

**APPENDIX 12-A
GROUNDWATER QUALITY SCOPING TABLE**

Appendix 12-A. Groundwater Quality Scoping Table

Project Region	Project Area	ID #	Project Component	Phase				Reclamation (Y/partial/N)	Closure Objective	Degradation of Groundwater Quality due to Seepage of Contact Water				Degradation of Groundwater Quality due to Release of Controlled Substances				
				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure	
Mine Site	Camp 3: Eskay Staging Camp	1	Camp 3 incinerator	X	R			Y	forest					x	x			
		2	Camp 3 helipad	X	R			Y	forest					x	x			
		3	Camp 3 equipment and material storage yard	X	R			Y	forest					x	x			
		4	Camp 3: Eskay Staging Camp	X	R			Y	forest					x	x			
		5	Camp 3 septic field	X	R			Y	forest					x	x			
	Camp 7: Unuk North Camp	6	Camp 7 equipment and material storage yard	X	R			Y	forest					x	x			
		7	Camp 7: Unuk North Camp	X	R			Y	forest					x	x			
		8	Camp 7 helipads	X	R			Y	forest					x	x			
		9	Camp 7 incinerator	X	R			Y	forest					x	x			
		10	Camp 7 septic field	X	R			Y	forest					x	x			
	Camp 8: Unuk South Camp	11	Camp 8 helipad	X	R			Y	forest					x	x			
		12	Camp 8 equipment and material storage yard	X	R			Y	forest					x	x			
		13	Camp 8 incinerator	X	R			Y	forest					x	x			
		14	Camp 8: Unuk South Camp	X	R			Y	forest					x	x			
		15	Camp 8 septic field	X	R			Y	forest					x	x			
	Coulter Creek Access Corridor (CCAC)	16	Coulter Creek access road	X	X	X	R	Y	forest	x	x	x	x	x	x	x	x	
		17	CCAC borrow areas	X	PR			partial	forest	x	x	x	x	x	x			
		18	CCAC waste areas	X	R			Y	forest					x	x			
		19	CCAC log landings	X	R			Y	forest					x	x			
		20	creek crossing C012	X	X	X	R	Y	forest/riparian					x	x	x	x	
		21	creek crossing C043	X	X	X	R	Y	forest/riparian					x	x	x	x	
		22	creek crossing C044	X	X	X	R	Y	forest/riparian					x	x	x	x	
		23	Coulter Creek bridge (C006)	X	X	X	R	Y	forest/riparian					x	x	x	x	
		24	creek crossing C024	X	X	X	R	Y	forest/riparian					x	x	x	x	
		25	creek crossing C021	X	X	X	R	Y	forest/riparian					x	x	x	x	
		26	Unuk River bridge (C010) (88 m) (three-span bridge)	X	X	X	R	Y	forest/riparian					x	x	x	x	
		27	creek crossing C042	X	X	X	R	Y	forest/riparian					x	x	x	x	
		28	avalanche control structures (km 26-29)	X	X	X	D	N	NA					x	x	x	x	
		29	Gingras Creek bridge (C011)	X	X	X	R	Y	forest					x	x	x	x	
	30	Mitchell Creek bridge (C007) (33.5 m)	X	X	X	X	N	NA					x	x	x	x		
	Mitchell Operating Camp	31	Mitchell operating camp	X	X	PR	X	partial	forest					x	x	x	x	
		32	Mitchell operating camp helipad	X	X	X	X	N	NA					x	x	x	x	
		33	Mitchell operating camp incinerator	X	X	X	X	N	NA					x	x	x	x	
		34	Mitchell operating camp septic field	X	X	X	X	N	NA					x	x	x	x	
	McTagg Rock Storage Facility (RSF)	35	McTagg access road	X	D			-	NA	x	x	x	x	x	x			
		36	McTagg Creek bridge	X	D			-	NA					x	x			
		37	McTagg RSF snow storage		X	D		-	NA						x	x		
		38	McTagg RSF		X	PR		partial	forest		x	x	x		x	x		
		39	West McTagg operation channel - North		X			-	NA		x	x	x		x			
		40	West McTagg operation channel - South		X			-	NA		x	x	x		x			
		41	West McTagg closure channel			X	X	N	NA				x	x		x	x	
		42	West McTagg access road		X	X	X	N	NA		x	x	x		x	x	x	
		43	East McTagg closure channel and access road			X	X	N	NA				x	x		x	x	
		44	North McTagg Diversion Channel		X	X	X	N	NA		x	x	x		x	x	x	
	McTagg Twinned Diversion Tunnels (MTDT)	45	McTagg Diversion access road	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		46	McTagg phase 3 flood outlet		X	X	X	N	NA						x	x	x	
		47	McTagg phase 2 flood outlet		X/R			Y	forest						x			
		48	McTagg phase 1 flood outlet	X	R			Y	forest					x	x			
		49	Temporary Water Treatment (TWT) 2	X/R				Y	forest					x				
		50	TWT 2 - sediment control pond	X/R				Y	forest					x				
		51	TWT 2 - unlined muck pad	X/R				Y	forest					x				
		52	TWT 2 - diversion ditch	X/R				Y	forest	x	x	x	x	x	x			
		53	McTagg Twinned Diversion Tunnels	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	x
		54	Phase 3 West McTagg inlet		X	X	X	N	NA						x	x	x	

X = the project component is active during that project phase.
