.0

WL-1487
W1

LEGEND :

- Proposed Pipeline
- Road
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit

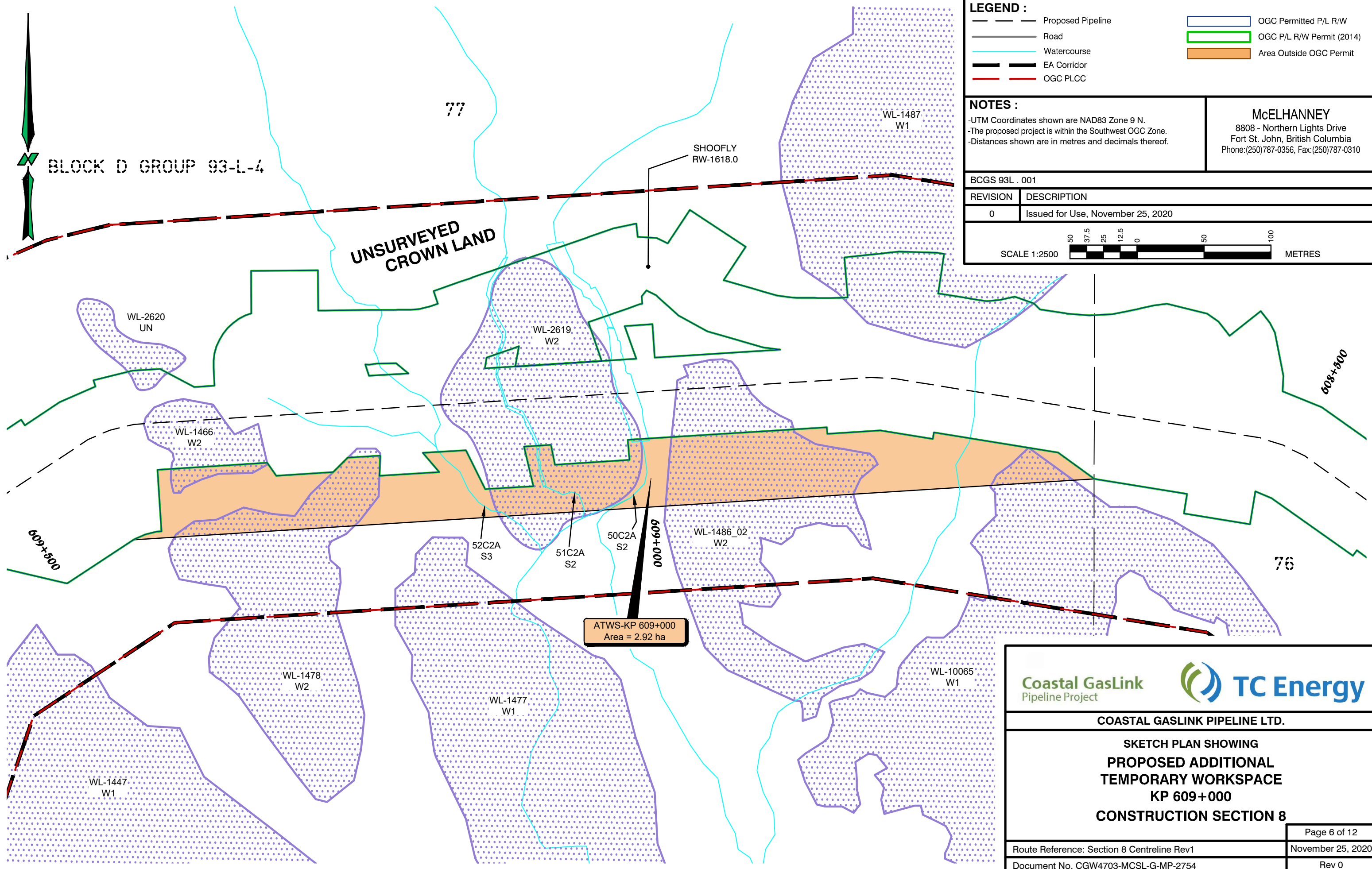
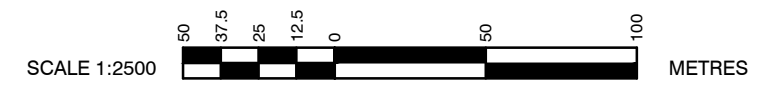
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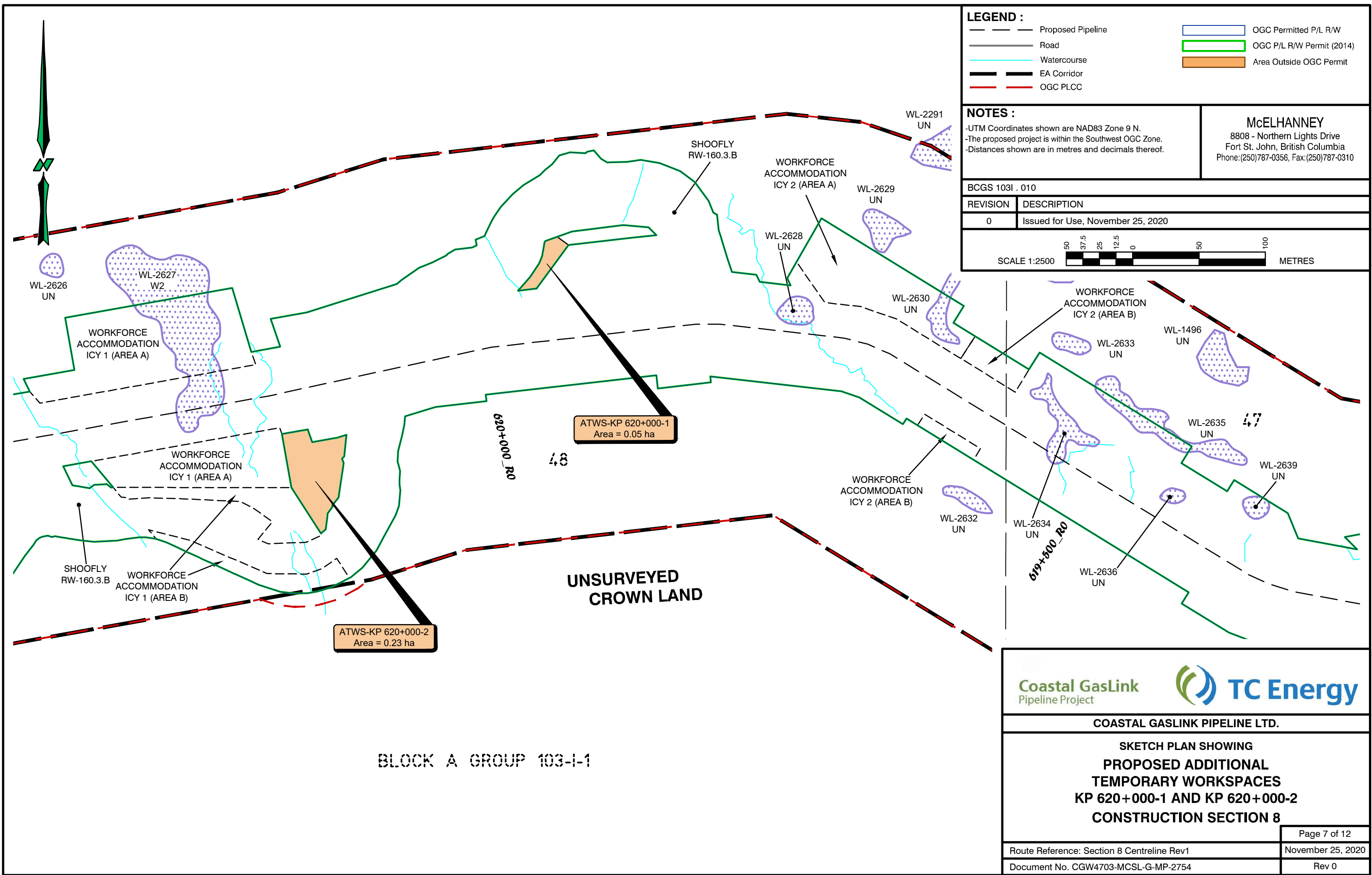


ATWS-KP 609+000
 Area = 2.92 ha

COASTAL GASLINK PIPELINE LTD.

**SKETCH PLAN SHOWING
 PROPOSED ADDITIONAL
 TEMPORARY WORKSPACE
 KP 609+000
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev1	Page 6 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Road		OGC P/L R/W Permit (2014)
	Watercourse		Area Outside OGC Permit
	EA Corridor		
	OGC PLCC		

NOTES :

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BCGS 103I . 010

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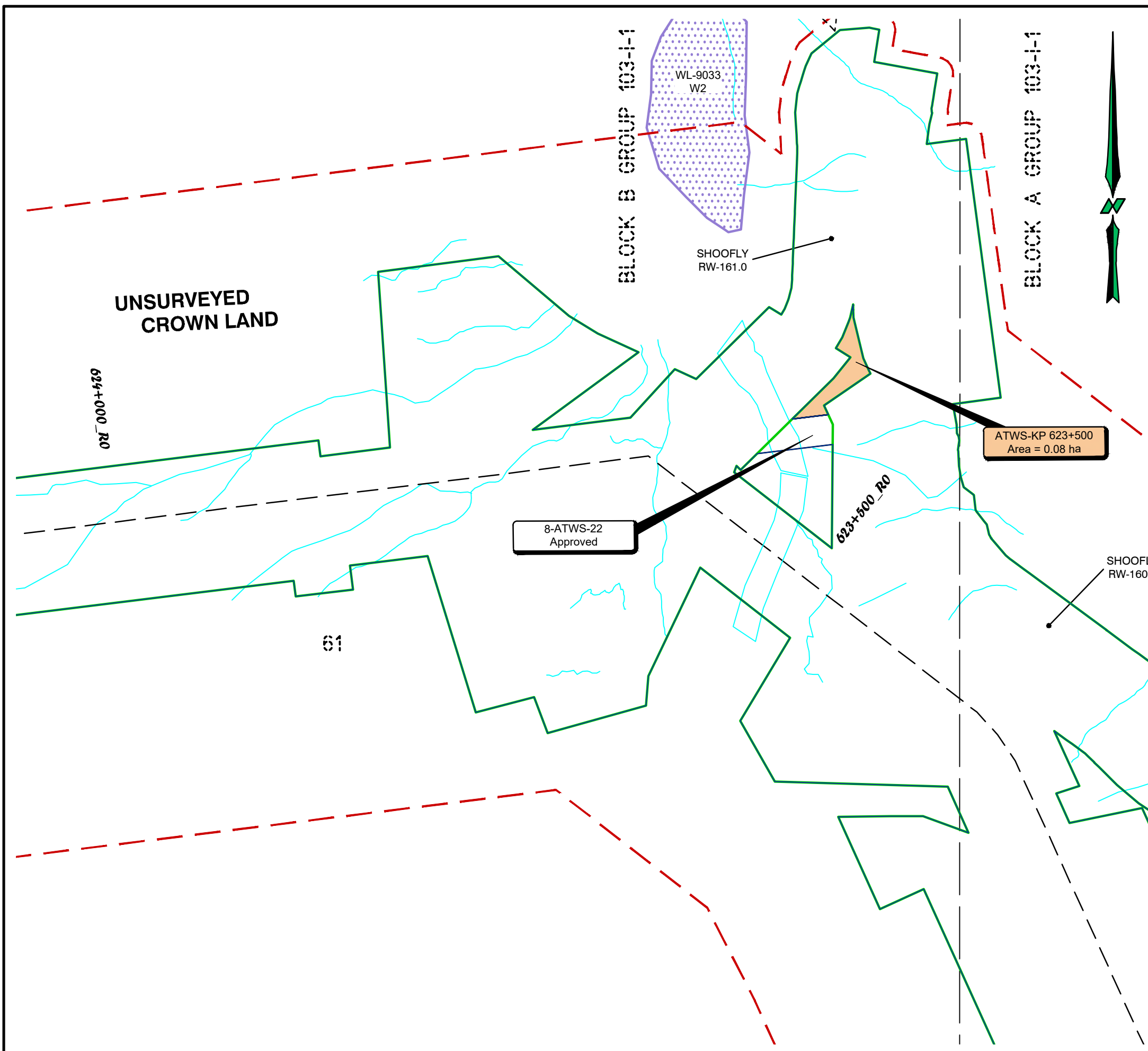
BLOCK A GROUP 103-I-1



COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING
**PROPOSED ADDITIONAL
 TEMPORARY WORKSPACES
 KP 620+000-1 AND KP 620+000-2
 CONSTRUCTION SECTION 8**

Route Reference: Section 8 Centreline Rev1	Page 7 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Road		OGC P/L R/W Permit (2014)
	Watercourse		Area Outside OGC Permit
	EA Corridor		
	OGC PLCC		

NOTES :

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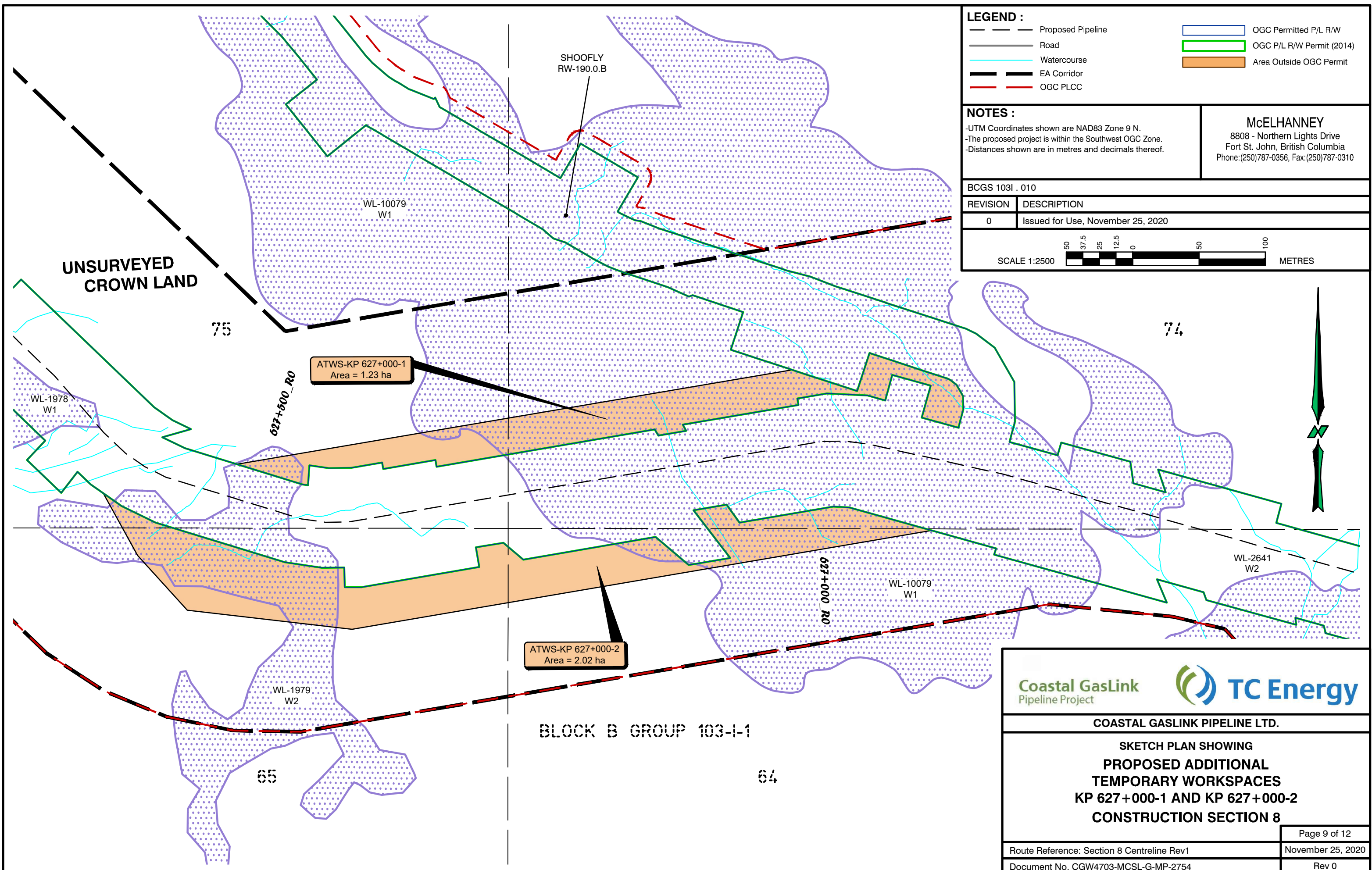
McELHANNEY
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 Phone:(250)787-0356, Fax:(250)787-0310

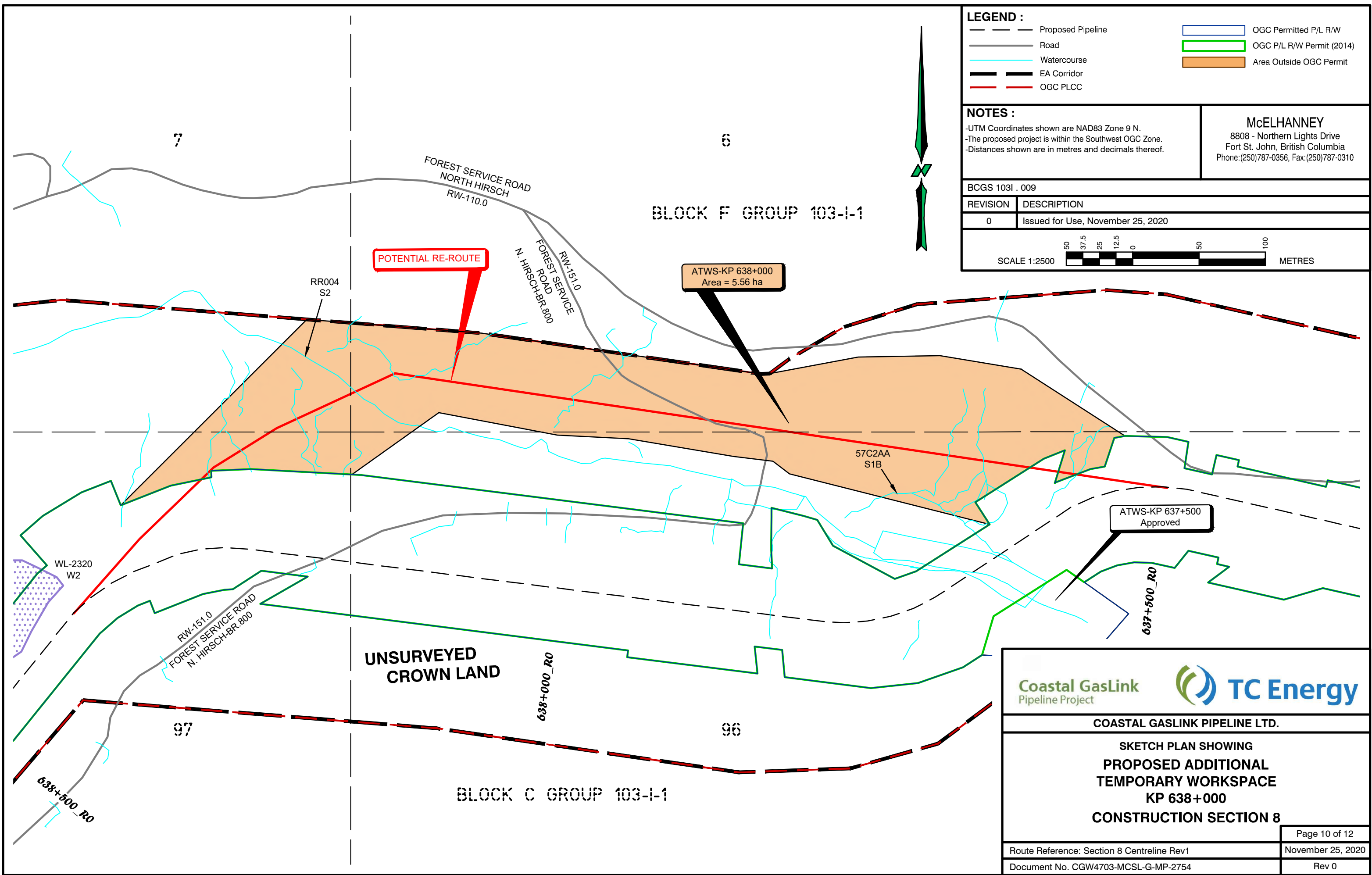
BCGS 103I . 010

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COASTAL GASLINK PIPELINE LTD.	
SKETCH PLAN SHOWING PROPOSED ADDITIONAL TEMPORARY WORKSPACE KP 623+500 CONSTRUCTION SECTION 8	
Route Reference: Section 8 Centreline Rev1	Page 8 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0





LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Road		OGC P/L R/W Permit (2014)
	Watercourse		Area Outside OGC Permit
	EA Corridor		
	OGC PLCC		

