Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
ML 1.0	ML 1	Unnamed	TBD	TBD		L/M	M	M	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	a habitat survey has been completed, but temperatures were too low for electrofishing, fish sampling required to confirm work window	TBD
0.4	427	Unnamed	S4	Yes	CCT	L	M	L	L	Flow Isolation	Flow Isolation	Culvert	Culvert	Aug 1 - Jan 31	Jul 15 - Aug 1	Open	no spawning habitat, all fish to be salvaged	4
1.4	426a	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
1.5	426	Unnamed	S5	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Culvert	Culvert	Open	Open	Open	Non-fish bearing	4
1.5	425	Unnamed	S2	Yes	RB, CO, DV, CCT	L	H	M	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	Jul 15 - Aug 1	Open	no spawning habitat, all fish to be salvaged	4
3.4	424	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
4.7	423	Duck Creek	S2	Yes	CO, CAS	L	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	Jul 15 - Aug 1	Open	excellent rearing habitat but marginal spawning habitat, all fish to be salvaged	4
5.4	422a	Unnamed	S2	Yes	CCT, CH, CO, TSB	L	M	L	L	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	Jul 15 - Aug 1	Open	no spawning habitat, all fish to be salvaged	4
5.4	422	Unnamed	S2	Yes	CH, CCT, CO, RB, TSB	L/M	M	L/M	L/M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT, assume salmon rear but do not spawn in this system, all fish to be salvaged, stream was dry Aug 28 06	3
5.8	421	Goose Creek	S2	Yes	CCT, CH	M	H	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT, assume no salmon spawning in this system due to HSI criteria, all fish to be salvaged	3
6.9	420	Unnamed	S2	Yes	CCT, CO, CC, TSB	M	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT, assume no salmon spawning in this system due to HSI criteria, all fish to be salvaged	3
9.2	419	Unnamed	S3	Yes	CO, CH, CCT	L	M	L/M	L/M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Open	no spawning habitat, all fish to be salvaged	4
9.7	418	Unnamed	S3	Yes	DV, CCT	M/H	H	M/H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Aug	window based on provincial windows for CT and DV, assume system is too small for spawning salmon, salvage all fish	2
10.0	417	Unnamed	S3	Yes	DV, CCT	H	H	M/H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Aug	window based on provincial windows for CT and DV, assume system is too small for spawning salmon, salvage all fish	2
10.3	416a	Unnamed	S5	No		N	L	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
10.4	416	Unnamed	S5	No		L/M	L/M	N/L	L/M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
11.8	415a	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
12.2	415	Little Wedeene Wetland	W2	Yes		N	M	L	L	isolate as needed	isolate as needed	Swamp Mats or Rip Rap	Swamp Mats	No Window Available	Jul 15 - Aug 1	Open	no fish surveyed but assumed fish-bearing due to proximity to Little Wedeene River, all fish to be salvaged, watercourse created by blocked culvert, seasonal migration assumed with no spawning below or at the crossing	4
12.9	414	Little Wedeene River	S1	Yes	RB, CO, CCT, CC, CH carcass observed 100 m d/s, redds observed 450 m d/s, *ST, PK, CM, DV*	H	H	H	H	HDD	Open Cut	use existing bridge	use existing bridge	No Window Available	Jul 15 - Aug 1	Open for HDD Jun 15 - Jul 15 for instream work	window difficult for this combination of species, instream window based on CH, CM, CO, fish salvage required	1
14.6	413	Trout Creek	S2	Yes	CCT	M/H	H	M/H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug 1 - Jan 31	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT, assume no salmon spawning in this system due to HSI criteria and substrates, all fish to be salvaged	3
15.7	RA 412	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
16.7	RA 411	Unnamed	S3	Yes	CH, CO, CCT, DV	L/M	H	L	H	Flow Isolation	Flow Isolation	Culvert	Culvert	No Window Available	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT, assume no salmon spawning in this system due to HSI criteria and substrates, all fish to be salvaged	2
17.0	RA 410	Wedeene River	S1	Yes	CO, DV, RB, CC, CCT, CH, redds observed, CM carcasses, *ST, PK, DV*	H	H	H	H	HDD	Open Cut	use existing bridge	use existing bridge	No Window Available	Jul 15 - Aug 1	Open for HDD Jun 15 - Jul 15 for instream work	window difficult for this combination of species, instream window based on CH, CM, CO, fish salvage required	1
18.3	RA 409	Unnamed	TBD	TBD		L	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	habitat survey confirms no spawning habitat, field survey found no fish, confirm with second visit	4
19.1	RA 408	Unnamed	TBD	No (gradient >30%)		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, but gradient is >30%	TBD
19.9	RA 407	Unnamed	TBD	No (gradient >30%)		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, but gradient is >30%	TBD
21.3	RA 406	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, use Aug window for planning purposes, confirm with field survey	TBD
21.6	RA 405	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, use Aug window for planning purposes, confirm with field survey	TBD
22.7	RA 404	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, use Aug window for planning purposes, confirm with field survey	TBD

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
22.8	RA 403	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, use Aug window for planning purposes, confirm with field survey	TBD
23.3	RA 402	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, use Aug window for planning purposes, confirm with field survey	TBD
24.6	RA 401	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	there has been no survey on this stream, use Aug window for planning purposes, confirm with field survey	TBD
25.4	RA 400	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
25.6	RA 399	Unnamed	S2	Yes	CH, CO, CCT, DV, observed lamprey	M/H	H	L/M	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	Jul 15 - Aug 1	Aug	window based on provincial CCT and DV window, based on HSI criteria assume anadromous fish use this for rearing only, salvage all fish present	2
28.3	RA 398	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
30.1	RA 397	Cecil Creek	S2	Yes	CO, CCT, DV	H	H	H	H	Flow Isolation	Flow Isolation	use existing bridge	use existing bridge	Aug	Jul 15 - Aug 1	Jul 1 - Sep 15 for instream work	window based on life history charts for Kitimat River, used by many species with different life histories but most are downstream of a barrier which itself is downstream of the crossing site, salvage all fish, may require working later in year to get good flows	1
30.2	RA 396	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
38.8	379	Chist Creek	S1	Yes	CO, DV, ST, 35 redds counted, CM, PK and SK observed spawning, *CH, CT*	H	M	M	H	HDD	Open Cut	use existing bridge	use existing bridge	Aug 15 - 31	Jul 15 - Aug 1	Open for HDD Jul 15 - Aug 1 for instream work	used by many species with different life histories, window based on DFO default window for Kitimat River, salvage all fish, may require working later in year to get good flows	1
39.4	378a	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
39.7	378	Unnamed	S6	No		N	N	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
39.8	377z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
40.6	377x	Unnamed	S6	No		N	N	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
40.9	377w	Unnamed	S3	Yes	CO	L	L/M	N	L/M	Flow Isolation	Flow Isolation	Culvert	Culvert	Jun 15 - Aug 31	Jul 15 - Aug 1	Open	limited by flow though some possibility of spawning near the Kitimat R, salvage all fish	4
41.5	377v	Unnamed	S3	Yes	CO	N	N (CO - M)	L/N	L	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	Jul 15 - Aug 1	Open	offchannel habitat to Chist Creek, seasonal migration assumed with no spawning, salvage fish	4
41.6	377u	Unnamed	S3	Yes	CO, RB, CCT	L/M	M	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Aug 15 - Sep 30	good spawning habitat, window based on life history info for CO, RB and CCT, may require mitigation to prevent CO spawning in the zone of influence	2
41.9	377s	Unnamed	W1	Yes	CO	N	M	M	L	Isolate	Isolate	Swamp Mats or Rip Rap	Culvert and Ramp	Jun 15 - Aug 31	Jul 15 - Aug 1	Open	watercourse created by blocked culvert, seasonal migration assumed with no spawning below or at the crossing, potentially some spawning habitat above the wetland, salvage fish	4
41.9	377t	Unnamed	S3	Yes	CO, RB, DV	N	M	L/M	L/M	Flow Isolation	Flow Isolation	Culvert	Culvert	Aug	Jul 15 - Aug 1	Open	no spawning habitat, salvage all fish	4
