

OGC File: 9638342

December 14, 2013

Pacific Trail Pipelines Management Inc.
2800, 421-7th Ave.
Calgary, Alberta
T2P 4K9

Attention: Surface Land Administrator

Re: Approval for Short Term Use of Water

This approves you, under Section 8 of the *Water Act* to divert and use water as follows:

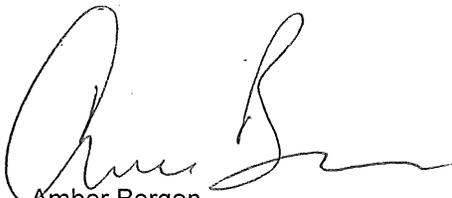
1. The approved water sources and points of diversion are listed in the attached table titled "Application for Short Term Use of Water-Supplemental Table".
2. The approved use of water is restricted to the oil and gas activities of the Operator.
3. The maximum quantity of water that may be diverted throughout the duration of the authorization is as listed in the attached table titled "Application for Short Term Use of Water-Supplemental Table".
4. On any stream, no diversion is permitted where stream discharge is less than 55 l/s, or where the diversion will cause the stream discharge to fall below 55 l/s. No diversion is permitted where stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location, or where the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
5. 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 0.10 metres, withdrawals may resume only when water levels have risen above the 0.10 metres drawdown level.
6. No water will be diverted or removed from any beaver pond.
7. Approval has been granted to use the water from December 14, 2013 to December 13, 2015.
8. This approval does not authorize any instream work.
9. A copy of this approval must be available for inspection at the tank truck and wellsite location(s).
10. End-of-pipe intakes must contain a screen with a mesh size that does not exceed one tenth of an inch.

11. The holder of this approval 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 Water withdrawal records for each diversion point, including "0" values for months where no water was withdrawn, must be recorded monthly on the digital spreadsheet provided.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@bcogc.ca. Quarterly reports are due on or before April 25th, July 25th, October 25th, and January 25th. 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 permitted activity, leave it blank.
12. In times of drought, the Commission may suspend short term water use previously authorized when there is risk to other resources that may result from the withdrawal of water. Water use suspensions may remain in place until such time as the Commission is satisfied that there is sufficient water in the applicable water body or water course to permit the short term use of the amount specified in the approval.

Additional Conditions:

1. The Oil and Gas Commission recommends the Permit holder notify the Kitselas First Nation office prior to commencement of project.
2. The Oil and Gas Commission recommends the Permit holder notify the Haisla Nation office prior to project commencement.