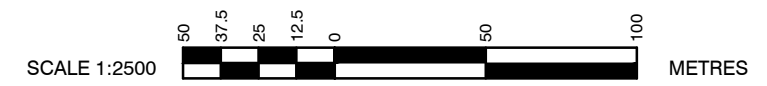
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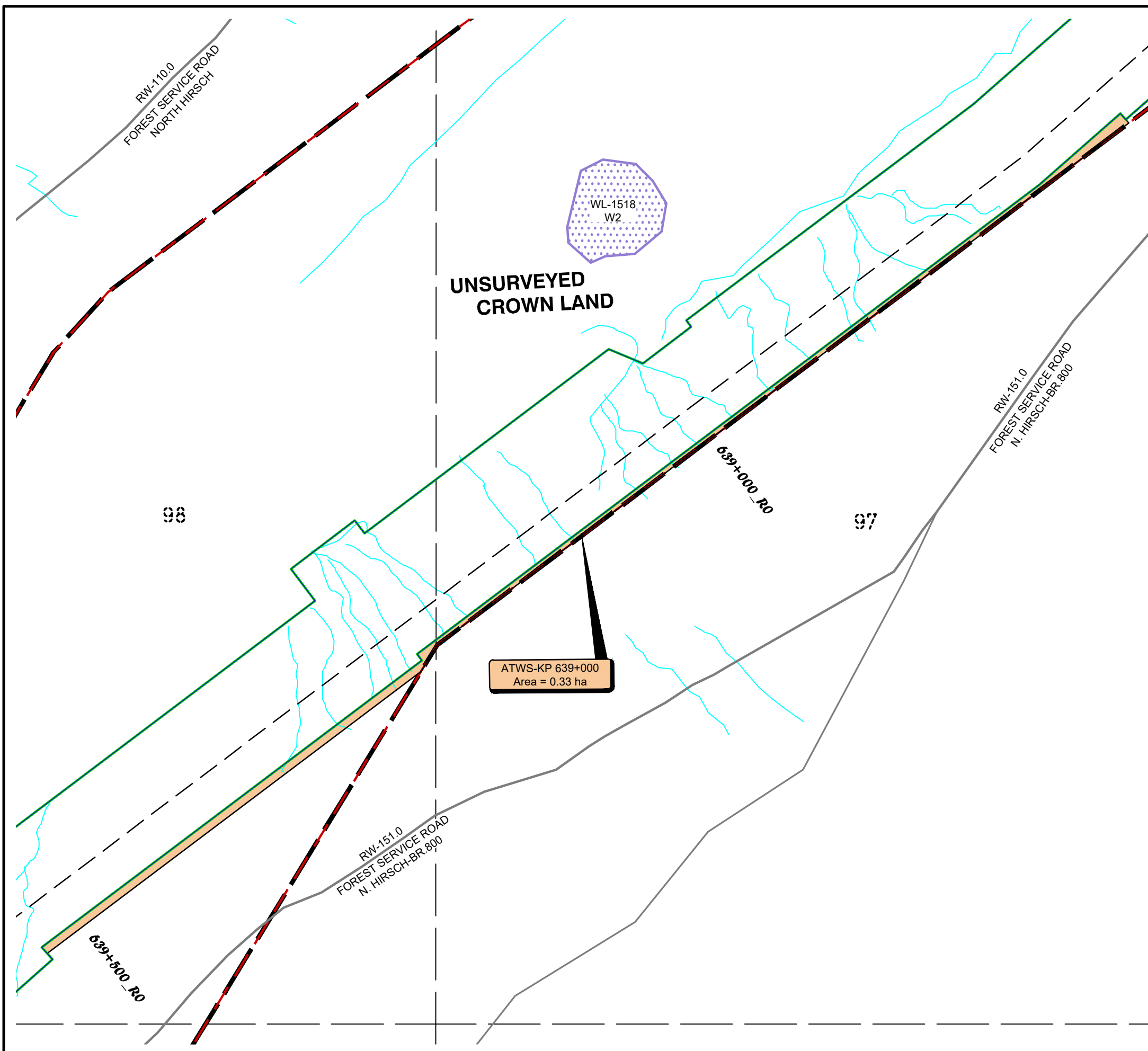
BCGS 103I . 009

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**UNSURVEYED
CROWN LAND**

COASTAL GASLINK PIPELINE LTD.	
SKETCH PLAN SHOWING PROPOSED ADDITIONAL TEMPORARY WORKSPACE KP 638+000 CONSTRUCTION SECTION 8	
Route Reference: Section 8 Centreline Rev1	Page 10 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



LEGEND :

- Proposed Pipeline
- Road
- Watercourse
- EA Corridor
- OGC PLCC
- OGC Permitted P/L R/W
- OGC P/L R/W Permit (2014)
- Area Outside OGC Permit

NOTES :

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- The proposed project is within the Southwest OGC Zone.
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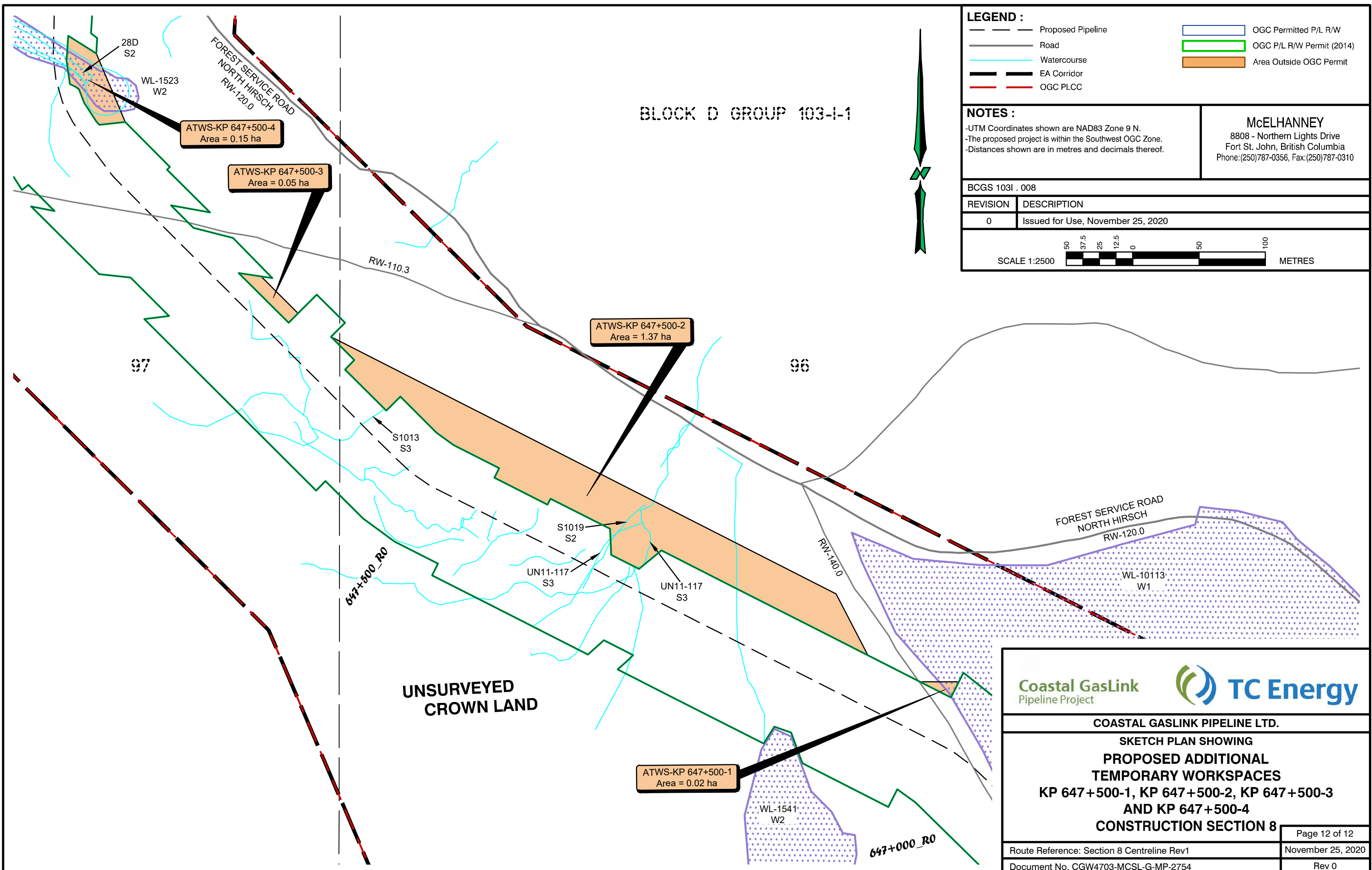
BCGS 103I . 009

REVISION	DESCRIPTION
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BLOCK C GROUP 103-I-1

COASTAL GASLINK PIPELINE LTD.	
SKETCH PLAN SHOWING PROPOSED ADDITIONAL TEMPORARY WORKSPACE KP 639+000 CONSTRUCTION SECTION 8	
Route Reference: Section 8 Centreline Rev1	Page 11 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



LEGEND :

	Proposed Pipeline		OGC Permitted P/L R/W
	Road		OGC P/L R/W Permit (2014)
	Watercourse		Area Outside OGC Permit
	EA Corridor		
	OGC PLCC		

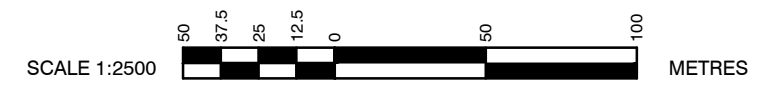
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BCGS 1031 . 008

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Coastal GasLink Pipeline Project

TC Energy

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING PROPOSED ADDITIONAL TEMPORARY WORKSPACES KP 647+500-1, KP 647+500-2, KP 647+500-3 AND KP 647+500-4 CONSTRUCTION SECTION 8

Route Reference: Section 8 Centreline Rev1	Page 12 of 12
Document No. CGW4703-MCSL-G-MP-2754	November 25, 2020
	Rev 0



LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY **A**

Commission File No. AD No.:

ADMINISTRATION **B**

Applicant Name: Coastal GasLink Pipeline Ltd.

Address: 630 – 609 Granville Street

City, Province, Postal Code: Vancouver, BC V7Y 1G5

Contact: Tracy Young

Email: tracy_young@tcenergy.com

Phone: 778-328-5327

Referral Company:

Email:

Phone:

Agent Name:

Internal File No.:

APPLICATION INFORMATION **C**

Surface Location: Section 8 (see Mapbook)

N/A

Permit Condition Request relates to (copy full text)

Permit application Determination number: 100084230

21. *Except with leave of the Commission, incremental clearing for additional work space is not permitted within the riparian reserve zone of streams with a riparian classification of S1-S3.*

24. *Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:*

a) a previously disturbed area is less than 2 hectares;

b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or

c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.

Rationale for Request

Coastal GasLink requires new additional temporary workspace of approximately 16.0 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Portions of the requested additional temporary workspace is located within riparian reserve zone of S1-S3 watercourses. Across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 331 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.

Desired Date of Request Completion

December 30, 2020 to provide project certainty to construction contractors

Primary Activity: Well Facility Geophysical Pipeline Road NEB Pipeline

FIRST NATIONS INFORMATION **D**

Ensure the following are attached to the application for First Nations engagement purposes:

First Nations

Attachments

Haisla Nation – comments in attachment

Cover letter (2 copies for each notification area affected)

Kitselas First Nation – comments in attachment

Leave of Commission Form

Skin Tyee Nation – comments in attachment

Any documents provided to support Leave Request

Witset First Nation – comments in attachment

Office of the Wet'suw et'en – comments in attachment

Wet'suw et'en First Nation – comments in attachment

Carrier Sekani Tribal Council

Permit Holder Engagement: Coastal GasLink has provided notification to First Nations on November 20, 2020 identified regarding its intent to file this request

WORKS IN AND ABOUT A STREAM

Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> NA

WORKS IN AND ABOUT A STREAM

													<input type="checkbox"/> NA	E
Crossing Number														
Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.	
									Bridge	Major	Ice Bridge	Other (please,)		

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------

Attach any documentation that will support a Commission Review:
Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2020/12/02

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

s16

Pages: 725-753

Keough, Dana

From: Swan, Ian
Sent: Monday, November 30, 2020 10:14 AM
To: Hicks, Lee Ann
Cc: Stark, Ryan; Thomas, Sarah; Nielsen, Angela C
Subject: RE: <[EXTERNAL]> RE: CGL Investigative Use Permit Applications, AMS#'s 10011777 and 10011776
Attachments: RE: <[EXTERNAL]> RE: 10011738 CGL Multi-Use Site Referral - Haisla

Hi Lee Ann,

If you'd like, feel free to respond to Tracey, s13

Cheers,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
[Office Address Directory](#)
bcogc.ca

T. 250 419-4485
F. 250-419-4403
s17



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From: Tracey Ross <traceyross@haisla.ca>
Sent: Friday, November 27, 2020 12:18 PM
To: Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>
Cc: Candice Wilson <CaWilson@haisla.ca>; azinter@coreregulatory.com; Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: Re: <[EXTERNAL]> RE: CGL Investigative Use Permit Applications, AMS#'s 10011777 and 10011776

Hi Lee Ann

s16

Thanks
Tracey

Tracey Ross
Lands Manager
Haisla Nation Council

On Nov 27, 2020, at 10:32 AM, Hicks, Lee Ann <LeeAnn.Hicks@bcogc.ca> wrote:

CAUTION: This email originated from outside of the Haisla network. Be cautious of any embedded links and/or attachments.

Good morning Tracey,

The BC Oil & Gas Commission (Commission) has recently received two (2) applications from Coastal GasLink Pipeline Ltd (CGL) to conduct investigative works (AMS# 100111777 and 100111776). Please refer to the attached referral letter for additional details.

The Commission is requesting your participation in the consultation process and the decision making process for this application.

Additional information is available on your FTP site:

s17

If you have any difficulty accessing your FTP site or the information therein, please contact me immediately and I will work with you to resolve any issues and assist you in navigating your FTP site.

If you have questions or comments regarding this application please contact Ian Swan by email at Ian.Swan@bcogc.ca or by telephone at (250) 419-4485.

Kindest regards,
Lee Ann Hicks

<image001.jpg>

Lee Ann Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5277
F. 250-794-5390

<image002.png>

<image004.png>

<image006.png>

<image008.jpg>

<image010.jpg>

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Keough, Dana

From: Swan, Ian
Sent: Thursday, November 19, 2020 2:39 PM
To: 'Tracey Ross'; Candice Wilson; Amanda Zinter 'azinter@coreregulatory.com'
Cc: Nielsen, Angela C
Subject: RE: <[EXTERNAL]> RE: 10011738 CGL Multi-Use Site Referral - Haisla

Hi Tracey,

Thank you for following-up so quickly regarding CGL's multi-use site/Changes In and About a Stream application (AMS# 10011738) s16

Regards,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
[Office Address Directory](#)
bcogc.ca

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From: Tracey Ross <traceyross@haisla.ca>
Sent: Thursday, November 19, 2020 9:00 AM
To: Swan, Ian <Ian.Swan@BCOGC.ca>; Candice Wilson <CaWilson@haisla.ca>; Amanda Zinter 'azinter@coreregulatory.com' <azinter@coreregulatory.com>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: <[EXTERNAL]> RE: 10011738 CGL Multi-Use Site Referral - Haisla

Hi Ian

s16

Thanks
Tracey

From: Swan, Ian <Ian.Swan@BCOGC.ca>
Sent: Wednesday, November 18, 2020 4:06 PM
To: Tracey Ross <traceyross@haisla.ca>; Candice Wilson <CaWilson@haisla.ca>; Amanda Zinter 'azinter@coreregulatory.com' <azinter@coreregulatory.com>

Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Subject: <[EXTERNAL]> RE: 100111738 CGL Multi-Use Site Referral - Haisla

CAUTION: This email originated from outside of the Haisla network. Be cautious of any embedded links and/or attachments.

Hi Tracey, Candace, and Amanda,

Just writing to follow-up on the below referral regarding the multi-use site/Changes In and About a Stream application from Coastal GasLink Pipeline Ltd. (AMS# 100111738).

Feel free to reach out anytime if you have any questions or comments about this application; I'd be happy to discuss further at your convenience.

Regards,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
[Office Address Directory](#)
bcogc.ca

T. 250 419-4485
F. 250-419-4403
s17



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Sent: Monday, October 26, 2020 3:55 PM

To: 'Tracey Ross' <traceyross@haisla.ca>; Candice Wilson 'cawilson@haisla.ca' <cawilson@haisla.ca>; Amanda Zinter 'azinter@coreregulatory.com' <azinter@coreregulatory.com>

Cc: Swan, Ian <Ian.Swan@BCOGC.ca>

Subject: 100111738 CGL Multi-Use Site Referral - Haisla

Good afternoon Tracey, Candice, and Amanda,

The BC Oil and Gas Commission (Commission) has recently received one (1) application from Coastal GasLink Pipeline Ltd. (CGL) for a proposed multi-use site to support construction activities within Construction Section 8 (AMS #100111738).

s16

s16

Please confirm that you were able to access the documents successfully.

If you would like to discuss this further, please contact Ian Swan at Ian.Swan@bcogc.ca or at 250-419-4485.

Regards,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5266
F. 250-794-5390



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Keough, Dana

From: Thomas, Sarah
Sent: Friday, November 27, 2020 10:43 AM
To: Hicks, Lee Ann; Howes, Ken; Stark, Ryan; Erickson-Fearon, Candace
Cc: Swan, Ian
Subject: RE: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

Thank you Lee Ann



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
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s17



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From: Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>
Sent: Friday, November 27, 2020 9:33 AM
To: Howes, Ken <Ken.Howes@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@bcogc.ca>
Cc: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Subject: RE: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

I can do this right away



Lee Ann Hicks
First Nations Liaison Assistant
LeeAnn.Hicks@BCOGC.ca

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From: Howes, Ken <Ken.Howes@BCOGC.ca>
Sent: Friday, November 27, 2020 10:18 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@bcogc.ca>
Cc: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Subject: RE: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

Jeez, yes these need to go out ... I thought they had already as they were ready to go a week ago! Please refer ASAP. Thanks!



Ken Howes
Director, Major Projects & Decision Support
Ken.Howes@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Friday, November 27, 2020 9:14 AM
To: Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@bcogc.ca>
Cc: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>; Howes, Ken <Ken.Howes@BCOGC.ca>
Subject: FW: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created
Importance: High

Hi Folks,

I don't want this application to sit any longer. Are either of you able to refer it today s22

Its high priority.

I've just sent the referral to OW but the FTP site needs updating.

Thank you!
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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s17



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From: Stark, Ryan
Sent: Thursday, November 26, 2020 7:11 PM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

Hi Folks,

Please refer these applications tomorrow. Please make this your #1 priority.

CGL remains our #1 priority.

Thanks,
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@bcogc.ca>
Sent: Thursday, November 26, 2020 5:15 PM
To: Swan, Ian <Ian.Swan@BCOGC.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

Hi all,

s22 and I didn't see any correspondence from him about these.

Want to send Monday s22 Ang?

Cheers

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
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bcogc.ca

T. 250 638-6404
s17



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From: Swan, Ian <Ian.Swan@BCOGC.ca>
Sent: Thursday, November 19, 2020 4:49 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>; Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>
Subject: RE: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

Hi all,

I've drafted referral letters for these two applications for all First Nations (including an SER for Kitselas). The referral letters are saved in e-binder ([100111776](#) and [100111777](#)).

I've dated everything for tomorrow; If there isn't time to refer these tomorrow they can go out next week s22
(dates and response timelines would need to be updated).

Ryan – I drafted a referral letter to OW for 1777 (attached and [saved in e-binder](#)) inserting your name at the bottom (digital signature will still be required). I double checked the SOE report to confirm that this activity does not fall within Dark House Territory.

Ang/Lee Ann – If these go out tomorrow, feel free to send to Haisla on my behalf; I drafted a bundled referral for them since both applications fall in their Territory.

s22 Have a great weekend everybody!

Ian



Ian Swan
First Nations Liaison Officer
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From: Swan, Ian

Sent: Wednesday, November 18, 2020 5:05 PM

To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>; Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>

Subject: RE: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

Hi all,

We received two applications recently from CGL. I've run SOE reports (attached and saved in e-binder) and IIAs for these files:

100111776

- First Nations Impacted
 - Haisla
 - Kitselas
- Based on the following information, s13
 - One new road proposed (0.401 km length, maximum 77.8 m width); 2.221 ha Crown land total activity area, 1.016 ha new cut
 - No watercourse crossings
 - Construction and use of the road will last 3-4 years; road will be decommissioned/reclaimed following pipeline construction.
 - AIA-Archaeological Impact Assessment field work is required

100111777

- First Nations Impacted
 - Haisla
 - Skin Tyee
 - OW
- Based on the following information, s13
 - One new road proposed (two segments) - 0.861 km length, maximum 189.5 m width); 6.583 ha Crown land total activity area
 - No watercourse crossings
 - No new cut
 - Construction and use of the road will last 3-4 years; road will be decommissioned/reclaimed following pipeline construction.
 - AIA-Archaeological Impact Assessment field work is required

I will prepare draft referral letters for these files tomorrow.

Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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From: ams.NoReply@bcogc.ca <ams.NoReply@bcogc.ca>

Sent: Tuesday, November 17, 2020 10:56 AM

To: Swan, Ian <Ian.Swan@BCOGC.ca>

Subject: [AMS Review AMS] Application # 100111777-0 FN Consultation (HVC) Task Created

The following task has been created and added to your Group Tasks List.

FN Consultation (HVC) - Task ID 2944074

[AA# 100111777-0](#)

Coastal GasLink Pipeline Ltd.



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Keough, Dana

From: Khan, Akbar Ali
Sent: Friday, November 27, 2020 2:03 PM
To: Thomas, Sarah
Cc: Nielsen, Angela C
Subject: RE: AMS #100111738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Good after Sarah,

BC OGC **requires** that upon completion of reclamation at an oil and gas site, a Qualified Reclamation Professional must complete "Reclamation Assessment" and submit with Reclamation Assessment Report with the Certificate of Reclamation Part 2 application for site certification purposes.

If you have any further questions, please let me know.

Akbar



Akbar Ali Khan
Environmental Management Officer
Akbar.Khan@bcogc.ca

Fort St John BC
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T. 250 794-5236
F. 250-794-5390



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From: Thomas, Sarah
Sent: Friday, November 27, 2020 12:05 PM
To: Khan, Akbar Ali
Cc: Nielsen, Angela C
Subject: AMS #100111738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Good morning Akbar,

I reached out to **S19** about this question that came in from Kitselas First Nation and he directed me to you. I was wondering if you could assist me with an answer?

Kitselas Concern:

"The Geophysical Fax Report-in Form states that several reclamation activities will take place following decommissioning of the site, however, it does not discuss whether there will be follow-up visits/evaluations to ensure reclamation is successful. How does the BC OGC ensure that reclamation measures have been adequately implemented and that reclamation is successful in the year(s) following implementation?"

The proponent should be required to provide evidence that reclamation has been adequately implemented and successful following decommissioning.”

Thank you ever so much,

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



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From: Jane Hauser <pao@kitselas.com>
Sent: Wednesday, November 18, 2020 12:28 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Cc: Cedarbox <cedarbox@kitselas.com>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Subject: RE: 100111738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Hi Angela,

Attached is Kitselas' response to this referral.

Thanks,
Jane



Jane Hauser
Project Assessment Officer

T: 250-615-4066
s22

2225 Gitau Road
Terrace, B.C. V8G
0A9
PAO@kitselas.com

**Kitselas Land & Resources
Department**

From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: November 17, 2020 9:54 AM
To: Jane Hauser <pao@kitselas.com>
Cc: Cedarbox <cedarbox@kitselas.com>; Chris Apps <LR.Director@kitselas.com>; Thomas, Sarah

<Sarah.Thomas@bcogc.ca>; Swan, Ian <lan.Swan@BCOGC.ca>

Subject: RE: 100111738 CGL Multi-Use Site Referral - Kitselas

Good morning,

This e-mail is to follow-up with you regarding the multi-use site application from Coastal GasLink Pipeline Ltd. e-mailed to you on October 26, 2020.

PROPOSAL: Multi-Use Site

APPLICANT: Coastal GasLink Pipeline Ltd.

COMMISSION FILE: 100111738

RESPONSE REQUESTED BY: November 24, 2020

The Commission welcomes your input and comments regarding how the proposed project activities may affect your community.

s22

Should you have any additional questions or comments, please do not hesitate to contact Ian Swan directly at lan.Swan@bcogc.ca or at (250) 419-4485.

Regards,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5266
F. 250-794-5390



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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Sent: Monday, October 26, 2020 3:54 PM

To: Jane Hauser 'pao@kitselas.com' <pao@kitselas.com>

Cc: 'cedarbox@kitselas.com' <cedarbox@kitselas.com>; Chris Apps 'lr.director@kitselas.com' <lr.director@kitselas.com>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>

Subject: 100111738 CGL Multi-Use Site Referral - Kitselas

Good afternoon,

Please see the attached SER from Coastal GasLink Pipeline Ltd. (CGL) for a proposed multi-use site to support construction activities within Construction Section 8 (AMS #100111738).

The BC Oil & Gas Commission (Commission) is requesting your participation in the consultation process and the decision making process on the following activity:

PROPOSAL: Multi-Use Site

APPLICANT: Coastal GasLink Pipeline Ltd.

COMMISSION FILE: 100111738

RESPONSE REQUESTED IN 20 DAYS: November 24, 2020

The Commission welcomes your input and comments regarding how proposed project may affect your community. As per previous referrals, and as part of the Commission's commitment to sharing data in a timely manner, the above application has been uploaded for your viewing on your FTP site at:

s17

Should you encounter any difficulty accessing information on your FTP site please contact the Commission immediately.

We look forward to hearing back from you. The information you provide is highly valued and assists our decision makers to assess and address First Nations concerns where they may be impacted by oil and gas activity.

If you have any questions, comments or concerns, please contact Sarah Thomas at Sarah.Thomas@bcogc.ca or by phone at (250) 638-6404. Thank you.

Kindest Regards,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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bcogc.ca

T. 250 794-5266
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s16

Pages: 769-770

Keough, Dana

From: s19
Sent: Tuesday, November 24, 2020 5:21 PM
To: Thomas, Sarah s19
Cc: Nielsen, Angela C
Subject: RE: 100111738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Generally, prior to any reclamation occurring we request that a reclamation plan be developed or it is already in the permit conditions that they must have one. These plans are reviewed by commission staff, generally Ackbar's staff and approved. Most often these plans will have multi year reporting, where they have a set location where they take pictures every year to see the progress of the rehabilitation, sample plots etc... I also go out onsite and review the reclamation plan and see how the site is doing. s19 mentioned that Ahkbar gets out into the field quite a bit in the NE so he may do some site visits around here once all these sites get completed.

This is my "general" understanding of what I have done in the NW with BCOGC activities. I would suggest asking Ahkbar for more technical information.

Cheers,



s19

From: Thomas, Sarah
Sent: Tuesday, November 24, 2020 2:05 PM
To: s19
Cc: Nielsen, Angela C
Subject: FW: 100111738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Hi all,

I have a response from Kitselas and was wondering who I ask about this. I think you guys will know the answer

"The Geophysical Fax Report-in Form states that several reclamation activities will take place following decommissioning of the site, however, it does not discuss whether there will be follow-up visits/evaluations to ensure reclamation is successful. How does the BC OGC ensure that reclamation measures have been adequately implemented and that reclamation is successful in the year(s) following implementation?"

The proponent should be required to provide evidence that reclamation has been adequately implemented and successful following decommissioning.”

Do either of you have a response I can provide to this question?

Thank you

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Jane Hauser <pao@kitselas.com>
Sent: Wednesday, November 18, 2020 12:28 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Cc: Cedarbox <cedarbox@kitselas.com>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Subject: RE: 100111738 CGL Multi-Use Site Referral - Kitselas #KITSEL-DEV-PRJ-1360

Hi Angela,

Attached is Kitselas' response to this referral.

Thanks,
Jane



Jane Hauser
Project Assessment Officer

T: 250-615-4066
s22

2225 Gitaus Road
Terrace, B.C. V8G
0A9
PAO@kitselas.com

**Kitselas Land & Resources
Department**

From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: November 17, 2020 9:54 AM
To: Jane Hauser <pao@kitselas.com>

Cc: Cedarbox <cedarbox@kitselas.com>; Chris Apps <LR.Director@kitselas.com>; Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>

Subject: RE: 100111738 CGL Multi-Use Site Referral - Kitselas

Good morning,

This e-mail is to follow-up with you regarding the multi-use site application from Coastal GasLink Pipeline Ltd. e-mailed to you on October 26, 2020.

PROPOSAL: Multi-Use Site

APPLICANT: Coastal GasLink Pipeline Ltd.

COMMISSION FILE: 100111738

RESPONSE REQUESTED BY: November 24, 2020

The Commission welcomes your input and comments regarding how the proposed project activities may affect your community.

s22

Should you have any additional questions or comments, please do not hesitate to contact Ian Swan directly at Ian.Swan@bcogc.ca or at (250) 419-4485.

Regards,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Sent: Monday, October 26, 2020 3:54 PM

To: Jane Hauser 'pao@kitselas.com' <pao@kitselas.com>

Cc: 'cedarbox@kitselas.com' <cedarbox@kitselas.com>; Chris Apps 'lr.director@kitselas.com' <lr.director@kitselas.com>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>

Subject: 100111738 CGL Multi-Use Site Referral - Kitselas

Good afternoon,

Please see the attached SER from Coastal GasLink Pipeline Ltd. (CGL) for a proposed multi-use site to support construction activities within Construction Section 8 (AMS #100111738).

The BC Oil & Gas Commission (Commission) is requesting your participation in the consultation process and the decision making process on the following activity:

PROPOSAL: Multi-Use Site

APPLICANT: Coastal GasLink Pipeline Ltd.

COMMISSION FILE: 100111738

RESPONSE REQUESTED IN 20 DAYS: November 24, 2020

The Commission welcomes your input and comments regarding how proposed project may affect your community. As per previous referrals, and as part of the Commission's commitment to sharing data in a timely manner, the above application has been uploaded for your viewing on your FTP site at:

s17

Should you encounter any difficulty accessing information on your FTP site please contact the Commission immediately.

We look forward to hearing back from you. The information you provide is highly valued and assists our decision makers to assess and address First Nations concerns where they may be impacted by oil and gas activity.

If you have any questions, comments or concerns, please contact Sarah Thomas at Sarah.Thomas@bcogc.ca or by phone at (250) 638-6404. Thank you.

Kindest Regards,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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s16

Pages: 775-782

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission's website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Kalum Land and Resource Management Plan	Resource Management Zones		GEN
Kalum Land and Resource Management Plan	Grizzly Bear Population Units		Bulkley-Lakes
Kalum Land and Resource Management Plan	Primitive ROS Classes:Leavers 1997		qros_3
Kalum Land and Resource Management Plan	Grizzly Bear Identified Watersheds	Y	McKay - Davies

Legal Planning Objectives

Plan Name	Objective	Name	Value
Kalum Sustainable Resource Management Plan	Grizzly Bear Identified Watersheds	IWG_NAME	McKay - Davies

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Kalum Land and Resource Management Plan	21	Approved
Kalum Sustainable Resource Management Plan	18	Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Tsimshian First Nations

Haisla Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier

TR0603T079

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
No value	No value	No value	No value	No value

Layers Queried Successfully

Areas Established by the Commission	Parks, Ecological Reserves, and Protected Areas	First Nations Cultural Areas (Confidential)
First Nations Consultation Boundaries - Internal (Confidential)	Muskwa Kechika Management Area	First Nation Consultation Areas (Confidential)
Petroleum Titles	Water Management Basins	Crown Land Leases - Non Agriculture
Critical Habitat for Federally-Listed Species at Risk - Posted	Crown Land Leases - Agriculture	Crown Land Reserves and Notations
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Morice Land and Resource Management Plan	Morice Water Management Area		Water Mgmt Area
Morice Land and Resource Management Plan	Grizzly Bear Management Areas		Remote GB Management Zone
Morice Land and Resource Management Plan	Caribou Habitat Management Areas		Caribou_connect
Morice Land and Resource Management Plan	Identified Scenic Areas		Atna Lk & River

Legal Planning Objectives

Plan Name	Objective	Name	Value
-----------	-----------	------	-------

Strategic Land and Resource Plans

Plan Name

Morice Land and Resource Management Plan

Provincial ID

15

Plan Status

Legal

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Tsimshian First Nations

Haisla Nation

Wet'suwet'en Nation

Tantalus

Crown Land Reserves and Notations

File	Subpurpose	Subtype
7409630	GAS AND OIL PIPELINE	NOTATION OF INTEREST

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier

TR0609T033

Wildlife Habitat Areas - Approved

WHA

Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA

Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
No value	No value	No value	No value	No value

Layers Queried Successfully

Areas Established by the Commission	First Nations Cultural Areas (Confidential)	First Nations Consultation Boundaries - Internal (Confidential)
Parks, Ecological Reserves, and Protected Areas	First Nation Consultation Areas (Confidential)	Water Management Basins
Muskwa Kechika Management Area	Petroleum Titles	Critical Habitat for Federally-Listed Species at Risk - Posted
Crown Land Leases - Non Agriculture	Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed
Ungulate Winter Range - Approved	Crown Land Leases - Agriculture	Wildlife Habitat Areas - Approved
Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline	Caribou Herd Locations for BC
Endangered Species and Ecosystems - Non Sensitive Occurrences	Crown Land Reserves and Notations	Strategic Land and Resource Plans
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: Swan, Ian
Sent: Wednesday, November 18, 2020 12:14 PM
To: Anderson, Justin; Thomas, Sarah; Bourke, Jacqueline
Subject: RE: CGL Request for Leave to Condition 39 Section 8

Hi Justin,

Notification packages for this leave request have been sent to Kitselas and Haisla.

Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
[Office Address Directory](#)
bcogc.ca

T. 250 419-4485
F. 250-419-4403
S17



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From: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Sent: Monday, November 16, 2020 12:42 PM
To: Thomas, Sarah <Sarah.Thomas@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>; Bourke, Jacqueline <Jacqueline.Bourke@BCOGC.ca>
Subject: FW: CGL Request for Leave to Condition 39 Section 8



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

Fort St John BC
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F. 250-794-5390



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From: Phillips, Lori L <Lori.Phillips@BCOGC.ca>
Sent: Monday, November 16, 2020 1:07 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: CGL Request for Leave to Condition 39 Section 8



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Monday, November 16, 2020 12:31 PM
To: Post Permit Requests <postpermitrequests@bcogc.ca>
Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: CGL Request for Leave to Condition 39 Section 8

Please find attached a request for leave of the Commission for Condition 39 of Section 8 Pipeline Permit (AD# 100084230).

Should have any questions or require additional information, please let me know.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile: s22
TCEnergy.com

Keough, Dana

From: Anderson, Justin
Sent: Monday, November 16, 2020 1:42 PM
To: Thomas, Sarah; Swan, Ian; Bourke, Jacqueline
Subject: FW: CGL Request for Leave to Condition 39 Section 8
Attachments: CGL4703-CGP-REG-LEAVRQ-0094_Cond39.pdf; OGC leave form Sec 8 Cond 39.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



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From: Phillips, Lori L <Lori.Phillips@BCOGC.ca>
Sent: Monday, November 16, 2020 1:07 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: CGL Request for Leave to Condition 39 Section 8



Lori Phillips
Authorizations Manager
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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Monday, November 16, 2020 12:31 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: CGL Request for Leave to Condition 39 Section 8

Please find attached a request for leave of the Commission for Condition 39 of Section 8 Pipeline Permit (AD# 100084230).

Should have any questions or require additional information, please let me know.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile s22

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Thank you

s16

Pages: 797-806

November 16, 2020

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0094

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 1000884230 – Condition 39**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 39 – Clearing within 1000 meters of Ungulate Winter Range (UWR) U-6-001.

Coastal GasLink requires leave of the Commission to clear a portion of the pipeline right of way within 1000 meters of U-6-001. This is necessary so that Coastal GasLink can safely and efficiently execute construction in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to December 10, 2020.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION 39 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.

1.1 REASON FOR REQUEST

The Revision G route (Rev G) of the Coastal GasLink pipeline right-of-way (ROW) and associated footprint, overlaps or is located within the 1000 meters (m) of Ungulate Winter Range (UWR) U-6-001 between the following kilometre points (KPs):

- KP 619+000 to KP 623+600

Coastal GasLink is requesting leave of the Commission from Condition 39 to progress clearing activities between October 31 and June 15 between the following KPs in areas that overlap or are within 1000m of UWR U-6-001:

- KP 619+000 (560136 m E 5987930 m N) to KP 620+700 (558575 m E 5988011 m N), and
- Shooflies RW-160.3.B and RW-160.3.C.

These locations are shown on the map provided in Appendix A.

Clearing and access development through this area was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities. These activities need to continue during the restricted period outlined in Condition 39 to allow the Project to progress ROW preparation through this area.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Routing through this area is constrained by multiple terrain features including river valleys and mountain passes. While clearing has already occurred between KP 620+700 and KP 623+600 the remainder of the area back to KP 619+000 is still uncleared. In addition, clearing is required on portions of the shooflies as well.

Routing of these shooflies through this area is necessary due to the steep terrain of the river valley up to Icy Pass. Development of the shooflies is required prior to commencing clearing of the ROW as vehicles would not be able to safely operate using only the ROW.

Due the linear nature of pipeline construction, and the constrained working area, the shoofly must be cleared, and access established in advance of ROW clearing and mechanical work (e.g., grading, stringing, welding, trenching etc.). The shoofly access must be developed and maintained in a manner that supports safe and efficient construction of the pipeline, while also avoiding and reducing potential adverse effects on environmental and traditionally important resources.

Due to environmental constraints, weather restrictions, steep terrain and other unforeseen complexities, construction activities have not progressed in this area as quickly as planned and therefore it is expected that clearing of this area will need to occur during the restricted period noted in Condition 39.

2.2 ENVIRONMENTAL EFFECT

UWR U-6-001 was established to protect key habitat for mountain goat. The Environmental Assessment Office (EAO) Assessment Report outlines that the proposed Project would cause direct and indirect disturbance to the no harvest zone buffer (i.e. 1000 m buffer) around UWR U-6-001. Although the Project has the potential to cause habitat changes that facilitate access into the UWR and potentially increase disturbances that may displace mountain goats from preferred habitat, the EAO has concluded these effects would likely not be significant.

For the reasons described above in Section 2.1, the clearing and subsequent access development activities overlap the October 31 to June 15 timing restriction. Conducting clearing activities during these sensitive winter months could cause sensory disturbance to mountain goats potentially displacing individuals from preferred habitats however Coastal GasLink is committed to implementing the mitigation strategy detailed in the Environmental Management Plan and summarized in Section 3.0.

Ability to progress clearing in these sections of ROW and associated shooflies is critical to keeping the project to its proposed schedule and not having to extend the duration of the construction phase and potential associated impacts to mountain goats.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed specific mitigation for clearing and construction activities within mountain goat UWRs as indicated in the Wildlife and Wildlife Habitat Management Plan (WWHMP) (Appendix D.13 of the EMP). Coastal

GasLink will implement the following mitigation that was developed in consultation with provincial and federal authorities and Indigenous groups which was approved by the EAO in early 2016:

- Construction activities within the UWR will be completed as quickly as practical to reduce the duration of activities in the UWR.
- Coastal GasLink will use existing roads/linear corridors for access wherever practical to avoid creating permanent access within 1,000 m of mountain goat UWR U-6-003, and 500 m of UWR U-6-001. Coastal GasLink will deactivate and reclaim all temporary construction access within 1,000 m of mountain goat UWRs.
- Coastal GasLink will reduce construction traffic within the UWR to the extent practical by using multi-passenger vehicles to transport workers. Post and enforce low speed limits on the ROW and construction access.
- Coastal GasLink will use minimum disturbance construction techniques in areas where grading or blasting is not necessary in order to facilitate rapid regeneration of natural vegetation following construction. Coastal GasLink will implement reclamation measures to reclaim habitat disturbed by the Project within mountain goat UWRs, such as natural regeneration, tree seedling planting, and shrub staking/planting.
- Coastal GasLink will implement access control measures along the Project ROW in accordance with the Access Control Management Plan (Appendix D.3 of the EMP). Coastal GasLink will also monitor access control measures during Post-Construction Monitoring Program and implement remedial measures, if warranted (i.e., adaptive management protocol).

In addition, Coastal GasLink has developed a project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission to construct through this area that overlaps UWR U-6-001 during the restricted period. This is necessary so that Coastal GasLink can complete clearing activities in accordance with its schedule within this area.