43.8	377r	Unnamed	S3	Yes	CO, RB, CCT, DV	M	H	H	L/M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Aug 15 - Sep 15	window based on provinical combinations, may require mitigation to prevent spawning of CO and DV within the zone of influence, salvage all fish	2
44.1	377q	Unnamed	S6	No		N	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
44.5	377p	Unnamed	S4	Yes	CCT, DV, CO	M	H	M	M	Flow Isolation	Flow Isolation	Ford	Culvert	Aug	Jul 15 - Aug 1	Aug - Sep	window based on CCT and DV, CO assumed to use for rearing only based on depth criteria, salvage all fish, Aug preferred and some mitigation may be required to prevent DV spawning in zone of influence	2
44.6	377	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
44.7	376z	Unnamed	NCD	No		N	L/M	M	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
45.0	376y	Unnamed	S3	Yes	CCT	M	M	L	M	Flow Isolation	Flow Isolation	Ford	Culvert	Aug 1 - Jan 31	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT, presence of YOY implies spawning in system, all fish to be salvaged	3
45.0	376x	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
45.5	376	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Culvert	Culvert	Open	Open	Open	Non-fish bearing	4
46.4	375	Unnamed	S5	No		M	M	N	L/M	Open Cut with Sediment Control	Flow Isolation	Culvert	Culvert	Open	Open	Open	Non-fish bearing	4
47.4	374	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
47.9	373	Unnamed	S3	Yes	CO, CCT	L	M	N	L	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Open	no spawning habitat, all fish to be salvaged	4
48.3	372	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
48.9	371	Unnamed	S4	Yes	CO	N	N	N	N	Flow Isolation	Flow Isolation	Ford	Culvert	Jun 15 - Aug 31	Jul 15 - Aug 1	Open	no fish caught at crossing, road culvert is barrier, fish present below the barrier at confluence with Kitimat	4
49.6	370	Unnamed	S5	No		L	M	L	N/L	Open Cut with Sediment Control	Flow Isolation	Culvert	Culvert	Open	Open	Open	Non-fish bearing	4
50.0	369	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
50.0	368	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
50.1	367z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
50.4	367	Unnamed	S3	Yes	CCT, CO juveniles observed	M	H	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT, anadromous salmon assumed to use this system for rearing only, all fish to be salvaged	3
50.7	366	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
50.8	365z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
51.1	365	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
51.2	364	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
51.3	363	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
51.4	362	Unnamed	S6	No		N	L	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
51.5	361	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
51.9	360	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
52.0	359	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
52.2	358	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
52.6	357	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
52.9	356w	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
52.9	356e	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
52.9	355	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
53.1	354	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
53.2	353	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
53.4	352	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
53.7	351	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
53.8	350z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
54.1	350	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
54.2	349	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
54.3	348z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
54.5	348	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
54.7	347	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
54.9	346	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
55.2	345	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
55.7	344	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
56.0	343	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
56.1	342	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
56.5	341	Unnamed	TBD	TBD		L	L	N	N	Open Cut with Sediment Control	Flow Isolation	Open Bottom Structure	Clearspan Bridge	TBD	TBD	Open	stream section may be NFB (no fish during first visit), intermittent flow, minimal spawning habitat, all fish to be salvaged if present	4
56.6	340	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
56.8	339	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
57.1	338	Unnamed	S2	Yes	CCT	M	H	M	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug 1 - Jan 31	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT window though spawning habitat appears to be scarce, all fish to be salvaged	3
57.4	337	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
57.5	336	Unnamed	S5	No		N	L	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
57.7	335	Unnamed	S3	Yes	DV	M	M	M	L	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 1 - Aug 31	Jul 15 - Aug 1	Open	window based on gradient and falls, fish present below the barrier	4
58.1	334	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
58.2	333	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
58.5	332	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
58.8	331	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
59.3	330	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
59.5	329z	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
59.6	329	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
59.8	328	Unnamed	S2	Yes	CCT, CO observed	M	M	L/M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug	Jul 15 - Aug 1	Aug 1 - Jan 31	window based on provincial CCT window, assume CO and other anadromous salmon use stream only for rearing, all fish to be salvaged	3
59.9	327	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
60.4	326	Unnamed	S5	No		L	L	N	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
60.9	324z	Unnamed	TBD	TBD		N	L	N	H	Open Cut with Sediment Control	Flow Isolation	Open Bottom Structure	Clearspan Bridge	TBD	TBD	TBD	stream section may be NFB (no fish during first visit), minimal spawning habitat, all fish to be salvaged if present	TBD
61.4	324	Unnamed	TBD	TBD		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	stream section may be NFB (no fish during first visit), minimal spawning habitat, all fish to be salvaged if present	TBD
61.5	323z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
61.7	323y	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
62.0	323x	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
62.1	323	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
63.0	321z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
63.4	321	Hunter Creek	S1	Yes	CO, CH, DV, RB/ST, ST, spawning CM, PK and SK ~2 km DS	M	M	M	H	Flow Isolation	Flow Isolation	use existing bridge	use existing bridge	No Window Available	Jul 15 - Aug 1	Jul 1 - Jul 31	window based on life history of all species except CO and ST which are assumed to spawn higher in the system, there is not a lot of spawning habitat at the crossing but need to consider effects on spawning areas downstream, may require additional mitigation and compensation	1
63.8	320	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
65.5	319	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
66.1	318	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
66.3	317	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
67.0	316	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
67.3	315z	Unnamed	S5	No		M	M/H	L/M	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
67.9	312	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
68.0	311z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
68.0	311y	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
68.1	311	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
68.2	310z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
68.4	310y	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
68.9	310	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
69.0	309	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
69.5	308	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
69.6	307	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
69.7	306	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
