



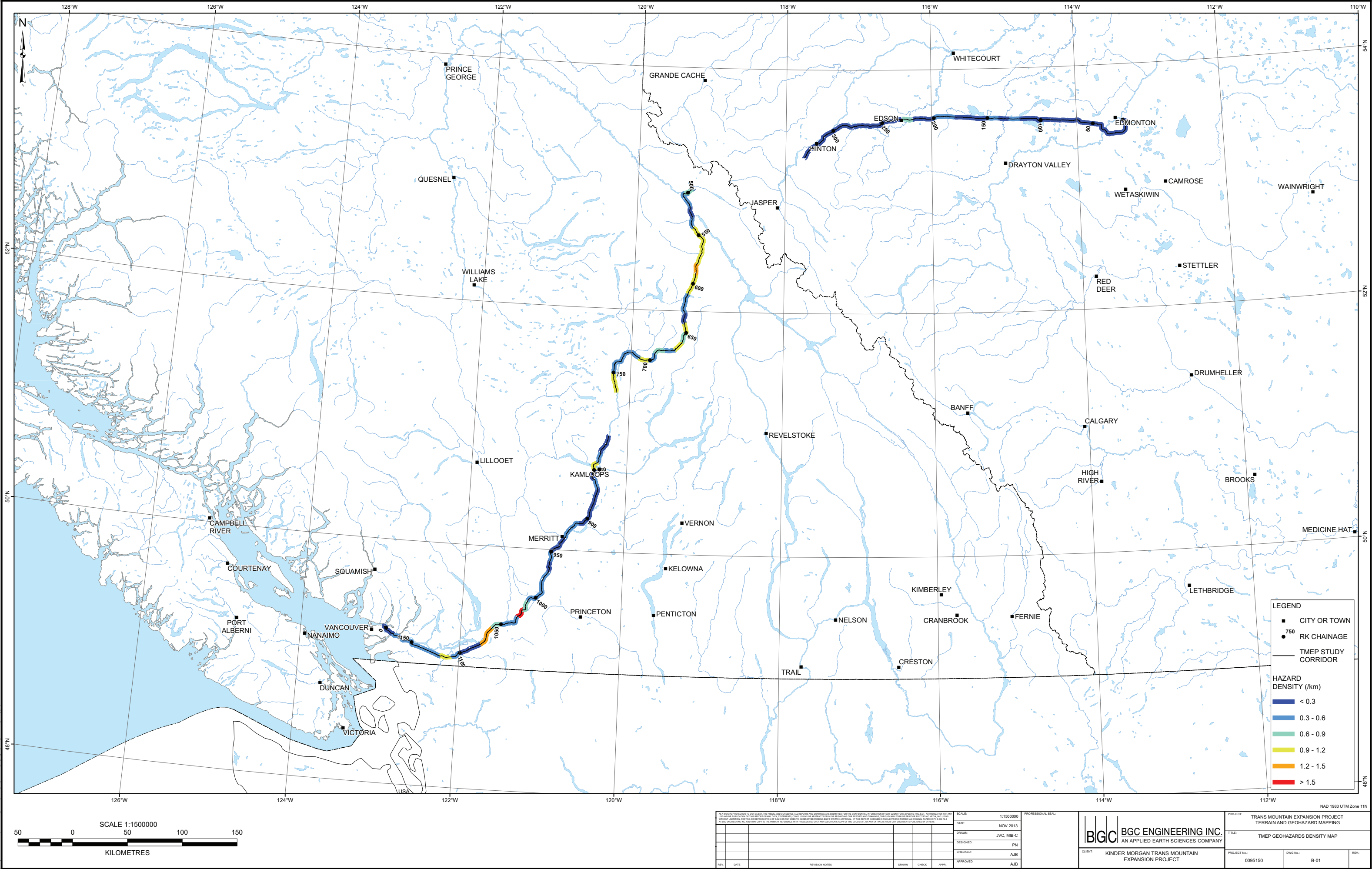
NOTES:

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH BGC'S REPORT TITLED "TERRAIN MAPPING AND GEOHAZARD INVENTORY REVISION 1," AND DATED AUGUST 2014.
- BASE TOPOGRAPHIC DATA BASED ON A 1:50,000 DEM PROVIDED BY GEOBASE. CONTOUR INTERVAL IS 10 m.
- PROJECTION IS KMC.
- SMALL MAGNITUDE GEOHAZARDS EXIST (E.G. LOCALIZED ROCKFALL) THAT WERE TOO SMALL TO MAP.
- ARROWED LANDSLIDE PATHS SHOW GENERAL SLIDE TRAJECTORIES. THEY DO NOT SHOW HAZARD EXTENTS. PATH ARROWS EXTEND INTO THE GENERAL RUNOUT ZONE BUT DO NOT REPRESENT THE MAXIMUM RUNOUT LIMIT.
- LANDSLIDE HAZARD EXTENTS ARE SHOWN BY SHADED POLYGONS. THEY SHOW EXISTING LANDSLIDE HAZARD INITIATION ZONE AND RUNOUT AREAS. POLYGON BOUNDARIES SHOULD BE REGARDED AS TRANSITIONS, NOT SHARP BOUNDARIES.
- THIS MAP IS A SNAPSHOT IN TIME. CHANGES IN LAND USE (E.G. DEVELOPMENT, RIVER MIGRATION) MAY WARRANT RE-DRAWING OF CERTAIN AREAS.
- PIPELINE CENTERLINE PROVIDED BY UPI LTD (VERSION 6), DATED AUGUST 20, 2013.
- FOR A FULL EXPLANATION OF THE TERRAIN MAPPING TERMS AND SYMBOLS, PLEASE SEE THE COMPLETE LEGEND ON DRAWING 00-2.
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SCALE:	1:50,000	 BGC ENGINEERING INC. AN APPLIED EARTH SCIENCES COMPANY	PROJECT: TRANS-MOUNTAIN EXPANSION PROJECT	
DATE:	AUG 2014		TITLE: TERRAIN MAPPING AND GEOHAZARD INVENTORY REVISION 1 MAP NUMBER 54 OF 54	
DRAWN:	JVC, IL		PROJECT No.: 009150	DWG No.: 54
CHECKED:	BW			
APPROVED:	AB	 TRANSMOUNTAIN		