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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure		
Mine Site	McTagg Twinned Diversion Tunnels (MTDT) (cont'd)	55	Phase 3 West McTagg dam		X	X	X	N	NA						x	x	x		
		56	Phase 3 West McTagg dam spillway		X	X	X	N	NA						x	x	x		
		57	Phase 3 East McTagg inlet		X	X	X	N	NA						x	x	x		
		58	Phase 3 East McTagg dam		X	X	X	N	NA						x	x	x		
		59	Phase 3 East McTagg dam spillway		X	X	X	N	NA						x	x	x		
		60	Phase 2 McTagg inlet		X/D			-	NA						x				
		61	Phase 2 McTagg dam		X/D			-	NA						x				
		62	Phase 2 McTagg dam spillway		X/D			-	NA						x				
		63	Phase 1 McTagg dam		X	D			-	NA					x	x			
		64	Phase 1 McTagg inlet		X	D			-	NA					x	x			
		65	Phase 1 McTagg dam spillway		X	D			-	NA					x	x			
		McTagg Power Plant		66	McTagg penstock tunnel		X	X	X	N	NA			x	x	x	x	x	x
				67	McTagg penstock		X	X	X	N	NA						x	x	x
				68	McTagg power plant		X	X	X	N	NA						x	x	x
		Mitchell Rock Storage Facility (RSF)		69	North Slope pipeline	X	D			-	NA					x	x		
			70	North Slope pipeline access road	X	D			-	NA	x	x	x	x	x	x			
			71	North Slope diversion ditch		X	D		-	NA			x	x	x	x			
			72	North Slope collection ditch		X	X	X	N	NA			x	x	x	x	x		
			73	North Slope diversion buried pipeline	X	X	D		-	NA	x	x	x	x	x	x	x		
			74	North Slope diversion ditch access road	X	X			-	NA	x	x	x	x	x	x			
			75	Mitchell North closure channel			X	X	N	NA					x	x	x		
			76	Upper Mitchell Creek bridge	X	D			-	NA					x	x			
			77	Mitchell RSF landbridge		X/D			-	NA						x			
			78	Temporary Water Treatment (TWT) 6	X/D				-	NA					x				
			79	TWT 6 - sediment control pond	X/D				-	NA					x				
			80	TWT 6 - lined muck pad	X/D				-	NA					x				
			81	TWT 6 - water treatment plant	X/D				-	NA					x				
			82	TWT 6 - lined pond	X/D				-	NA					x				
			83	TWT 6 - diversion ditch	X/D				-	NA	x	x	x	x	x				
			84	TWT 6 - unlined muck pad	X/D				-	NA					x				
			85	TWT 6 - buried pipeline	X/D				-	NA					x				
			86	Mitchell RSF pre-production ore stockpile	X				-	NA	x	x	x	x	x				
			87	Mitchell RSF ore stockpile		X/PR			partial	forest			x	x	x	x			
			88	Mitchell Batch Plant	X	D			-	NA					x	x			
			89	Mitchell Batch Plant gravel stockpile	X	D			-	NA					x	x			
			90	Mitchell RSF snow storage	X	D			-	NA					x	x			
			91	Mitchell RSF fuel storage	X	X	X	X	N	NA					x	x	x		
			92	Sulphurets waste conveyor 3		X	D		-	NA					x	x	x		
			93	Sulphurets waste conveyor 2		X	D		-	NA					x	x			
			94	Sulphurets waste conveyor 1		X	D		-	NA					x	x			
			95	Sulphurets waste stockpile		X	D		-	NA					x	x			
			96	Mitchell RSF	X	X	PR		partial	forest	x	x	x	x	x	x			
			97	South Mitchell closure channel and access road			X	X	N	NA						x	x		
			98	Mitchell Valley Drainage Tunnel		X	X/D		N	NA			x	x	x	x			
	Camp 4: Mitchell North Camp (for MTT construction)		99	Camp 4: Mitchell North Camp	X/D				-	NA					x				
			100	Camp 4 helipad	X/D				-	NA					x				
			101	Camp 4 incinerator	X/D				-	NA					x				
			102	Camp 4 equipment and material storage yard	X/D				-	NA					x				
			103	Camp 4 septic field	X/D				-	NA					x				

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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure	
Mine Site	Mitchell Ore Preparation Complex (Mitchell OPC)	104	Mitchell OPC	X	X	PR		Y	grass					x	x	x		
		105	MTT west portal	X	X			-	NA						x	x		
		106	MTT closure portal			X	X			NA							x	x
		107	substation 2	X	X					NA					x	x		
		108	Closure substation			X	X			NA							x	x
		109	25 kV transmission lines	X	X	X	X			NA					x	x	x	x
		110	Mitchell OPC ore stockpile	X	X	R			Y	grass					x	x	x	
		111	TWT 4 - sediment control pond	X/D						NA					x			
		112	Mitchell OPC Primary Crusher	X	X	D				NA					x	x	x	
		113	Mitchell OPC snow storage		X	R			Y	grass						x	x	
		114	fixed avalanche initiation exploders	X	X	X	X			NA					x	x	x	x
		115	fixed avalanche support structure	X	X	X	X			NA					x	x	x	x
		116	fixed avalanche support structure access road	X	X	X	X			NA	x	x	x	x	x	x	x	x
	117	Iron Cap Underground Works		X	D				NA						x	x	x	