69.8	304z	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
69.9	304	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
70.1	303	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
70.2	302	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
70.3	301	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
70.5	300	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
70.8	299	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
71.2	298	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
71.2	297	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
72.0	296	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
72.2	295	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
72.4	294z	Unnamed	S5	No		N	L/N	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
72.6	294y	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
73.1	294	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
73.1	293z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
73.5	293	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
73.7	292	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
74.0	291	Unnamed	TBD	TBD		L	L/M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (no fish during first visit), adjust proposed window if fish present on second survey, minimal spawning habitat, all fish to be salvaged if present	4
74.1	290	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
74.3	289	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
75.7	288	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
76.1	287	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
76.3	286	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
76.3	285	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
76.4	284	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
76.7	283	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
77.4	282	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
78.7	281	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
80.3	280	Unnamed Pond	W1	No		N	N	N	N	Open Cut with Sediment Control	Open Cut with Sediment Control	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
80.5	279	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
81.0	278	Unnamed	S5	No		N/L	L	N/L	N/L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
83.4	276	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
84.0	275	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
84.2	274	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
84.3	273	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
84.5	272	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
84.6	272z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
84.6	271	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
84.6	270	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
84.7	269	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
84.9	268	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
85.2	267z	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
85.3	267	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
85.5	266	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
85.6	265	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
85.6	264	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
85.7	263	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
85.8	262	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
86.0	261	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
86.1	260	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
86.3	259	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
86.4	258	Unnamed	S6	No		N	L	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
86.6	257	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
86.7	256	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
87.1	255	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
87.3	254	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
87.5	252	Unnamed	S5	No		L	M	L	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
88.5	242	Clore River	S1	Yes	BB, CH, CO, CT, DV, KO, MW, RB, ST, WST	TBD	TBD	TBD	TBD	Aerial	Aerial	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	Open for aerial if no instream structure required	no window necessary for aerial crossing	4
91.7	241d	Unnamed	S5	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
92.8	241c	Unnamed Pond	W1	No		L	L	N	L	Open Cut with Sediment Control	Open Cut with Sediment Control	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
93.0	241b	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
96.9	241a	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
99.6	241	Burnie River	S1	Yes	RB, DV	M/H	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	Aug 1 - Sep 30	window based on presence of CT, MW, DV and RB, may require mitigation to prevent DV spawning within the zone of influence, all fish to be salvaged, Aug preferred based on provincial window	1

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
100.1	240a	Unnamed pond	W2	No		L	L	N	L	Open Cut with Sediment Control	Open Cut with Sediment Control	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
100.7	240	Unnamed	S6	No		N/L	L	N	N/L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
102.2	239	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
102.3	238a	Unnamed	TBD	TBD		L	L/M	L	L/M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (no fish during first visit), minimal spawning habitat, all fish to be salvaged if present	4
102.6	237	Unnamed	TBD	TBD		L/M	L/M	L	L/M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section was dry at time of survey, minimal spawning habitat, all fish to be salvaged if present	4
103.6	236	Unnamed	S5	No		N/L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
104.0	235	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
104.6	234	Unnamed	S4	Yes	DV	L	L	N	L	Flow Isolation	Flow Isolation	Ford	Culvert	Jun 15 - Aug 31	see province	Open	ephemeral drainage with low spawning habitat potential, fish d/s at lake confluence, all fish to be salvaged if present	4
105.2	233	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
106.1	232	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
106.6	231	Unnamed	S2	Yes	BT/DV	H	H/M	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	see province	Jun 15 - Aug 31	window based on provincial DV window, good spawning habitat rating, all fish to be salvaged, adults observed near crossing	2
106.7	230	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
106.9	229	Unnamed	S5	No		M	M	M	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
107.1	227	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
107.6	226	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
108.0	RA 224	Unnamed	S6	No		L/M	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
109.3	RA 222	Unnamed	S2	Yes	CO, RB	H	H	H	L/M	HDD	Flow Isolation	use existing bridge	use existing bridge	No Window Available	see province	Open for HDD Aug 1 - Dec 31 for instream work	this is a very important system, part of the Gosnell system, likely used for rearing and spawning, window based on ST life history (similar to provincial window, but also includes Aug), fish to be salvaged, may require mitigation to prevent CO spawning within the zone of influence, this window should allow good chance of isolation technique, Aug & Sep are preferred	1
109.5	222z	Unnamed	S3	Yes		L	H	M	M	Flow Isolation	Flow Isolation	use existing bridge	use existing bridge	No Window Available	see province	Open	no spawning habitat but good rearing, all fish to be salvaged	4
109.8	RA 221	Gosnell Creek Side Channel	S2	Yes	CO, RB/ST	M/H	H	M	M/H	HDD	Flow Isolation	use existing bridge	use existing bridge	No Window Available	see province	Open for HDD Aug 1 - Dec 31 for instream work	this is a very important system, this is a side channel that likely is used for rearing rather than spawning, window based on ST life history (similar to provincial window, but also includes Aug), fish to be salvaged	1
110.0	RA 220	Gosnell Creek	S1	Yes	CO, RB, BT/DV, *CH, MW, PK, ST*	H	H	H	M/H	HDD	Flow Isolation	use existing bridge	use existing bridge	No Window Available	see province	Open for HDD Aug 1 - Dec 31 for instream work	window based on ST life history (similar to provincial window, but also includes Aug), may require mitigation to prevent CO spawning within the zone of influence, this window should allow good chance of isolation technique, Aug & Sep are preferred	1
110.7	219	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
111.7	218	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
