

APPENDIX 7-D
AIR QUALITY SCOPING TABLE

Appendix 7-D. Air Quality Scoping Table

Project Region	Project Area	ID #	Project Component	Phase				Reclamation (Y/partial/N)	Closure Objective	Change in Ambient Air Quality		Activities
				Construction	Operation	Closure	Post-Closure			Construction	Operation	
Mine Site	Camp 3: Eskay Staging Camp	1	Camp 3 incinerator	X	R			Y	forest	x		Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated.
		2	Camp 3 helipad	X	R			Y	forest	x		
		3	Camp 3 equipment and material storage yard	X	R			Y	forest	x		
		4	Camp 3: Eskay Staging Camp	X	R			Y	forest	x		
		5	Camp 3 septic field	X	R			Y	forest	x		
	Camp 7: Unuk North Camp	6	Camp 7 equipment and material storage yard	X	R			Y	forest	x		Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated.
		7	Camp 7: Unuk North Camp	X	R			Y	forest	x		
		8	Camp 7 helipads	X	R			Y	forest	x		
		9	Camp 7 incinerator	X	R			Y	forest	x		
		10	Camp 7 septic field	X	R			Y	forest	x		
	Camp 8: Unuk South Camp	11	Camp 8 helipad	X	R			Y	forest	x		Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated.
		12	Camp 8 equipment and material storage yard	X	R			Y	forest	x		
		13	Camp 8 incinerator	X	R			Y	forest	x		
		14	Camp 8: Unuk South Camp	X	R			Y	forest	x		
		15	Camp 8 septic field	X	R			Y	forest	x		
	Coulter Creek Access Corridor (CCAC)	16	Coulter Creek access road	X	X	X	R	Y	forest	x	x	Construction of the road and bridge structures will include land clearing, soil stripping and debris burning; foundation preparing; buildings, laydown area and culvert constructing; excavating and filling; and surfacing and grading. Power generator, waste incinerators and various equipment will be operated. Snow sheds and earth berms may be constructed for avalanche protection. Quarries and borrow pits may be required. Quarried rock may be crushed for use as surfacing material. Maintenance activities include grading, resurfacing, cleaning of ditches and culverts, inspecting bridges.
		17	CCAC borrow areas	X	PR			partial	forest	x		
		18	CCAC waste areas	X	R			Y	forest	x		
		19	CCAC log landings	X	R			Y	forest	x		
		20	creek crossing C012	X	X	X	R	Y	forest/riparian	x	x	
		21	creek crossing C043	X	X	X	R	Y	forest/riparian	x	x	
		22	creek crossing C044	X	X	X	R	Y	forest/riparian	x	x	
		23	Coulter Creek bridge (C006)	X	X	X	R	Y	forest/riparian	x	x	
		24	creek crossing C024	X	X	X	R	Y	forest/riparian	x	x	
		25	creek crossing C021	X	X	X	R	Y	forest/riparian	x	x	
		26	Unuk River bridge (C010) (88 m) (three-span bridge)	X	X	X	R	Y	forest/riparian	x	x	
		27	creek crossing C042	X	X	X	R	Y	forest/riparian	x	x	
		28	avalanche control structures (km 26-29)	X	X	X	D	N	NA	x	x	
		29	Gingras Creek bridge (C011)	X	X	X	R	Y	forest	x	x	
	30	Mitchell Creek bridge (C007) (33.5 m)	X	X	X	X	N	NA	x	x		
	Mitchell Operating Camp	31	Mitchell operating camp	X	X	PR	X	partial	forest	x	x	Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated.
		32	Mitchell operating camp helipad	X	X	X	X	N	NA	x	x	
		33	Mitchell operating camp incinerator	X	X	X	X	N	NA	x	x	
		34	Mitchell operating camp septic field	X	X	X	X	N	NA	x	x	
	McTagg Rock Storage Facility (RSF)	35	McTagg access road	X	D			-	NA	x		Construction of the road and rock storage facility include land clearing, soil stripping and debris burning, foundation preparing, and equipment and material hauling. Delivery and placement of rock by haul truck, reconfiguration by dozer, snow storage, diversion of inflow, collection of seepage and runoff.