	118	Iron Cap underground access ramp		X	D				NA		x	x	x		x	x		
	119	Iron Cap conveyor 3		X	D				NA						x	x		
	120	Iron Cap conveyor 2		X	D				NA						x	x		
	121	Iron Cap conveyor 1		X	D				NA						x	x		
	122	Iron Cap surface disturbance		X	X	X			NA						x	x	x	
	123	Iron Cap return air portal		X	X	X			NA						x	x	x	
	124	Iron Cap ventilation tunnels		X	D				NA		x	x	x		x	x		
	125	Iron Cap fresh air portals (x2)		X	D				NA						x	x		
	126	Mitchell Pit north wall dewatering adits		X	D				NA		x	x	x		x	x		
	127	Mitchell Pit haul road		X	R				grass		x	x	x		x	x		
	128	Mitchell Pit closure dam			X	X			NA							x	x	
	129	Mitchell Pit closure dam spillway			X	X			NA							x	x	
	130	Mitchell Pit Lake discharge pipe			X	X			NA							x	x	
	131	Mitchell Pit pre-production ore stockpile	X						NA	x					x			
	132	Mitchell Pit	X	X	D				pit lake	x	x	x			x	x	x	
	133	Mitchell Pit Lake			X	X			NA			x	x			x	x	
	134	Mitchell Pit North diversion ditch		X	X/D				NA		x	x	x		x	x		
	135	Mitchell Pit East diversion ditch		X	X/D				NA		x	x	x		x	x		
	136	Mitchell Pit South diversion ditch		X	X/D				NA		x	x	x		x	x		
	137	Mitchell Underground Works		X	D				NA		x	x	x		x	x		
	138	Mitchell surface disturbance		X	X	X			NA		x	x	x		x	x	x	
	139	Mitchell underground access portal		X	D				NA						x	x		
	140	Mitchell underground access ramp		X	D				NA						x	x		
	141	Mitchell underground conveyor tunnel portal		X	D				NA						x	x		
	142	Mitchell underground conveyor		X	D				NA						x	x		
	143	Mitchell underground fresh air raises (x2)		X	D				NA						x	x		
	144	Mitchell underground return air raises (x2)		X	D				NA						x	x		
	145	Mitchell underground drainage tunnels		X	D				NA		x	x	x	x	x	x		
	146	Mitchell diversion contact water ditch	X						NA	x	x	x	x		x			
	147	North Mitchell Glacier collection ditch	X	X	X	X			NA						x	x	x	
	148	North Mitchell Glacier collection ditch access road	X						NA	x	x	x	x		x	x	x	
	149	North Mitchell Glacier access road	X	X	X	X			NA						x	x	x	
	150	Mitchell diversion phase1 surface inlet	X	X					NA						x	x		
	151	Mitchell Diversion Tunnel access	X	X	X	X			NA						x	x	x	
	152	Mitchell diversion phase 2 surface inlet		X	D				NA						x	x		
	153	South Mitchell Glacier slope contact water collection ditch			X	X			NA							x	x	
	154	Mitchell flood overflow drainage tunnel	X	X	X	X			NA	x	x	x	x		x	x	x	
	155	Mitchell Diversion access road	X						NA	x	x	x	x		x			
	156	open pit phase sub-glacial inlet	X	X	X	X			NA						x	x	x	
	157	underground phase sub-glacial inlet		X	X	X			NA						x	x	x	
	158	Temporary Water Treatment 5	X/D						NA						x			

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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure	
Mine Site	Mitchell Diversion Tunnels (MDT) (cont'd)	159	TWT 5 - lined muck pad	X/D				-	NA					x				
		160	TWT 5 - unlined muck pad	X/D				-	NA						x			
		161	TWT 5 - sediment control pond	X/D				-	NA						x			
		162	TWT 5 - diversion ditch	X/D				-	NA	x	x	x	x		x			
		163	Open Pit Phase Mitchell Diversion Tunnel	X	X	X	X	N	NA	x	x	x	x		x	x	x	x
		164	Underground Phase Mitchell Diversion Tunnel		X	X	X	N	NA		x	x	x			x	x	x
		165	Temporary Water Treatment 3	X/R				Y	forest						x			
		166	TWT 3 - unlined muck pad	X/R				Y	forest						x			
		167	TWT 3 - lined muck pad	X/R				Y	forest						x			
		168	TWT 3 - water treatment facility	X/R				Y	forest						x			
		169	TWT 3 - sediment control pond	X/R				Y	forest						x			
		170	TWT 3 - diversion ditch	X/R				Y	forest	x	x	x	x		x			
		171	MDT temporary diversion construction road	X	R			Y	forest	x	x	x	x		x			
		172	rock cut stepped spillway	X	X	X	X	N	NA						x	x	x	x
	173	underground phase outlet portal		X	X	X	N	NA							x	x	x	
	174	Mitchell Diversion outlet access road	X	X	X	X	N	NA	x	x	x	x		x	x	x	x	
		Upper Sulphurets Power Plant	175	surface penstock on pillars	X	X	X	X	N	NA					x	x	x	x
	176		penstock buried in road bed	X	X	X	X	N	NA						x	x	x	x
	177		upper Sulphurets Power Plant access road	X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	178		upper Sulphurets Power Plant	X	X	X	X	N	NA						x	x	x	x