112.1	217	Unnamed	S2	Yes	DV, CT, CH	L/M	H	M	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	Aug 15 - Dec 31	window based primarily on CT life history and project logistics, may require mitigation to prevent DV spawning within the zone of influence	2
112.9	216	Unnamed	S6	No		N	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
113.6	215	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
114.2	214	Unnamed	S5	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
114.5	213a	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
115.3	213	Unnamed	S5	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
116.1	212	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
116.4	211a	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
116.5	211	Unnamed	S6	No		L/M	L/M	L	L/M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
116.7	210c	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
116.8	210b	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
116.9	210a	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
116.9	210	Unnamed	TBD	TBD		L/M	M	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	no fish caught at time of first survey (Jul 28 06), previous info of fish in this system, requires a second visit, proposed window to be adjusted if fish present on second visit	4
117.0	209z	Unnamed	S3	Yes	DV	L	M	N	M	Flow Isolation	Flow Isolation	Ford	Culvert	Jun 15 - Aug 31	see province	Open	no spawning habitat but moderate rearing, all fish to be salvaged	4
117.2	209	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
117.5	208z	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
118.5	208	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
118.9	207z	Unnamed	S5	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
119.1	207	Unnamed	S3	Yes	DV	M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	see province	Jun 15 - Aug 31	window based on provincial DV window, spawning habitat rating of moderate, all fish to be salvaged, no redds observed in the fall	2
119.8	206	Unnamed	S3	Yes	DV	M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	see province	Jun 15 - Aug 31	window based on provincial DV window, YOY observed implying spawning nearby	2
119.9	205	Unnamed	S3	Yes	DV	M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	see province	Jun 15 - Aug 31	window based on provincial DV window, YOY observed implying spawning nearby	2
121.4	204	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
121.4	203	Unnamed	S3	Yes	DV	H	L	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	see province	Jun 15 - Aug 31	window based on provincial DV window, YOY observed implying spawning nearby	2
122.5	202	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
124.5	201	Crystal Creek	S1	Yes	RB, UN	L	M	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Sep 1 - Jan 31	see province	Jul 15 - Aug 31	spawning habitat is deemed low at the crossing, but there is likely to be spawning habitat either upstream or downstream given our knowledge of Gosnell Cr, RB observed in survey could be ST	1
125.0	200	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
125.1	199	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
126.7	198	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
127.8	197z	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
128.2	197	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
129.8	196	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
130.4	195	Unnamed	S3	Yes	RB, CO, UN	L	H	L	H	Flow Isolation	Flow Isolation	Ford	Culvert	No Window Available	see province	Open	no spawning habitat but high rearing habitat rating, all fish to be salvaged	4
130.6	194	Morice River	S1	Yes	CAS, CO, RB/ST, BT/DV, SK, PK, *CH, CM, CT, MW*	H	H	H	H	HDD	Aerial	use existing bridge	use existing bridge	No Window Available	see province	Open for HDD and aerial crossing	this is an important spawning and rearing stream for many fish species	1
131.1	193	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
131.5	192	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
132.3	191	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
132.4	190	Unnamed	S6	No		N	N	N	N	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
132.9	189	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
133.6	188	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
133.9	187	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
133.9	186	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
136.3	185	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
137.4	184	Unnamed	S2	Yes	DV	M	H	L	M	Open Cut (if dry)	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jun 15 - Aug 31	see province	Jun 15 - Aug 31	window based on provincial DV window, lacked connectivity to Morice at time of survey	2
137.7	183	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
140.0	RA 181	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	channel was dry at FSR on Sep 27 06, likely to be NFB but requires a field survey, window to be adjusted if fish present on second visit	4
140.7	RA 180	Unnamed	TBD	TBD		TBD	TBD	TBD	TBD	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	channel was dry at FSR on Sep 27 06, likely to be NFB but requires a field survey, window to be adjusted if fish present on second visit	4
142.7	RA 179	Cedric Creek	TBD	TBD		L	N/L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	channel was dry at time of survey (Sep 26 06), assumed unlikely to have spawners at this location	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
144.5	RA 178	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
146.4	177z	Unnamed	S3	Yes	CO	L/M	L (CO-H)	L	M	Flow Isolation	Flow Isolation	Ford	Culvert	Jul 1 - Aug 31	see province	Open	no spawning habitat, but good offchannel rearing habitat for CO, all fish to be salvaged	4
147.3	177zy	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
147.8	177	Unnamed	S3	Yes	UN	L/M	M	L	L	Flow Isolation	Flow Isolation	Ford	Culvert	Open	see province	Open	habitat above FSR not accessible due to perched culvert, flows minimal, fish present only at confluence with Morice	4
149.2	RA176z	Unnamed	S6	No		N	N	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
149.9	RA 176	Lamprey Creek	S2	Yes	(DV, PL, RB, CO, LNC, UN captured ~ 1 km DS)	L	H	M	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	July	literature notes that this is an important spawning and rearing stream, particularly in the mid sections of the stream, spawning habitat is deemed low at the surveyed location, CO and ST main species of concern, window selected in consultation with DFO	1
150.4	RA 175c	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
150.9	RA 175b	Unnamed	S3	Yes	CT	L	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Sep 1 - Dec 31	see province	Open	no spawning habitat but high rearing habitat rating, all fish to be salvaged	4
153.0	RA 175a	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
154.6	RA 175	Unnamed	S3	Yes	DV, RB	M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	Sep 1 - Dec 31	window based on provincial ST window which is given priority over DV, mitigation may be required to prevent DV spawning within the zone of influence	2
154.8	RA 174b	Unnamed	S2	Yes	DV, RB, CH	L/M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	Sep 1 - Dec 31	window based on provincial ST window which is given priority over DV, mitigation may be required to prevent DV spawning within the zone of influence, CH juveniles present but assumed not to spawn in the zone of influence	2
156.5	RA 174a	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
157.2	RA 174	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
158.3	RA 173z	Unnamed	S5	No		L	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
163.0	173	Fenton Creek	S2	Yes	RB, CH, DV, CO	L	H	L/M	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	July	no spawning habitat but high rearing habitat rating, all fish to be salvaged, possible spawning habitat higher in stream and care needed to ensure passage is not impeded for long	1
165.3	172	Owen Creek	S2	Yes	RB, MW, CH, and a Lamprey was observed	M/H	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	No Window Available	see province	July	literature notes that this is an important spawning and rearing stream, the lower section is used primarily for rearing, most spawning of anadromous fish is in the upper watershed, window should be in the open water season to allow monitoring of migration and sediment releases to Morice R downstream, CO and ST main species of concern, need to maintain migration during peak spawning times by minimizing crossing time, window selected in consultation with DFO	1