		36	McTagg Creek bridge	X	D			-	NA	x		
		37	McTagg RSF snow storage		X	D		-	NA		x	
		38	McTagg RSF		X	PR		partial	forest		x	
		39	West McTagg operation channel - North		X			-	NA		x	
		40	West McTagg operation channel - South		X			-	NA		x	
		41	West McTagg closure channel			X	X	N	NA			
		42	West McTagg access road		X	X	X	N	NA		x	
		43	East McTagg closure channel and access road			X	X	N	NA			
		44	North McTagg Diversion Channel		X	X	X	N	NA		x	
	McTagg Twinned Diversion Tunnels (MTDT)	45	McTagg Diversion access road	X	X	X	X	N	NA	x	x	Construction of the infrastructure will involve land clearing, soil stripping, rock excavating, avalanche management preparing, ventilation equipment installing, and development rock removing. This includes diversion ditches, dam facilities, dam spillway, temporary water treatment pond and plant.
		46	McTagg phase 3 flood outlet		X	X	X	N	NA		x	
		47	McTagg phase 2 flood outlet		X/R			Y	forest		x	
		48	McTagg phase 1 flood outlet	X	R			Y	forest	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			
		53	McTagg Twinned Diversion Tunnels	X	X	X	X	N	NA	x		
		54	Phase 3 West McTagg inlet		X	X	X	N	NA		x	
		55	Phase 3 West McTagg dam		X	X	X	N	NA		x	
		56	Phase 3 West McTagg dam spillway		X	X	X	N	NA		x	
		57	Phase 3 East McTagg inlet		X	X	X	N	NA		x	

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				Construction	Operation	Closure	Post-Closure			Construction	Operation		
Mine Site	McTagg Twinned Diversion Tunnels (MTDT) (cont'd)	58	Phase 3 East McTagg dam		X	X	X	N	NA		x	Construction of hydroelectric facilities will involve land clearing, soil stripping, access road constructing, equipment and materials hauling, tower site preparing, tower erecting, and conductors, penstock, powerhouse and energy dissipation system installing. Construction includes land clearing, soil stripping, foundation preparing, ditching, equipment and material hauling, and diversion water collecting. This includes fuel storage facilities, ore and waste rock stockpiles, diversion ditch, muck pad and water treatment area.	
		59	Phase 3 East McTagg dam spillway		X	X	X	N	NA		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		
		64	Phase 1 McTagg inlet		X	D			-	NA	x		
	65	Phase 1 McTagg dam spillway		X	D			-	NA	x			
	McTagg Power Plant	66	McTagg penstock tunnel		X	X	X	N	NA				x
		67	McTagg penstock		X	X	X	N	NA				x
		68	McTagg power plant		X	X	X	N	NA				x
	Mitchell Rock Storage Facility (RSF)	69	North Slope pipeline	X	D			-	NA	x			
		70	North Slope pipeline access road	X	D			-	NA	x			
		71	North Slope diversion ditch		X	D			-	NA			x
		72	North Slope collection ditch		X	X	X	N	NA				x
		73	North Slope diversion buried pipeline	X	X	D			-	NA	x		
		74	North Slope diversion ditch access road	X	X				-	NA	x		x
		75	Mitchell North closure channel				X	X	N	NA			
		76	Upper Mitchell Creek bridge	X	D				-	NA	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		
		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		
		87	Mitchell RSF ore stockpile		X/PR				partial	forest			x
		88	Mitchell Batch Plant	X	D				-	NA	x		
		89	Mitchell Batch Plant gravel stockpile	X	D				-	NA	x		
	90	Mitchell RSF snow storage	X	D				-	NA	x			
	91	Mitchell RSF fuel storage	X	X	X	X	N	NA	NA	x			
	92	Sulphurets waste conveyor 3		X	D			-	NA		x		
	93	Sulphurets waste conveyor 2		X	D			-	NA		x		
	94	Sulphurets waste conveyor 1		X	D			-	NA		x		
	95	Sulphurets waste stockpile		X	D			-	NA		x		
	96	Mitchell RSF	X	X	PR			partial	forest	x	x		
	97	South Mitchell closure channel and access road			X	X	X	N	NA		x		
	98	Mitchell Valley Drainage Tunnel		X	X/D			N	NA		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		
	Mitchell Ore Preparation Complex (Mitchell OPC)	104	Mitchell OPC	X	X	PR			Y	grass	x		x
		105	MTT west portal	X	X				-	NA	x		x
		106	MTT closure portal			X	X	N	NA				
		107	substation 2	X	X				-	NA	x		x
		108	Closure substation			X	X	N	NA				
		109	25 kV transmission lines	X	X	X	X	N	NA	x	x		
		110	Mitchell OPC ore stockpile	X	X	R			Y	grass	x		x
		111	TWT 4 - sediment control pond	X/D					-	NA	x		
		112	Mitchell OPC Primary Crusher	X	X	D			-	NA	x		x
		113	Mitchell OPC snow storage		X	R			Y	grass			x

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Mine Site	Mine Site Avalanche Control	114	fixed avalanche initiation exploders	X	X	X	X	N	NA	x	x	Construction includes land clearing, soil stripping, rock excavating, and other support structure constructing.	