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



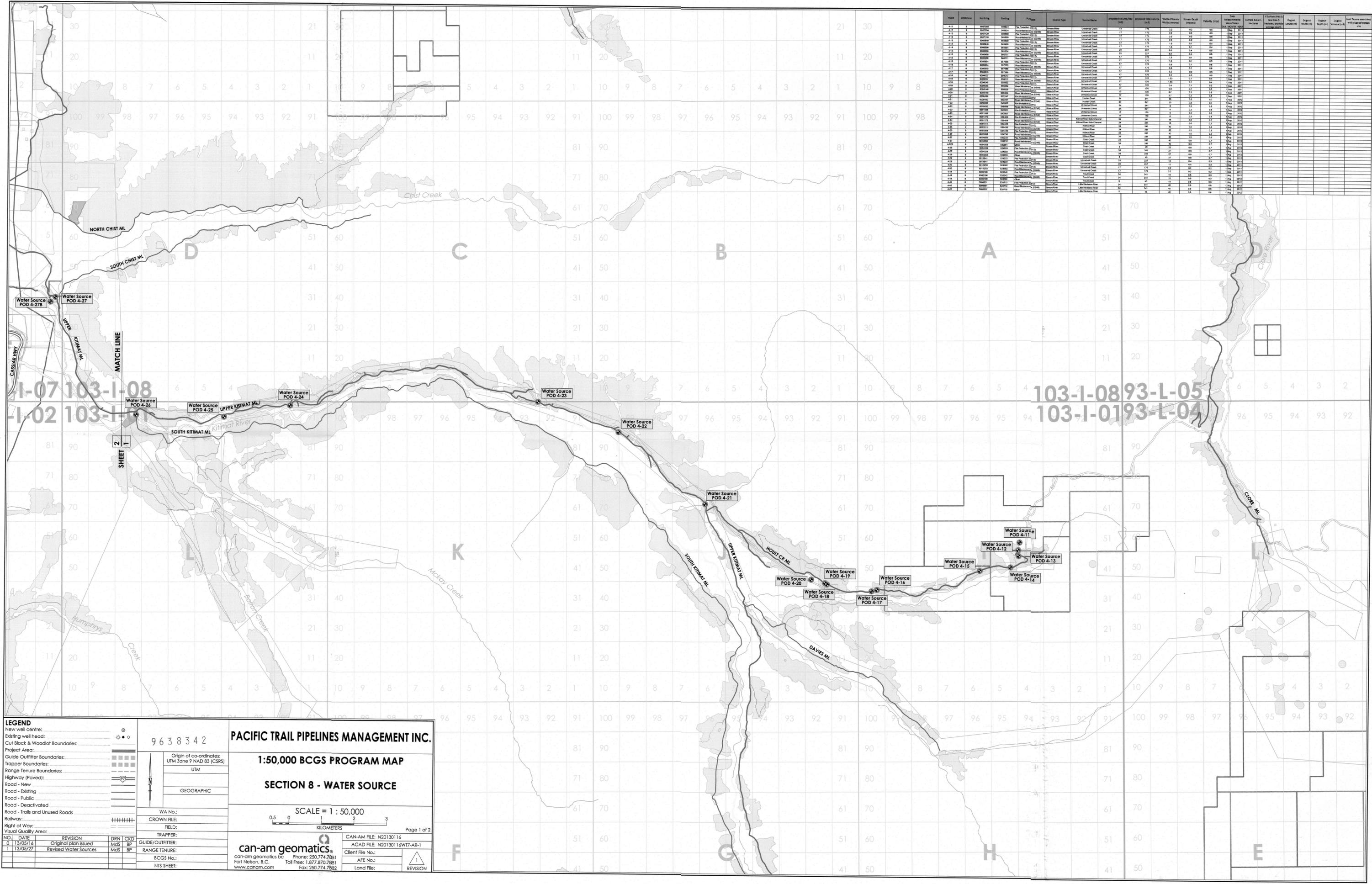
Amber Bergen
Natural Resource Officer

pc: digital copy to: Brent.MacIntyre@chevron.com, Glen.Swanson@chevron.com,
EODonnell@chevron.com, Ischoenenberger@scotland.ca

pc: Kitselas First Nation, Haisla Nation,

cc: OGC File: 9638342

POD	UTM Zone	UTM Easting	UTM Northing	POD Type	Source Type	Source Name	Proposed Pod Area (m ²)	Proposed Pod Volume (m ³)	Water Table Depth (metres)	Stream Depth (metres)	Velocity (m/s)	Date	Measurements	Surface Area (m ²)	# of Pipes (meters)	Duct Length (m)	Duct Width (m)	Duct Depth (m)	Unit Price (per m ³)	Total Price (per m ³)
4-11	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-12	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-13	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-14	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-15	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-16	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-17	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-18	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-19	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-20	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-21	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-22	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-23	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-24	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-25	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-26	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-27	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-28	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-29	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-30	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-31	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-32	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-33	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-34	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-35	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-36	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-37	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-38	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-39	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-40	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-41	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-42	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-43	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-44	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-45	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-46	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-47	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-48	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-49	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							
4-50	8	600700	611000	Pod Provision (C2)	Stream Flow	Upper Chist	17	170	2.2	0.2	0.8	10/2010	10/2010							



LEGEND

- New well centre:
- Existing well head:
- Cut Block & Woodlot Boundaries:
- Project Area:
- Guide Outfall Boundaries:
- Trapper Boundaries:
- Range Tenure Boundaries:
- Highway (Paved):
- Road - New:
- Road - Existing:
- Road - Public:
- Road - Deactivated:
- Road - Trails and Unused Roads:
- Railway:
- Right of Way:
- Visual Quality Area:

9 6 3 8 3 4 2

PACIFIC TRAIL PIPELINES MANAGEMENT INC.