		Mitchell Truck Shop	179	Mitchell Truck Shop	X	X	R		Y	forest					x	x	x	
		Water Storage Facility (WSF)	180	WSF bypass buried pipeline	X	X	X	X	N	NA					x	x	x	x
	181		WSF snow storage		X	X	D		N	NA						x	x	
	182		WSF borrow pits	X				-	NA	x	x	x	x		x			
	183		water storage pond	X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	184		buried HDPE lined penstock	X	X	X	X	N	NA						x	x	x	x
	185		lined pumping header pond	X	X	X	X	N	NA						x	x	x	x
	186		downstream rockfill quarry area	X	X	R		Y	forest						x	x	x	
	187		Selenium Treatment Plant		X	X	X	N	NA							x	x	x
	188		WSF diversion tunnel	X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	189		Temporary Water Treatment 7	X/R				N	NA						x			
	190		WSF construction access road	X/D				-	NA	x	x	x	x		x			
	191		WSF construction cofferdams	X/D				-	NA						x			
	192		Water Storage dam (WSD)	X	PR	X	X	Y	forest						x	x	x	x
	193		WSD west lower seepage interception tunnel	X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	194		WSD west upper seepage interception tunnel	X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	195		WSD east lower seepage interception tunnel	X	X	X	X	N	NA	x	x	x	x		x	x	x	x
			Water Storage Facility (WSF) (cont'd)	196	WSD east upper seepage interception tunnel	X	X	X	X	N	NA	x	x	x	x		x	x
	197	WSD southeast seepage interception tunnel		X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	198	WSD southwest seepage interception tunnel		X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	199	WSF pipeline		X	X	X	X	N	NA						x	x	x	x
	200	WSF spillway		X	X	X	X	N	NA						x	x	x	x
	201	WSF seepage dam		X	X	X	X	N	NA						x	x	x	x
	202	WSF seepage collection pond		X	X	X	X	N	pond/wetland						x	x	x	x
	203	WSF seepage dam spillway		X	X	X	X	N	NA						x	x	x	x
	204	southeast WSF diversion		X	X	X	X	N	NA	x	x	x	x		x	x	x	x
	205	temporary construction bridge		X/D				-	NA						x			
	206	Lower Mitchell closure channel access road				X	X	N	NA				x	x			x	x
	207	Lower Mitchell closure channel				X	X	N	NA								x	x
		Camp 9: Mitchell Initial Camp	208	Camp 9: Mitchell Initial Camp	X/R				Y	forest					x			
	209		Camp 9 septic field	X/R					Y	forest					x			
	Camp 10: Mitchell Secondary Camp	210	Camp 10: Mitchell Secondary Camp	X	R			Y	forest					x	x			
211		Camps 9 and 10 helipad	X	R			Y	forest						x	x			
212		Camp 9 and 10 incinerator	X	R			Y	forest						x	x			
213		Camp 10 septic field	X	R			Y	forest						x	x			

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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure
Mine Site	Water Treatment and Energy Recovery Area	214	penstock to WTP	X	X	X	X	N	NA					x	x	x	x
		215	Energy Recovery Facility	X	X	X	X	N	NA					x	x	x	x
		216	Water Treatment Plant (WTP)	X	X	X	X	N	NA					x	x	x	x
		217	Temporary Water Treatment 1	X/R				Y	forest						x		
	Sludge Management Facilities	218	sludge warehouse	X	X	X	X	N	NA					x	x	x	x
		219	sludge landfill	X/R				Y	forest					x			
		220	sludge storage			X	X	N	NA							x	x
	Sulphurets Laydown Area	221	Sulphurets access road	X	X	PR	X	partial	forest	x	x	x	x	x	x	x	x
		222	Satellite Maintenance Facility		X	R		Y	forest						x	x	x
		223	Sulphurets snow storage	X	X	R		Y	forest						x	x	x
		224	Sulphurets diversion ditch	X	X	R		Y	forest	x	x	x	x	x	x	x	x
		225	Sulphurets collection ditch	X	X			-	NA	x	x	x	x	x	x		
		226	landfarm/landfill	X	R			Y	forest						x	x	
		227	Sulphurets laydown area	X	X/R			Y	forest						x	x	
		228	Sulphurets-Mitchell Conveyor Tunnel		X	D		N	NA		x	x	x		x	x	x
	Sulphurets-Mitchell Conveyor Tunnel	229	Sulphurets-Mitchell Conveyor Tunnel portals		X	R		Y	forest						x	x	
		230	conveyor stockpile		X	R		Y	forest						x	x	
		231	conveyor 1 to Sulphurets portal		X	R		Y	forest						x	x	
		232	conveyor 2 to Sulphurets portal		X	R		Y	forest						x	x	
	Sulphurets Pit	233	Sulphurets Pit crusher		X	R		Y	forest						x	x	
		234	Sulphurets Pit	X	X	D		N	NA	x	x	x	x	x	x	x	x
		235	Sulphurets Pit Backfill			X	PR	partial	forest							x	x
		236	Sulphurets Pit drainage collection ditch	X/D				-	NA	x	x	x	x	x			