		115	fixed avalanche support structure	X	X	X	X	N	NA	x	x		
		116	fixed avalanche support structure access road	X	X	X	X	N	NA	x	x		
	Iron Cap Block Cave Mine		117	Iron Cap Underground Works		X	D		N	NA		x	Construction includes land clearing, soil stripping, rock excavating, avalanche management preparing, ventilation equipment installing, development rock removing and collection, seepage water treating, sludge collecting and glacier water collection system excavating.
			118	Iron Cap underground access ramp		X	D		N	NA		x	
			119	Iron Cap conveyor 3		X	D		N	NA		x	
			120	Iron Cap conveyor 2		X	D		N	NA		x	
			121	Iron Cap conveyor 1		X	D		N	NA		x	
			122	Iron Cap surface disturbance		X	X	X	N	NA		x	
			123	Iron Cap return air portal		X	X	X	N	NA		x	
			124	Iron Cap ventilation tunnels		X	D		N	NA		x	
			125	Iron Cap fresh air portals (x2)		X	D		N	NA		x	
			Mitchell Pit		126	Mitchell Pit north wall dewatering adits		X	D		N	NA	
	127	Mitchell Pit haul road				X	R		N	grass		x	
	128	Mitchell Pit closure dam					X	X	N	NA			
	129	Mitchell Pit closure dam spillway					X	X	N	NA			
	130	Mitchell Pit Lake discharge pipe					X	X	N	NA			
	131	Mitchell Pit pre-production ore stockpile			X				-	NA	x		
	132	Mitchell Pit			X	X	D		N	pit lake	x	x	
	133	Mitchell Pit Lake					X	X	N	NA			
	134	Mitchell Pit North diversion ditch				X	X/D		N	NA		x	
	135	Mitchell Pit East diversion ditch				X	X/D		N	NA		x	
	Mitchell Block Cave Mine		136	Mitchell Pit South diversion ditch		X	X/D		N	NA		x	Construction involves land clearing, soil stripping, rock excavating, ventilation equipment installing, development rock removing, seepage water collecting and treating (if necessary), and sludge collecting and disposing.
			137	Mitchell Underground Works		X	D		N	NA		x	
			138	Mitchell surface disturbance		X	X	X	N	NA		x	
			139	Mitchell underground access portal		X	D		N	NA		x	
			140	Mitchell underground access ramp		X	D		N	NA		x	
			141	Mitchell underground conveyor tunnel portal		X	D		N	NA		x	
			142	Mitchell underground conveyor		X	D		N	NA		x	
			143	Mitchell underground fresh air raises (x2)		X	D		N	NA		x	
			144	Mitchell underground return air raises (x2)		X	D		N	NA		x	
			145	Mitchell underground drainage tunnels		X	D		N	NA		x	
	Mitchell Diversion Tunnels (MDT)		146	Mitchell diversion contact water ditch	X				-	NA	x		Construction includes land clearing, soil stripping, rock excavating, avalanche management preparing, development rock removing, seepage water treating (if necessary), sludge collecting and disposing, and glacier water collection system excavating.