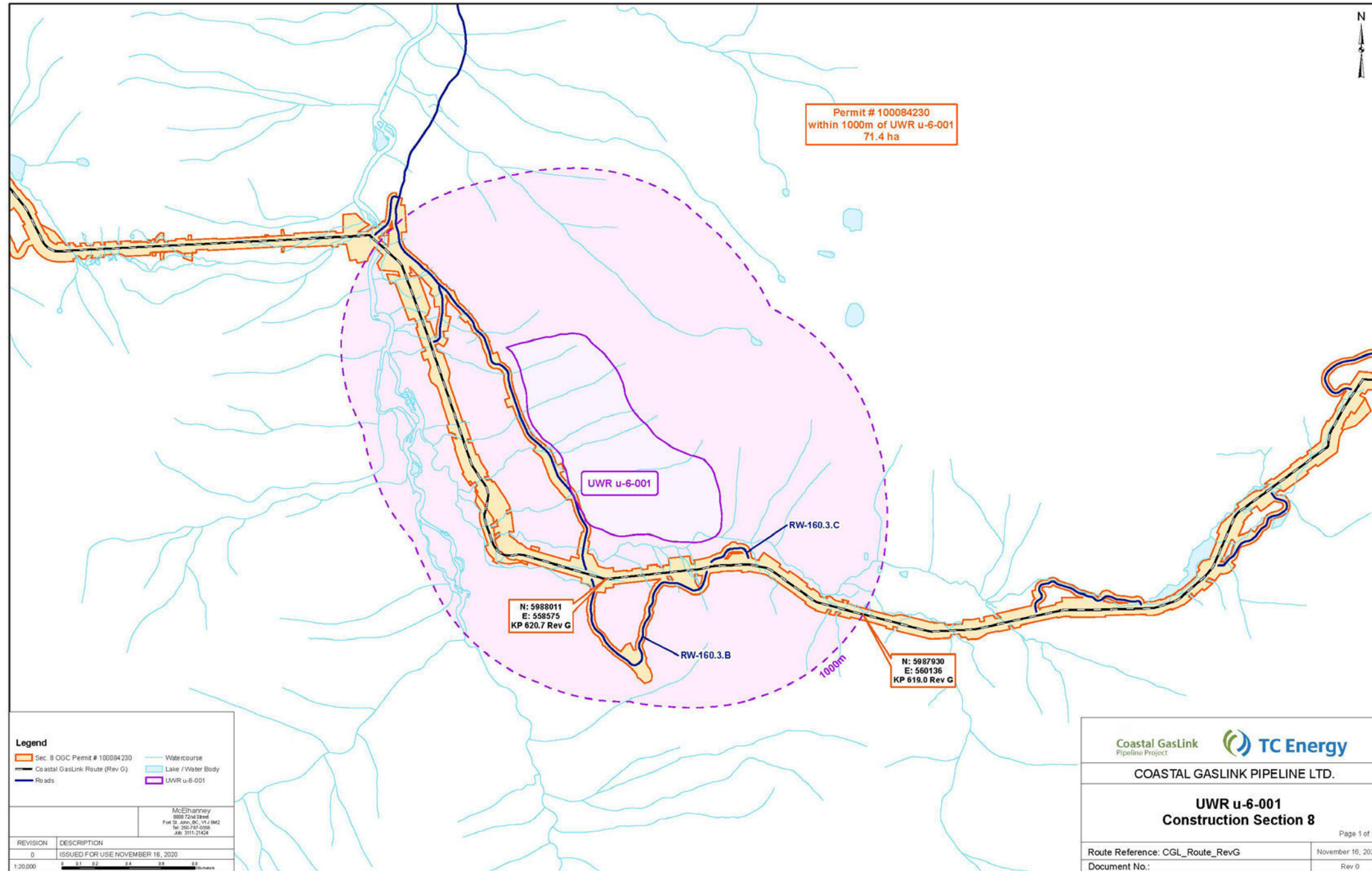
Mitigation for mountain goat was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on mountain goat, and further confirms that with implementing this mitigation granting the requested leave of the

Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCES

Ministry of Forest, Lands and Natural Resource Operations. 2013. *Order – Mountain Goat Ungulate Winter Range U-6-003. Morice Timber Supply Area*. Accessed June 2018. http://www.env.gov.bc.ca/wld/documents/uwr/u-6-003_ord.pdf.

Appendix A: Map





LEAVE OF COMMISSION FORM

Physical Address: 6534 Airport Road,
Fort St. John, B.C. V1J 4M6
Mailing Address: OGC, Bag 2, Fort St. John,
B.C. V1J 2B0
Phone: (250) 794-5200

Date Received

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 39. <i>Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.</i>	
Rationale for Request	Request for leave from Condition 39 to progress clearing within 1000-m of UWR U-6-001 between KP 619+000 and KP 620+700. Clearing activities need to continue through the restricted time period to allow the installation of access and to progress ROW preparation in this area. Clearing and access development within 1000-m of UWR U-6-001 was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities.	
Desired Date of Request Completion	December 10, 2020 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		
FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
Kitselas First Nation	<input checked="" type="checkbox"/> Leave of Commission Form	
	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified on November 12, 2020 regarding its intent to file this request		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
		E

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major Culvert	Ice Bridge	Other (please,)	
		N											

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------


Attach any documentation that will support a Commission Review:

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:
 (Print Name)

2020/11/16



AUTHORIZED SIGNATORY OF APPLICANT COMPANY	DATE (YYYY/MM/DD)
---	-------------------

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Thomas, Sarah
Sent: Friday, November 6, 2020 1:07 PM
To: Swan, Ian
Subject: Leave Request - Section 8, Condition 24

Hi Ian,

New leave request!

Here is the link to the Haisla leave request

[K:\Major Projects\Coastal GasLink\Leaves & Satisfaction\FN Consultation\2020-11-04 - CGL - Section 8, Condition 24\HN](#)

I'll send Kitselas after lunch

Cheers
Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17



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Keough, Dana

From: Anderson, Justin
Sent: Wednesday, November 4, 2020 10:12 AM
To: Bourke, Jacqueline; Thomas, Sarah
Subject: FW: Coastal GasLink Leave Request Section 8 ATWS
Attachments: CGL4703-CGP-REG-LEAVRQ-0093_S8_CCH.pdf; OGC leave Form Sec 8 Cond 24.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf; CGL4703-CGP-IR-RP-0121_Kitselas_First_Nation.pdf



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Phillips, Lori L <Lori.Phillips@BCOGC.ca>
Sent: Wednesday, November 4, 2020 9:47 AM
To: Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>; Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: FW: Coastal GasLink Leave Request Section 8 ATWS



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Tuesday, November 3, 2020 5:58 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: Coastal GasLink Leave Request Section 8 ATWS

Please find attached a request for leave to Condition 24 to clear a small area of additional temporary workspace on Section 8 (AD#100084230). This is a high priority request required to allow Coastal GasLink to progress with installation of a tower at Cable Crane Hill.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile s22

TCEnergy.com

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Thank you

November 3, 2020

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0093

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Coastal GasLink or Project)
Leave of the Commission
Section 8 Pipeline Permit AD # 100084230 – Condition 24**

Please find enclosed a request for Leave of Commission to clear additional temporary workspace at Cable Crane Hill per Condition 24 of the Section 8 Pipeline Permit.

Coastal GasLink requires leave of the Commission to clear additional temporary workspace alongside the pipeline right of way. This is necessary so that Coastal GasLink can safely and efficiently execute construction in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC prior to November 16, 2020.

Should you have any further questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely,



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the BC Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

- a) a previously disturbed area is less than 2 hectares;*
- b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
- c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

1.1 REASON FOR REQUEST

Further assessment of the right of way (ROW) has identified a location where minor changes are necessary for the purpose of addressing site-specific construction issues due to engineering, terrain, safety or environmental constraints. The location and reasoning for the change, including reference to the attached map, are indicated in Table 1. As the location of the incremental additional temporary workspace (ATWS) area is outside of the OGC permitted footprint, Coastal GasLink requires leave of the Commission.

Coastal GasLink requires incremental ATWS of 0.03 ha outside of the current footprint, within the pipeline construction corridor. The location of this change, including reference to the attached map, is provided in Table 1. Coastal GasLink notes that across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 331 ha overall and therefore adding this small portion of new footprint will not exceed the permitted limit of new cut on Crown land requested as part of this leave.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for specific changes is identified in Table 1 and shown in the attached map (CGW4703-MCSL-G-MP-2733) as referenced.

Table 1: Additional RW-300.0 Footprint

Area No.	KP	Area (ha)	Reason for Change
ATWS- KP624+900 _R0	624+900	0.03	Footprint required to allow for adequate space to allow for safe and efficient installation of tower anchors.
Total:		0.03	

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlined the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential adverse environmental effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the width of grading in order to limit the potential for erosion and subsoil compaction, where practical.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

In addition, Coastal GasLink has developed a Reclamation Program which will be used to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions as well as the Project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment. The new ATWS are directly adjacent to the approved footprint. Granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

FOOTPRINT OUTSIDE OGC PERMIT - SECTION 8

AREA No.	KP	AREA (ha)	REASON FOR SHIFT	OWNERSHIP	NORTHING (UTM 9)	EASTING (UTM 9)
ATWS-KP624+900_R0	624+900_R0	0.03	CONTRACTOR REQUEST	CROWN	5989851.3	555878.2

LEGEND :

	Construction Footprint		Watercourse
	OGC P/L R/W Permit (2014)		Crown Tenure
	Area Outside OGC Permit		Anchor Points
	Coastal GasLink Route		
	Coastal GasLink Construction Corridor		

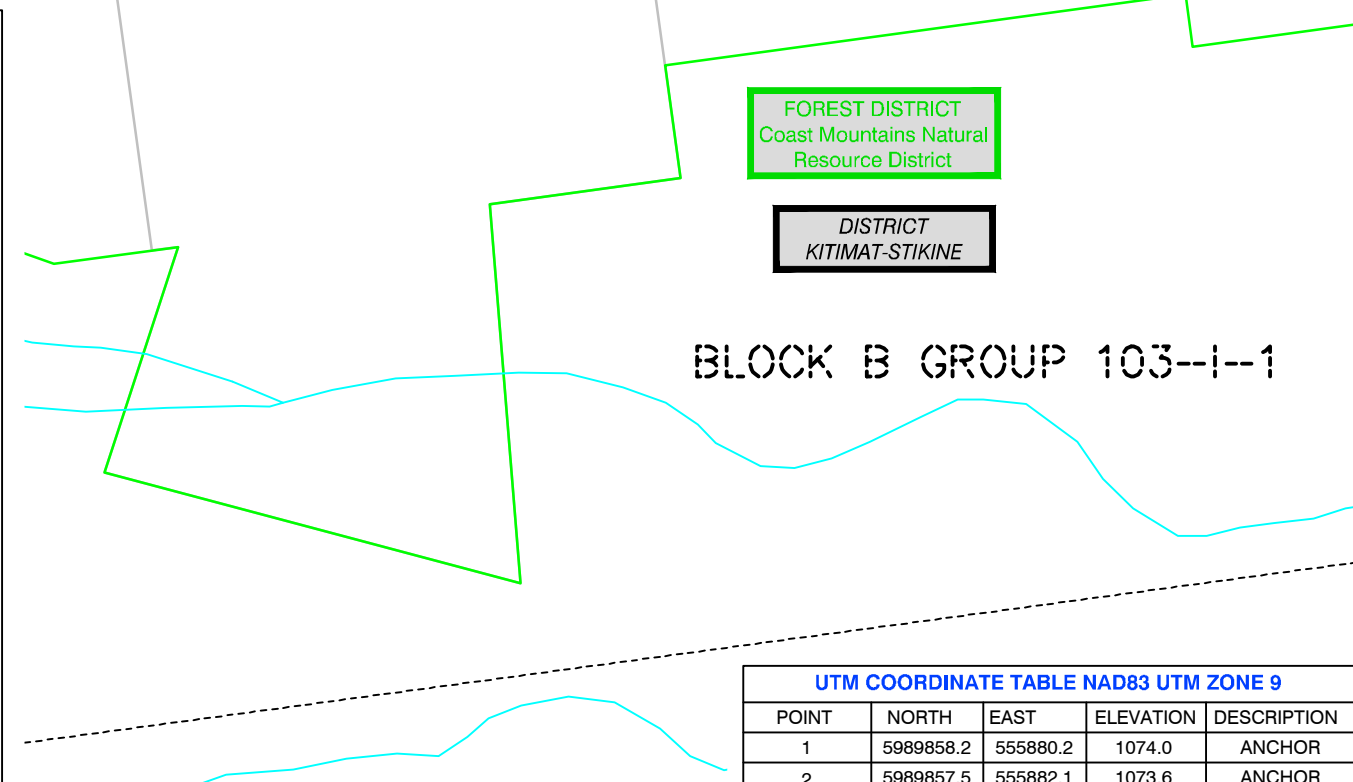
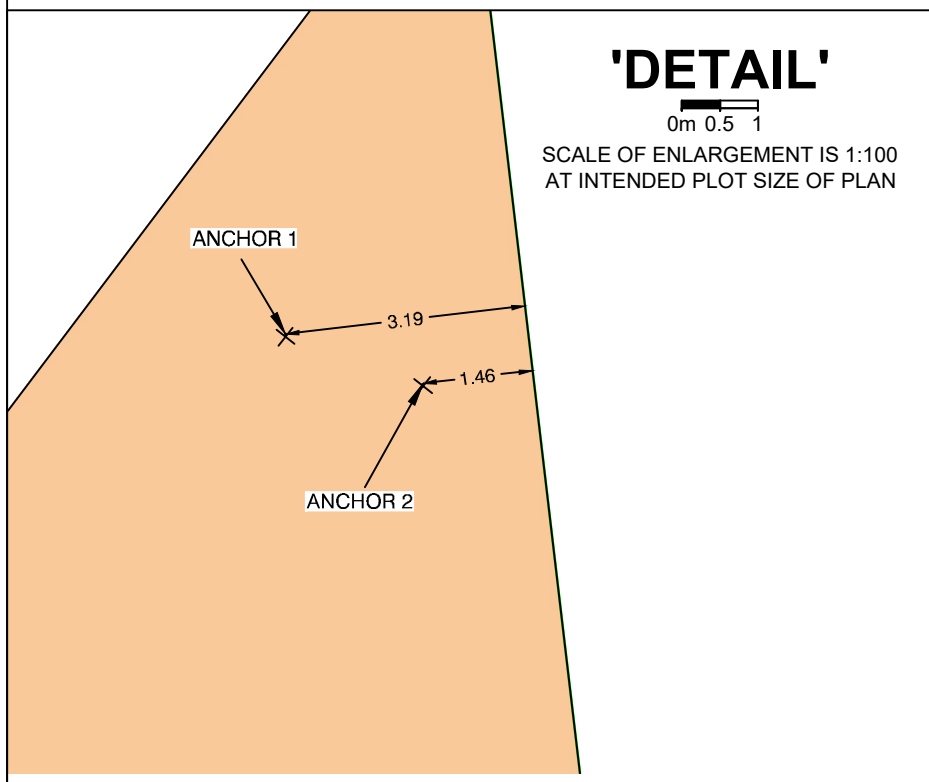
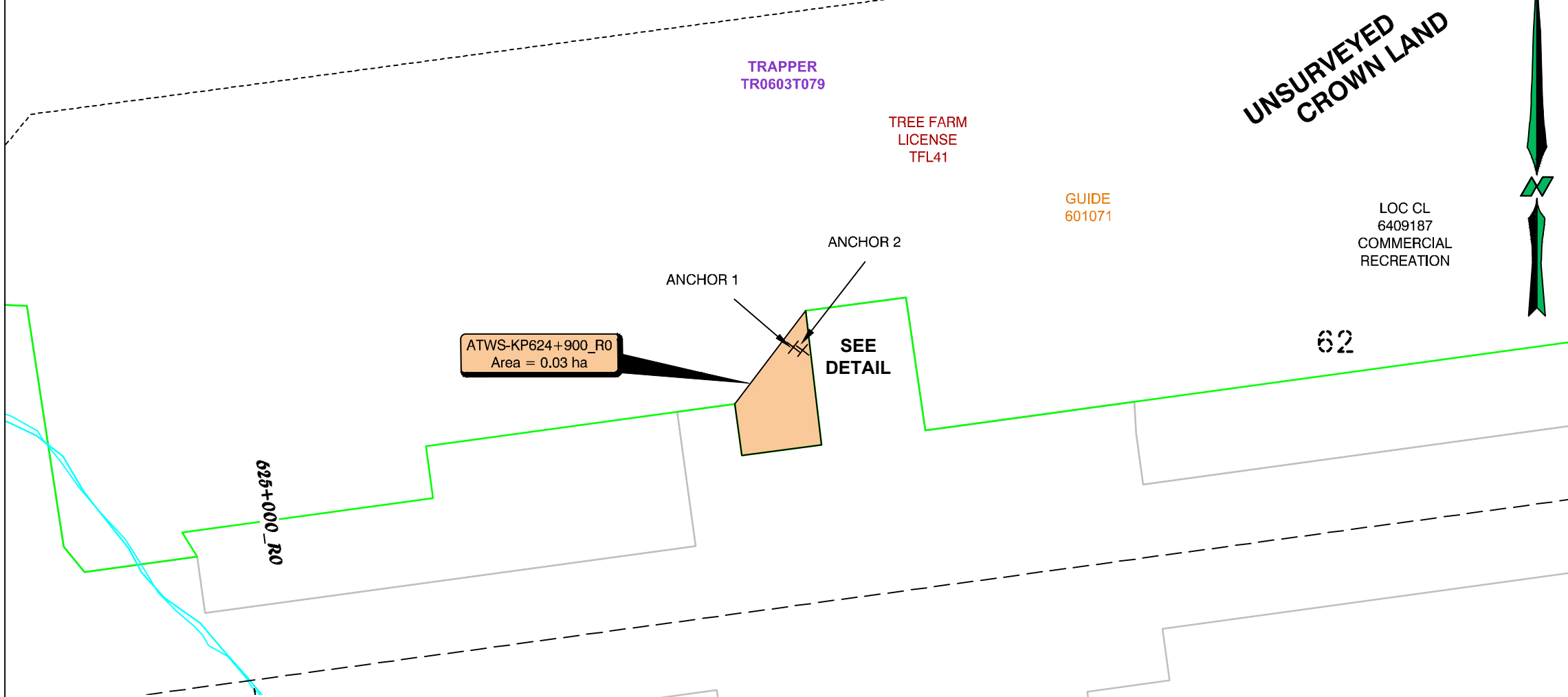
NOTES :

- 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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone: (250)787-0356, Fax: (250)787-0310
 Job : 3011-00173-50

BCGS 1031 . 010

REVISION	DESCRIPTION
0	Issued for Use, October 22, 2020



UTM COORDINATE TABLE NAD83 UTM ZONE 9

POINT	NORTH	EAST	ELEVATION	DESCRIPTION
1	5989858.2	555880.2	1074.0	ANCHOR
2	5989857.5	555882.1	1073.6	ANCHOR

Coastal GasLink Pipeline Project

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING

ATWS - KP624+900_R0 SECTION 8

WITHIN UNSURVEYED CROWN LAND RANGE 5 COAST

Route Reference: Section 8 Centreline Rev 1	Oct 22, 2020
Document No. CGW4703-MCSL-G-MP-2733-ATWS_KP624+900_R0-Rev0	Rev 0



LEAVE OF COMMISSION FORM Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: OGC, Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200	Date Received
--	---------------

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY	A
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Commission File No. AD No.:		
ADMINISTRATION		
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	

APPLICATION INFORMATION	C
--------------------------------	----------

Surface Location: Section 8 (see Mapbook) <input type="checkbox"/> N/A	
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless: a) a previously disturbed area is less than 2 hectares; b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.
Rationale for Request	Coastal GasLink requires new additional temporary workspace of approximately 0.03 ha outside of the current footprint, within the construction corridor, in areas that are not previously disturbed. Across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 331 ha overall and will not exceed the permitted limit of new cut on crown land requested as part of this leave.
Desired Date of Request Completion	November 15, 2020 to provide project certainty to construction contractors
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline	

FIRST NATIONS INFORMATION	D
----------------------------------	----------

Ensure the following are attached to the application for First Nations engagement purposes:	
First Nations	Attachments
Haisla Nation – comments in attachment	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)
Kitselas First Nation – comments in attachment	<input checked="" type="checkbox"/> Leave of Commission Form
	<input checked="" type="checkbox"/> Any documents provided to support Leave Request
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified regarding its intent to file this request	
WORKS IN AND ABOUT A STREAM	<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No	

WORKS IN AND ABOUT A STREAM

N/A E

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major	Ice Bridge	Other (please,)	

ADDITIONAL INFORMATION REQUIREMENTS

F

Attach any documentation that will support a Commission Review:

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION

G

I, Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2020/11/03

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY

DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

s16
Pages: 825-834

Keough, Dana

From: Nielsen, Angela C
Sent: Tuesday, October 27, 2020 12:24 PM
To: O'Flaherty, Sandy; Thomas, Sarah; Swan, Ian; Hicks, Lee Ann; Erickson-Fearon, Candace
Cc: Howes, Ken
Subject: RE: AA100111330 - Coastal GasLink Pipeline Ltd. - Amendment

This permit has been distributed and updated on the FTP sites.

Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5266
F. 250-794-5390



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From: McNutt, Dawn <Dawn.McNutt@BCOGC.ca>
Sent: Tuesday, October 27, 2020 11:01 AM
To: O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>; Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@BCOGC.ca>
Cc: Howes, Ken <Ken.Howes@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: AA100111330 - Coastal GasLink Pipeline Ltd. - Amendment

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5271
F. 250 794-5390



October 27, 2020

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Amendment to Application Determination Number 100100843

Permit Holder: Coastal GasLink Pipeline Ltd.
Amendment Date of Issuance: October 27, 2020
Amendment Effective Date: October 27, 2020
Application Submission Date: July 8, 2020
Amendment Application Number: 100111330
Approved Disturbance Footprint: 0.0 ha

AMENDMENT DETAILS

Changes In and About a Stream: 0003537	To add stream crossings within the laydown area.
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GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

1. The Commission, under section 26(1) of the *Water Sustainability Act*, hereby grants an amendment to the above referenced permit, as detailed in the Amendment Details table below, subject to the original permit, any subsequent amendments and any additional or revised conditions as set out herein.

CONDITIONS

Notification

2. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Clearing/Forest Act

3. 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.