		237	Sulphurets Pit drainage pipeline to Selenium Treatment		X	X	X	N	NA						x	x	x
		238	Sulphurets Pit drainage pipeline to WSF	X	X	X	X	N	NA						x	x	x
		239	Sulphurets Pit diversion and collection system		X	X	X	N	NA							x	x
	Kerr rope conveyor	240	Kerr rope conveyor		X	R		Y	forest						x	x	
		241	conveyor stockpile		X	R		Y	forest						x	x	
	Kerr Pit	242	Kerr Pit access road		X	PR	X	partial	forest		x	x	x		x	x	x
		243	Kerr Pit snow storage		X	R		Y	forest						x	x	
		244	Kerr Pit crusher		X	R		Y	forest						x	x	
		245	Kerr Pit		X	D		N	pit lake		x	x			x	x	
		246	South Kerr Pit Lake			X	X	N	NA				x	x		x	x
		247	Kerr Pit dewatering pipeline		X	X	X	N	NA						x	x	x
	Camp 2: Ted Morris Camp	248	Camp 2: Ted Morris Camp	X/R				Y	forest						x		
		249	Camp 2 equipment and material storage yard	X/R				Y	forest						x		
		250	Camp 2 helipad	X/R				Y	forest						x		
		251	Camp 2 incinerator	X/R				Y	forest						x		
252		Camp 2 septic field	X/R				Y	forest						x			
Explosives Manufacturing Facility	253	Sulphurets Valley access road	X	X	PR	X	partial	forest	x	x	x	x	x	x	x	x	
	254	Sulphurets bridge	X	X	X	X	N	NA						x	x	x	
	255	initial construction borrow and spoil area	X	X	R		Y	forest	x	x	x	x	x	x	x	x	
	256	secondary construction borrow and spoil area			X/R		Y	forest				x	x			x	
	257	closure cover borrow and till storage areas	X	X	X/R		Y	forest	x	x	x	x	x	x	x	x	
	258	secondary closure cover borrow and till storage area		X	X/R		Y	forest				x	x		x	x	
	259	explosives access road	X	X	R		Y	forest	x	x	x	x	x	x	x	x	
	260	explosives magazine	X	X	R		Y	forest						x	x	x	
	261	AN Prill Storage access road	X	X	R		Y	forest	x	x	x	x	x	x	x	x	
	262	AN prill storage area	X	X	R		Y	forest						x	x	x	
	263	Explosives Manufacturing Facility	X	X	R		Y	forest						x	x	x	
Temporary Frank Mackie Glacier Access Route	264	Temporary Frank Mackie Glacier access route	X/D				N	NA						x			

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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure	
Mine Site	Camp 1: Granduc Staging Camp	265	Camp 1: Granduc Staging Camp	X				N	NA					x				
		266	Camp 1 helipad	X				N	NA					x				
		267	Camp 1 equipment and material storage yard	X				N	NA					x				
		268	Camp 1 septic field	X				N	NA					x				
Processing and Tailing Management Area (PTMA)	Mitchell-Treaty Twinned Tunnels (MTT) construction access adit	269	Mitchell-Treaty Conveyor Tunnel	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		270	Mitchell-Treaty Transportation Tunnel	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		271	construction access portal	X	X	X	X	N	NA					x	x	x	x	
		272	Adit Temporary Water Treatment 9	X	D			N	NA					x	x			
		273	Adit TWT - unlined muck pad	X	D			N	NA					x	x			
		274	Adit TWT - sediment control pond	X	D			N	NA					x	x			
		275	Adit TWT - lined muck pad	X	D			N	NA					x	x			
		276	Adit TWT - collection sump	X	D			N	NA					x	x			
		277	Adit TWT - diversion ditch	X	D			N	NA	x	x	x	x	x	x			
		278	Treaty Adit road	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	x
		279	cable buried under road	X	D			N	NA					x	x			
		280	tunnel muck drainage pipeline buried under road	X	D			N	NA					x	x			
		Mitchell-Treaty Saddle Area	281	Saddle portal	X	X	X	X	N	NA					x	x	x	x
			282	Saddle wash plant	X	R			Y	grass/shrub					x	x		
	283		Saddle helipad	X	R			Y	grass/shrub					x	x			
	284		Saddle Temporary Water Treatment 4	X	R			Y	grass/shrub					x	x			
	285		Saddle TWT - lined muck pad	X	R			Y	grass/shrub					x	x			
	286		Saddle TWT - unlined muck pad	X	R			Y	grass/shrub					x	x			
	287		Saddle TWT - temporary treatment plant	X	R			Y	grass/shrub					x	x			
	288		Saddle TWT - sediment control ponds	X	R			Y	grass/shrub					x	x			
	289		Saddle TWT - diversion ditch	X	R			Y	grass/shrub	x	x	x	x	x	x			
	290		Saddle fueling station and tank farm	X	R			Y	grass/shrub					x	x			
	Mitchell-Treaty Saddle Area (cont'd)	291	Saddle laydown area	X	R			Y	grass/shrub					x	x			
		292	Saddle explosives magazine	X	R			Y	grass/shrub					x	x			
		293	construction generator	X	R			Y	grass/shrub					x	x			