			147	North Mitchell Glacier collection ditch	X	X	X	X	N	NA	x	x	
			148	North Mitchell Glacier collection ditch access road	X				-	NA	x		
			149	North Mitchell Glacier access road	X	X	X	X	N	NA		x	
			150	Mitchell diversion phase1 surface inlet	X	X			-	NA	x	x	
151			Mitchell Diversion Tunnel access	X	X	X	X	N	NA	x	x		
152			Mitchell diversion phase 2 surface inlet		X	D		N	NA		x		
153			South Mitchell Glacier slope contact water collection ditch			X	X	N	NA				
154			Mitchell flood overflow drainage tunnel	X	X	X	X	N	NA	x			
155			Mitchell Diversion access road	X				-	NA	x			
156			open pit phase sub-glacial inlet	X	X	X	X	N	NA	x	x		
157			underground phase sub-glacial inlet		X	X	X	N	NA		x		
158			Temporary Water Treatment 5	X/D				-	NA	x			
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			
163			Open Pit Phase Mitchell Diversion Tunnel	X	X	X	X	N	NA	x			
164			Underground Phase Mitchell Diversion Tunnel		X	X	X	N	NA		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			

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Mine Site	Mitchell Diversion Tunnels (MDT) (cont'd)	171	MDT temporary diversion construction road	X	R			Y	forest	x		Construction of hydroelectric facilities will involve land clearing, soil stripping, access road constructing, equipment and materials hauling, tower site preparing, tower erecting, and conductors, penstock, powerhouse, and energy dissipation system installing. The truck shop construction involves land clearing, soil stripping, foundation preparing, ditching, culverts and pipes installing, materials hauling and building erecting. Construction includes land clearing, soil stripping, foundation preparing, ditching, equipment and material hauling, avalanche management preparing and earth filling. Monitoring water levels and quality, maintaining inflow diversions, spillway, and diversion maintenance are required.
		172	rock cut stepped spillway	X	X	X	X	N	NA	x	x	
		173	underground phase outlet portal		X	X	X	N	NA		x	
		174	Mitchell Diversion outlet access road	X	X	X	X	N	NA	x	x	
	Upper Sulphurets Power Plant	175	surface penstock on pillars	X	X	X	X	N	NA	x		
		176	penstock buried in road bed	X	X	X	X	N	NA	x		
		177	Upper Sulphurets Power Plant access road	X	X	X	X	N	NA	x	x	
		178	Upper Sulphurets Power Plant	X	X	X	X	N	NA	x		
	Mitchell Truck Shop	179	Mitchell Truck Shop	X	X	R		Y	forest	x	x	
	Water Storage Facility (WSF)	180	WSF bypass buried pipeline	X	X	X	X	N	NA	x	x	
		181	WSF snow storage		X	D		N	NA		x	
		182	WSF borrow pits	X				-	NA	x		
		183	water storage pond	X	X	X	X	N	NA	x		
		184	buried HDPE lined penstock	X	X	X	X	N	NA	x	x	
		185	lined pumping header pond	X	X	X	X	N	NA	x	x	
		186	downstream rockfill quarry area	X	X	R		Y	forest	x	x	
		187	Selenium Treatment Plant		X	X	X	N	NA		x	
		188	WSF diversion tunnel	X	X	X	X	N	NA	x		
		189	Temporary Water Treatment 7	X/R				N	NA	x		
		190	WSF construction access road	X/D				-	NA	x		
		191	WSF construction cofferdams	X/D				-	NA	x		
		192	Water Storage dam (WSD)	X	PR	X	X	Y	forest	x	x	
		193	WSD west lower seepage interception tunnel	X	X	X	X	N	NA	x	x	
194		WSD west upper seepage interception tunnel	X	X	X	X	N	NA	x	x		
195		WSD east lower seepage interception tunnel	X	X	X	X	N	NA	x	x		
196		WSD east upper seepage interception tunnel	X	X	X	X	N	NA	x	x		
197		WSD southeast seepage interception tunnel	X	X	X	X	N	NA	x	x		
198		WSD southwest seepage interception tunnel	X	X	X	X	N	NA	x	x		
199		WSF pipeline	X	X	X	X	N	NA	x	x		
200	WSF spillway	X	X	X	X	N	NA	x	x			
201	WSF seepage dam	X	X	X	X	N	NA	x	x			