Water Course Crossings and Works

4. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
5. In-stream activities within a fish bearing stream, lake or wetland must occur:
 - a. during the applicable reduced risk work windows as specified in the Skeena Region - Reduced Risk Work Windows;
 - b. in accordance with alternative timing and associated mitigation recommended by a Qualified Professional and accepted by the Commission; or
 - c. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
6. At any time, the Commission may suspend instream works authorized under this permit. Suspensions on instream works will remain in place until such time as the Commission notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
7. Equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.
8. The permit holder must ensure any instream works related to maintenance are planned and overseen by a qualified professional. This individual must assess and determine whether planned works pose a risk to any of the features listed below, and is responsible for developing and implementing mitigation measures to reduce any potential impacts on these features, as required:
 - a. fish or important fisheries habitat;
 - b. species identified as special concern, threatened, or endangered under the federal *Species at Risk Act*; or
 - c. species identified by Order as a species at risk under the *Forest and Range Practices Act* or the *Oil and Gas Activities Act*.

This assessment must be provided to the Commission upon request.

9. Following initial construction, stream, lake and wetlands crossings are authorized for necessary maintenance activities on the activity area except for:
 - a. works within the boundary of a provincial park;
 - b. stream bank or stream bed revetment works in a stream classified as S1, S2, S3, S4 or S5;
 - c. permanent alteration of a stream bank;
 - d. works within a Temperature Sensitive Stream established by order under s. 27 of the Environmental Protection and Management Regulation; or
 - e. works within a Fisheries Sensitive Watershed established by order under s. 28 of the Environmental Protection and Management Regulation.
10. Mechanical stream crossings must be constructed, maintained and deactivated according to the following requirements, as applicable:
 - a. To facilitate construction of a crossing, a machine is permitted to ford the stream a maximum of one time in each direction at the crossing location.
 - b. Only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings;

- c. The permit holder must ensure that permanent bridges are designed and fabricated in compliance with:
 - i. the Canadian Standards Association Canadian Bridge Design Code, CAN/CSA-S6; and
 - ii. soil property standards, as they apply to bridge piers and abutments; set out in the Canadian Foundation of Engineering Manual.
- d. Except with leave of the Commission, the permit holder must ensure that
 - i. culverts are designed and fabricated in compliance with the applicable:
 - a. Canadian Standards Association CSA G401, Corrugated Steel Pipe Products; or
 - b. Canadian Standards Association Standard CSA B1800, Section B182.8, Plastic Non-pressure Pipe Compendium; or
 - ii. any pipe installed in lieu of a culvert is of at least equivalent standard and strength as any culvert as specified above.
- e. Except with leave of the Commission, the permit holder must ensure that bridges or culverts meet the criteria set out in i., ii. or iii. below:
 - i. the bridge or culvert is designed to pass the highest peak flow of the stream that can reasonably be expected within the return periods set out in Column 2 of the table below for the period the permit holder anticipates the structure will remain on site, as set out in Column 1 of the table below:

Anticipated period crossing structure will remain on site	Peak flow period
Bridge or culvert, 3 years or less	10 years
Bridge other than a bridge within a community watershed, more than 3 years but less than 1550 years	
Bridge within a community watershed, more than 3 years	100 years
Bridge, 15 years or more	100 years
Culvert, more than 3 years	100 years
 - ii. the bridge, or any component of the bridge:
 - a. is designed to pass expected flows during the period the bridge is anticipated to remain on the site;
 - b. is constructed, installed and used only in a period of low flow; and
 - c. is removed before any period of high flow begins.
 - iii. the culvert;
 - a. is a temporary installation, and the permit holder does not expect to subsequently install a replacement culvert at that location;
 - b. is not installed in a stream, when the stream contains fish;
 - c. is sufficient to pass flows that occur during the period the culvert remains on the site;
 - d. is installed during a period of low flow; and
 - e. is removed before any period of high flow begins.
- f. Snow fills must consist of clean snow and may only be located on streams that are dry or frozen to the bottom during the period of construction, maintenance and use. Where periodic thaws are anticipated, the permit holder must ensure measures are in place that allows meltwater to pass

through, ensure movement of fish is not impeded, and prevent pooling on the upstream side of the snow fill. Snow fill and any installed culverts must be removed prior to spring snow melt;

- g. Ice bridges on fish bearing streams may only be constructed where sufficient water depth and stream flows prevent the bridge structure from coming in contact with the stream bottom;
- h. Water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless
 - i. the water body is a stream with a stream channel width of at least 5 meters and is not designated as a sensitive stream under the *Fish Protection Act*, or has a riparian class of W1, W3, or L1;
 - ii. the water is sourced from the same water body proximal to the location on which the ice bridge is constructed;
 - iii. the water body is not within the boundaries of a public park;
 - iv. pump intakes do not disturb beds of streams or wetlands and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline, and
 - a. where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs, or
 - b. where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm;
 - v. records of water withdrawal and corresponding streamflow measurements are maintained by the permit holder and provided to the Commission upon request.
- i. Bridge or culvert abutments, footings and associated scour protection must be located outside the natural stream channel and must not constrict the channel width.
- j. Wetland crossings must be constructed, maintained and removed in accordance with the following:
 - i. organic cover within and adjacent to the wetland must be retained;
 - ii. minimize erosion or release of sediment within the wetland;
 - iii. any padding materials must be placed on the wetland surface only and must not be used for infilling;
 - iv. any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and
 - v. the wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.

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.



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – CWL Energy Management Ltd.
First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)

Keough, Dana

From: Bourke, Jacqueline
Sent: Monday, October 26, 2020 3:56 PM
To: Thomas, Sarah
Subject: FW: Leave Request for Section 8, Conditions 24 and 39
Attachments: CGL4703-CGP-REG-LEAVRQ-0088_Cond24_39_rev1.pdf



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
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F. 250-794-5390



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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Monday, October 26, 2020 3:55 PM
To: Bourke, Jacqueline <Jacqueline.Bourke@BCOGC.ca>
Cc: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Shelley McInnis <shelley_mcinnis@tcenergy.com>
Subject: RE: Leave Request for Section 8, Conditions 24 and 39

Hi Jacquie,

I have revised the leave request (see attached) to clarify the KP locations as discussed. I have made no changes to the First Nations supplemental documents or the leave form that was submitted with the original leave request and therefore did not revise those.

Please let me know if you have any other questions or require additional information.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile: s22
TCEnergy.com

From: Bourke, Jacqueline <Jacqueline.Bourke@BCOGC.ca>
Sent: Friday, October 23, 2020 2:50 PM
To: Tracy Young <tracy_young@tcenergy.com>
Cc: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: [EXTERNAL] RE: Leave Request for Section 8, Conditions 24 and 39

Hi Tracy,

Thanks for answering the questions below. Can you please submit a revised request that reflects the correct area?

Thanks again,

Jacque



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

Fort St John BC
[Office Address Directory](#)
bcogc.ca

T. 250 794-5265
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From: Tracy Young <tracy_young@tcenergy.com>
Sent: Wednesday, October 21, 2020 9:11 AM
To: Bourke, Jacqueline <Jacqueline.Bourke@BCOGC.ca>
Cc: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: RE: Leave Request for Section 7, Conditions 24 and 39

Hi Jacque,

I have followed up with the construction team and they have clarified that the area requested for leave should actually extend from **KP 588+300 through to KP 593+900** not KP 592+000 through to KP 593+100 that was stated in the request submitted. Please let me know if this suffices as an update or if you would like me to revise the leave request.

A portion of the right-of-way (ROW) has already been cleared through KP 588+300 to KP 593+900. Efforts have been made to only clear the area of ROW that is required to safely execute however it has been identified that additional workspace (within the permitted footprint) may be required as the contractor progresses with development of the ROW in this area e.g grubbing and grading. Construction activities will be continuing through this area for as long as the weather permits so I am unable to narrow down the timeframe for the leave request.

Thank you,

Tracy Young
Senior Regulatory Analyst
Coastal GasLink Pipeline Project

From: Bourke, Jacqueline <Jacqueline.Bourke@BCOGC.ca>
Sent: Tuesday, October 13, 2020 3:32 PM
To: Tracy Young <tracy_young@tcenergy.com>
Cc: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: [EXTERNAL] Leave Request for Section 7, Conditions 24 and 39

Hello Tracy,

Upon review of Coastal Gaslink's October 5th submission for leave of conditions 24 and 39 of the Section 7 pipeline permit, the Commission has the following questions:

- The leave request information states that "there remains discrete portions of the ROW and associated shooflies within the UWR and 1000 m buffer where clearing has not been completed." Please provide more detailed information on how much area within the UWR is proposed to be cleared during the excluded timing window and also identify these areas on the map of the project area.
- When is clearing expected to start and finish within UWR U-6-003? Is CGL able to narrow down the timeframe for which it needs leave of condition 39?

Thank you,

Jacquie



Jacqueline Bourke
Review Approval Resource Officer
Jacqueline.Bourke@BCOGC.ca

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1.0 PERMIT CONDITION 39 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

- a) a previously disturbed area is less than 2 hectares;*
- b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
- c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.

1.1 REASON FOR REQUEST

Further assessment of the right of way (ROW) has identified locations where minor changes are necessary for the purpose of addressing site-specific construction issues due to engineering, terrain, safety or environmental constraints. The locations and reasoning for the change, including reference to the attached map (CGW4703-MCSL-G-MP-2722), are indicated in Table 1. As the location of these incremental additional temporary workspace (ATWS) areas are outside of the OGC permitted footprint, Coastal GasLink requires leave of the Commission from Condition 24.

Coastal GasLink requires incremental ATWS of 1.17 ha outside of the current footprint, within the construction corridor. Coastal GasLink notes that across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 333 ha overall and therefore adding this small portion of new footprint will not exceed the permitted limit of new cut on crown land requested as part of this leave.

UWR

In addition, there are areas of the Revision G route of the Coastal GasLink pipeline ROW that overlap or are within 1000 meters (m) of Ungulate Winter Range (UWR) U-6-003 between KP 588+300 and 593+900 inclusive of the ATWS listed in Table 1. Clearing activities need to be completed in discrete areas between KP 588+300 and 593+900 to allow the installation of access and to progress ROW preparation in this

area. Clearing and access development through UWR U-6-003 did progress but was not fully completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities. These activities need to continue during the restricted period outlined in Condition 39 to allow the Project to install access and progress ROW preparation through the Clore River Valley.

Coastal GasLink is requesting leave of the Commission from Condition 39 to progress clearing activities between October 31 and June 15 in this area.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for ATWS is identified in Table 1 and locations are shown in the attached Mapsheet (CGW4703-MCSL-G-MP-2722) as referenced.

Table 1: Additional RW-300.0 Footprint

Area No.	KP	Area (ha)	Reason for Change
ATWS Burnie Gorge-1; ATWS Burnie Gorge-2; ATWS Burnie Gorge-3; ATWS Burnie Gorge-4; ATWS Burnie Gorge-5; ATWS Burnie Gorge-6	592+000_R0; 592+050_R0; 592+500_R0; 592+700_R0; 592+725_R0; 592_780_R0	0.07; 0.21; 0.84; 0.03; 0.01; 0.01	There is steep terrain in this area and additional footprint is required to be able to complete the work safely and efficiently.

UWR

Routing through approximately KP 583+300 to KP 593+900 is constrained by multiple terrain features including river valleys and mountain passes. These terrain features require multiple work sites to be active simultaneously to balance the overlapping constraints and considerations through this area. Clearing has progressed through majority of this area however, there remains discrete portions of the ROW and associated shooflies within the UWR and 1000 m buffer where clearing has not been completed.

Due to environmental constraints, weather restrictions, steep terrain and other unforeseen complexities, construction activities have not progressed in this area as quickly as planned. Clearing and access development need to be completed to progress construction west towards Icy Pass through the Clore River Valley.

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlines the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

UWR

UWR U-6-003 was established to protect key habitat for mountain goat. It is conservatively assumed that clearing of Rev G route of the Coastal GasLink pipeline ROW and associated footprint will impact approximately 17.1 ha within mountain goat UWR U-6-003 (approximately 0.01% of the total area of 120,613 ha [Ministry of Forest, Lands and Natural Resource Operations, 2013]) and approximately 86.8 ha within the associated 1000 m buffers from KP 583 to KP 594. Although the Project has the potential to cause habitat changes that facilitate access into the UWR and potentially increase disturbances that may displace mountain goats from preferred habitat, the EAO has concluded these effects would likely not be significant.

For the reasons described above in Section 2.1, the clearing and subsequent access development activities overlap the October 31 to June 15 timing restriction. Conducting clearing activities during these sensitive winter months could cause sensory disturbance to mountain goats potentially displacing individuals from preferred habitats. Coastal GasLink is committed to implementing the mitigation strategy detailed in the Environmental Management Plan. Ability to progress clearing in these sections of ROW and associated shooflies is critical to keeping the project to its proposed schedule and not having to extend the duration of the construction phase and potential associated impacts to mountain goats.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential environmental adverse effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Conduct clearing near watercourses or wetlands as described in Section 7.1 and Section 8.4 of the EMP.
- During clearing, fell trees towards the ROW, wherever practical. Recover trees that inadvertently fall into adjacent undisturbed vegetation.
- Avoid disturbance to environmentally sensitive features during clearing as identified by the appropriate signage or fencing. The Environmental Inspector(s) and appropriate Resource Specialist will determine the size of avoidance buffer surrounding these features, if appropriate.
- Where practical, leave stumps in place, particularly on streambanks, to provide surface stability. Dispose of stumps removed from the required work areas by burning or chipping, or stockpile for use in access or line-of-sight control.
- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the

width of grading in order to limit the potential for erosion and subsoil compaction, where practical.

- Where practical, avoid grading in riparian areas until installation of the vehicle crossing.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

UWR

Coastal GasLink has also developed specific mitigation for clearing and construction activities within mountain goat UWRs as indicated in the Wildlife and Wildlife Habitat Management Plan (WVHMP) (Appendix D.13 of the EMP). Coastal GasLink will implement the following mitigation that was developed in consultation with provincial and federal authorities and Indigenous groups which was approved by the EAO in early 2016:

- Construction activities within the UWR will be completed as quickly as practical to reduce the duration of activities in the UWR.

- Coastal GasLink will use existing roads/linear corridors for access wherever practical to avoid creating permanent access within 1,000 m of mountain goat UWR U-6-003, and 500 m of UWR U-6-001. Coastal GasLink will deactivate and reclaim all temporary construction access within 1,000 m of mountain goat UWRs.
- Coastal GasLink will reduce construction traffic within the UWR to the extent practical by using multi-passenger vehicles to transport workers. Post and enforce low speed limits on the ROW and construction access.
- Coastal GasLink will use minimum disturbance construction techniques in areas where grading or blasting is not necessary in order to facilitate rapid regeneration of natural vegetation following construction. Coastal GasLink will implement reclamation measures to reclaim habitat disturbed by the Project within mountain goat UWRs, such as natural regeneration, tree seedling planting, and shrub staking/planting.
- Coastal GasLink will implement access control measures along the Project ROW in accordance with the Access Control Management Plan (Appendix D.3 of the EMP). Coastal GasLink will also monitor access control measures during Post-Construction Monitoring Program and implement remedial measures, if warranted (i.e., adaptive management protocol).

In addition, Coastal GasLink has developed a project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

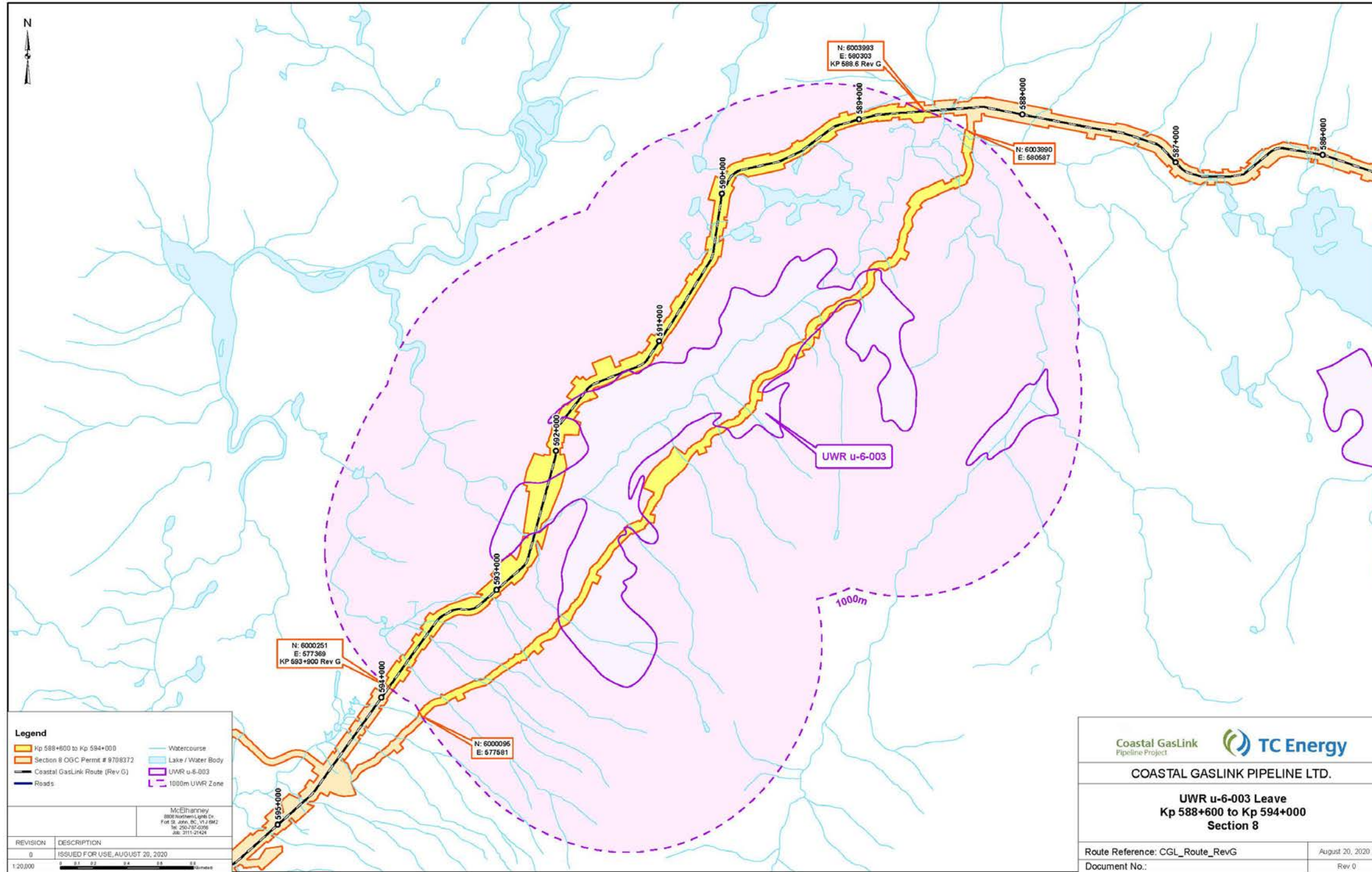
Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment and so that it can construct through this area that overlaps UWR U-6-003 during the restricted period. This is necessary so that Coastal GasLink can complete clearing activities in accordance with its schedule within the Clare River Valley in 2020.