		294	Treaty Saddle road	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		295	Treaty Saddle road borrow areas	X	R			Y	grass/shrub	x	x	x	x	x	x			
		296	Treaty Saddle road waste areas	X	R			Y	grass/shrub	x	x			x	x			
		297	Treaty Saddle road till stockpiles	X	R			Y	grass/shrub					x	x			
	Camp 6: Treaty Saddle Camp	298	Camp 6 incinerator	X	R			Y	grass/shrub					x	x			
		299	Camp 6 helipad	X	R			Y	grass/shrub					x	x			
		300	Camp 6: Treaty Saddle Camp	X	R			Y	grass/shrub					x	x			
		301	Camp 6 equipment and material storage yard	X	R			Y	grass/shrub					x	x			
		302	Camp 6 septic field	X	R			Y	grass/shrub					x	x			
	Camp 5: Treaty Plant Camp	303	Camp 5: Treaty Plant Camp	X	R			Y	grass/shrub					x	x			
	Treaty Operating Camp	304	water supply well	X	X	X	X	N	NA					x	x	x	x	
		305	construction explosives storage	X/R				Y	grass/shrub					x	x			
306		water pipeline	X	X	X	X	N	NA					x	x	x	x		
307		water supply well access road	X	X	X	X	N	NA	x	x	x	x	x	x	x	x		
308		Treaty operating camp incinerator	X	X	X	X	N	NA					x	x	x	x		
309		Treaty operating camp	X	X	PR	X	partial	grass/shrub					x	x	x	x		
310		Treaty operating camp septic field	X	X			-	NA					x	x				
311		Temporary Water Treatment 8	X	R			Y	grass/shrub					x	x				
Treaty Ore Preparation Complex	312	TWT 8 - unlined muck pad	X	R			Y	grass/shrub					x	x				
	313	TWT 8 - sediment control pond	X	R			Y	grass/shrub					x	x				
	314	MTT process plant portal	X	X	X	X	N	NA					x	x	x	x		
	315	MTT portal laydown area	X	X/R			Y	grass/shrub					x	x				
	316	Treaty runoff collection channel	X	X	X	R	Y	grass/shrub					x	x	x	x		
	317	Treaty helipad	X	X	R		Y	grass/shrub					x	x	x			

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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure	
Processing and Tailing Management Area (PTMA)	Treaty Ore Preparation Complex (cont'd)	318	Treaty construction laydown area	X	R			Y	grass/shrub					x	x			
		319	Treaty waste management facilities	X	X	R		Y	grass/shrub					x	x	x		
		320	Treaty warehouse and warehouse pad	X	X	R		Y	grass/shrub					x	x	x		
		321	Treaty maintenance shop	X	X	R		Y	grass/shrub					x	x	x		
		322	Treaty lab	X	X	R		Y	grass/shrub					x	x	x		
		323	CIL Plant	X	X	R		Y	grass/shrub					x	x	x		
		324	substation 1	X	X	X	X	N	NA					x	x	x	x	
		325	25 kV transmission line	X	X	X	X	N	NA					x	x	x	x	
		326	Treaty Process Plant	X	X	R		Y	grass/shrub					x	x	x		
		327	TWT 10 - sediment control pond	X	X	X	R	Y	grass/shrub					x	x	x	x	
		328	TWT 10 - collection ditch and pipeline	X	R			Y	grass/shrub					x	x			
		329	High Pressure Grinding Rolls (HPGR) Mill	X	X	R		Y	grass/shrub					x	x	x		
		330	Treaty OPC fine ore stockpile		X	R		Y	grass/shrub						x	x		
		331	Treaty OPC stormwater runoff pipeline		X	X	R	Y	grass/shrub						x	x	x	
		332	Treaty OPC coarse ore stockpile		X	R		Y	grass/shrub						x	x		
		333	Treaty SEC Crusher Building	X	X	R		Y	grass/shrub					x	x	x		
		334	Treaty office complex	X	X	X	X	N	NA					x	x	x	x	
		335	Treaty ambulance building	X	X	X	X	N	NA					x	x	x	x	
		336	container storage area	X	X	R		Y	grass/shrub					x	x	x		
		337	cold storage	X	X	R		Y	grass/shrub					x	x	x		
		338	Treaty CSCF/landfarm/landfill	X	X	X	R	Y	grass/shrub					x	x	x	x	
		339	Treaty OPC Batch Plant stockpile	X	X	R		Y	grass/shrub					x	x	x		
		340	Treaty OPC Batch Plant	X	X	R		Y	grass/shrub					x	x	x		
		341	Treaty fuel storage	X	X	R		Y	grass/shrub					x	x	x		
		342	Treaty OPC access road	X	X	R		Y	grass/shrub	x	x	x	x	x	x	x		
		343	Treaty OPC site collection and diversion ditches	X	X	X	R	Y	grass/shrub	x	x	x	x	x	x	x	x	
		344	Treaty Administration Building	X	X	X	X	Y	grass/shrub					x	x	x	x	
		345	concentrate storage and loadout area		X	R		Y	grass/shrub						x	x		
			Concentrate Storage and Loadout															
			North Cell Tailing Management Facility	346	North Cell till stockpile	X	X	R		Y	grass/shrub					x	x	x
		347		North Cell soil storage area	X	X	R		Y	grass/shrub					x	x	x	
		348		TWT 11 - sediment control pond	X	X	X	R	Y	grass/shrub					x	x	x	x
		349		TWT 11 - collection ditch and pipeline	X	X	X	R	Y	grass/shrub					x	x	x	x