202	WSF seepage collection pond	X	X	X	X	N	pond/wetland	x	x			
203	WSF seepage dam spillway	X	X	X	X	N	NA	x	x			
204	southeast WSF diversion	X	X	X	X	N	NA	x	x			
205	temporary construction bridge	X/D				-	NA	x				
206	Lower Mitchell closure channel access road			X	X	N	NA					
207	Lower Mitchell closure channel			X	X	N	NA					
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			
	211	Camps 9 and 10 helipad	X	R			Y	forest	x			
	212	Camp 9 and 10 incinerator	X	R			Y	forest	x			
	213	Camp 10 septic field	X	R			Y	forest	x			
Water Treatment and Energy Recovery Area	214	penstock to WTP	X	X	X	X	N	NA	x	x		
	215	Energy Recovery Facility	X	X	X	X	N	NA	x	x		
	216	Water Treatment Plant (WTP)	X	X	X	X	N	NA	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		
	219	sludge landfill	X/R				Y	forest	x			
Sulphurets Laydown Area	220	sludge storage			X	X	N	NA				
	221	Sulphurets access road	X	X	PR	X	partial	forest	x	x		
	222	Satellite Maintenance Facility		X	R		Y	forest		x		
	223	Sulphurets snow storage	X	X	R		Y	forest	x	x		

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Mine Site	Sulphurets Laydown Area (cont'd)	224	Sulphurets diversion ditch	X	X	R		Y	forest	x	x	Construction includes land clearing, soil stripping, laydown area constructing, excavating, filling, culvert installing, surfacing, and grading. Quarries rock may be crushed for use as surfacing material. It is a conventional open pit which uses mining methods including drilling, blasting, loading, and hauling. Mining activities will be conducted 24 hours a day and 365 days per year. Land clearing and tower grubbing, tower footprint grubbing, belt conveyor constructing, rope conveyor towers erecting, and rope conveyor stringing. It is a conventional open pit which uses mining methods including drilling, blasting, loading, and hauling. Mining activities will be conducted 24 hours a day and 365 days per year. Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated. Construction includes land clearing, soil stripping, foundation preparing, material hauling, and magazine installing. This is the area for explosives manufacture and storage. Construction of the road includes land clearing and soil stripping, laydown area constructing, excavating, filling, culvert installing, surfacing and grading. Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated. Construction includes land clearing, soil stripping, laydown area constructing, excavating, filling, culvert installing, surfacing, and grading. Quarries rock may be crushed for use as surfacing material. Other infrastructure includes temporary water treatment, access road and ventilation. Construction involves land clearing, soil stripping, rock excavating, ventilation equipment installing, development rock removing, seepage water collecting and treating (if necessary), and glacier water collection system excavating and muck ponds excavating.
		225	Sulphurets collection ditch	X	X			-	NA	x	x	
		226	landfarm/landfill	X	R			Y	forest	x		
		227	Sulphurets laydown area	X	X/R			Y	forest	x	x	
	Sulphurets-Mitchell Conveyor Tunnel	228	Sulphurets-Mitchell Conveyor Tunnel		X	D		N	NA		x	
		229	Sulphurets-Mitchell Conveyor Tunnel portals		X	R		Y	forest		x	
		230	conveyor stockpile		X	R		Y	forest		x	
		231	conveyor 1 to Sulphurets portal		X	R		Y	forest		x	
		232	conveyor 2 to Sulphurets portal		X	R		Y	forest		x	
	Sulphurets Pit	233	Sulphurets Pit crusher		X	R		Y	forest		x	
		234	Sulphurets Pit	X	X	D		N	NA	x	x	
		235	Sulphurets Pit Backfill			X	PR	partial	forest			
		236	Sulphurets Pit drainage collection ditch	X/D				-	NA	x		