APPENDIX B

NATURAL HAZARDS SUMMARY TABLE



ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
1	24.1	24.2	Avulsion	Blackmud Creek	Potential for formation of new channels and erosion	Avu	Eastern Alberta Plains
2	24.1	24.2	Scour	Blackmud Creek	Potential for bank erosion and scour of channel bed	Sc	Eastern Alberta Plains
3	27.6	28	Scour	Whitemud River	Potential for bank erosion and scour of channel bed	Sc	Eastern Alberta Plains
4	33.4	33.6	Scour	North Saskatchewan River	Potential for bank erosion and scour of channel bed	Sc	Eastern Alberta Plains
5	33.4	33.6	Flooding	North Saskatchewan River	Proximity to river and inundation	U	Eastern Alberta Plains
6	36.8	37.1	Scour	Wedgewood Creek	Potential for bank erosion and scour of channel bed	Sc	Eastern Alberta Plains
7	40.4	40.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
8	46.4	46.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
9	56.6	56.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
10	62.9	63	Scour	Atim Creek	Potential for scour of channel bed	Sc	Eastern Alberta Plains
11	82.5	82.6	Scour	Kilini Creek	Potential for scour of channel bed	Sc	Eastern Alberta Plains
12	84.3	84.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
13	90.1	90.2	Scour	Mink Creek North	Potential for scour of channel bed	Sc	Eastern Alberta Plains
14	93.6	93.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
15	94.5	94.6	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
16	105.2	105.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
17	108.5	108.6	Slow Earth Slide	Wabamun Creek East	Potential for small slide on steep slope	Avu	Eastern Alberta Plains
18	108.9	109	Scour	Wabamun Creek West	Potential for scour of channel bed	Sc	Eastern Alberta Plains
19	113.3	113.35	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Eastern Alberta Plains
20	113.7	113.75	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Eastern Alberta Plains
21	118	118.1	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Eastern Alberta Plains
22	126.1	126.2	Scour	Magnolia Creek	Potential for scour of channel bed	Sc	Eastern Alberta Plains
23	126.8	126.9	Flooding	Sturgeon River	Potential for inundation and saturation of soil	U	Eastern Alberta Plains
24	126.8	126.9	Scour	Sturgeon River	Potential for bank erosion and scour of channel bed	Sc	Eastern Alberta Plains
25	126.8	126.9	Avulsion	Sturgeon River	Potential for formation of new channels and erosion	Avu	Eastern Alberta Plains
26	134.9	135.1	Scour	Pembina River	Potential for bank erosion and scour of channel bed, steep eroded surface on east side of river	Sc	Western Alberta Plains
27	135.4	135.6	Slow Earth Slide	Pembina River	Potential for small slide on steep slope	Fs	Western Alberta Plains
28	141.2	141.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
29	142.4	142.45	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
30	146	146.05	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
31	146.2	146.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
32	152	152.1	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
33	156.5	156.6	Scour	Scorpion Creek East	Potential for scour of channel bed	Sc	Western Alberta Plains
34	157	157.05	Scour	Sunset Meadows Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
35	164.1	164.15	Scour	Unnamed Creek	Potential for scour of channel bed, beaver dam present in 2012	Sc	Western Alberta Plains
36	167.6	167.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
37	168.15	168.2	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
38	170.1	170.2	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
39	173.6	173.7	Avulsion	Little Brule Creek	Potential for formation of new channels and erosion	Avu	Western Alberta Plains

ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
40	178.9	179	Scour	Brule Creek East	Potential for bank erosion and scour of channel bed, beaver dam present in 2012	Sc	Western Alberta Plains
41	180.8	181	Flooding	Brule Creek	Potential for inundation and saturation of soil	U	Western Alberta Plains
42	180.8	181	Avulsion	Brule Creek	Potential for formation of new channels and erosion	Avu	Western Alberta Plains
43	180.9	181	Scour	Brule Creek	Potential for bank erosion and scour of channel bed	Sc	Western Alberta Plains
44	181.4	181.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
45	185.3	185.4	Scour	Lobstick Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
46	192.7	192.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
47	193.1	193.2	Scour	Carrot Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
48	198.8	198.9	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
49	199.8	199.9	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
50	202.7	202.8	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
51	207	207.1	Scour	January Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
52	220	221	Avulsion	Wolf Creek	Potential for formation of new channels and erosion	Avu	Western Alberta Plains
53	220	221	Flooding	Wolf Creek	Potential for inundation and saturation of soil	U	Western Alberta Plains
54	220.6	220.7	Scour	Wolf Creek	Potential for bank erosion and scour of channel bed	Sc	Western Alberta Plains
55	223.7	224	Scour	McLeod River	Potential for bank erosion and scour of channel bed	Sc	Western Alberta Plains
56	223.9	224.2	Erosion	McLeod River	Potential for erosion due to exposed ground.	Er	Western Alberta Plains
57	227.5	227.6	Scour	Edson River	Potential for scour of channel bed	Sc	Western Alberta Plains
58	229.2	229.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
59	232.3	232.35	Scour	Wose Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
60	236.6	236.7	Scour	Bench Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
61	245.2	245.3	Scour	Little Sundance River	Potential for scour of channel bed	Sc	Western Alberta Plains
62	248	248.1	Avulsion	Sundance Creek	Potential for formation of new channels and erosion	Avu	Western Alberta Plains
63	249	249.1	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
64	255.8	255.9	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Western Alberta Plains
65	257.8	257.9	Avulsion	Whitemud Creek	Potential for formation of new channels and erosion	Avu	Western Alberta Plains
66	260	260.2	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Western Alberta Plains
67	269.5	269.7	Scour	Sucker Creek	Potential for bank erosion and scour of channel bed	Sc	Southern Alberta Uplands
68	288.9	289	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Southern Alberta Uplands
69	291.9	292	Scour	Rooster Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands
70	295.3	295.4	Scour	Ponoka Creek	Potential for bank erosion and scour of channel bed	Sc	Southern Alberta Uplands
71	298.3	298.4	Scour	Steep Trek Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands
72	302.4	302.5	Scour	Sandstone Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands
73	304.6	304.7	Scour	Hunt Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands
74	308.2	309	Scour	Trail Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands
75	319.9	319.9	Scour	Hardisty Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands
76	322.4	322.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Southern Alberta Uplands
77	327.65	327.7	Scour	Maskuta Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands
78	333.6	333.7	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Southern Alberta Uplands

ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
79	489.6	490.8	Rockfall	Mount Robson	Potential for rockfall from steep slope above, however distance from toe of slope is significant	Rb	Rocky Mountains
80	491.4	491.7	Debris Flows	Marathon Creek debris flow	Initiation from upper hillside, small creeks noted and forestry above	Rd	Rocky Mountains
81	491.8	491.9	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Rocky Mountains
82	495.3	495.35	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Rocky Mountains
83	495.9	496	Scour	Terry Fox Creek	Potential for scour of channel bed	Sc	Rocky Mountains
84	496.7	496.8	Scour	Fraser River #1	Potential for bank erosion and scour of channel bed	Sc	Rocky Mountains
85	499.9	500	Scour	Baer Creek	Potential for scour of channel bed	Sc	Rocky Mountains
86	501	503	Debris Flows		Initiation from upper hillside, small creeks noted and forestry above	Rd	Rocky Mountains
87	507.7	507.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Rocky Mountain Trench
88	507.7	507.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Rocky Mountain Trench
89	507.7	517.4	Historic Faults		Approximate location of numerous potential historical geological discontinuity and/or fault	Ss	Rocky Mountain Trench
90	514.3	514.35	Scour	Hogan Creek	Potential for scour of channel bed	Sc	Rocky Mountain Trench
91	515.5	515.55	Scour	Teepee Creek 3	Potential for scour of channel bed	Sc	Rocky Mountain Trench
92	518.6	518.65	Scour	Crooked Creek	Potential for scour of channel bed	Sc	Rocky Mountain Trench
93	522.5	522.6	Scour	Swift Creek	Potential for bank erosion and scour of channel bed	Sc	Rocky Mountain Trench
94	530.2	530.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
95	531.2	531.3	Scour	Canoe River	Potential for scour of channel bed	Sc	Columbia Mountains
96	532	532.1	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
97	532.3	532.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
98	534.4	534.5	Scour	Camp Creek 1	Potential for scour of channel bed	Sc	Columbia Mountains
99	542.8	542.9	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Columbia Mountains
100	543	544	Debris Flows		Initiation from upper hillside, corridor in depositional zone	Rd	Columbia Mountains
101	543.2	543.3	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Columbia Mountains
102	544.2	544.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
103	545.2	545.3	Avulsion	Camp Creek 2	Potential for formation of new channels and erosion	Avu	Columbia Mountains
104	545.2	545.3	Scour	Camp Creek 2	Potential for bank erosion and scour of channel bed	Sc	Columbia Mountains
105	545.7	545.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
106	547.6	547.7	Scour	Camp Creek 3	Potential for bank erosion and scour of channel bed	Sc	Columbia Mountains
107	550	556	Sackung		Potential for sackung which could result in material reaching the corridor. Historic instances noted high on valley slope.	Fk	Columbia Mountains
108	550.6	550.7	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Columbia Mountains
109	551.5	551.6	Scour	Deadfall Creek	Potential for scour of channel bed	Sc	Columbia Mountains
110	552.2	552.3	Scour	Albreda River 0	Potential for scour of channel bed	Sc	Columbia Mountains
111	552.4	553.1	Debris Flows	Robina Creek Debris Flow	Initiation from upper hillside, corridor in depositional zone. Small depostion quantity noted.	Rd	Columbia Mountains
112	555.6	555.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
113	556.2	556.3	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Columbia Mountains
114	556.4	557	Flooding		Potential for inundation and saturation of soil	U	Columbia Mountains
115	558.4	558.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains

ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
116	558.9	559	Scour	Clemina Creek	Potential for bank erosion and scour of channel bed. Debris (logs) has been noted in large creek.	Sc	Columbia Mountains
117	559.4	559.5	Scour	Dora Creek	Potential for scour of channel bed	Sc	Columbia Mountains
118	560.7	580.4	Soil Ravelling (cut slope)	North Thompson Valley	High erodible slopes when exposed during construction	Sr	Columbia Mountains
119	560.7	580.4	Rapid Earth Slide	North Thompson Valley	Translational slide moving a moderate to rapid speed	Fe	Columbia Mountains
120	560.8	561.5	Flooding	Albreda River 1	Proximity to river and inundation	U	Columbia Mountains
121	561.1	561.3	Scour	Albreda River 1	Potential for bank erosion and scour of channel bed	Sc	Columbia Mountains
122	562.2	563.2	Flooding	Albreda River 2	Proximity to river and inundation	U	Columbia Mountains
123	563.4	563.5	Scour	Albreda River 2	Potential for bank erosion and scour of channel bed	Sc	Columbia Mountains
124	565	565.8	Debris Flows	Albreda Section	Initiation from upper hillside, corridor in depositional zone	Rd	Columbia Mountains
125	567.5	567.6	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
126	567.7	567.8	Scour	Dominion Creek	Potential for bank erosion and scour of channel bed	Sc	Columbia Mountains
127	567.7	567.8	Debris Flows	Dominion Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Columbia Mountains
128	567.9	568	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
129	568.2	568.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
130	571.4	571.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
131	571.9	572	Scour	Moonbeam Creek	Potential for scour of channel bed	Sc	Columbia Mountains
132	571.9	572	Flooding	Moonbeam Creek	Potential for outburst type flood due to release of stored water	U	Columbia Mountains
133	572.5	572.6	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
134	573.3	573.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
135	573.4	573.7	Debris slide		Potential for debris slide from upper hillside, due to noted presence of historic landslide scarp high on the valley slope	Rs	Columbia Mountains
136	573.6	573.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
137	574.2	574.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
138	575.3	575.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
139	580	581.4	Flooding	North Thompson - Chapelle	Proximity to river and inundation	U	Columbia Mountains
140	581.2	581.4	Scour	North Thompson - Chapelle	Potential for bank erosion and scour of channel bed	Sc	Columbia Mountains
141	581.9	582	Scour	Chapelle Creek	Potential for scour of channel bed	Sc	Columbia Mountains
142	582.9	583.3	Flooding		Proximity to river and inundation	U	Columbia Mountains
143	583.6	583.7	Scour	Amy Creek	Potential for scour of channel bed	Sc	Columbia Mountains
144	584.5	584.8	Slow Earth Slide	Pyramid Creek Slide	Potential deep-seated slow landslide on steep slope	Fs	Columbia Mountains
145	584.8	585	Rapid Earth Slide		Translational slide moving a moderate to rapid speed	Fe	Columbia Mountains
146	585.2	585.3	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Columbia Mountains
147	585.6	585.7	Rapid Earth Slide		Translational slide moving a moderate to rapid speed	Fe	Columbia Mountains
148	585.8	586.2	Scour	Unnamed Creek x 3	Potential for scour of channel bed	Sc	Columbia Mountains
149	586	586.4	Debris Flows	Unnamed Creek x 3	Initiation from upper hillside, corridor in depositional zone	Rs	Columbia Mountains
150	588.2	588.4	Scour	Unnamed Creek x 2	Potential for scour of channel bed	Sc	Columbia Mountains
151	589.8	590.4	Debris Flows	Cermania Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Columbia Mountains
152	592.9	593.4	Debris Floods	Miledge Creek	Initiation from upper hillside, corridor in depositional zone	Ud	Columbia Mountains

ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
153	593.4	593.7	Erosion	North Miledge Hill	Potential for erosion due to exposed ground.	Er	Columbia Mountains
154	593.4	593.7	Debris Slide	North Miledge Hill	Shallow debris failure on steeply incline surfaces	Rs	Columbia Mountains
155	594.3	594.4	Rapid Earth Slide		Translational slide moving a moderate to rapid speed	Fe	Columbia Mountains
156	595.8	595.9	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Columbia Mountains
157	596.4	596.5	Scour	Miguel Creek	Potential for scour of channel bed	Sc	Columbia Mountains
158	596.5	596.6	Scour	Carlos Creek	Potential for scour of channel bed	Sc	Columbia Mountains
159	596.8	596.9	Scour	Fernando Creek	Potential for scour of channel bed	Sc	Columbia Mountains
160	597.7	597.8	Scour	Unnamed Creek x 2	Potential for scour of channel bed	Sc	Columbia Mountains
161	598.4	598.5	Scour	Unnamed Creek x 2	Potential for scour of channel bed	Sc	Columbia Mountains
162	600.2	600.4	Scour	Thunder River	Potential for scour of channel bed	Sc	Columbia Mountains
163	601.8	601.9	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Columbia Mountains
164	603.3	603.4	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Columbia Mountains
165	605.2	605.3	Debris Flows	Whitewater Creek	Initiation from upper hillside, corridor in depositional zone, with potential deposition noted on other side of North Thompson	Rd	Columbia Mountains
166	606.2	606.3	Scour	Redd Creek	Potential for scour of channel bed	Sc	Columbia Mountains
167	606.6	606.7	Scour	Kalter Creek	Potential for scour of channel bed	Sc	Columbia Mountains
168	607.5	607.8	Rockfall		Potential for rockfall from steep slope above	Rb	Columbia Mountains
169	607.5	607.6	Scour	Topp Creek	Potential for scour of channel bed	Sc	Columbia Mountains
170	608.5	614	Flooding	Blue River Area	Proximity to river and inundation	U	Interior Plateau 1
171	609.4	609.5	Scour	Cook Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
172	611.6	611.7	Scour	Cedar Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
173	613.8	613.9	Scour	Blue River	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
174	619.8	620	Scour	North Thompson River 6	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
175	620	624	Flooding	North Thompson River 6	Proximity to river and inundation	U	Interior Plateau 1
176	620.6	620.7	Scour	North Thompson River 6	Bank erosion of North Thompson River hazard	Sc	Interior Plateau 1
177	622.6	623.1	Rockfall		Potential for rockfall from steep slope above, forest growth suggests low occurrence	Rb	Interior Plateau 1
178	626.5	626.6	Scour	Froth Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
179	633.9	634	Debris Flows	Gamble Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 1
180	638.8	638.9	Scour	Finn Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
181	642	643	Sackung		Potential for sackung which could result in material reaching the corridor. Historic instances noted partially up the valley slope.	Fk	Interior Plateau 1
182	642.1	642.4	Debris Flows		Initiation from upper hillside, corridor in depositional zone which is overgrown	Rd	Interior Plateau 1
183	642.3	642.4	Scour	Greyrock Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
184	642.5	642.6	Scour	Blackrock Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
185	642.5	643	Scour	Whiterock Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
186	642.5	642.6	Debris Flows		Initiation from upper hillside, corridor in depositional zone which is overgrown	Rd	Interior Plateau 1
187	642.6	652.4	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
188	643.5	643.7	Rockfall		Potential for rockfall from steep slope above	Rb	Interior Plateau 1
189	645	645.7	Debris Flows		Initiation from upper hillside, corridor in depositional zone which is overgrown	Rd	Interior Plateau 1
190	647.9	648	Scour	Sundt Creek	Potential for scour of channel bed	Sc	Interior Plateau 1

ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
191	648.9	649	Avulsion	Tum Tum Creek	Potential for formation of new channels and erosion	Avu	Interior Plateau 1
192	648.9	649	Scour	Tum Tum Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
193	651.5	651.7	Scour	North Thompson River 7	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
194	652.5	652.6	Scour	Rodney Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
195	656	657	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
196	656	656.1	Scour	Avola Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
197	657.4	659.7	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
198	659.6	659.7	Scour	Rainbow Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
199	661.1	662.5	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
200	662.7	663.5	Debris Flows	Ehlers Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 1
201	663.3	664.3	Flooding	Avola to Raft River	Proximity to river and inundation, although opposite side of highway in this region	U	Interior Plateau 1
202	664	664.8	Debris Flows	Sugar Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 1
203	664.3	664.8	Scour	Sugar Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
204	666.5	666.6	Scour	Bearpaw Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
205	667.7	667.9	Debris Floods		Initiation from upper hillside, corridor in depositional zone	Ud	Interior Plateau 1
206	668.2	668.7	Rockfall	Rockfall 227	Potential for rockfall from steep slope above	Rb	Interior Plateau 1
207	668.2	671.2	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
208	669.5	670.5	Rockfall		Potential for rockfall from steep slope above	Rb	Interior Plateau 1
209	671.2	671.6	Rockfall		Potential for rockfall from steep slope above	Rb	Interior Plateau 1
210	672	672.1	Scour	Ivy Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
211	672	672.1	Debris Flows	Ivy Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 1
212	676	676.1	Scour	Cornet Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
213	683.3	683.6	Debris Flows	Mad Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 1
214	683.3	683.6	Scour	Mad Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
215	683.3	684.1	Rockfall		Potential for rockfall from steep slope above	Rb	Interior Plateau 1
216	684.3	684.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
217	685.8	685.9	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
218	686.4	686.5	Scour	Cove Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
219	688.2	688.3	Scour	Bill Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
220	688.7	688.8	Scour	Blackberg Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
221	690.8	690.9	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
222	691.7	691.8	Scour	Montanna Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
223	696	696.1	ARD		Potential for acid rock drainage and metals leaching, see BGC TMEP Acid Generating Potential project report.	ARD	Interior Plateau 1
224	697.2	697.3	Scour	Johnstone Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
225	700.5	700.6	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
226	701.8	702	Debris Flows	Peavine Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 1
227	702.1	702.2	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
228	702.1	702.2	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
229	704.2	704.3	Debris Flows	Slate Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 1

ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
230	707.6	707.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
231	707.8	707.9	Scour	Crossing Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
232	709.4	709.6	Flooding		Proximity to river and inundation	U	Interior Plateau 1
233	709.8	709.9	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
234	710.8	710.9	Scour	Noblequartz Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
235	715.2	716	Flooding		Proximity to side channel to main river and inundation	U	Interior Plateau 1
236	717.6	717.7	Scour	Raft River	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
237	719.1	719.2	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
238	719.7	719.8	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
239	723.8	723.9	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
240	724.9	725	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
241	724.9	725	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
242	725.5	725.8	Scour	Clearwater River	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
243	731.7	737	Flooding	Clearwater area	Proximity to river and inundation	U	Interior Plateau 1
244	732.1	732.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
245	733.4	733.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
246	735	735.1	Scour	Mann Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
247	735.1	735.2	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
248	737.1	738.4	Erosion		Potential for erosion due to exposed ground and very steep slope.	Er	Interior Plateau 1
249	740.8	741.2	Flooding	Mann Creek to N. Thompson River	Proximity to lake and inundation	U	Interior Plateau 1
250	741.7	749	Historic Faults	Clearwater area	Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
251	747.8	751.8	Flooding	Thompson River	Proximity to river and inundation	U	Interior Plateau 1
252	749.1	749.2	Scour	Lemieux Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
253	749.8	750.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
254	750.9	751.2	Scour	Nahlliston Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 1
255	752.4	752.5	Scour	Eakin Creek	Proximity to river and inundation	Sc	Interior Plateau 1
256	753	753.8	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
257	753.3	753.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
258	756.9	757.1	Rockfall		Potential for rockfall from steep slope above	Rb	Interior Plateau 1
259	757.8	757.9	Scour	Motigny Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
260	758	760.4	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
261	760.8	761.1	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
262	761	761.1	Scour	Thuya Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
263	761.7	761.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 1
264	762.9	763.3	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
265	764.9	765.3	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
266	767.7	769.3	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 1
267	768.2	768.3	Scour	Darlington Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
268	768.5	768.6	Scour	Powder Creek	Potential for scour of channel bed	Sc	Interior Plateau 1
269	811.9	814.3	Flooding	North Thompson River	Proximity to river and inundation	U	Interior Plateau 2

