



May 26, 2016

FortisBC Energy Inc.  
160705 Fraser Highway  
Surrey, BC  
V4N 0E8

Attention:

**RE: Short Term Water use Authorization and Permits over Crown Land**

**Date of Issuance: May 26, 2016**

**Commission No.: 9643722**

**Authorization:**

1. The BC Oil and Gas Commission ("The Commission") hereby authorizes FortisBC Energy Inc ("the permit holder") under section 10 of the *Water Sustainability Act* to divert, transport and use water from May 26, 2016 to May 25, 2017 for the purposed "oil and gas purpose".


The authorized water sources and points of diversion (POD) are listed in the attached table titled Application for Short Term Use of Water – Supplemental Table.

**Conditions**

2. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
3. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas and related activities of the permit holder.
4. The permit holder must not undertake any of the following on Crown land to carry out activities authorized herein:
  - (1) Blading or excavation of the ground surface; or
  - (2) Harvest of Crown timber.
5. 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. Water withdrawn under this authorization must not exceed daily amounts specified in attached table titled Application for Short Term Use of Water – Supplemental Table, at a rate not to exceed 14L/s (0.5 cfs).

6. Water withdrawn under this authorization must not exceed a total volume specified in attached table titled Application for Short Term Use of Water – Supplemental Table.
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. on POD 2, Mill creek, if 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. On any lake, water withdrawal must cease if drawdown exceeds 0.10 metres (relative to the water level documented at the commencement of withdrawal activities). In the event that drawdown exceeds 0.10m, withdrawals may only resume only when water levels have risen above the 0.10 metres drawdown level.
9. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada "Freshwater Intake End-of-Pipe Fish Screen Guideline".
10. The holder of this authorization must maintain accurate records of all water withdrawal activities throughout the term of this permit. A digital spreadsheet has been sent to the applicant's email provided on the application. Water withdrawal records for each diversion point must be recorded monthly on the digital spreadsheet provided. The spreadsheet must be submitted to the Oil and Gas Commission on a quarterly basis to [OGCWater.VolumeData@gov.bc.ca](mailto:OGCWater.VolumeData@gov.bc.ca). Quarterly reports are due on or before April 25<sup>th</sup>, July 25<sup>th</sup>, October 25<sup>th</sup>, and January 25<sup>th</sup>. Do not modify the digital spreadsheet as it is designed to be interpreted by Commission software. If a cell/field in the spreadsheet is not relevant to the authorized activity, leave it blank.
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. Withdrawals from POD 1, Henriette Lake, are only permitted between May 26 and December 31, 2016
13. The permit holder must notify Tsleil-Waututh Nation a minimum of 5 days prior to commencing any construction activities under this permit.
14. The permit holder must notify the Squamish Nation a minimum of 5 days prior to commencing any construction activities under this permit.
15. A temporary berm constructed of sand bags is permitted to be installed at the point of diversion to facilitate water diversion
  - a. The temporary berm must not impair fish passage or fish habitat
  - b. The temporary berm must not destabilize the stream channel or stream banks.
  - c. Sediment associated with the temporary berm must not be released into the stream.
  - d. The temporary berm must be removed within 7 days following the completion of water diversion, and the stream channel at the location of the temporary berm and water withdrawal restored to pre-berm conditions.

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



Andrew Osmond  
Natural Resource Officer

pc: CH2M Hill Energy Canada Ltd.  
pc: Commission Number: 9643722  
pc: FN Communities: Squamish Nation, Tsleil-Waututh Nation



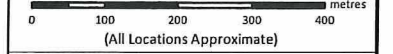
PROPOSED WATER WITHDRAWAL LOCATIONS

WATER ACT, SECTION 8

EAGLE MOUNTAIN - WOODFIBRE GAS PIPELINE PROJECT

- Proposed Water Withdrawal Location
- Proposed Borehole Location
- Kilometre Post
- Proposed NPS 24 FortisBC Pipeline Route
- Proposed NPS 24 FortisBC Pipeline Tunnel Route
- Existing NPS 10 FortisBC Pipeline
- Proposed Geotechnical Area
- Resource Road
- BC Hydro Transmission Line
- Watercourse
- Waterbody
- Skwelwil'em Squamish Estuary Wildlife Management Area
- Municipality