		350		TWT 9 - sediment control pond	X	X	R		Y	forest					x	x	x	
	351	TWT 9 - pipeline		X	X	R		Y	forest					x	x	x		
	352	North Cell seepage collection dam		X	PR	X	X	partial	grass/shrub					x	x	x	x	
	353	North Cell seepage collection dam spillway		X	X	X	X	N	NA					x	x	x	x	
354	North Cell seepage collection pond	X		X	X	X	N	pond/wetland					x	x	x	x		
355	North Cell seepage reclaim pipeline	X		X	X	X	N	NA					x	x	x	x		
356	North Cell construction berms and sediment fences	X/D					-	NA					x					
357	North Cell starter dam	X/-					-	NA					x					
358	North dam construction pipeline and cofferdam	X/D					-	NA					x					
359	North Cell dam	X		PR	X	R	partial	grass/shrub					x	x	x	x		
360	North Cell borrow area	X/D					-	NA	x	x	x	x	x					
361	North Cell quarry	X/D					-	NA					x					
362	North Cell waste pile	X/D					-	NA					x					
363	North Cell construction access road and transmission line	X/D					-	NA	x	x	x	x	x					
364	North Cell			X/PR	X	R	Y	forest		x	x	x		x	x	x		
365	North Cell closure pond			X	PR		Y	pond/wetland						x	x			
366	reclaim barge			X	D		-	NA						x	x			
367	gravel beach cover			X	X	R	Y	wetland						x	x	x		
368	pump house with potential clarification system	X		X	X		-	NA					x	x	x			
369	Northwest Diversion	X		X	X	R	Y	forest	x	x	x	x	x	x	x	x		
370	TMF Discharge Pipeline	X		X	X	D	N	NA					x	x	x	x		

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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure	
Processing and Tailing Management Area (PTMA)	East Catchment Diversion	371	East Catchment diversion tunnel portal access road	X	X	X	X	Y	forest	x	x	x	x	x	x	x	x	
		372	East Catchment diversion tunnel portal		X	R		Y	forest						x	x		
		373	northeast buried pipeline	X	X	X	R	N	NA					x	x	x	x	
		374	northeast service road	X	X	X	R	Y	forest	x	x	x	x	x	x	x	x	
		375	northeast diversion ditch	X	X	X	PR	Y	forest	x	x	x	x	x	x	x	x	
		376	East Catchment diversion tunnel phase 1	X	X	D		N	NA	x	x	x	x	x	x	x		
		377	East Catchment diversion tunnel phase 2		X	X	D	N	NA		x	x	x		x	x	x	
		378	East Catchment diversion dam	X	PR	X	R	Y	grass/shrub					x	x	x	x	
		379	East Catchment diversion dam spillway	X	X	X	R	Y	grass/shrub					x	x	x	x	
		380	East Catchment diversion pond	X	X	X	R	Y	grass/shrub					x	x	x	x	
		381	TWT 13 - sediment control pond	X	R			Y	grass/shrub					x	x			
		382	Upper East Catchment diversion dam	X	PR	X	R	Y	grass/shrub					x	x	x	x	
		383	Upper East Catchment diversion pond	X	X	X	R	Y	grass/shrub					x	x	x	x	
		384	Upper East Catchment diversion dam spillway	X	X	X	R	Y	grass/shrub					x	x	x	x	
		385	TWT 12 - sediment control pond	X	R			Y	grass/shrub					x	x			
	Centre Cell Tailing Management Facility	Centre Cell borrow area	386	Centre Cell borrow area	X/D				-	NA	x	x	x	x	x			
			387	Splitter starter dam	X				-	NA					x			
			388	Splitter dam construction pipeline and cofferdam	X/D				-	NA					x			
			389	Splitter dam	X	X	PR	R	Y	forest					x	x	x	x
			390	CIL Lined Pond		X	X	R	Y	pond/wetland		x	x	x		x	x	x
			391	reclaim barges (x2)		X	X	D	-	NA						x	x	x
			392	Saddle starter dam	X				-	NA					x			
			393	Saddle dam construction diversion	X/D				-	NA	x	x	x	x	x			
			394	Saddle dam construction southern diversion	X/D				-	NA	x	x	x	x	x			
			395	Saddle dam construction diversion access road	X/D				-	NA	x	x	x	x	x			
			396	Saddle seepage dam construction access road	X/D				-	NA	x	x	x	x	x			
			397	Saddle dam	X	X	PR	R	Y	forest					x	x	x	x
			398	Saddle seepage collection pond	X	X/D			-	NA					x	x		
			399	Saddle seepage collection dam spillway	X	X/D			-	NA					x	x		
			400	Saddle seepage collection dam	X	X/D			-	NA					x	x		
			401	Saddle dam collection ditch	X/D				-	NA					x			
			402	TWT 14 - sediment control pond	X/D				-	NA					x			
	403	TWT 14 - pipeline	X/D				-	NA					x					
	404	Saddle seepage reclaim pipeline	X	X/D			-	NA					x	x				
	405	post-closure pond				X/PR	Y	pond/wetland									x	
	406	post-closure gravel beach cover				X/R	Y	wetland									x	
	407	post-closure cell				R	Y	forest									x	