1:50,000 BCGS PROGRAM MAP

SECTION 8 - WATER SOURCE

SCALE = 1 : 50,000

0.5 0 1 2 3 KILOMETERS

Page 1 of 2

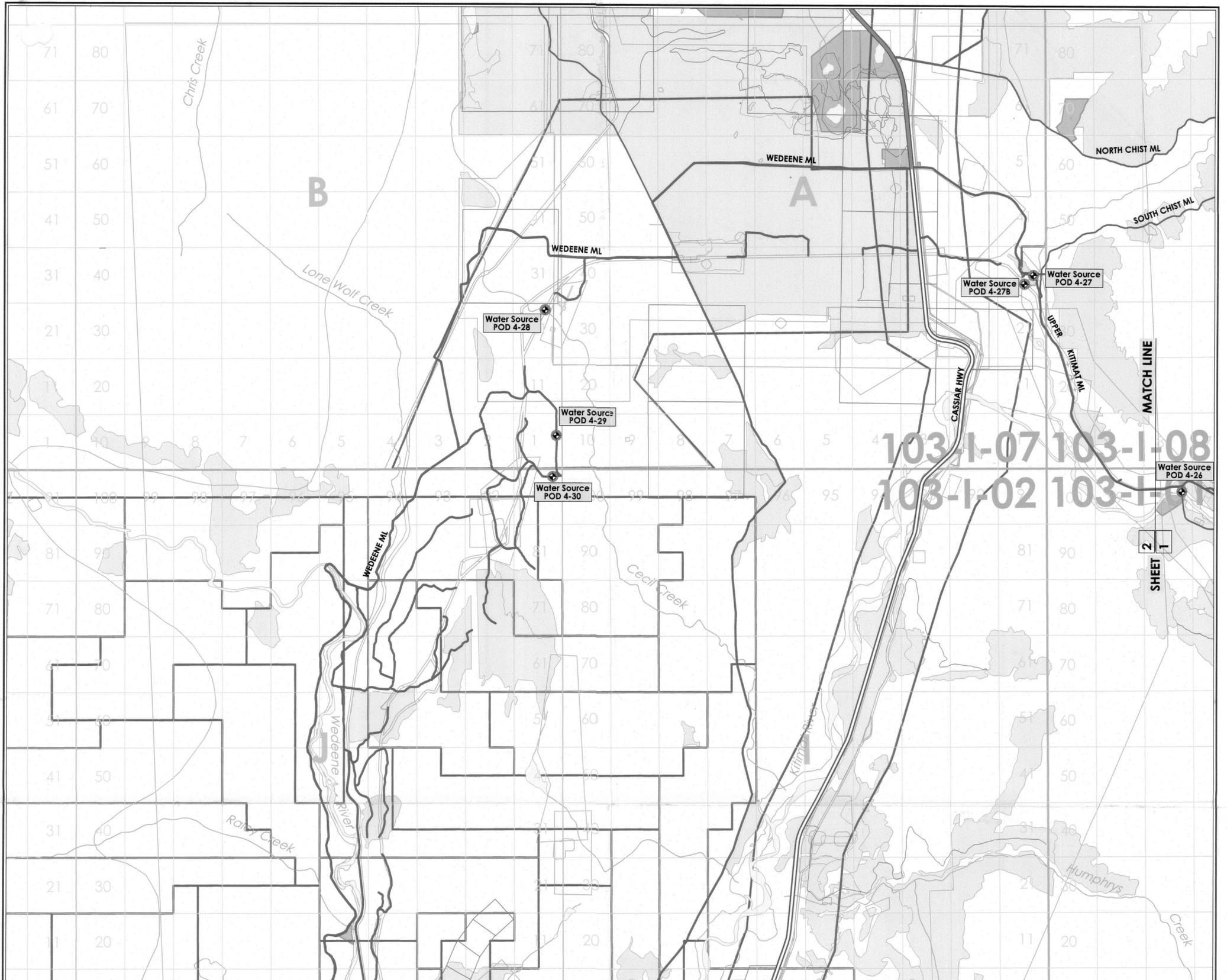
can-am geomatics
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Fort Nelson, B.C. Toll Free: 1.877.870.7831
www.canam.com Fax: 250.774.7832