SCALE: 1:10,000



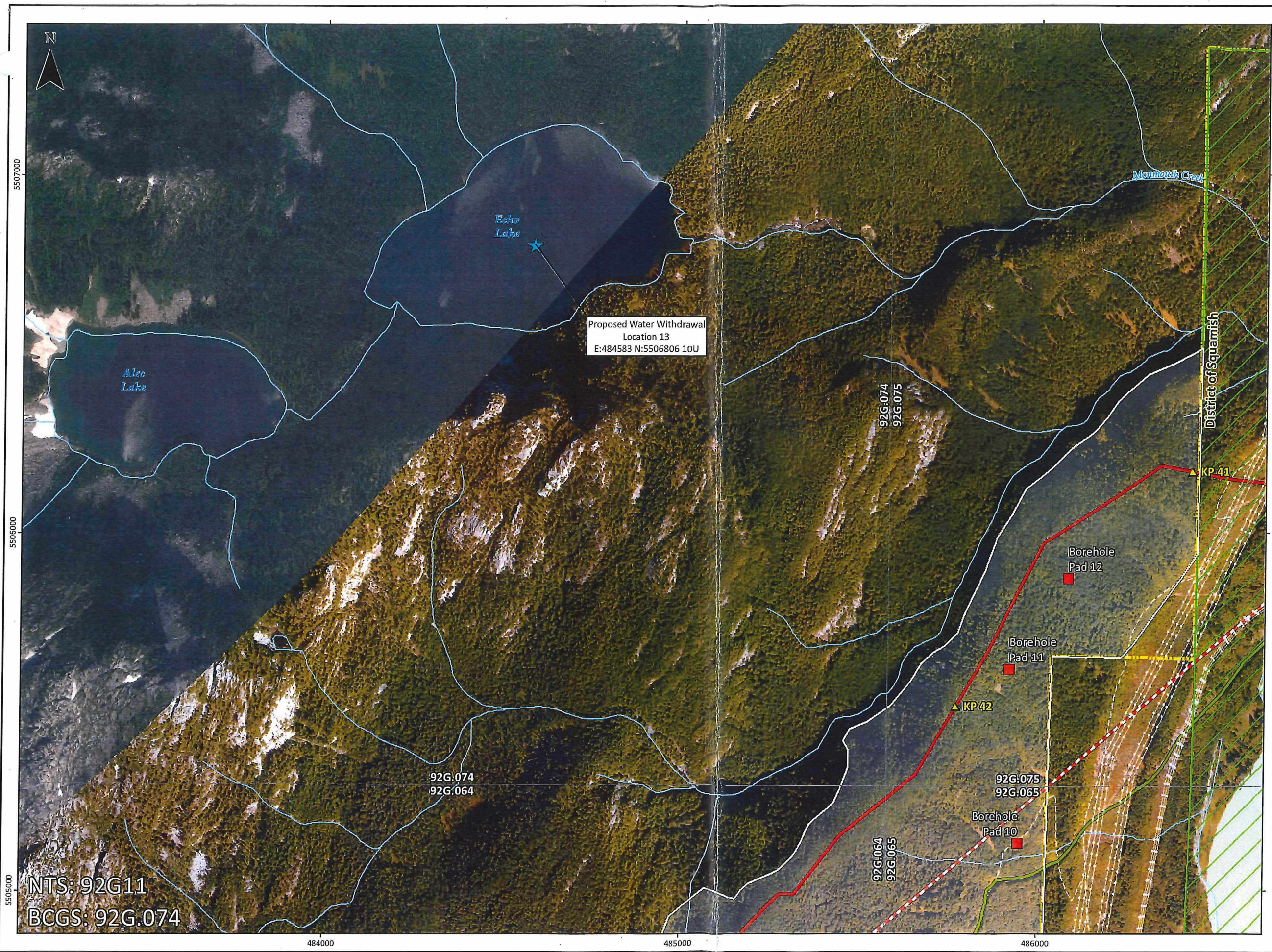
CH2M Project Number 665837

NAD 1983, UTM Zone 10 North.