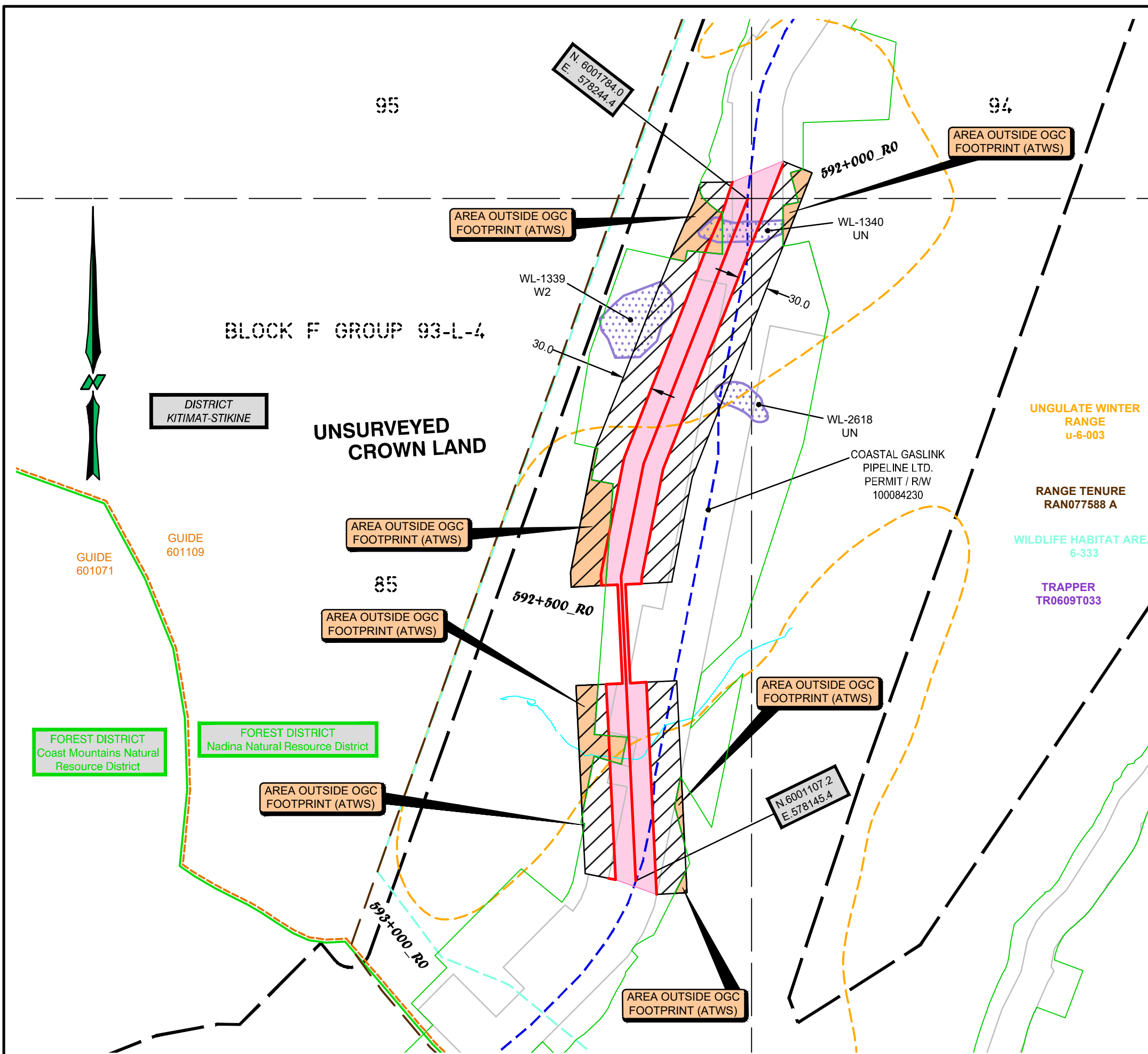
Mitigation for mountain goat was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on mountain goat, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCES

Ministry of Forest, Lands and Natural Resource Operations. 2013. *Order – Mountain Goat Ungulate Winter Range U-6-003. Morice Timber Supply Area*. Accessed June 2018. http://www.env.gov.bc.ca/wld/documents/uwr/u-6-003_ord.pdf.

Appendix A: Map





LEGEND :

	Section 8 Centreline Rev 1		Construction Footprint
	Proposed Re-Route		OGC P/L R/W Permit (2014)
	Watercourse		Wetlands
	Pipeline Construction Corridor		Footprint Outside OGC Permit (ATWS)
	Ungulate Winter Range		Re-Route Footprint
	Guide Outfitter		30m Buffer
	Forest District		Wildlife Habitat Area
	Range Tenure		

NOTES :
 -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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310

BCGS 093L. 011

REVISION	DESCRIPTION
0	Issued for Information, September 10, 2020



DRAFT

Coastal GasLink Pipeline Project

TC Energy

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING

PROPOSED BURNIE GORGE RE-ROUTE
 KP 592+000_R0
 WITHIN UNIT 85, BLOCK F GROUP 93-L-4
 CONSTRUCTION SECTION 8

Route Reference: Section 8 Centreline Rev 1	September 10, 2020
Document No. CGW4703-MCSL-G-MP-	Rev 0

Keough, Dana

From: Swan, Ian
Sent: Monday, October 26, 2020 4:10 PM
To: Nielsen, Angela C; Thomas, Sarah
Subject: RE: 100111738 SOE Report - CGL Multi Use Site

Thanks, Ang!



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

Victoria BC
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[bcogc.ca](#)

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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Monday, October 26, 2020 4:10 PM
To: Swan, Ian <Ian.Swan@BCOGC.ca>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Subject: RE: 100111738 SOE Report - CGL Multi Use Site

This has been referred.



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: Swan, Ian <Ian.Swan@BCOGC.ca>
Sent: Friday, October 23, 2020 3:44 PM

To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Subject: RE: 100111738 SOE Report - CGL Multi Use Site

Hi all,

I've drafted a referral letter for Haisla for this file (attached and [saved in e-binder](#)).

This should be ready to be referred out along with the Kitselas SER.

Thanks,
Ian



Ian Swan
First Nations Liaison Officer
Ian.Swan@BCOGC.ca

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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>

Sent: Friday, October 23, 2020 8:24 AM

To: Swan, Ian <Ian.Swan@BCOGC.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>

Subject: RE: 100111738 SOE Report - CGL Multi Use Site

Ian –

You'll draft a letter for Haisla?

Cheers

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Swan, Ian <Ian.Swan@BCOGC.ca>
Sent: Thursday, October 22, 2020 4:56 PM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Cc: Howes, Ken <Ken.Howes@BCOGC.ca>
Subject: RE: 100111738 SOE Report - CGL Multi Use Site

Hi Sarah,

This SER looks good to me, I don't see any required edits.

Cheers,
Ian



Ian Swan
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Ian.Swan@BCOGC.ca

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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Wednesday, October 21, 2020 3:40 PM
To: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Cc: Howes, Ken <Ken.Howes@BCOGC.ca>
Subject: RE: 100111738 SOE Report - CGL Multi Use Site

Hey Ian –

Could you please review this SER. I went with moderate as it is a laydown site.

Haisla will need a letter as well

And thank you Ang for your work.

Cheers

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Sent: Wednesday, October 21, 2020 11:17 AM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Cc: Howes, Ken <Ken.Howes@BCOGC.ca>
Subject: 100111738 SOE Report - CGL Multi Use Site

Good morning,

We have received a new application from Coastal GasLink Pipeline for a multi-use site. I have attached the Program Summary for more information.

First Nations impacted:
Haisla Nation
Kitselas First Nation

Cheers,
Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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Pages: 857-858

Keough, Dana

From: Nielsen, Angela C
Sent: Monday, October 26, 2020 4:23 PM
To: O'Flaherty, Sandy; Thomas, Sarah; Swan, Ian; Hicks, Lee Ann; Erickson-Fearon, Candace
Cc: Howes, Ken
Subject: RE: AD100110970- Coastal GasLink Pipeline Ltd. - Permit

This permit has been distributed and updated on the FTP sites.

Angela



Angela Nielsen
First Nations Liaison Assistant
Angela.Nielsen@bcogc.ca

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From: McNutt, Dawn <Dawn.McNutt@BCOGC.ca>
Sent: Friday, October 23, 2020 10:34 AM
To: O'Flaherty, Sandy <Sandy.OFlaherty@BCOGC.ca>; Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>; Hicks, Lee Ann <LeeAnn.Hicks@BCOGC.ca>; Erickson-Fearon, Candace <Candace.Erickson-Fearon@BCOGC.ca>
Cc: Howes, Ken <Ken.Howes@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: AD100110970- Coastal GasLink Pipeline Ltd. - Permit

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)



Dawn McNutt
Permitting Assistant
Dawn.McNutt@BCOGC.ca

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November 3, 2020

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

Attention: Coastal GasLink Pipeline Ltd.

Re: Correction to Application Determination Number 100110970

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Permit Issuance: October 23, 2020
Date of Correction: November 3, 2020
Application Determination Number: 100110970

The BC Oil and Gas Commission hereby corrects the permit identified and dated above as follows:

- **The ACTIVITY DETAILS table is corrected for PODs 011, 012 and 013 to read:**

Point of Diversion No.: 011	Water Source Name: POD H5: Kitimat River
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 09 Northing 5989907, Easting 557039 Maximum Withdrawal Rate (l/s): 0.15 m ³ /s Daily Withdrawal Volume (m³/day): 12960 Total Withdrawal Volume (m³): 21000	
Point of Diversion No.: 012	Water Source Name: POD H6: Hirsch Creek
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 09 Northing 5993694, Easting 533400 Maximum Withdrawal Rate (l/s): 0.15 m ³ /s Daily Withdrawal Volume (m³/day): 12960 Total Withdrawal Volume (m³): 30000	
Point of Diversion No.: 013	Water Source Name: POD H7: Kitimat River
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 09 Northing 5986918, Easting 521051 Maximum Withdrawal Rate (l/s): 0.15 m ³ /s Daily Withdrawal Volume (m³/day): 12960 Total Withdrawal Volume (m³): 21000	

Permit Holder: Coastal GasLink Pipeline Ltd.
Application Determination number: 100110970

Application Submission Date: June 20, 2020
Date Issued: November 3, 2020

The Permit Holder must comply with any permissions, authorizations, approvals and conditions set out in the original permit, any subsequent amendments to the permit and any additional corrections as set out herein.

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



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council, Kitselas First Nation (Traditional Territory)

Keough, Dana

From: Nielsen, Angela C
Sent: Wednesday, October 21, 2020 11:17 AM
To: Thomas, Sarah; Swan, Ian
Cc: Howes, Ken
Subject: 100111738 SOE Report - CGL Multi Use Site
Attachments: 100111738 SOE Report.pdf; 100111738 CGL Program_Summary_Multi-Use Site.pdf

Good morning,

We have received a new application from Coastal GasLink Pipeline for a multi-use site. I have attached the Program Summary for more information.

First Nations impacted:

Haisla Nation

Kitselas First Nation

Cheers,

Angela



Angela Nielsen
First Nations Liaison Assistant
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Ancillary Sites – Multi-use Sites

Site – MUS KM 36 (approximately KP 626.800)

Coastal GasLink Pipeline Ltd., a wholly owned subsidiary of TransCanada Pipelines Limited, will require temporary ancillary sites for its Coastal GasLink Pipeline Project for preparation and use of construction camps, laydown areas and contractor yards before and during pipeline construction activities. Multi-Use Site KM 36 is located approximately 32 km east of Kitimat, BC.

PURPOSE

Multi-use sites will be required to provide infrastructure to support pipeline construction activities. These sites will need to be accessed and prepared prior to construction start, or during construction, and will continue to be used until cleanup activities have been completed. Multi-Use Site KM 36 will specifically include the following:

- temporary construction camp, which will be used to accommodate personnel during these activities,
- stockpile area, which will be used to store pipe, and
- contractor yard, which will be used to store equipment and maintenance materials for fuel storage and designated refuelling areas, as well as provide field office space.

LOCATION AND ACCESS

Ancillary sites are located where an appropriate area of relatively level ground is available, located close to the pipeline right-of-way (ROW), with suitable ground access to the site and the ROW. Multi-use Site KM 36 is located approximately 32 km east of Kitimat, BC. Ground access will include existing highways and industry service roads, some of which will be upgraded before use.

SIZE

Multi-use Site KM 36 will be used for a temporary construction camp site, contractor yard, stockpile area, field offices and temporary warehouse structures for storing materials. Multi-use Site KM 36 will be approximately 6.33 hectares.

SCHEDULE AND DURATION

Subject to the receipt of regulatory approval, camp construction would commence in Q4 2021. Construction and use of the proposed camp will last about three to four years.

EQUIPMENT AND PERSONNEL

Equipment associated with contractor yards includes pipe trucks/trailers, cranes, bulldozers, excavators, front-end loaders, pickup trucks, fuel trucks, water trucks, side booms, tractor trailers, delivery vehicles and fuel storage. The temporary construction camp equipment will include dormitory trailers, dining facilities, recreation facilities, power generation facilities, office trailers and waste handling facilities.



Example of a laydown area



Example of contractor yard and construction camp



First Nations Consultation Review

The following land interests intersect with the location selected in the Application Planning Tool. Refer to the Commission’s website for information on rights holder engagement prior to completing an application for an oil and gas activity.

s16

Forest Vegetation

RESULTS Forest Cover Reserve Polygons

File	Opening ID	Reserve Type	Silviculture Area
No value	No value	No value	No value

Land Use Planning

Old Growth Management Areas - Legal

ID	Legalization Date	Type	Area
No value	No value	No value	No value

Non Legal Planning Features

Plan Name	Objective	Type	Name
Kalum Land and Resource Management Plan	Grizzly Bear Population Units		Bulkley-Lakes
Kalum Land and Resource Management Plan	Grizzly Bear Identified Watersheds	Y	McKay - Davies
Kalum Land and Resource Management Plan	Resource Management Zones		GEN
Kalum Land and Resource Management Plan	Enhanced Timber Opportunity Areas		
Kalum Land and Resource Management Plan	Enhanced Timber Opportunity Areas		

Legal Planning Objectives

Plan Name	Objective	Name	Value
First Nations Review			

Strategic Land and Resource Plans

Plan Name	Provincial ID	Plan Status
Kalum Sustainable Resource Management Plan	18	Legal
Kalum Land and Resource Management Plan	21	Approved

Mineral Tenure

Petroleum Title

Title

No value

s16

OGC Reference

FLNRO - Boreal Caribou RRA

Area Name

No Value

Regional Land and Natural Resource

Boreal Caribou Core Habitat Areas - Peace Region

Core Habitat Name

No value

First Nation Statement of Intent Boundaries BC

Statement of Intent Boundaries Name

Tsimshian First Nations

Haisla Nation

Tantalis

Crown Land Reserves and Notations

File	Subpurpose	Subtype
No value	No value	No value

Crown Land Leases - Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Crown Land Leases - Non Agriculture

File	Expiry	Stage	Status	Purpose	Subpurpose
No value	No value	No value	No value	No value	No value

Muskwa Kechika Management Area

Name

No value

BC Parks, Ecological Reserves, and Protected Areas

Surveyor

General

Plan #	Park Class	Type	Name
No value	No value	No value	No value

Terrestrial Ecology

Endangered Species and Ecosystems - Non Sensitive Occurrences

BC List	Type	Name	Survey Site
No value	No value	No value	No value

Wildlife Inventory

Caribou Herd Locations for BC

Herd Name	Estimated Caribou Population	Risk Status	Year of Last Survey
No value	No value	No value	No value

Wildlife Management

Trapline Boundaries

Trapline Area Identifier

Wildlife Habitat Areas - Approved

WHA Tag	Species	Legislation	Notes
No value	No value	No value	No value

Ungulate Winter Range - Approved

UWR Number	Unit Number	Notes	Species1	Species2	Legislation
No value	No value	No value	No value	No value	No value

Ungulate Winter Range - Proposed

UWR Number	Unit Number	Notes	Species1	Species2
No value	No value	No value	No value	No value

Wildlife Habitat Areas - Proposed

WHA Tag	Species	Notes
No value	No value	No value

Critical Habitat for Federally-Listed Species at Risk - Posted

Scientific Name	Common English Name	Critical Habitat Status	COSEWIC Population	Critical Habitat Site Name
Brachyramphus marmoratus	Marbled Murrelet	Final		

Layers Queried Successfully

Areas Established by the Commission	Parks, Ecological Reserves, and Protected Areas	First Nations Cultural Areas (Confidential)
First Nations Consultation Boundaries - Internal (Confidential)	Muskwa Kechika Management Area	First Nation Consultation Areas (Confidential)
Water Management Basins	Petroleum Titles	Critical Habitat for Federally-Listed Species at Risk - Posted
Crown Land Leases - Non Agriculture	Crown Land Leases - Agriculture	Crown Land Reserves and Notations
Wildlife Habitat Areas - Proposed	Ungulate Winter Range - Proposed	Ungulate Winter Range - Approved
Wildlife Habitat Areas - Approved	Trapline Boundaries	FLNRO - Boreal Caribou RRA - Outline
Strategic Land and Resource Plans	Caribou Herd Locations for BC	Endangered Species and Ecosystems - Non Sensitive Occurrences
Legal Planning Objectives	Non Legal Planning Features	Old Growth Management Areas - Legal
RESULTS Forest Cover Reserve Polygons	Indian Reserves	First Nations Consultative Areas - CAD
First Nation Statement of Intent Boundaries BC	Boreal Caribou Core Habitat Areas - Peace Region	

Layers Queried Unsuccessfully

s16

Keough, Dana

From: Anderson, Justin
Sent: Monday, October 19, 2020 1:06 PM
To: Thomas, Sarah; Bourke, Jacqueline
Subject: FW: Leave Request Condition 39 of Section 8
Attachments: CGL4703-CGP-REG-LEAVRQ-0092_Cond39.pdf; OGC leave form Sec 8 Cond 39.pdf; CGL4703-CGP-IR-RP-0120_Haisla_Nation.pdf



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From: Phillips, Lori L <Lori.Phillips@BCOGC.ca>
Sent: Monday, October 19, 2020 11:42 AM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: Leave Request Condition 39 of Section 8



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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Monday, October 19, 2020 11:09 AM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: Leave Request Condition 39 of Section 8

Please find attached a request for Leave of the Commission for Condition 39 of Section 8 Pipeline Permit (AD# 100084230) to allow clearing to progress with 1000 m of UWR U-6-001.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile s22

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Thank you

October 19, 2020

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0092

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Project)
Leave of the Commission Request
Section 8 Pipeline Permit (AD # 100084230) Condition 39**

Please find enclosed a request for Leave of Commission for the noted condition in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 39 – Clearing within 1000 metres of Ungulate Winter Range (UWR) U-6-001 and U-6-003.

Coastal GasLink requires leave of the Commission to clear a small area of the pipeline right of way within 1000 metres of U-6-001. This is necessary so that Coastal GasLink can safely and efficiently execute construction in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC on this request prior to November 1, 2020.

Should you have any questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely



Tracy Young
Senior Regulatory Analyst
Coastal GasLink

1.0 PERMIT CONDITION 39 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.

1.1 REASON FOR REQUEST

Further assessment of the right of way (ROW) has identified locations where minor changes are necessary for the purpose of addressing site-specific construction issues due to engineering, terrain, safety or environmental constraints. Some of these areas of the Revision G route of the Coastal GasLink pipeline ROW overlap or are within 1000 meters (m) of Ungulate Winter Range (UWR) U-6-001 between KP 647+966 and 648+516. Clearing activities need to be completed to progress ROW preparation in this area. Clearing and access development through UWR U-6-001 was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities. These activities need to continue during the restricted period outlined in Condition 39 to allow the Project to progress ROW preparation through the Kitimat River Valley.

Coastal GasLink is requesting leave of the Commission from Condition 39 to progress clearing activities between October 31 and June 15 in this area.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Routing through this area is constrained by multiple terrain features including river valleys and mountain passes. Clearing has progressed through majority of this area however, there remains a small area of overlap between the 1000-m buffer of U-6-001 and the ROW between KP 647+966 and KP 648+516 where clearing has not been completed.

Due to environmental constraints, weather restrictions, steep terrain and other unforeseen complexities, construction activities have not progressed in this area as quickly as planned and therefore it is expected that clearing of this area will need to occur during the restricted period noted in Condition 39.

2.2 ENVIRONMENTAL EFFECT

UWR U-6-001 was established to protect key habitat for mountain goat. The Environmental Assessment Office (EAO) Assessment Report outlines that the proposed Project would cause direct and indirect disturbance to the no harvest zone buffer (i.e. 1000 m buffer) around UWR U-6-001. Although the Project has the potential to cause habitat changes that facilitate access into the UWR and potentially increase disturbances that may displace mountain goats from preferred habitat, the EAO has concluded these effects would likely not be significant.

For the reasons described above in Section 2.1, the clearing and subsequent access development activities overlap the October 31 to June 15 timing restriction. Conducting clearing activities during these sensitive winter months could cause sensory disturbance to mountain goats potentially displacing individuals from preferred habitats. Coastal GasLink is committed to implementing the mitigation strategy detailed in the Environmental Management Plan.

Ability to progress clearing in these sections of ROW and associated shooflies is critical to keeping the project to its proposed schedule and not having to extend the duration of the construction phase and potential associated impacts to mountain goats.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed specific mitigation for clearing and construction activities within mountain goat UWRs as indicated in the Wildlife and Wildlife Habitat Management Plan (WWHMP) (Appendix D.13 of the EMP). Coastal GasLink will implement the following mitigation that was developed in consultation with provincial and federal authorities and Indigenous groups which was approved by the EAO in early 2016:

- Construction activities within the UWR will be completed as quickly as practical to reduce the duration of activities in the UWR.
- Coastal GasLink will use existing roads/linear corridors for access wherever practical to avoid creating permanent access within 1,000 m of mountain goat UWR U-6-003, and 500 m of UWR U-6-001. Coastal GasLink will deactivate and reclaim all temporary construction access within 1,000 m of mountain goat UWRs.
- Coastal GasLink will reduce construction traffic within the UWR to the extent practical by using multi-passenger vehicles to transport workers. Post and enforce low speed limits on the ROW and construction access.
- Coastal GasLink will use minimum disturbance construction techniques in areas where grading or blasting is not necessary in order to facilitate rapid regeneration

of natural vegetation following construction. Coastal GasLink will implement reclamation measures to reclaim habitat disturbed by the Project within mountain goat UWRs, such as natural regeneration, tree seedling planting, and shrub staking/planting.

- Coastal GasLink will implement access control measures along the Project ROW in accordance with the Access Control Management Plan (Appendix D.3 of the EMP). Coastal GasLink will also monitor access control measures during Post-Construction Monitoring Program and implement remedial measures, if warranted (i.e., adaptive management protocol).