CAN-AM FILE: N20130116
ACAD FILE: N20130116WT7-AR-1
Client File No.:
AFE No.:
Land File:

REVISION

NO. DATE REVISION DRN CKD
0 13/05/16 Original 2dms issued MGS BP
1 13/05/27 Revised Water Sources MGS BP

WA No.:
CROWN FILE:
FIELD:
TRAPPER:
GUIDE/OUTFITTER:
RANGE TENURE:
BCGS No.:
NTS SHEET:



POD#	UTM Zone	Nothing	Existing	Purpose	Source Type	Source Name	proposed volume/day (m3)	proposed total volume (m3)	Weighted Stream Width (metres)	Stream Depth (metres)	Velocity (m/s)	Date Measurements Were Taken	DATE MONTH YEAR	Surface Area in Hectares	Surface Area less than 5 Hectares, provide average depth	Dugout Length (m)	Dugout Width (m)	Dugout Depth (m)	Dugout Volume (m3)	Land Tenure associated with dugout storage site	
4-11	9	6007508	561924	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	2.2	0.2	0.5	1 Sep 2011									
4-11	9	6007508	561924	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	2.2	0.2	0.5	1 Sep 2011									
4-12	9	6007508	561980	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	2.2	0.2	0.5	1 Sep 2011									
4-12	9	6007508	561980	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	2.2	0.2	0.5	1 Sep 2011									
4-13	9	6006940	561900	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	1.5	0.1	0.4	1 Sep 2011									
4-13	9	6006940	561900	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	1.5	0.1	0.4	1 Sep 2011									
4-14	9	6008996	561854	Fire Protection (0212)	Stream/River	Unnamed Creek	23	227	8.8	0.4	0.5	1 Sep 2011									
4-14	9	6008996	561854	Road Maintenance (0248)	Stream/River	Unnamed Creek	23	227	8.8	0.4	0.5	1 Sep 2011									
4-15	9	6006489	560711	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	1.3	0.1	0.5	1 Sep 2011									
4-15	9	6006489	560711	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	1.3	0.1	0.5	1 Sep 2011									
4-16	9	6005854	557355	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	0.8	0.1	0.8	1 Sep 2011									
4-16	9	6005854	557355	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	0.8	0.1	0.8	1 Sep 2011									
4-17	9	6005810	557359	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	0.2	0.2	0.5	1 Sep 2011									
4-17	9	6005810	557359	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	0.2	0.2	0.5	1 Sep 2011									
4-18	9	6006007	556017	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	5.2	0.2	0.5	1 Sep 2011									
4-18	9	6006007	556017	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	5.2	0.2	0.5	1 Sep 2011									
4-19	9	6006049	555932	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	1.0	0.1	0.4	1 Sep 2011									
4-19	9	6006049	555932	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	1.0	0.1	0.4	1 Sep 2011									
4-20	9	6008439	558259	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	3.7	0.2	0.8	1 Sep 2011									
4-20	9	6008439	558259	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	3.7	0.2	0.8	1 Sep 2011									
4-21	9	6009439	552247	Fire Protection (0212)	Stream/River	Hunter Creek	34	341	20	0.5	0.7	1 Aug 2012									
4-21	9	6009439	552247	Road Maintenance (0248)	Stream/River	Hunter Creek	34	341	20	0.5	0.7	1 Aug 2012									
4-22	9	6010832	549558	Fire Protection (0212)	Stream/River	Unnamed Creek	34	341	6	0.2	0.8	1 Aug 2012									
4-22	9	6010832	549558	Road Maintenance (0248)	Stream/River	Unnamed Creek	34	341	6	0.2	0.8	1 Aug 2012									
4-23	9	6011558	547081	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	6	0.2	0.8	1 Aug 2012									
4-23	9	6011558	547081	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	6	0.2	0.8	1 Aug 2012									
4-24	9	6011372	559454	Fire Protection (0212)	Stream/River	Kilmat River Side Channel	34	341	15	0.8	0.1	1 Aug 2012									
4-24	9	6011372	559454	Road Maintenance (0248)	Stream/River	Kilmat River Side Channel	34	341	15	0.8	0.1	1 Aug 2012									
4-25	9	6012011	557425	Fire Protection (0212)	Stream/River	Kilmat River	34	341	82	1.5	0.9	1 Aug 2012									
4-25	9	6012011	557425	Road Maintenance (0248)	Stream/River	Kilmat River	34	341	82	1.5	0.9	1 Aug 2012									
4-26	9	6011053	554736	Fire Protection (0212)	Stream/River	Kilmat River	34	341	80	1.5	0.9	1 Aug 2012									
4-26	9	6011053	554736	Road Maintenance (0248)	Stream/River	Kilmat River	34	341	80	1.5	0.9	1 Aug 2012									
4-27	9	6014855	552232	Fire Protection (0212)	Stream/River	Chil Creek	34	341	40	0.8	0.7	1 Aug 2012									
4-27	9	6014855	552232	Road Maintenance (0248)	Stream/River	Chil Creek	34	341	40	0.8	0.7	1 Aug 2012									
4-27b	9	6014858	552291	Other	Stream/River	Chil Creek	5	45	23	0.8	0.7	1 Aug 2012									
4-28	9	6014254	554033	Fire Protection (0212)	Stream/River	Cecil Creek	34	341	27	0.8	0.7	1 Aug 2012									
4-28	9	6014254	554033	Road Maintenance (0248)	Stream/River	Cecil Creek	34	341	27	0.8	0.7	1 Aug 2012									
4-29	9	6011941	554222	Fire Protection (0212)	Stream/River	Unnamed Creek	23	227	12	0.4	0.3	1 Sep 2011									
4-29	9	6011941	554222	Road Maintenance (0248)	Stream/River	Unnamed Creek	23	227	12	0.4	0.3	1 Sep 2011									
4-30	9	6011253	554182	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	3.2	0.2	0.2	1 Sep 2011									
4-30	9	6011253	554182	Road Maintenance (0248)	Stream/River	Unnamed Creek	17	170	3.2	0.2	0.2	1 Sep 2011									
4-44	9	6001166	525442	Fire Protection (0212)	Stream/River	Trout Creek	34	341	18	0.5	0.3	1 Aug 2012									
4-44	9	6001166	525442	Road Maintenance (0248)	Stream/River	Trout Creek	34	341	18	0.5	0.3	1 Aug 2012									
4-44	9	6001160	525562	Other	Stream/River	Trout Creek	5	45	18	0.5	0.3	1 Aug 2012									
4-45	9	5998851	522710	Fire Protection (0212)	Stream/River	Little Wedenee River	34	341	40	0.8	0.8	1 Aug 2012									
4-45	9	5998851	522710	Road Maintenance (0248)	Stream/River	Little Wedenee River	34	341	40	0.8	0.8	1 Aug 2012									
4-45	9	5998937	522710	Other	Stream/River	Little Wedenee River	5	45	40	0.8	0.8	1 Aug 2012									