166.2	171z	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
167.5	171y	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
168.0	171x	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
172.5	171w	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
173.0	171v	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
173.3	171u	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
173.6	171t	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
173.7	171s	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
175.7	171r	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
178.9	RA 171aa	Unnamed	S6	No		L/M	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
179.0	RA 171	Parrot Creek	S2	Yes	(RB caught 500 m US)	L	H	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug 1 - Mar 31	see province	Open	no spawning habitat but high rearing habitat rating, all fish to be salvaged	4
180.4	RA 170z	Unnamed	TBD	TBD		L	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (no fish during first visit), adjust proposed window if fish present on second survey, no spawning habitat, all fish to be salvaged if present	4
180.6	RA 170x	Unnamed	S3	Yes	(RB ~700 m US)	L	L/M	L	L	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Aug 1 - Mar 31	see province	Open	stream section may be NFB (no fish during first visit, though fish caught at upstream location), no spawning habitat, all fish to be salvaged if present	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
180.7	RA 170w	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
181.8	RA 170v	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
182.3	RA 170u	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
183.7	170t	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
184.4	170s	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
184.9	170r	Unnamed	TBD	TBD		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	TBD	TBD	Open	no spawning habitat, all fish to be salvaged	4
186.2	170q	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
187.2	170p	Unnamed	TBD	TBD		L	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	TBD	TBD	Open	stream section may be NFB (no fish during first visit), no spawning habitat, all fish to be salvaged if present	4
188.0	RA 170o	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
188.6	RA 170n	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
189.1	RA 170m	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
189.8	RA 170l	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
190.7	RA 170k	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
192.8	RA 170h	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
193.8	RA 170	Unnamed	TBD	TBD		L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	TBD	TBD	Open	stream section may be NFB (no fish during first visit), no spawning habitat, all fish to be salvaged if present	4
196.8	169z	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
198.8	169y	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
199.9	RA 169x	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
200.3	RA 169w	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
201.7	RA 169v	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
201.7	RA 169u	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
202.6	RA 169t	Unnamed	S6	No		N	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
202.9	RA 169s	Unnamed	S6	No		N	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
203.1	RA 169r	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
203.4	RA 169q	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
204.1	RA 169p	Unnamed	S6	No		L	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
204.2	RA 169	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
204.8	RA168z	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
205.2	RA168y	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
206.1	RA168x	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
206.7	RA 168	Unnamed	S3	Yes	RB	H	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Aug 1 - Mar 31	see province	Aug 1 - Mar 31	excellent spawning habitat, use provincial window based on RB, all fish to be salvaged if present	2
208.2	167	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
209.1	166z	Unnamed	TBD	TBD		L	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	TBD	TBD	Open	stream section may be NFB (no fish on first visit), minimal spawning habitat, all fish to be salvaged if present	4
209.4	166y	Unnamed	TBD	TBD		L	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (though site has not received a first visit), no spawning habitat, all fish to be salvaged if present	4
211.6	166	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
212.2	165z	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
212.7	165y	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
212.8	165x	Unnamed	S6	No		L	L	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
215.2	165	Allin Creek	S2	Yes	RB	H	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	excellent spawning habitat, use provincial window based on RB, all fish to be salvaged if present	2
215.8	164y	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
216.6	164	Unnamed	S5	No		L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
216.9	163z	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
217.3	163y	Unnamed	TBD	TBD		M	M/H	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	TBD	TBD	Open	stream section may be NFB (though a second visit is required to confirm this), proposed window to be adjusted if fish present, some spawning habitat, all fish to be salvaged if present	4
217.5	163x	Unnamed	S5	No		L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
217.7	163w	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
218.1	163v	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
218.4	163u	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
218.8	163t	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
220.3	163a	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
220.7	163	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
222.5	RA 162z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
225.5	RA 162y	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut with Sediment Control	Ford	Culvert	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
226.7	162	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
228.1	161zz	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
228.4	161z	Unnamed	W2	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing with no connectivity to fish-bearing watercourse	4
228.7	161y	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
229.6	161v	Unnamed	TBD	TBD		M	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	TBD	TBD	Open	stream section may be NFB (though a second visit is required to confirm this), adjust proposed window if fish present, some spawning habitat, all fish to be salvaged if present	4
229.7	161u	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
230.1	161s	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
230.5	161	Unnamed	S3	Yes	RB	H	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	excellent spawning habitat, use provincial window based on RB, all fish to be salvaged if present	2
230.8	160cc	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
231.2	160bb	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
231.7	160aa	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
231.8	160	Unnamed	S3	Yes	RB	M/H	M	M	M	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	good spawning habitat, use provincial window based on RB, all fish to be salvaged if present	3
232.4	159zz	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
232.5	159z	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
233.8	159u3	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
234.3	159u	Unnamed	TBD	No (gradient >30%)		L/M	M	L	L/M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	there has been no survey on this stream, but gradient is >30%	4
234.5	159t	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
235.4	159	Beach Creek	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
238.7	158aa	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
238.9	158	Unnamed	S3	Yes	RB	M/H	M/H	L	M	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	excellent spawning habitat, use provincial window based on RB, all fish to be salvaged if present	2