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270	814.4	818.5	Flooding	Blackpines Encroachment	Proximity to river and inundation	U	Interior Plateau 2
271	820.2	821.4	Scour	Jamieson Creek	Potential for scour of channel bed	Sc	Interior Plateau 2
272	828.1	828.2	Scour	Noble Creek	Potential for scour of channel bed	Sc	Interior Plateau 2
273	829	829.1	Scour	McQueen Creek	Potential for scour of channel bed	Sc	Interior Plateau 2
274	836.9	837.1	Debris Slide	Old Pipe Gully	Potential for shallow layer of debris in gully/ravine	RI	Interior Plateau 2
275	837.7	838	Debris Slide	Lac du Bois Gully 1	Potential for shallow layer of debris in gully/ravine	RI	Interior Plateau 2
276	838.6	838.7	Debris Slide	Lac du Bois Gully 2	Potential for shallow layer of debris in gully/ravine	RI	Interior Plateau 2
277	839.5	841	Debris Slide		Region of numerous existing small debris slides and gullying	RI	Interior Plateau 2
278	840.2	841	Rockfall		Steep slopes with rockfall potential in upslope hill	Rb	Interior Plateau 2
279	841.2	841.4	Rockfall		Steep slopes with rockfall potential in upslope hill	Rb	Interior Plateau 2
280	844.4	844.7	Soil Ravelling (cut slope)	Batchelor Hill	Steep slopes with rockfall potential in upslope hill	Sr	Interior Plateau 2
281	846.2	847.4	Flooding	Thompson River	Proximity to river and inundation	U	Interior Plateau 2
282	846.2	847.4	Scour	Thompson River	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
283	846.3	846.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
284	848.1	848.6	Erosion	North Dufferin Hill	Potential for erosion due to exposed ground.	Er	Interior Plateau 2
285	849.6	850	Erosion	South Dufferin Hill	Potential for erosion due to exposed ground.	Er	Interior Plateau 2
286	850	850.1	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
287	853.7	853.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
288	863.3	863.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
289	868.9	869.1	Scour	Sommerville Creek	Potential for scour of channel bed	Sc	Interior Plateau 2
290	868.9	869.1	Slow Earth Slide	Sommerville Creek	Potential slow landslide on slope	Fs	Interior Plateau 2
291	868.9	869.1	Erosion		Potential for erosion due to exposed ground.	Er	Interior Plateau 2
292	874.7	874.8	Scour	Dropping Water Creek	Potential for scour of channel bed	Sc	Interior Plateau 2
293	878	878.1	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
294	893.2	893.3	Scour	Moore Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
295	893.3	893.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
296	900.7	900.8	Debris Flows	Rock Gulch	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 2
297	903.6	903.8	Scour	Klup Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
298	914.2	916	Erosion	Kirby slope	Potential for erosion due to exposed ground. Slopes have shown historic erosion in this area	Er	Interior Plateau 2
299	914.6	914.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
300	916.3	916.5	Scour	Clapperton Creek	Potential for scour of channel bed, banks are stable	Sc	Interior Plateau 2
301	916.4	916.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
302	917.8	917.9	Scour	Shuta Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
303	921.4	921.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
304	928.2	928.7	Scour	Nicola River	Large river with otential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
305	928.2	928.7	Avulsion		Potential for formation of new channels and erosion	Avu	Interior Plateau 2
306	928.3	928.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
307	930	930.1	Scour	Joeyaska Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
308	931.4	931.5	Scour	Godey Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2

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309	948.1	948.2	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
310	948.8	948.9	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
311	949.6	949.7	Debris Floods	Salem Gravel Pit	Initiation from upper hillside shallow slope, corridor in depositional zone	Ud	Interior Plateau 2
312	953.3	953.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
313	957.4	958.8	Flooding	Clearwater River	Proximity to river and inundation	U	Interior Plateau 2
314	958.2	958.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
315	958.5	958.8	Debris Flows	Clearwater River	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 2
316	960.9	961	Scour	Unnamed Creek	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
317	961.5	961.6	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
318	963.7	963.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
319	970.5	971.6	Scour	Coldwater River 2	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
320	972.6	972.8	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
321	972.6	972.9	Erosion		Corridor cuts down steep slope resulting in potential erosion	Er	Interior Plateau 2
322	973.2	973.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Interior Plateau 2
323	973.6	973.8	Debris Slide		Potential for debris slide and erosion below corridor	RI	Interior Plateau 2
324	973.8	974	Debris Flows	Clearwater 2	Initiation from upper hillside, corridor in depositional zone	Rd	Interior Plateau 2
325	980.4	980.5	Scour	Clearwater 3	Potential for bank erosion and scour of channel bed	Sc	Interior Plateau 2
326	981.15	981.2	Scour	Juliet Creek	Potential for scour of channel bed	Sc	Interior Plateau 2
327	984.5	984.8	Rockfall		Potential for rockfall from steep slope above	Rb	Interior Plateau 2
328	987.3	987.6	Scour	Unnamed Creek	Potential for scour of channel bed	Sc	Interior Plateau 2
329	990.3	990.5	Scour	Clearwater River 4	Potential for scour of channel bed	Sc	Interior Plateau 2
330	996.4	996.7	Rockfall	Dry Gulch	Potential for rockfall from steep slopes on valley sidewalls to collect in valley bottom	Rb	Cascade Mountains
331	999	1013.5	Snow Avalanche	Coquihalla Summit area	Potential for large various sized snow avalanches inititated from the upper hillside	A	Cascade Mountains
332	999.3	999.4	Historic Faults	Coquihalla Summit area	Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
333	1000	1002.5	Rapid Rock Slide	Coquihalla Summit area	Potential for a rock slide to be initiated in the upper hillside	Fr	Cascade Mountains
334	1002.5	1003	Rapid Rock Slide	Markhor Peak	Potential for a rock slide to be initiated in the upper hillside	Fr	Cascade Mountains
335	1005.2	1005.4	Rockfall	Coquihalla Summit area	Potential for rockfall from steep slope above	Rb	Cascade Mountains
336	1007.7	1008.3	Debris Flows	Coquihalla Summit area	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
337	1008.2	1008.35	Debris Flows	Coquihalla Summit area	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
338	1010.6	1013.7	Rockfall		Potential for rockfall from steep slope above	Rb	Cascade Mountains
339	1015.2	1018.2	Erosion		Potential due to steep slope and exposed ground	Er	Cascade Mountains
340	1018.9	1019.6	Erosion		Potential due to steep slope and exposed ground	Er	Cascade Mountains
341	1019.3	1019.4	Debris Flows	Schylock Creek 1	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
342	1020	1035	Flooding	Coquihalla Area	Proximity to river and inundation	U	Cascade Mountains
343	1020	1020.4	Rockfall		Potential for rockfall from slope above	Rb	Cascade Mountains
344	1020	1020.4	Scour		Potential for bank erosion and undercutting	Sc	Cascade Mountains
345	1020.7	1020.8	Scour	Ladner Creek	Potential for scour of channel bed	Sc	Cascade Mountains
346	1020.7	1021	Rockfall		Potential for rockfall from slope above	Rb	Cascade Mountains
347	1021.5	1021.6	Scour	Carolin Creek	Promity to river is potential for bank erosion	Sc	Cascade Mountains