		237	Sulphurets Pit drainage pipeline to Selenium Treatment		X	X	X	N	NA		x	
		238	Sulphurets Pit drainage pipeline to WSF	X	X	X	X	N	NA	x		
		239	Sulphurets Pit diversion and collection system		X	X	X	N	NA		x	
	Kerr rope conveyor	240	Kerr rope conveyor		X	R		Y	forest		x	
		241	conveyor stockpile		X	R		Y	forest		x	
	Kerr Pit	242	Kerr Pit access road		X	PR	X	partial	forest		x	
		243	Kerr Pit snow storage		X	R		Y	forest		x	
		244	Kerr Pit crusher		X	R		Y	forest		x	
		245	Kerr Pit		X	D		N	pit lake		x	
		246	South Kerr Pit Lake			X	X	N	NA			
		247	Kerr Pit dewatering pipeline		X	X	X	N	NA		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	
		254	Sulphurets bridge	X	X	X	X	N	NA	x	x	
		255	initial construction borrow and spoil area	X	X	R		Y	forest	x	x	
256		secondary construction borrow and spoil area			X/R		Y	forest				
257		closure cover borrow and till storage areas	X	X	X/R		Y	forest	x	x		
258		secondary closure cover borrow and till storage area		X	X/R		Y	forest		x		
259		explosives access road	X	X	R		Y	forest	x	x		
260		explosives magazine	X	X	R		Y	forest	x	x		
261		AN Prill Storage access road	X	X	R		Y	forest	x	x		
262		AN prill storage area	X	X	R		Y	forest	x	x		
263		Explosives Manufacturing Facility	X	X	R		Y	forest	x	x		
Temporary Frank Mackie Glacier Access Route	264	Temporary Frank Mackie Glacier access route	X/D				N	NA	x			
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)	269	Mitchell-Treaty Conveyor Tunnel	X	X	X	X	N	NA	x	x	
		270	Mitchell-Treaty Transportation Tunnel	X	X	X	X	N	NA	x	x	
	construction access adit	271	construction access portal	X	X	X	X	N	NA	x		
		272	Adit Temporary Water Treatment 9	X	D			N	NA	x		
		273	Adit TWT - unlined muck pad	X	D			N	NA	x		
		274	Adit TWT - sediment control pond	X	D			N	NA	x		

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				Construction	Operation	Closure	Post-Closure			Construction	Operation		
Processing and Tailing Management Area (PTMA)	construction access adit (cont'd)	275	Adit TWT - lined muck pad	X	D			N	NA	x		Construction involves land clearing, soil stripping, rock excavating, avalanche management preparing, development rock removing, seepage water collecting and treatment if necessary, sludge collecting and disposing, and glacier water collection system excavation. Area will be designated for borrow, waste and till stockpiles, fueling station, laydown area and explosive magazine storage.	
		276	Adit TWT - collection sump	X	D			N	NA	x			
		277	Adit TWT - diversion ditch	X	D			N	NA	x			
		278	Treaty Adit road	X	X	X	X	N	NA	x	x		
		279	cable buried under road	X	D			N	NA	x			
		280	tunnel muck drainage pipeline buried under road	X	D			N	NA	x			
	Mitchell-Treaty Saddle Area		281	Saddle portal	X	X	X	X	N	NA	x		x
			282	Saddle wash plant	X	R			Y	grass/shrub	x		
			283	Saddle helipad	X	R			Y	grass/shrub	x		
			284	Saddle Temporary Water Treatment 4	X	R			Y	grass/shrub	x		
			285	Saddle TWT - lined muck pad	X	R			Y	grass/shrub	x		
			286	Saddle TWT - unlined muck pad	X	R			Y	grass/shrub	x		
			287	Saddle TWT - temporary treatment plant	X	R			Y	grass/shrub	x		
			288	Saddle TWT - sediment control ponds	X	R			Y	grass/shrub	x		
			289	Saddle TWT - diversion ditch	X	R			Y	grass/shrub	x		
			290	Saddle fueling station and tank farm	X	R			Y	grass/shrub	x		
			291	Saddle laydown area	X	R			Y	grass/shrub	x		
			292	Saddle explosives magazine	X	R			Y	grass/shrub	x		
			293	construction generator	X	R			Y	grass/shrub	x		
			294	Treaty Saddle road	X	X	X	X	N	NA	x		x