239.4	157z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
239.5	157zz	Tchesinkut Creek	S3	Yes	RB, UN	M/H	M/H	M	M/H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	excellent spawning habitat, use provincial window based on RB, all fish to be salvaged if present	1
240.6	157d	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
240.7	157c	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
241.3	157b	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
241.9	157a	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
244.3	157	Unnamed	S2	Yes	LKC, UN minnow	L	L	L	L	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	TBD	TBD	Open	stream section may not have salmonids (though a second visit is required to confirm this), no spawning habitat, all fish to be salvaged if present, proposed window may require adjustment if fish found in second survey	4
245.9	156y	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
246.9	156t	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
248.0	156	Unnamed	S3	Yes	RB	L/M	L/M	L/M	M	Flow Isolation	Flow Isolation	Ford	Culvert	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	minimal spawning habitat, but use provincial window based on RB, all fish to be salvaged if present	3
248.1	155zz	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
248.8	155w	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
250.4	155	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
253.8	RA 154o	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
254.6	154k	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
255.1	154	Baker Creek	S6	No		L/M	M	L/M	L/M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
255.2	153y	Unnamed	S6	No		M	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
255.7	153x	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
256.3	RA 153t	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
256.8	RA 153s	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
257.3	RA 153r	Unnamed	TBD	TBD		M	L	L/M	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	TBD	no fish present on first visit, work window to be adjusted if fish present on second survey, all fish to be salvaged if present	TBD
257.3	153	Unnamed	TBD	TBD		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	no fish present on first visit, proposed window to be adjusted if fish present on second survey, all fish to be salvaged if present	4
257.6	152y	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
258.7	152t	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
258.7	152s	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
259.0	152r	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
259.5	152o	Unnamed	TBD	TBD		L/M	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	no fish present on first visit, all fish to be salvaged if present	4
260.0	152n	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
262.2	RA 152b	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
263.8	RA 152a	Unnamed	S6	No		M	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
264.5	152pp2	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
264.7	152	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
265.5	151 rr a	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
266.9	149 A	Unnamed channel	TBD	TBD		M	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (stream dry during first visit), all fish to be salvaged if present	4
268.6	149v	Unnamed	S3	Yes	UN observed at confluence with Tchsinkut Creek	M	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	seasonal stream, proposed window to be adjusted if fish present on second survey, all fish to be salvaged if present	4
269.7	149n	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
270.8	149k2	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
272.4	149f	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
273.4	149e	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
277.1	149aaa	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
278.9	149	Tchesinkut Creek	S2	Yes	RSC, WSU, LNC, NSC, RB, CH	H	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Aug 15	No Window Available	Aug 1 - Mar 31	window based on provincial RB window and knowledge that CH spawn near Shovel Creek in the Endako system	1
280.6	148z	Unnamed	S3	Yes	RB	L	L	L	L	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Open	seasonal stream with no spawning habitat and poor rearing habitat, all fish to be salvaged if present	4
280.8	148	Sam Ross Creek	S3	Yes	TR (suspected to be RB)	M	L	L	L	Flow Isolation	Flow Isolation	Ford	Culvert	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	window based on provincial RB window, all fish to salvaged if present	3
281.9	147	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
283.4	146a	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
283.7	146	Unnamed	S3	Yes	RB	M/H	M	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Aug 1 - Mar 31	window based on provincial RB window, all fish to salvaged if present	3

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
284.8	145z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
286.1	145	Unnamed	TBD	TBD		L/M	L/H	L	L/H	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (stream dry during first visit), no fall spawning habitat as stream was dry, adjust window if fish present on second survey, all fish to be salvaged if present	4
288.8	144	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
289.2	143z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
291.0	143zz	Unnamed	W2	TBD	LKC	L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	non-salmonids only	4
291.6	143	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
291.9	142A	Unnamed	S4	Yes	LKC	L/M	H	L	M	Flow Isolation	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section had no salmonids, no spawning habitat at or downstream of the ROW, all fish to be salvaged if present	4
292.1	142	Unnamed	TBD	TBD		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (no fish during first visit), no spawning habitat, all fish to be salvaged if present	4
294.7	141y	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
297.5	141	Endako River	S1	Yes	CH, WSU, LSU, RSC, UN cyprinid (observed MW)	L	H	H	H	HDD	Flow Isolation	use existing bridge	use existing bridge	Jun 15 - Jul 15	Jun 15 - Jul 15	Open for HDD, Oct 1 - Aug 15 for instream work	window based on CH migration for an endangered stock, spawning occurs many kilometers upstream and there is no spawning habitat within the zone of influence	1
300.7	140N	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
304.4	134	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
305.1	133	Stern Creek	S2	Yes	RB	M/H	H	H	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window	3
306.2	132	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
307.0	131	Unnamed	S6	No		N	N	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
309.5	130	Unnamed	S6	No		N	N	N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
309.5	129	Unnamed	NCD	No		N	N	N	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
312.2	128	Unnamed	NCD	No		L	L	L	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
313.3	127z	Unnamed	NCD	No		N	L	N	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
313.8	127N	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
314.6	126AN	Unnamed	NCD	No		L/N	L/N	L/N	L/N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
314.9	126N	Ormond Creek (Alias Canyon Creek)	S2	Yes	RB	M/H	H	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, CH recorded in system, based on field assessment there is no anadromous access to this portion of stream	2
316.9	123 & 124	Unnamed	W3	No		L	L	L	L	Open Cut with Sediment Control	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Culvert	Open	Open	Open	Non-fish bearing	4
317.4	122	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
317.7	121	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
318.0	120	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
318.3	119	Unnamed	S6	No		M	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
318.6	118	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
319.0	117	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
319.2	116B	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
319.3	116A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
319.4	116	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