In addition, Coastal GasLink has developed a project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

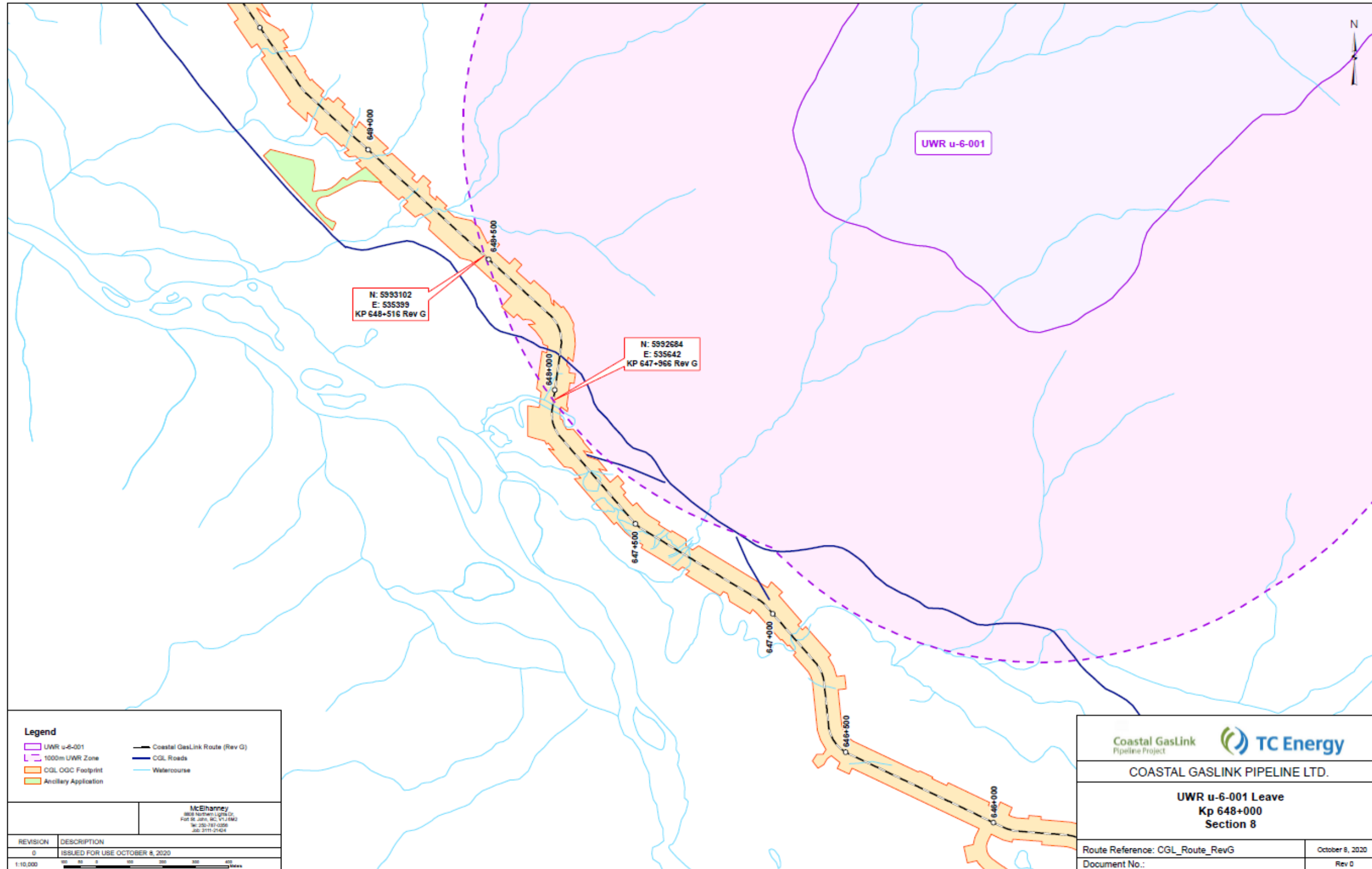
Coastal GasLink requires leave of the Commission to construct through this area that overlaps UWR U-6-001 during the restricted period. This is necessary so that Coastal GasLink can complete clearing activities in accordance with its schedule within the Kitimat River Valley in 2020.

Mitigation for mountain goat was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on mountain goat, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCES

Ministry of Forest, Lands and Natural Resource Operations. 2013. *Order – Mountain Goat Ungulate Winter Range U-6-003. Morice Timber Supply Area*. Accessed June 2018. http://www.env.gov.bc.ca/wld/documents/uwr/u-6-003_ord.pdf.

Appendix A: Map



s16

Pages: 877-881



LEAVE OF COMMISSION FORM Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: OGC, Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200	Date Received
--	---------------

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY		A
Commission File No. AD No.:		
ADMINISTRATION		B
Applicant Name: Coastal GasLink Pipeline Ltd.		
Address: 630 – 609 Granville Street		
City, Province, Postal Code: Vancouver, BC V7Y 1G5		
Contact: Tracy Young	Email: tracy_young@tcenergy.com	Phone: 778-328-5327
Referral Company:	Email:	Phone:
Agent Name:	Internal File No.:	
APPLICATION INFORMATION		C
Surface Location: Section 8		<input type="checkbox"/> N/A
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 <i>39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.</i>	
Rationale for Request	Request for leave from Condition 39 to progress clearing within 1000-m of UWR U-6-001 between KP 647+966 and KP 648+516. Clearing activities need to continue through the restricted time period to allow the installation of access and to progress ROW preparation in this area. Clearing and access development within 1000-m of UWR U-6-001 was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities.	
Desired Date of Request Completion	November 1, 2020 to provide project certainty to construction contractors	
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline		

FIRST NATIONS INFORMATION		D
Ensure the following are attached to the application for First Nations engagement purposes:		
First Nations	Attachments	
Haisla Nation	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)	
	<input checked="" type="checkbox"/> Leave of Commission Form	
	<input checked="" type="checkbox"/> Any documents provided to support Leave Request	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified on October 13, 2020 regarding its intent to file this request		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		
WORKS IN AND ABOUT A STREAM		<input type="checkbox"/> N/A

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major	Ice Bridge	Other (please,)	
		N											

ADDITIONAL INFORMATION REQUIREMENTS	F
--	----------


Attach any documentation that will support a Commission Review:

Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION	G
--------------------------------	----------

I Tracy Young hereby attest that the information contained herein is true and correct:
 (Print Name)

2020/10/19



AUTHORIZED SIGNATORY OF APPLICANT COMPANY	DATE (YYYY/MM/DD)
---	-------------------

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

Keough, Dana

From: Thomas, Sarah
Sent: Friday, October 9, 2020 12:51 PM
To: Stark, Ryan
Subject: UTM's for new leave requests and drafts - S7 C23 and S8 C24,39

Here are the Leave Requests – I'll send these Tuesday. s22

Section 7, Condition 23

- **Impacted – OW and DH**
- KP 575+205
 - UTM 09
 - N: 6008364.9
 - E: 590371.1
- KP 574+715
 - UTM 09
 - N: 6008583.9
 - E: 590800.2

Drafts:

<K:\Major Projects\Coastal GasLink\Leaves & Satisfaction\FN Consultation\2020-10-05 - CGL - Section 7, Condition 23>

Section 8, Condition 24 and 39

- **Impacted - OW**
- KP 592+000
 - UTM 9
 - N: 6001086.6
 - E: 578139.8
- KP 592+780
 - UTM 9
 - N: 6000686.1
 - E: 577631.1

DRAFTS:

<K:\Major Projects\Coastal GasLink\Leaves & Satisfaction\FN Consultation\2020-10-05 - CGL - Section 8, Condition 24, 39>



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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s17



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Keough, Dana

From: Anderson, Justin
Sent: Monday, October 5, 2020 2:47 PM
To: Thomas, Sarah; Bourke, Jacqueline
Subject: FW: Coastal GasLink Leave Request Section 8 Cond 24, 39
Attachments: CGL4703-CGP-REG-LEAVRQ-0088_Cond24_39.pdf; OGC leave form Sec 8 Cond 24 39.pdf; CGL4703-CGP-IR-RP-0117_Wetsuweten.pdf; CGL4703-CGP-IR-RP-0116_OW.pdf; CGL4703-CGP-IR-RP-0118_SkinTyee.pdf



Justin Anderson
Authorizations Manager
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From: Phillips, Lori L <Lori.Phillips@BCOGC.ca>
Sent: Monday, October 5, 2020 1:44 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Friedrich, Hardy <Hardy.Friedrich@bcogc.ca>
Subject: FW: Coastal GasLink Leave Request Section 8 Cond 24, 39



Lori Phillips
Authorizations Manager
Lori.Phillips@BCOGC.ca

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From: Tracy Young <tracy_young@tcenergy.com>

Sent: Monday, October 5, 2020 1:38 PM

To: Post Permit Requests <postpermitrequests@bcogc.ca>

Cc: Phillips, Lori L <Lori.Phillips@BCOGC.ca>; Thoroughgood, Garth <Garth.Thoroughgood@BCOGC.ca>; Dan Wyman <dan_wyman@tcenergy.com>; Shelley McInnis <shelley_mcinnis@tcenergy.com>

Subject: Coastal GasLink Leave Request Section 8 Cond 24, 39

Please find attached a leave request from Conditions 24 and 39 of the Section 8 Pipeline Permit (AD# 100084230).

Should you have any questions or require additional information, please let me know.

Thank you,

Tracy Young

Senior Regulatory Analyst

Coastal GasLink Pipeline Project

tel: 778-328-5327 mobile s22

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Thank you



October 5, 2020

Ms. Lori Phillips
Authorizations Manager
BC Oil and Gas Commission
6534 Airport Road
Fort St. John, B.C. V1J 4M6

Coastal GasLink
630 – 609 Granville Street
Vancouver, BC, Canada V7Y 1G5

Tel: 778.328.5327
Fax: 778.328.5336
Email: tracy_young@tcenergy.com
Web: www.TCenergy.com

CGL4703-CGP-REG-LEAVRQ-0088

Dear Ms. Phillips,

**Re: Coastal GasLink Pipeline Project (Project)
Leave of the Commission Request
Section 8 Pipeline Permit (AD # 100084230) Condition 24 and 39**

Please find enclosed a request for Leave of Commission for the noted conditions in BC Oil and Gas Commission (OGC) Section 8 permit, Condition 24 for additional temporary workspace and Condition 39 for clearing in Ungulate Winter Range (UWR) U-6-003.

Coastal GasLink requires leave of the Commission to clear additional temporary workspace alongside the pipeline right-of-way and to allow clearing to proceed during the restricted period within and in proximity to UWR U-6-003. This is necessary so that Coastal GasLink can safely and efficiently execute construction in accordance with its schedule.

In order to provide certainty to our construction contractors, Coastal GasLink is seeking a determination from the OGC on this request prior to October 31, 2020.

Should you have any questions do not hesitate to contact me at 778.328.5327 or tracy_young@tcenergy.com.

Sincerely

Tracy Young
Senior Regulatory Analyst
Coastal GasLink

CGL4703-CGP-REG-LEAVRQ-0088

Coastal GasLink

1.0 PERMIT CONDITION 39 – LEAVE REQUEST

Coastal GasLink Pipeline Ltd. (Coastal GasLink) requests leave of the Commission for the following condition in the British Columbia (BC) Oil and Gas Commission (OGC) permit for Section 8 (AD# 100084230):

24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless:

- a) a previously disturbed area is less than 2 hectares;*
- b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or*
- c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation.*

39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.

1.1 REASON FOR REQUEST

Further assessment of the right of way (ROW) has identified locations where minor changes are necessary for the purpose of addressing site-specific construction issues due to engineering, terrain, safety or environmental constraints. The locations and reasoning for the change, including reference to the attached map (CGW4703-MCSL-G-MP-2722), are indicated in Table 1. As the location of these incremental additional temporary workspace (ATWS) areas are outside of the OGC permitted footprint, Coastal GasLink requires leave of the Commission from Condition 24.

Coastal GasLink requires incremental ATWS of 1.17 ha outside of the current footprint, within the construction corridor. Coastal GasLink notes that across all of the section 8 permit area, Coastal GasLink has reduced the total area of disturbance on crown land by approximately 333 ha overall and therefore adding this small portion of new footprint will not exceed the permitted limit of new cut on crown land requested as part of this leave.

UWR

In addition, there are areas of the Revision G route of the Coastal GasLink pipeline ROW that overlap or are within 1000 meters (m) of Ungulate Winter Range (UWR) U-6-003 between KP 592+000 and 593+100 inclusive of the ATWS listed in Table 1 - s. Clearing activities need to be completed to allow the installation of access and to progress ROW preparation in this area. Clearing and access development through

UWR U-6-003 was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities. These activities need to continue during the restricted period outlined in Condition 39 to allow the Project to install access and progress ROW preparation through the Clore River Valley.

Coastal GasLink is requesting leave of the Commission from Condition 39 to progress clearing activities between October 31 and June 15 in this area.

2.0 JUSTIFICATION

2.1 CONSTRUCTION CONSIDERATION

Detailed justification for ATWS is identified in Table 1 and locations are shown in the attached Mapsheet (CGW4703-MCSL-G-MP-2722) as referenced.

Table 1: Additional RW-300.0 Footprint

Area No.	KP	Area (ha)	Reason for Change
ATWS Burnie Gorge-1; ATWS Burnie Gorge-2; ATWS Burnie Gorge-3; ATWS Burnie Gorge-4; ATWS Burnie Gorge-5; ATWS Burnie Gorge-6	592+000_R0; 592+050_R0; 592+500_R0; 592+700_R0; 592+725_R0; 592_780_R0	0.07; 0.21; 0.84; 0.03; 0.01; 0.01	There is steep terrain in this area and additional footprint is required to be able to complete the work safely and efficiently.

UWR

Routing through approximately KP 583+200 to KP 594+000 is constrained by multiple terrain features including river valleys and mountain passes. These terrain features require multiple work sites to be active simultaneously to balance the overlapping constraints and considerations through this area. Clearing has progressed through majority of this area however, there remains discrete portions of the ROW and associated shooflies within the UWR and 1000 m buffer where clearing has not been completed.

Due to environmental constraints, weather restrictions, steep terrain and other unforeseen complexities, construction activities have not progressed in this area as quickly as planned. Clearing and access development need to be completed to progress construction west towards Icy Pass through the Clore River Valley.

2.2 ENVIRONMENTAL EFFECT

The OGC Pipeline and Facility Application (the Application) outlines the pipeline construction corridor approach to allow for flexibility during construction, which included contemplation for additional temporary workspace locations. The pipeline construction footprint and additional temporary workspace adjacent to the pipeline construction footprint will remain within the limits of the pipeline construction corridor.

The ATWS for Section 8 identified in Table 1 is located within the pipeline construction corridor and was reviewed as part of the pre-construction assessments for the Coastal GasLink Pipeline Project (Project). Following review of the baseline information, there are no material changes to the potential adverse effect assessment for environment, economic, health and socio-economic conditions for this site.

UWR

UWR U-6-003 was established to protect key habitat for mountain goat. It is conservatively assumed that clearing of Rev G route of the Coastal GasLink pipeline ROW and associated footprint will impact approximately 17.1 ha within mountain goat UWR U-6-003 (approximately 0.01% of the total area of 120,613 ha [Ministry of Forest, Lands and Natural Resource Operations, 2013]) and approximately 86.8 ha within the associated 1000 m buffers from KP 583 to KP 594. Although the Project has the potential to cause habitat changes that facilitate access into the UWR and potentially increase disturbances that may displace mountain goats from preferred habitat, the EAO has concluded these effects would likely not be significant.

For the reasons described above in Section 2.1, the clearing and subsequent access development activities overlap the October 31 to June 15 timing restriction. Conducting clearing activities during these sensitive winter months could cause sensory disturbance to mountain goats potentially displacing individuals from preferred habitats. Coastal GasLink is committed to implementing the mitigation strategy detailed in the Environmental Management Plan. Ability to progress clearing in these sections of ROW and associated shooflies is critical to keeping the project to its proposed schedule and not having to extend the duration of the construction phase and potential associated impacts to mountain goats.

3.0 MITIGATION AND COMMITMENTS

Coastal GasLink has developed Project-specific environmental protection measures as outlined in the Environmental Management Plan (EMP) and other applicable management plans to avoid and reduce potential environmental adverse effects during construction of the Project. Mitigation measures identified in the EMP applicable to clearing and site preparation include, but not limited to:

Clearing (Section 8.2 of the EMP)

- Conduct clearing near watercourses or wetlands as described in Section 7.1 and Section 8.4 of the EMP.
- During clearing, fell trees towards the ROW, wherever practical. Recover trees that inadvertently fall into adjacent undisturbed vegetation.
- Avoid disturbance to environmentally sensitive features during clearing as identified by the appropriate signage or fencing. The Environmental Inspector(s) and appropriate Resource Specialist will determine the size of avoidance buffer surrounding these features, if appropriate.
- Where practical, leave stumps in place, particularly on streambanks, to provide surface stability. Dispose of stumps removed from the required work areas by burning or chipping, or stockpile for use in access or line-of-sight control.
- Reduce grading throughout the ROW, especially at watercourses, wetlands, and rare plant sites and on moderately steep slopes, if practical. Reduce the

width of grading in order to limit the potential for erosion and subsoil compaction, where practical.

- Where practical, avoid grading in riparian areas until installation of the vehicle crossing.

Surface Material Removal, Salvage, and Grading (Section 8.3 of the EMP)

- Develop and follow site-specific topsoil depth salvage requirements for each soil map unit.
- Use machinery appropriate to the season and conditions for all soil salvage operations.
- Plan construction operations to reduce the number of times and distances that salvaged soils are moved.
- Do not conduct surface material salvage except where grading is required (Appendix B, Dwg. STDS-03-ML-05-443, STDS-03-ML-05-410, STDS-03ML-05-445, and STDS-03-ML-05-446). The area stripped is to correspond to the area to be graded.
- Salvage the organic layer (i.e., leaf litter layer) where surface material salvage is required.
- Stabilize exposed surface material and subsoil where the potential for erosion exists. Refer to the Soil Erosion Contingency Plan (Appendix C.7) for additional information.
- Ensure surface material storage areas are in approved ROW and temporary workspace.

If wet or thawed soil conditions occur, implement the Wet Soils Contingency Plan (Appendix C.4). No new mitigation measures other than those outlined in the Project EMP are required as a result of the new ATWS. Coastal GasLink will implement mitigation measures developed in consultation with the appropriate provincial and federal authorities and Indigenous groups, as approved by the EAO in 2016.

UWR

Coastal GasLink has also developed specific mitigation for clearing and construction activities within mountain goat UWRs as indicated in the Wildlife and Wildlife Habitat Management Plan (WVHMP) (Appendix D.13 of the EMP). Coastal GasLink will implement the following mitigation that was developed in consultation with provincial and federal authorities and Indigenous groups which was approved by the EAO in early 2016:

- Construction activities within the UWR will be completed as quickly as practical to reduce the duration of activities in the UWR.

- Coastal GasLink will use existing roads/linear corridors for access wherever practical to avoid creating permanent access within 1,000 m of mountain goat UWR U-6-003, and 500 m of UWR U-6-001. Coastal GasLink will deactivate and reclaim all temporary construction access within 1,000 m of mountain goat UWRs.
- Coastal GasLink will reduce construction traffic within the UWR to the extent practical by using multi-passenger vehicles to transport workers. Post and enforce low speed limits on the ROW and construction access.
- Coastal GasLink will use minimum disturbance construction techniques in areas where grading or blasting is not necessary in order to facilitate rapid regeneration of natural vegetation following construction. Coastal GasLink will implement reclamation measures to reclaim habitat disturbed by the Project within mountain goat UWRs, such as natural regeneration, tree seedling planting, and shrub staking/planting.
- Coastal GasLink will implement access control measures along the Project ROW in accordance with the Access Control Management Plan (Appendix D.3 of the EMP). Coastal GasLink will also monitor access control measures during Post-Construction Monitoring Program and implement remedial measures, if warranted (i.e., adaptive management protocol).

In addition, Coastal GasLink has developed a project-specific Post-Construction Monitoring Program which describes monitoring to review the effectiveness of mitigation and the approach to adaptive management.