	South Cell Tailing Management Facility	South Cell borrow area	408	Southeast service road	X	X	X	R	Y	forest	x	x	x	x	x	x	x	x
			409	Southeast diversion ditch	X	X	X	R	Y	forest					x	x	x	x
			410	South Cell quarry sediment fence		X/D			-	NA						x		
			411	South Cell quarry		X/D			-	NA						x		
			412	South Cell quarry construction berm		X/D			-	NA						x		
413			North Treaty lower road	X	X/D			-	NA	x	x	x	x	x	x			
414			South Cell		X	PR	R	Y	forest		x	x	x		x	x	x	
415			South Cell pond		X			-	NA						x			
416			South Cell closure pond			X/PR		Y	pond/wetland							x		
417			gravel beach cover			X	R	Y	wetland							x	x	
418			reclaim barge		X	X	D	-	NA						x	x	x	
419			southeast dam		X/PR	X	R	Y	grass/shrub						x	x	x	
420			southeast starter dam		X			-	NA						x			
421			southeast dam diversion ditch		X	X	X	N	NA		x	x	x		x	x	x	
422			South Cell seepage reclaim pipeline		X	X	X	N	NA						x	x	x	
423			South Cell borrow area		X/R			Y	grass/shrub		x	x	x		x			
424			TWT 15 - sediment control structure		X/R			Y	grass/shrub						x			

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				Construction	Operation	Closure	Post-closure			Construction	Operation	Closure	Post-closure	Construction	Operation	Closure	Post-closure	
Processing and Tailing Management Area (PTMA)	South Cell Tailing Management Facility (cont'd)	425	TWT 15 - pipeline		X/R			Y	grass/shrub						x			
		426	Treaty Creek closure spillway			X	X	N	NA							x	x	
		427	southeast seepage collection dam		X	PR	X	partial	forest						x	x	x	
		428	southeast seepage collection pond		X	X	X	N	pond/wetland						x	x	x	
		429	southeast seepage collection dam spillway		X	X	X	N	NA						x	x	x	
		430	southeast seepage collection dam construction access road		X	X	X	N	NA	x	x	x	x		x	x	x	
	431	South Cell soil storage area		X	R			Y	forest						x	x		
	Treaty Creek Access Corridor	432	North Treaty upper road	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		433	Treaty Creek Transmission Line	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		434	southwest diversion ditch	X	X	X	PR	partial	forest	x	x	x	x	x	x	x	x	
		435	TCAR channel armouring and diversion dams	X	PR	X	X	partial	grass						x	x	x	
		436	southwest diversion access road	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		437	Treaty Creek access road (TCAR)	X	X	X	X	N	NA	x	x	x	x	x	x	x	x	
		438	TCAR borrow areas	X	R			Y	forest	x	x	x	x	x	x			
		439	TCAR waste areas	X	R			Y	forest						x	x		
		440	TCAR log landings	X	R			Y	forest						x	x		
		441	creek crossing R053	X	X	X	X	N	NA						x	x	x	x
		442	creek crossing R049	X	X	X	X	N	NA						x	x	x	x
		443	creek crossing R047	X	X	X	X	N	NA						x	x	x	x
		444	North Treaty Creek bridge (R045)	X	X	X	X	N	NA						x	x	x	x
		445	creek crossing R037	X	X	X	X	N	NA						x	x	x	x
	446	creek crossing R038	X	X	X	X	N	NA						x	x	x	x	
	447	creek crossing R036	X	X	X	X	N	NA						x	x	x	x	
	448	creek crossing R035	X	X	X	X	N	NA						x	x	x	x	
	449	creek crossing R034	X	X	X	X	N	NA						x	x	x	x	
	450	Bell-Irving River bridge (R033)	X	X	X	X	N	NA						x	x	x	x	
	Camp 11: Treaty Marshalling Yard Camp	451	Camp 11: Treaty Marshalling Yard Camp	X	R			Y	forest						x	x		
		452	Camp 11 Treaty marshalling yard	X	R			Y	forest						x	x		
		453	Camp 11 incinerator	X	R			Y	forest						x	x		
	Camp 12: Highway 37 Construction Camp	454	Camp 12: Highway 37 Construction Camp	X/R				Y	forest						x			
455		Camp 12 incinerator	X/R				Y	forest						x				
Off-site Transportation	Highways 37 and 37A	456	Highway 37	X	X	X	X	N	NA					x	x	x	x	
		457	Highway 37A	X	X			N	NA						x	x		

X = the project component is active during that project phase.
- = the project component is encompassed by another feature and the reclamation objective is indicated in the row for the other project feature.
R/reclaim = shows the project phase where reclamation of the component occur.
PR/partial reclaim = shows the project phase where partial reclamation of the component occurs; in some cases the feature is totally reclaimed but remains in place (e.g., dams).
D/decom = shows the phase of the project where the component is decommissioned, but not reclaimed.