319.5	115	Unnamed	S6	No		M	H	L	L/M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
319.7	114A	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
319.9	114	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
320.9	113	Unnamed	S6	No		M	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
321.8	112A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
323.0	112	Unnamed	S6	No		L/M	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
323.8	111	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
324.7	110	Unnamed	W4	No		L	L	L	L	Open Cut	Open Cut with Sediment Control	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
325.3	109	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
326.6	108	Dog Creek	S3	Yes	RB	H	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, excellent spawning habitat, all fish to be salvaged if present	2
326.6	107	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
329.8	106	Unnamed	S6	No		L	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
330.2	105	Unnamed	S3	Yes	RB	L	M	L	L/M	Flow Isolation	Flow Isolation	Ford	Culvert	Jul 15 - Apr 15	Jul 15 - Apr 15	Open	no spawning habitat and poor rearing habitat, all fish to be salvaged if present	4
330.6	104	Tatsutnai Creek	S2	Yes	RB	M	H	M	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window	3
330.8	103	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
331.6	102	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
332.1	101	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
334.3	100	Nine Mile Creek	S2	Yes	RB, CH	H	H	H	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Aug 15	No Window Available	Jul 15 - Sep 30	RB and CH recorded in this section with good spawning habitat available, no overlap in life history or window, best to permit RB incubation and then preclude CH from spawning within the zone of influence	1
335.0	99	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
336.0	98	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
336.0	97	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
336.4	96	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
337.0	95	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
338.3	94	Unnamed	S2	Yes	RB	M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window	3
340.2	93	Kluk Creek	S2	Yes	RB, CH	M	H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Aug 15	No Window Available	Jul 15 - Apr 15	window based on provincial RB window, CH recorded in system, assume CH do not spawn in this portion of stream	2
340.6	92	Unnamed	S6	No		L	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
341.4	91	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
341.7	90a	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
341.8	90	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
341.9	89	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
342.1	88	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
342.2	87	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
343.3	86	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
343.6	85	Halsey Creek	S3	Yes	RB	M	H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, all fish to salvaged if present	3
345.8	84	Unnamed	S5	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
346.8	83	Unnamed	W2	Yes	LSU	L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	no spawning habitat and poor rearing habitat, no salmonids present, all fish to be salvaged if present	4
347.1	82	Trankle Creek	S3	Yes	RB	L/M	M/H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, RB spawning unlikely at crossing, all fish to be salvaged if present	3
347.2	81	Unnamed	W4	No		N	N	N	N	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Swamp Mats	Open	Open	Open	Non-fish bearing	4
349.6	80N	Redmond Creek	S6	No		L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
349.8	79A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
350.7	79	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
350.7	78	Unnamed	S6	No		L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
351.0	77	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
351.6	76	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
352.4	75	Unnamed	S6	No		L	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	Open	Open	Open	Non-fish bearing	4
354.2	74	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
355.9	73B	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
355.9	73A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
356.8	73	Clear Creek	S3 (W1 at ROW)	Yes	RB, LKC	M	H	M	L/M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, RB spawning unlikely at crossing	3
357.0	72	Unnamed wetland	W2	No		L	M	L	L	Open Cut with Sediment Control	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
357.2	71Z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
358.0	71	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
359.5	70	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
361.8	69N	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
362.7	68	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
364.4	67	Unnamed wetland	W1	No		M	M/H	M	M	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
365.5	66	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
366.6	65	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
367.5	64	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
368.4	63	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
369.0	62A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
370.1	62	QH Creek	S3	Yes	RB	M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, CH recorded in system, assume CH do not spawn in this portion of stream, all fish to be salvaged if present	2
371.4	61A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
372.3	61	Unnamed channel	S3	Yes	RB	M	H	L	H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, all fish to salvaged if present	3
373.6	58	Unnamed wetland	W2	No		L	M	L	L	Open Cut	Open Cut with Sediment Control	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
373.8	57	Unnamed wetland	W1	No		L	M	L	L	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
374.0	56A	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
374.2	56	Unnamed wetland	W2	No		L	M	L	L	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
375.1	55	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
375.5	54	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
375.9	53A	Unnamed wetland / NCD	W1	No		L	M	L	L	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
376.4	53N	Breadalbane Creek	S3	Yes	RB, UN	L/M	M	L	L/M	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, CH recorded in system, assume CH do not spawn in this portion of stream, all fish to salvaged if present	2
376.7	52AN	Unnamed	S6	No		L/N	L	L/N	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
377.3	52N	Unnamed	S6	No		L/N	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
380.4	49AN	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
381.2	49	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
382.0	48	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
383.6	47	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
383.8	46B	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
384.2	46A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
384.4	46	Welch Creek	S6	No		L	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
388.9	44	Stuart River	S1	Yes	NSC, CSU, RSC, RB, CAS, WSU, CH, MW, LDC, *WS, SK*	L	H	H	H	HDD	Open Cut	use existing bridge	use existing bridge	Jul 15 - Aug 15	No Window Available	Open for HDD, Sep 1 - Oct 31 for open cut	depth and flows preclude isolation, window for open cut is aimed at avoiding sockeye runs to the Stuart while targeting lower flows in the open water season, lowest flows are in the winter but prefer to avoid this timing re endangered white sturgeon	1
389.2	43Z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
389.9	43	Unnamed	S6	No		L	L/M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
389.9	42Z	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
390.3	42Y	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
392.5	42A	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
392.7	42	Unnamed	W2	No		L	M	L	M	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
392.8	41	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
394.0	40	Unnamed	S6	No		L/M	M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
395.0	39	Unnamed	W2	No		L	M	L	M	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
397.0	36N	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