Proposed Pipeline 1017; Kilometre Posts 1017; Universal Pegasus International (UPI) 08-21-2014; Proposed Tunnel Route: Paladin Crossings Inc 03-09-2015; Existing Pipeline: FortisBC 2012; Proposed Geotechnical Areas and Boreholes: CH2M 2015-09-17; Water Withdrawal Locations: CH2M 2015-10-16; BC Hydro Transmission Line: BC Hydro 09-29-2014; Roads: BC MFLNRO 2012; Hydrography: NRCan 2007-2011; BC MFLNRO 2004; Municipal Boundaries: BC MFLNRO 2007; Wildlife Management Area: BC MFLNRO 2005; LIDAR Imagery: Atlantic Group 2013; Base Imagery Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.

Mapped By: DN      Checked By: JC



Proposed Water Withdrawal Location 13  
E:484583 N:5506806 10U

NTS: 92G11  
BCGS: 92G.074














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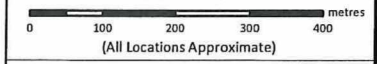
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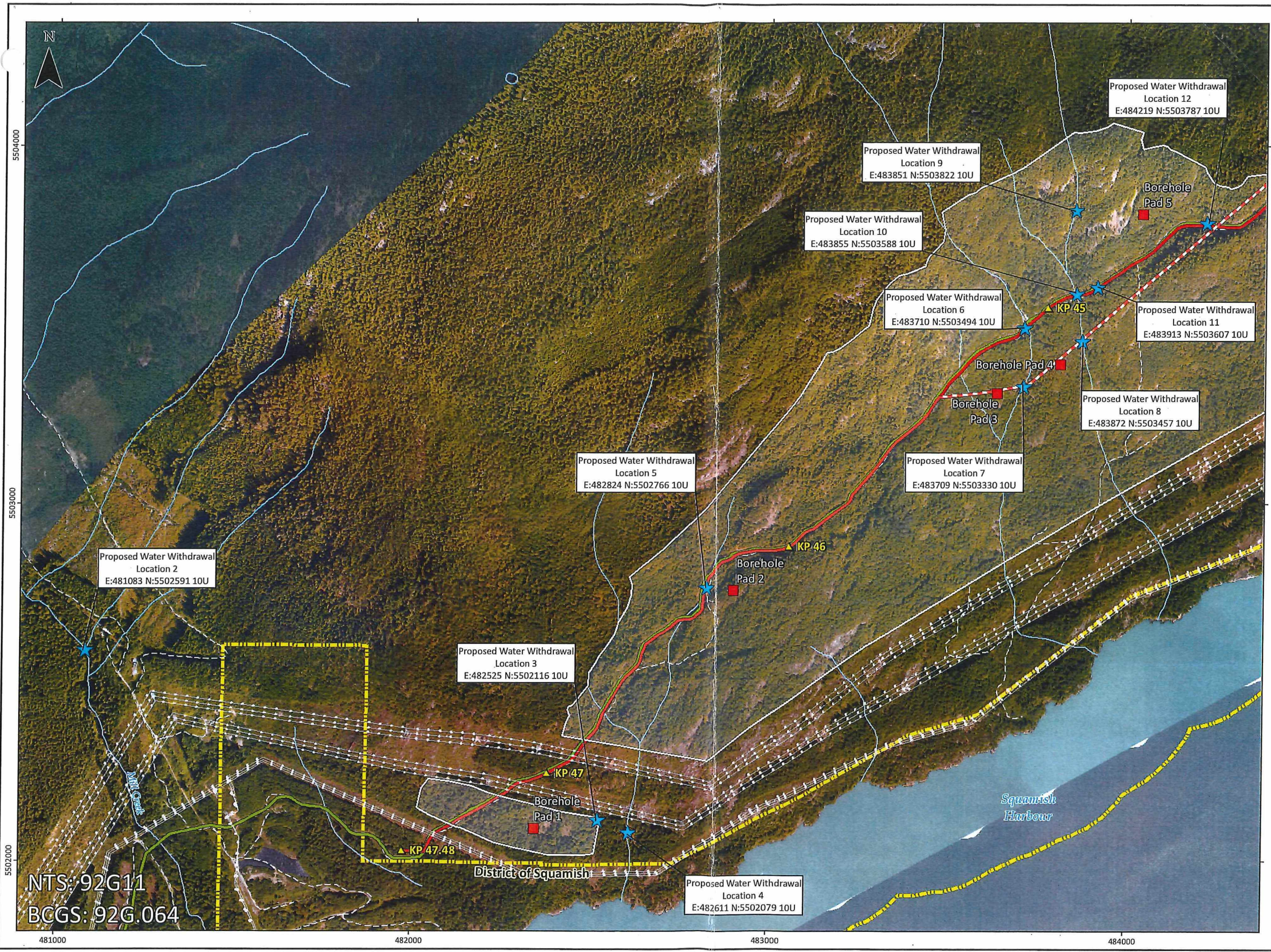
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BCGS: 92G.064

