

Pipeline	Geographical Loation	KP	Latitude	Longitude	Northing	Easting	DLS	Geotechnical Hazard	Geotechnical Monitoring & Mitigation	Last Geteotechnical Inspection Date	Geotechnical Inspection Count	Geotechnical Photo Count	Integrity Digs	Coating
8" Deer Mountain Lateral	Moosehorn River Left (North) Slope	31+590 to 31+806	54.89675	-115.33683	6084569	606658	14 14 68 9 5	Slope	Pipeline brought to shallow burial, slope face regraded and subdrains installed in Fall 2001.	Last inspected August 15, 2011	3	8	Pipe replaced in 2007.	PE Tape
	Deer Mountain (Site 3) Amurex	42+648 to 43+348	54.79959	-115.3626	605259	6073719	6 18 67 9 5	Slope	Slope Indicators installed and Standpipes installed & monitored since 1988; Deep Horizontal Drains installed in 2008; pipeline daylighted for stress relief in 1997 and 2007.	Slope Indicators Installed - Last inspected August 15, 2011	39	52	Line to be replaced	PE Tape
	Deer Mountain (Site 4) : Upper Slide Area	44+000 to 46+462	54.78656	-115.36272	605285	6072269	11 7 67 9 5	Slope	Slope Indicators installed and Standpipes installed & monitored since 1989; pipeline daylighted for stress relief in 1997.	Slope Indicators Installed - Last inspected August 15, 2011	33	16	Line to be replaced	PE Tape
6" ARC 10-17	Moosehorn River Right (East) Slope (Home Line 13)	4.82	54.87821	-115.42179	601257	6082380	13 11 68 10 5	Slope	Slope Indicators and Standpipes installed& monitored between 1993 and 1996; pipeline daylighted for 350m and operated as surface line since 1996. An additional 75m at the slope crest was daylighted for stress relief in 2008.	Slope Indicators Installed - Last inspected August 15, 2011	17	38	Pipe is above ground is high risk area; from 4350m (block valve) to 4666.2m (top of hill)	PE Tape
8" Devon 11-18	Home Line 1	1.86	54.78873	-115.50225	596308	6072310	9 7 67 10 5	Slope	Site inspected geotechnically since 1989. No instrumentation installed, but is being considered for future monitoring. Mitigation plan for Q1 2012 is to daylight 50m section of pipeline.	Last inspected February 08, 2010	7	14	Integrity excavations to be completed Q1 2012.	Coal Tar Enamel
6" Deer Mountain Lateral	Chalmers Creek	21.93	54.94252	-115.22589	6089835	613643	8 1 69 9 5	Slope	Construction of a toe berm were undertaken between 1987 and 1990. Pipeline was re-routed off the unstable slope and a new creek crossing was installed in 1990. At present there are no recorded problems.	Last inspected August 27, 2010	2	5	No integrity digs have been done in this area. Pipeline was re-routed off the unstable slope (see Geotechnical Monitoring & Mitigation column)	PE Tape
16" Judy Creek Pump Station to JJ2 Condensate	Judy Creek	1	54.55729	-115.51394	6046544	596101	16 24 64 11 15	Slope	Slope Indicators and Standpipes installed & monitored since 1993; Deep Horizontal Slope Drains installed in 1993	Last inspected November, 2011	31	32	Integrity digs to be budgeted for 2013	PE Tape
10" Swan Hills Terminal to Whitecourt Jctn	Judy Creek		54.55729	-115.51394	6046544	596101	16 24 64 11 15	Slope	Slope Indicators and Standpipes installed & monitored since 1993; Deep Horizontal Slope Drains installed in 1993	Last inspected November, 2011	31	32	2008 - 2 digs completed in 09-25. Total of 3.5m of pipe bared. 100% MPI Completed. No SCC found. 2012 - Digs have been budgeted. DA digs to be included on this slope.	PE Tape
4" Judy Creek Gas Plant - Judy Creek Fieldgate	Judy Creek	1.45	54.55729	-115.51394	6046544	596101	16 24 64 11 15	Slope	Slope Indicators and Standpipes installed & monitored since 1993; Deep Horizontal Slope Drains installed in 1993	Last inspected November, 2011	31	32	No integrity digs have been done in this area. Coating is yellow jacket therefore less of a C-SCC risk due to coating	Yellow Jacket
House Mtn Lateral Crude 168 mm (6")	Inverness River Right (South) Upper Slope	3.33	55.03111	-115.43223	6099377	600206	7 3 70 10 5	Slope	Slope movement ongoing since pipeline was constructed in 2005. No slope monitoring instrumentation installed. Mitigation plan for 2012 is to re-grade slope to increase stability, and install monitoring instrumentation.	Last inspected August 27, 2010	5	12	New line in 2004/2005. No digs	YJ w/ shrink sleeves
Devon 2-23 Crude 273 mm (10")	Deer Mountain (Site 3) Amurex	3.99	54.79959	-115.36276	6073719	605245	6 18 67 9 5	Slope	Slope Indicators installed and Standpipes installed & monitored since 1988; Deep Horizontal Drains installed in 2008.	Last inspected August 15, 2011	29	47	DA digs completed in 2011. 100% MPI performed and no SCC found	YJ
Devon 2-23 Crude 273 mm (10")	Deer Mountain (Site 4)	5.5	54.78656	-115.36282	6072269	605270	11 7 67 9 5	Slope	Slope Indicators installed and Standpipes installed & monitored since 1989.	Last inspected August 15, 2011	33	13	DA digs completed in 2011. 100% MPI performed and no SCC found	YJ