399.6	35N	Chinohchey Creek	S2	Yes	RB, SU	M	H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, CH recorded in system, assume CH rear but do not spawn in this portion of stream	2
401.4	34N	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
405.3	32	Unnamed	S6	No		L/M	M	L	M	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
407.4	31	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
409.9	30	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
412.9	29	Unnamed	W1	No		L	M	L	M	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
416.1	28	Unnamed	W1	No		L	L	L	L	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
417.0	27N	Unnamed	S3	Yes	RB	L/M	M	L	M/H	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, all fish to salvaged if present	3
419.2	26N	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
422.9	25N	Unnamed channel	TBD	TBD		L/M	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (no fish during first visit), ephemeral flow, minimal spawning habitat, all fish to be salvaged if present, window may require adjustment if fish present on second visit	4
424.8	24N	Crocker Creek	S2	Yes	RB, UN	L/M	H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	window based on provincial RB window, assume BB rear but do not spawn in this stream	3
425.5	23N	Crocker Creek	S2	Yes	RB, RSC, BB	L/M	M/H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Jan 15		Jul 15 - Apr 15	window based on provincial RB window, assume BB rear but do not spawn in this stream	2
427.2	22N	Unnamed	TBD	No (gradient >30%)		L	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	there has been no survey on this stream, but gradient is >30%	4
427.3	21N	Unnamed	S3	Yes	LKC	L	M	L	L	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	no spawning habitat and poor to moderate rearing habitat, no salmonids present, all fish to be salvaged if present	4
429.7	20AN	Unnamed	TBD	TBD		L/M	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	stream section may be NFB (no fish during first visit), ephemeral flow, minimal spawning habitat, all fish to be salvaged if present, window may require adjustment if fish present on second visit	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					
430.3	20N	Salmon River	S1	Yes	MW, RB, BB, LNC, CCG, WSU, CH, SK on redd	H	H	H	H	Flow Isolation	Flow Isolation	use existing bridge	use existing bridge	Jul 15 - Aug 15	No Window Available	Jul 15 - Oct 31	instream window based on RB and MW, chinook spawn in this system but based on HSI curves spawning is unlikely to occur here	1
432.3	19	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
432.5	18A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
432.8	18	Unnamed	NVC	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel	4
433.8	17	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
434.1	16	Unnamed	S3	Yes	BMC, LKC, UN juvenile suckers	L	M	L	L	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Open	Open	Open	no spawning habitat, no salmonids present, all fish to be salvaged if present	4
434.3	15z	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
437.5	15	Unnamed	W2	No		L	L	L	L	Open Cut	Open Cut with Sediment Control	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	Non-fish bearing	4
437.9	14	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
439.6	13A	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
440.3	13	Unnamed	S3	Yes	RB, CH, BMC	L	H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Aug 15	Jul 15 - Apr 15	Open	no spawning habitat, all fish to be salvaged if present	4
441.2	12	Salmon River	S1	Yes	MW, CH, WSU, SK	H	H	H	H	Flow Isolation	Flow Isolation	use existing bridge	use existing bridge	Jun 15 - Jul 15	Jun 15 - Jul 15	Jul 15 - Oct 31	instream window based on RB and MW, chinook spawn in this system but based on HSI curves spawning is unlikely to occur here	1
441.9	11	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
443.5	10B	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
444.0	10A	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
445.3	10	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
446.0	9A	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
446.4	9	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
447.2	8	Unnamed	W1	Yes	BMC, LKC	L	M	M	L	Open Cut with Sediment Control	Isolate	Swamp Mats or Rip Rap	Ice Bridge	Open	Open	Open	no spawning habitat, no salmonids present, all fish to be salvaged if present	4
448.0	7A	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
449.2	7	Salmon River	S1	Yes	LNC, LDC, WSU, LSU, BB, RB, MW	M/H	H	H	H	Flow Isolation	Flow Isolation	use existing bridge	use existing bridge	Jul 15 - Sep 15	Jul 15 - Sep 15	Jul 15 - Oct 31	instream window based on RB and MW, chinook spawn in this system but based on HSI curves spawning is unlikely to occur here	1
449.6	6N	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
450.1	RA5b	Unnamed	S3	Yes	MW, LSU, WSU	L	M	L	M	Flow Isolation	Flow Isolation	Ford	Culvert	Jun 1 - Sep 15	Jun 1 - Sep 15	Open	window based on lack of spawning habitat, assumed rearing only, all fish to be salvaged if present	4
450.7	RA5a	Unnamed	TBD	TBD		L	L/M	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert	TBD	TBD	Open	no fish present based on first visit, window based on lack of spawning habitat, all fish to be salvaged if present	4
452.4	4z	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
453.0	4A	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
455.0	4	Balsam Creek	S3	Yes	BMC	L	L	L	L	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	no spawning habitat, no salmonids present, all fish to be salvaged if present	4
455.6	3B	Unnamed	NCD	No		L	L	L	L	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
455.7	3A	Unnamed	S6	No		L	L	L	L	Open Cut with Sediment Control	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing	4
455.8	3	Echo Creek	S2	Yes	RB, LSU, PCC	M	M/H	L	M	Flow Isolation	Flow Isolation	Open Bottom Structure	Clearspan Bridge	Jul 15 - Apr 15	Jul 15 - Apr 15	Jul 15 - Apr 15	use provincial window based on RB, all fish to be salvaged if present	3
458.7	2	Thorps Creek	S4	Yes	BMC, NSC	L	L	L	L	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	no spawning habitat and poor rearing habitat, no salmonids present, all fish to be salvaged if present	4
459.5	1C	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
460.3	1B	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
461.2	1A	Unnamed	NCD	No		N	N	N	N	Open Cut	Open Cut	Ford	Culvert or Ice Bridge	Open	Open	Open	Non-fish bearing, no defined channel into or out of this water feature	4
461.6	1	Miller Creek	S3	Yes	BMC, NSC	L	M	L	L	Flow Isolation	Flow Isolation	Ford	Culvert or Ice Bridge	Open	Open	Open	no spawning habitat and poor rearing habitat, no salmonids present, all fish to be salvaged if present	4

Table 6.3-3 Crossings for Watercourses on the Pipeline Route

KP	ID	Waterbody Name	Class	Fish-bearing	Species Present	Habitat Potential				Pipeline Crossing		Vehicle Crossing		MOE Instream Work Window	DFO Instream Work Window	Proposed Instream Work Window	Rationale for Proposed Work Window	Priority for Crossing within Work Window
						Spawn	Rear	Winter	Migr	Primary	Contingency	Primary	Contingency					

Class:

S 1 Fish Bearing, > 20 m average channel width
S 2 Fish Bearing, >5 m ≤ 20 m average channel width
S 3 Fish Bearing, > 1.5 m ≤ 5 m average channel width
S 4 Fish Bearing, ≤ 1.5 m average channel width
S 5 Non Fish Bearing, > 3 m average channel width
S 6 Non Fish Bearing, < 3 m average channel width
W1 -W4 Simple Wetlands
W5 = Wetland Complex
NCD = Non Classified Drainage; a watercourse with a continuous channel less than 100 m in length and no direct or indirect fisheries potential.
NVC = No Visible Channel; no visible bed or banks and no direct or indirect fisheries potential.
TBD = to be determined

Habitat Potential:

N = None
L = Low
M = Medium
H = High

Species:

	Provincial Code
Burbot	BB
Brassy Minnow	BMC
Bridgelip Sucker	BSU
Prickly Sculpin	CAS
General Sculpin	CC
Slimy Sculpin	CCG
Coastal Cutthroat Trout	CCT
Chinook Salmon	CH
Chum Salmon	CM
Coho Salmon	CO
Largescale Sucker	CSU
Cutthroat Trout	CT
Dolly Varden	DV
Leopard Dace	LDC
Lake Chub	LKC
Longnose Dace	LNC
Longnose Sucker	LSU
Mountain Whitefish	MW
Northern Squawfish	NSC
Peamouth Chub	PCC
Pink Salmon	PK
Pacific Lamprey	PL
Rainbow Trout	RB
Redside Shiner	RSC
Sockeye Salmon	SK
Steelhead	ST
Unknown Sucker	SU
Unknown trout	TR
Threespine Stickleback	TSB
Unknown species	UN
White Sucker	WSU