4.0 CONCLUSION

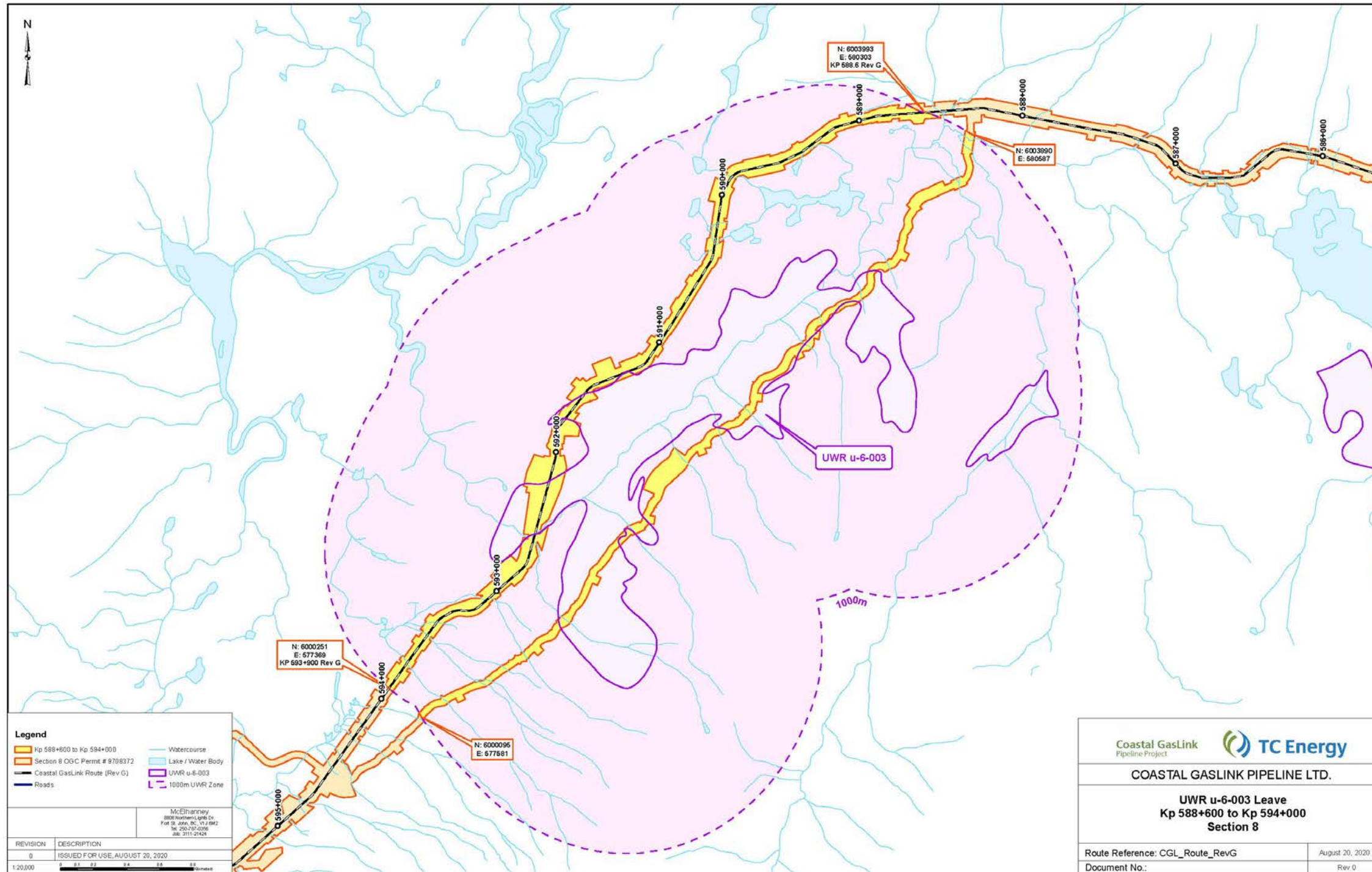
Coastal GasLink requires leave of the Commission for the incremental ATWS identified in this request to provide for safe and efficient construction in areas of challenging terrain and to accommodate minor changes in the location of footprint for pipeline location adjustment and so that it can construct through this area that overlaps UWR U-6-003 during the restricted period. This is necessary so that Coastal GasLink can complete clearing activities in accordance with its schedule within the Clore River Valley in 2020.

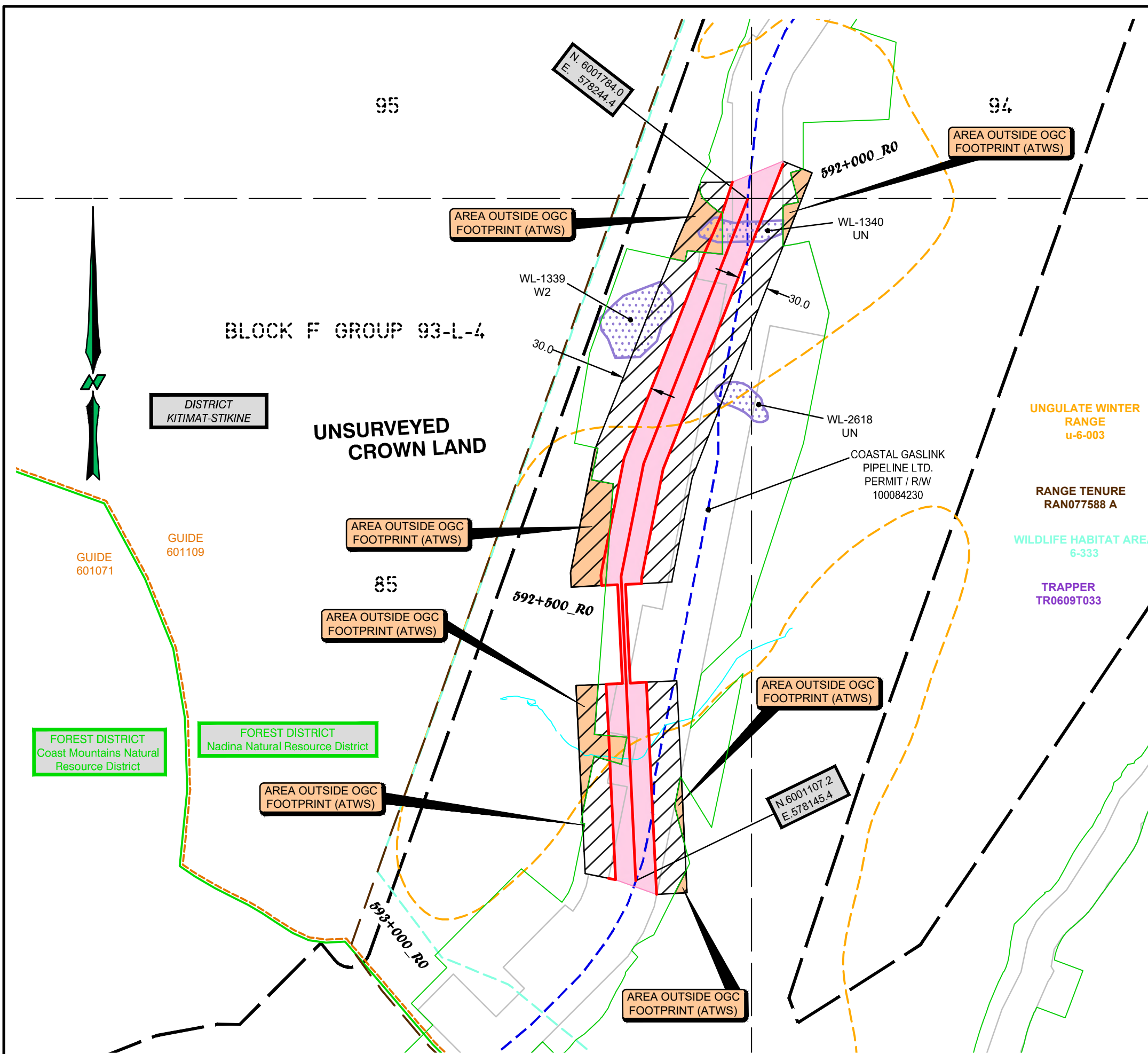
Mitigation for mountain goat was developed in consultation with provincial and federal regulatory authorities, as well as through engagement with Indigenous groups. Coastal GasLink will implement mitigation to avoid or reduce potential residual adverse effects and cumulative adverse effects on mountain goat, and further confirms that with implementing this mitigation granting the requested leave of the Commission will not change the conclusions of the environmental assessment conducted for the Project.

5.0 REFERENCES

Ministry of Forest, Lands and Natural Resource Operations. 2013. *Order – Mountain Goat Ungulate Winter Range U-6-003. Morice Timber Supply Area*. Accessed June 2018. http://www.env.gov.bc.ca/wld/documents/uwr/u-6-003_ord.pdf.

Appendix A: Map





LEGEND :

	Section 8 Centreline Rev 1		Construction Footprint
	Proposed Re-Route		OGC P/L R/W Permit (2014)
	Watercourse		Wetlands
	Pipeline Construction Corridor		Footprint Outside OGC Permit (ATWS)
	Ungulate Winter Range		Re-Route Footprint
	Guide Outfitter		30m Buffer
	Forest District		Wildlife Habitat Area
	Range Tenure		

NOTES :
 -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 - Northern Lights Drive
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310

BCGS 093L. 011

REVISION	DESCRIPTION
0	Issued for Information, September 10, 2020



DRAFT

Coastal GasLink Pipeline Project

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN SHOWING

PROPOSED BURNIE GORGE RE-ROUTE
 KP 592+000_R0
 WITHIN UNIT 85, BLOCK F GROUP 93-L-4
 CONSTRUCTION SECTION 8

Route Reference: Section 8 Centreline Rev 1	September 10, 2020
Document No. CGW4703-MCSL-G-MP-	Rev 0



LEAVE OF COMMISSION FORM Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: OGC, Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200	Date Received
--	---------------

THIS IS AN AUDITABLE DOCUMENT

COMMISSION USE ONLY	A
----------------------------	----------

Commission File No. AD No.:	
ADMINISTRATION	
Applicant Name: Coastal GasLink Pipeline Ltd.	
Address: 630 – 609 Granville Street	
City, Province, Postal Code: Vancouver, BC V7Y 1G5	
Contact: Tracy Young	Email: tracy_young@tcenergy.com Phone: 778-328-5327
Referral Company:	Email: Phone:
Agent Name:	Internal File No.:

APPLICATION INFORMATION	C
--------------------------------	----------

Surface Location: Section 8 <input type="checkbox"/> N/A	
Permit Condition Request relates to (copy full text)	Permit application Determination number: 100084230 24. Clearing and site preparation, other than those identified in the construction plans referenced in Permissions, must be located on any previously disturbed areas located within the construction corridor unless: a) a previously disturbed area is less than 2 hectares; b) such clearing and site preparation is required to avoid one or more of the areas or features identified in Conditions 17, 18, 19, or 20; or c) the permit holder is granted leave by the Commission to carry out such clearing and site preparation. 39. Except with leave of the Commission, the permit holder must not undertake clearing or significant maintenance activities within 1000 metres of UWR U-6-001 and U-6-003 between October 31 and June 15.
Rationale for Request	Request for leave from Conditions 24 and 39 for additional temporary workspace and to progress clearing within UWR U-6-003 between KP 592+000 and KP 593+100. Coastal GasLink requires incremental ATWS of 1.17 ha outside of the current footprint (within the construction corridor) to complete the works safely and efficiently. Clearing activities need to continue through the restricted time period to allow the installation of access and to progress ROW preparation in this area. Clearing and access development through UWR U-6-003 was not completed during summer of 2020 as originally planned due to environmental constraints, weather delays and unforeseen complexities.
Desired Date of Request Completion	October 31, 2020 to provide project certainty to construction contractors
Primary Activity: <input type="checkbox"/> Well <input type="checkbox"/> Facility <input type="checkbox"/> Geophysical <input checked="" type="checkbox"/> Pipeline <input type="checkbox"/> Road <input type="checkbox"/> NEB Pipeline	

FIRST NATIONS INFORMATION	D
----------------------------------	----------

Ensure the following are attached to the application for First Nations engagement purposes:	
First Nations	Attachments
Office of the Hereditary Chiefs of the Wet'suwet'en Comments in attachment	<input type="checkbox"/> Cover letter (2 copies for each notification area affected)
Skin Tyee Nation – Comments in attachment	<input checked="" type="checkbox"/> Leave of Commission Form
Wet'suwet'en First Nation – Comments in attachment	<input checked="" type="checkbox"/> Any documents provided to support Leave Request
Carrier Sekani Tribal Council	
Permit Holder Engagement: Coastal GasLink has provided notification to First Nations identified on October 5, 2020 regarding its intent to file this request	
WORKS IN AND ABOUT A STREAM	<input type="checkbox"/> N/A
Information Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No	

WORKS IN AND ABOUT A STREAM

N/A **E**

Crossing Number	UTM Zone	UTM Location	Stream / Waterbody Name	Riparian Classification	Bank Full Stream Width	Stream Gradient (%)	FHA	Temporary or Permanent Crossing (T/P)	Stream Crossing Methods				Does the crossing type meet the peak flow requirements (Y/N) If no, provide justification.
									Bridge	Major Culvert	Ice Bridge	Other (please,)	
		N											

ADDITIONAL INFORMATION REQUIREMENTS

F

Attach any documentation that will support a Commission Review:
Please see the attached documents for details regarding this request

APPLICANT AUTHORIZATION

G

I Tracy Young hereby attest that the information contained herein is true and correct:
(Print Name)



2020/10/05

AUTHORIZED SIGNATORY OF APPLICANT COMPANY

DATE (YYYY/MM/DD)

COMMISSION CONSIDERATION

Leave Accepted: Yes No

Commission Comments:

AUTHORIZED COMMISSION SIGNATORY DATE (YYYY/MM/DD)

DISTRIBUTION:

ADDITIONAL ATTACHMENTS:

s16
Pages: 899-915

Keough, Dana

From: Stark, Ryan
Sent: Monday, October 5, 2020 10:51 AM
To: Thomas, Sarah
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

Looks good. If they bring up the proposed UWRs then we can address our processes then.



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
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T. 250 794-5287
F. 250-794-5390

s17



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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Monday, October 5, 2020 10:02 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

We forgot to chat LOL. I have eliminated the proposed areas as they are proposed versus posted.

Here is how I would respond –

s13

s13

Kind Regards,

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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T. 250 638-6404
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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Thursday, October 1, 2020 3:24 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

s22

Sarah, can we chat about this tomorrow?



Ryan Stark
Manager, Decision Support
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From: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Sent: Thursday, October 1, 2020 3:22 PM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

The proposed areas we treat as high priority wildlife generally so we do include conditions in the permit. But the proposed area would have needed to be there at the time the permit was issued.



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Thursday, October 1, 2020 11:14 AM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

Here is what I found. Are proposed areas acknowledged by the OGC or are they not accounted for as they are proposed?

KP 592+500-1 and KP 592+500-2

Wildlife Habitat Areas - Proposed

- 6-336 Grizzly Bear High
- 6-333 Caribou Study Area

KP 602+170, ATWS-RFI-0312 KP 602+750_R1

Critical Habitat for Federally-Listed Species at Risk – Proposed

- Whitebark Pine
- KP 602+750 is adjacent to wetland WL-1453

ATWS-RFI-0335 615+500_R0, ATWS-RFI-0331 625+800_R0, ATWS-KP 637+000, ATWS-KP 637+500, ATWS-RRF-0048 640+500_R0

- No value
- KP 637+500 – adjacent to wetland WL - 2320

KP 639+650_R0

Critical Habitat for Federally-Listed Species at Risk - Posted

- Marbled Murrelet

ATWS-KP 650+900-1

WHA

- 6-287 Grizzly Bear
- Ungulate Winter Range
- u-6-009

ATWS-KP 650+900-2

WHA

- 6-287 Grizzly Bear



Sarah Thomas
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Sarah.Thomas@BCOGC.ca

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From: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Sent: Tuesday, September 29, 2020 8:45 AM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

The construction plans would be best for sure.



Justin Anderson
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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Monday, September 28, 2020 2:29 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

OK. So use the revised construction plans that are one the FTP because spatial imagery is outside of my knowledge



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Sent: Monday, September 28, 2020 2:06 PM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

The SOE report will not show wetlands. Basically need to review the construction plans or spatial imagery and try and get it from that.



Justin Anderson
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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Monday, September 28, 2020 1:51 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

Just want to confirm what type of SOE Report I need to run to identify wetlands

I just ran all the coordinates with FN SOE Reports and realized that did not give me that type of information. Just WHA

Thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Thomas, Sarah
Sent: Wednesday, September 23, 2020 4:12 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

OHHHH I just found them. s22

Page 8 of the package has them! I'll knock them out tomorrow and ask Justin all the questions ☺



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Wednesday, September 23, 2020 4:09 PM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

Hi Folks,

I agree with Sarah. If we are to determine WHA/UWR/critical habitat overlap using Whistler, it would save a TON of time if CGL provided the UTM's.

Sarah, how many locations are we talking about?

Thanks,

Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Wednesday, September 23, 2020 3:10 PM
To: Anderson, Justin <Justin.Anderson@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

Can you ask CGL for the specific coordinates for each ATWS? They only give KPs and no actual coordinates.

I usually use the construction plan and find coordinates near the KPs CGL notes.

Please and thank you

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Sent: Wednesday, September 23, 2020 3:06 PM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

You would need to go and review in whistler to confirm if there are any overlaps.



Justin Anderson
Authorizations Manager
Justin.Anderson@BCOGC.ca

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F. 250-794-5390



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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Wednesday, September 23, 2020 2:19 PM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>
Cc: Anderson, Justin <Justin.Anderson@BCOGC.ca>
Subject: FW: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

Hi all,

We received a response from Kitselas on this Leave Request:

s16

Where do I find this? Go thru the construction plan? Plot each ATWS coordinate in Whistler and run a SOE?

Thanks

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

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From: Jane Hauser <pao@kitselas.com>
Sent: Monday, September 21, 2020 11:22 AM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Cc: Cedarbox <cedarbox@kitselas.com>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: RE: 2020-09-18 - CGL Leave Request - Section 8 Condition 24 #KITSEL-DEV-PRJ-1348

Hi Sarah,

I've attached a response letter to this leave request with one topic of discussion/clarification.

Thanks!
Jane



Jane Hauser
Project Assessment Officer
Kitselas Land & Resources Department

T: 250-615-4066
s22

2225 Gitau Road
Terrace, B.C. V8G 0A9
PAO@kitselas.com

From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: September 18, 2020 1:55 PM
To: Jane Hauser <pao@kitselas.com>
Cc: Cedarbox <cedarbox@kitselas.com>; Chris Apps <LR.Director@kitselas.com>; Stark, Ryan <Ryan.Stark@bcogc.ca>
Subject: 2020-09-18 - CGL Leave Request - Section 8 Condition 24

Good afternoon Jane,

Please see the attached notification letter regarding one (1) Leave Request recently received by the BC Oil & Gas Commission (the Commission) from Coastal GasLink Pipeline Ltd. (CGL).

If you have any questions, comments or concerns, please contact me at Sarah.Thomas@bcogc.ca or by phone at (250) 638-6404. Thank you.

Kind Regards,

Sarah



Sarah Thomas
First Nations Liaison Officer
Sarah.Thomas@BCOGC.ca

Terrace BC
[Office Address Directory](#)
bcogc.ca

T. 250 638-6404
s17

Keough, Dana

From: Scarr, Matthew
Sent: Monday, September 21, 2020 4:20 PM
To: Stark, Ryan
Cc: Karjala, Melanie; Howes, Ken; Hewitt, Kate
Subject: RE: CGL Leave Requests - Section 8, condition 24 and 38

Hi Ryan,

s16

Thanks,

Matt



Matthew Scarr
Manager, First Nations Relations
Matthew.Scarr@BCOGC.ca

Prince George BC
[Office Address Directory](#)
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T. 250 645-2900
F. 250-419-4403
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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, September 21, 2020 11:48 AM
To: Scarr, Matthew <Matthew.Scarr@BCOGC.ca>; Hewitt, Kate <Kate.Hewitt@BCOGC.ca>
Cc: Karjala, Melanie <Melanie.Karjala@BCOGC.ca>; Howes, Ken <Ken.Howes@BCOGC.ca>
Subject: RE: CGL Leave Requests - Section 8, condition 24 and 38
Importance: High

Greetings,

s16

Thank you,
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

Fort St John BC
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From: Howes, Ken <Ken.Howes@BCOGC.ca>
Sent: Monday, September 21, 2020 10:41 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>
Subject: RE: CGL Leave Requests - Section 8, condition 24 and 38

s16



Ken Howes
Director, Major Projects & Decision Support
Ken.Howes@BCOGC.ca

Victoria BC
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From: Stark, Ryan <Ryan.Stark@bcogc.ca>
Sent: Monday, September 21, 2020 10:02 AM
To: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Cc: Nielsen, Angela C <Angela.Nielsen@bcogc.ca>; Howes, Ken <Ken.Howes@BCOGC.ca>
Subject: RE: CGL Leave Requests - Section 8, condition 24 and 38

Hi Sarah,

Again, great work on these Leave Requests!

I've reviewed the letters and everything looks good. Regarding DH and OW, I've confirmed:

- Cond 24 – share info package with OW only (not DH)
- Cond 38 – share info package with DH only (not OW)

I will share these this morning.

s16

s22

Thanks,
Ryan



Ryan Stark
Manager, Decision Support
Ryan.Stark@bcogc.ca

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From: Thomas, Sarah <Sarah.Thomas@BCOGC.ca>
Sent: Friday, September 18, 2020 9:35 AM
To: Stark, Ryan <Ryan.Stark@bcogc.ca>; Swan, Ian <Ian.Swan@BCOGC.ca>
Subject: CGL Leave Request - Section 8, Condition 24

Good morning Gentlemen –

I have completed the latest Leave Request. Could someone take a look at the letter?

Ryan – OW and DH are included in this Leave Request.

Coordinates are as follows:

UTM 9

KP 592 – N: 6000763.3 E:577826.2
KP 650 – N: 5993433.6 E: 533009.5

Thank you

Sarah



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