LEGEND

- New well centre:
- Existing well head:
- Cut Block & Woodlot Boundaries:
- Project Area:
- Guide Outfilter Boundaries:
- Trapper Boundaries:
- Range Tenure Boundaries:
- Highway (Paved):
- Road - New:
- Road - Existing:
- Road - Public:
- Road - Deactivated:
- Road - Trails and Unused Roads:
- Railway:
- Right of Way:
- Visual Quality Area:

NO.	DATE	REVISION	DRN	CKD
0	13/05/16	Original plan issued	MdS	BP
1	13/05/27	Revised Water Sources	MdS	BP

9 6 3 8 3 4 2

Origin of co-ordinates:
UTM Zone 9 NAD 83 (CSRS)

UTM

GEOGRAPHIC

WA No.:

CROWN FILE:

FIELD:

TRAPPER:

GUIDE/OUTFILTER:

RANGE TENURE:

BCGS No.:

NTS SHEET:

PACIFIC TRAIL PIPELINES MANAGEMENT INC.

1:50,000 BCGS PROGRAM MAP

SECTION 8 - WATER SOURCE

SCALE = 1 : 50,000

0.5 0 1 2 3
KILOMETERS

Page 2 of 2

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ACAD FILE: N20130116W17-AR-1
Client File No.:
AFE No.:
Land File:

REVISION