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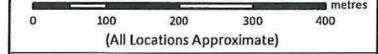
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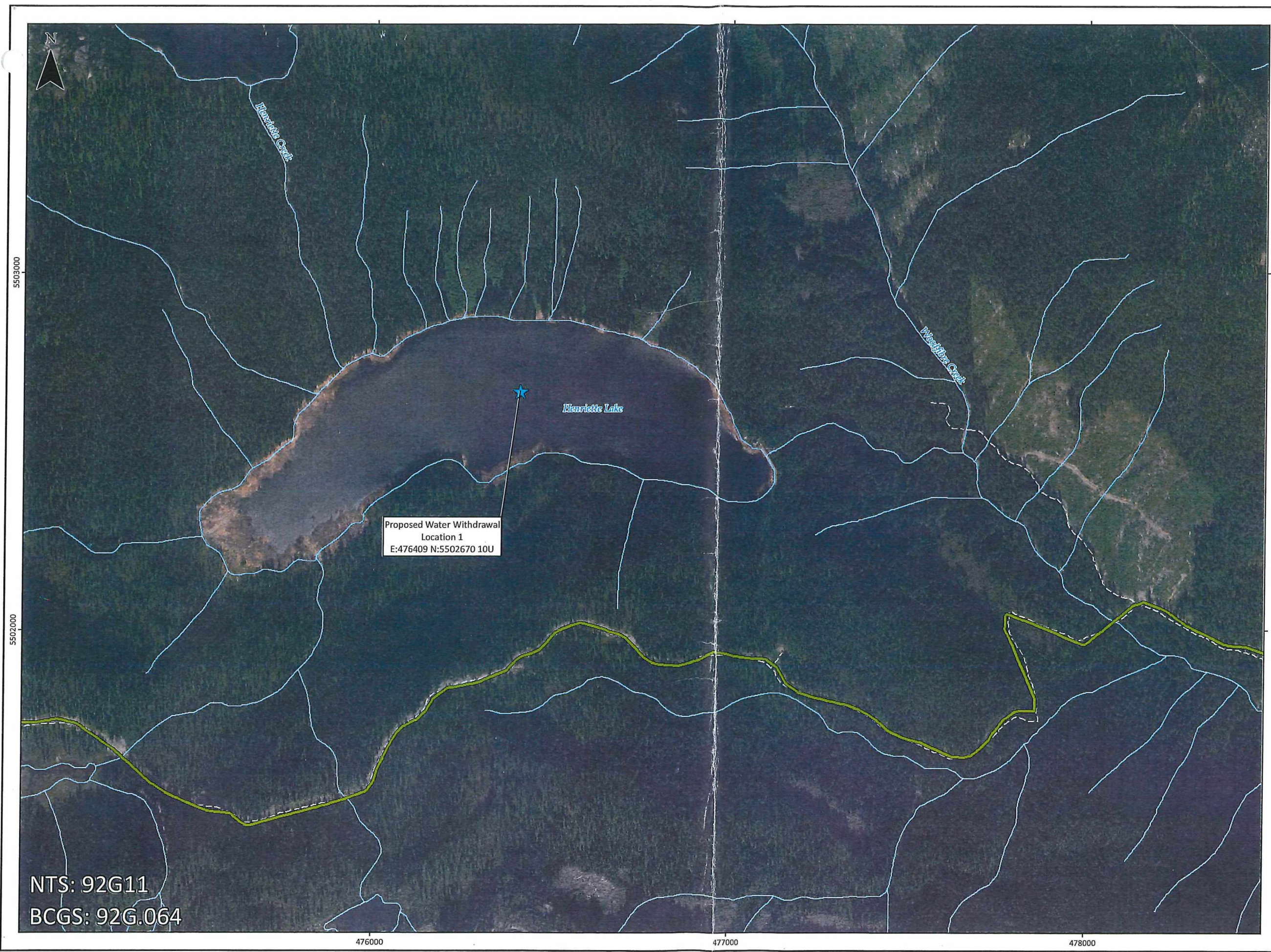
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