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348	1021.8	1022	Scour	Coquihalla River	Promity to river is potential for bank erosion	Sc	Cascade Mountains
349	1022.1	1022.2	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
350	1022.1	1022.2	Scour	Coquihalla River	Potential for scour of channel bed	Sc	Cascade Mountains
351	1023.2	1023.4	Scour	Siwash Creek	Potential for scour of channel bed	Sc	Cascade Mountains
352	1024	1024.1	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
353	1024.2	1024.6	Debris Flows		Fan deposition zone from upper hillside initiation area	Rd	Cascade Mountains
354	1026.4	1026.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
355	1026.7	1029	Rockfall		Potential for large sized rock fall from steep slope above	Rb	Cascade Mountains
356	1026.8	1027	Scour	Coquihalla River	Large River crossing. Potential for scour of channel bed.	Sc	Cascade Mountains
357	1029.4	1029.7	Scour	Coquihalla 14	Potential for scour of channel bed	Sc	Cascade Mountains
358	1029.8	1030.8	Rockfall		Rockfall due near vertical rock face tight to highway	Rb	Cascade Mountains
359	1033.6	1033.8	Debris Flows		Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
360	1033.6	1033.9	Scour	Coquihalla 15	Potential for scour of channel bed	Sc	Cascade Mountains
361	1037.6	1037.8	Flooding		Proximity to river and inundation	U	Cascade Mountains
362	1043.3	1043.9	Scour	Coquihalla River	Large river with potential for bank erosion and scour	Sc	Cascade Mountains
363	1044.2	1045.5	Debris Floods	Charles/Ryan Debris Slide	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
364	1047.4	1047.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
365	1047.7	1047.8	Debris Floods	Silverhope Creek	Initiation from upper hillside, corridor in depositional zone	Ud	Cascade Mountains
366	1047.7	1047.8	Scour	Silverhope Creek	Potential for scour of bed	Sc	Cascade Mountains
367	1051.8	1052.2	Debris Flows	Chawuthen Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
368	1052	1052.5	Rockfall		Rock cut slope needed	Rb	Cascade Mountains
369	1053.2	1053.8	Debris Flows	Two Fan Debris Fans 1 and 2	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
370	1054	1055.1	Rockfall		Rockfall due to vertical rock face tight to highway	Rb	Cascade Mountains
371	1055.9	1056.1	Scour	Hunter Creek	Potential for scour, flat banks	Sc	Cascade Mountains
372	1055.9	1056.1	Debris Flows	Hunter Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
373	1056.1	1057	Rockfall		Potential for large sized rock fall from steep slope above	Rb	Cascade Mountains
374	1061.5	1062.1	Scour	Lorezetta Creek	Potential for scour, flat banks	Sc	Cascade Mountains
375	1061.5	1061.6	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
376	1061.9	1062	Scour	Whaleach (Jones) Creek	Potential for scour, flat banks	Sc	Cascade Mountains
377	1061.9	1062	Debris Flows	Whaleach (Jones) Creek	Initiation from upper hillside, corridor in depositional zone	Sc	Cascade Mountains
378	1062.3	1062.4	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
379	1062.5	1063.2	Rockfall		Potential for rock fall from steep slope above	Rb	Cascade Mountains
380	1063	1063.5	Flooding		Proximity to Fraser River and inundation	U	Cascade Mountains
381	1065.5	1066.5	Debris Flows		Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
382	1066.5	1067.5	Debris Flows	Phillips Creek Debris Flow 2	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
383	1067.7	1070.7	Rockfall		Potential for rock fall from steep slope above	Rb	Cascade Mountains
384	1068.6	1069	Scour	Ludwig Creek	Bank erosion and scour	Sc	Cascade Mountains
385	1069.7	1070.15	Debris Flows	John Creek Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
386	1070	1182	Strong Shaking	Lower Mainland	Region of potential for large seismicity and shaking of ground	Ssh	Cascade Mountains
387	1070.8	1071	Debris Flows	Heading Creek Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains

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388	1071.7	1072.2	Debris Flows	Unnamed Creek Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
389	1072.5	1073	Debris Flows	Ted Creek Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
390	1072.7	1072.9	Debris Flows	Concrete Flume Creek Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
391	1073	1073.4	Debris Flows	Triple Gate Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
392	1073.2	1073.3	Debris Flows	Patterson Creek Debris Flow	Large debris flows and semi-periodic occurrence. Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
393	1073.3	1073.4	Debris Flows	Fog Creek Debris Flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
394	1073.5	1073.6	Debris Flows	Transformer Creek debris flow	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
395	1074.7	1076.3	Debris Flows	Cheam Creek Debris Flow 1	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
396	1075.4	1075.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
397	1076.5	1077.4	Debris Flows	Popkum Creek	Initiation from upper hillside, corridor in depositional zone	Rd	Cascade Mountains
398	1078.5	1079.15	Debris Floods	Anderson Creek South	Initiation from upper hillside, corridor in depositional zone	Ud	Cascade Mountains
399	1081.9	1082	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Cascade Mountains
400	1101.9	1103.7	Flooding	Vedder River	Bank erosion and scour	U	Georgia Depression
401	1104.2	1104.3	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Georgia Depression
402	1106.3	1106.4	Scour	Stewart Creek	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
403	1106.6	1106.7	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Georgia Depression
404	1111	1111.05	Scour	Sumas Canal	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
405	1114.4	1114.5	Historic Faults		Approximate location of a potential historical geological discontinuity and/or fault	Ss	Georgia Depression
406	1115	1115.1	Scour	Sumas River	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
407	1116	1116.1	Fault Displacement	Sumas Mountain	Potential for fault displacement to be investigated in detailed design	Ssf	Georgia Depression
408	1116.4	1116.45	Scour	Finuchi Creek	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
409	1116.8	1117.2	Slow Earth Slide	Ward Road	Compressible ground. Presence of peat overlying inclined silt surface.	Fs	Georgia Depression
410	1116.8	1117.2	Slow Earthflows	Sumas Mountain	Potential for earthflows due to presence of weak material (peat).	Fe	Georgia Depression
411	1116.9	1116.95	Scour	Ward Road Creek	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
412	1119	1119.3	Slow Earth Slide	Ledgeview Creek	Potential for small slide on steep slope	Fs	Georgia Depression
413	1119.2	1119.3	Scour	Ledgeview Creek	Potential for scour of channel bed	Sc	Georgia Depression
414	1122.9	1122.95	Scour	Clayburn Creek 1	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
415	1123.8	1123.85	Scour	Clayburn Creek	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
416	1128.15	1128.2	Scour	Unknown Creek	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
417	1130.2	1130.4	Slow Earth Slide	Coligny Creek	Potential deep-seated slow landslide on steep slope	Fs	Georgia Depression
418	1130.2	1130.4	Scour	Coligny Creek	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
419	1136.8	1136.85	Scour	Nathan Creek Tributary		Sc	Georgia Depression
420	1137.7	1138.6	Slow Earth Slide	Nathan Creek	Potential for small slide on steep slope	Rs	Georgia Depression
421	1137.7	1137.75	Scour	Unnamed creek		Sc	Georgia Depression
422	1143	1143.4	Slow Earth Slide	West Telegraph Creek	Potential deep-seated slow landslide on steep slope	Fs	Georgia Depression
423	1143	1143.4	Scour	West Telegraph Creek	Potential for bank erosion and scour of channel bed	Sc	Georgia Depression
424	1147.7	1147.8	Flooding	Salmon Creek	Proximity to river and inundation	U	Georgia Depression
425	1148.8	1150.4	Scour	Mundy and Korkson Creeks	Bank erosion and scour. Numerous small creeks and channels	Sc	Georgia Depression
426	1152.4	1154.6	Scour	Mundy and Korkson Creeks	Bank erosion and scour. Numerous small creeks and channels	Sc	Georgia Depression

ID	RK start	RK end	Category	Location	Hazard Description	Cat. Abbrev	Physiographic Region
427	1160	1164.3	Flooding		Area susceptible to flood and inundation	U	Georgia Depression
428	1167.8	1168.7	Debris		Steep terraced slopes above the Fraser River	Rs	Georgia Depression
429	1169	1169.5	Liquefaction	Fraser River - Port Mann	Liquefaction and lateral spreading hazard. Saturated loose sands and soft silts within a high water table are prone to loss of strength during seismic motion. Depth of liquefaction can be as deep as 30 m below ground surface.	Lq	Georgia Depression
430	1169	1169.5	Scour	Fraser River - Port Mann	Lager river with potential for bank erosion and scour of channel bed	Sc	Georgia Depression
431	1179	1179.5	Scour	Stoney Creek	Small creek with potential for scour and bank erosion	Sc	Georgia Depression
432	1180.18	1180.18	Debris Slide	Westridge Terminal in Burrard Inlet	Shallow debris failure on steeply incline surfaces leading to foreshore	RI	Georgia Depression
433	1180.18	1180.18	Extremely Rapid Rock Avalanche	Westridge Terminal in Burrard Inlet	Potential for a very large mass of rock to detach in this area, to be investigated further at detailed stage	Ra	Georgia Depression
434	1180.18	1180.18	Tsunami	Westridge Terminal in Burrard Inlet	Potential for fast moving high wass water to run-up slope and strike marine-based facilities	Tsu	Georgia Depression