	Camp 6: Treaty Saddle Camp		298	Camp 6 incinerator	X	R			Y	grass/shrub	x		
			299	Camp 6 helipad	X	R			Y	grass/shrub	x		
			300	Camp 6: Treaty Saddle Camp	X	R			Y	grass/shrub	x		
			301	Camp 6 equipment and material storage yard	X	R			Y	grass/shrub	x		
			302	Camp 6 septic field	X	R			Y	grass/shrub	x		
	Camp 5: Treaty Plant Camp		303	Camp 5: Treaty Plant Camp	X	R			Y	grass/shrub	x		
	Treaty Operating Camp		304	water supply well	X	X	X	X	N	NA	x		x
			305	construction explosives storage	X/R				Y	grass/shrub	x		
			306	water pipeline	X	X	X	X	N	NA	x		x
			307	water supply well access road	X	X	X	X	N	NA	x		x
			308	Treaty operating camp incinerator	X	X	X	X	N	NA	x		x
			309	Treaty operating camp	X	X	PR	X	partial	grass/shrub	x		x
Treaty Ore Preparation Complex		310	Treaty operating camp septic field	X	X			-	NA	x	x		
		311	Temporary Water Treatment 8	X	R			Y	grass/shrub	x			
		312	TWT 8 - unlined muck pad	X	R			Y	grass/shrub	x			
		313	TWT 8 - sediment control pond	X	R			Y	grass/shrub	x			
		314	MTT process plant portal	X	X	X	X	N	NA	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			
		317	Treaty helipad	X	X	R		Y	grass/shrub	x	x		
		318	Treaty construction laydown area	X	R			Y	grass/shrub	x			
		319	Treaty waste management facilities	X	X	R		Y	grass/shrub	x	x		
		320	Treaty warehouse and warehouse pad	X	X	R		Y	grass/shrub	x	x		
		321	Treaty maintenance shop	X	X	R		Y	grass/shrub	x	x		
		322	Treaty lab	X	X	R		Y	grass/shrub	x	x		
		323	CIL Plant	X	X	R		Y	grass/shrub	x	x		
324	substation 1	X	X	X	X	N	NA	x	x				
325	25 kV transmission line	X	X	X	X	N	NA	x					
326	Treaty Process Plant	X	X	R		Y	grass/shrub	x	x				
327	TWT 10 - sediment control pond	X	X	X	R	Y	grass/shrub	x	x				
328	TWT 10 - collection ditch and pipeline	X	R			Y	grass/shrub	x					

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				Construction	Operation	Closure	Post-Closure			Construction	Operation		
Processing and Tailing Management Area (PTMA)	Treaty Ore Preparation Complex (cont'd)	329	High Pressure Grinding Rolls (HPGR) Mill	X	X	R		Y	grass/shrub	x	x		
		330	Treaty OPC fine ore stockpile		X	R		Y	grass/shrub		x		
		331	Treaty OPC stormwater runoff pipeline		X	X	R	Y	grass/shrub		x		
		332	Treaty OPC coarse ore stockpile		X	R		Y	grass/shrub		x		
		333	Treaty SEC Crusher Building	X	X	R		Y	grass/shrub	x	x		
		334	Treaty office complex	X	X	X	X	N	NA	x	x		
		335	Treaty ambulance building	X	X	X	X	N	NA	x	x		
		336	container storage area	X	X	R		Y	grass/shrub	x	x		
		337	cold storage	X	X	R		Y	grass/shrub	x	x		
		338	Treaty CSCF/landfarm/landfill	X	X	X	R	Y	grass/shrub	x	x		
		339	Treaty OPC Batch Plant stockpile	X	X	R		Y	grass/shrub	x	x		
		340	Treaty OPC Batch Plant	X	X	R		Y	grass/shrub	x	x		
		341	Treaty fuel storage	X	X	R		Y	grass/shrub	x	x		
		342	Treaty OPC access road	X	X	R		Y	grass/shrub	x	x		
	343	Treaty OPC site collection and diversion ditches	X	X	X	R	Y	grass/shrub	x	x			
	344	Treaty Administration Building	X	X	X	X	Y	grass/shrub	x	x			
		Concentrate Storage and Loadout	345	concentrate storage and loadout area		X	R		Y	grass/shrub		x	Activities include land clearing, soil stripping, foundation preparing, diversion ditching, materials hauling, and diversion water collecting. High volumes of concentrate will temporarily stored in this area.
		North Cell Tailing Management Facility	346	North Cell till stockpile	X	X	R		Y	grass/shrub	x	x	Site preparation will commence with land clearing and soil stripping. Construction will also include a laydown area, access road, foundation and water diversion, equipment and materials hauling, quarries and borrow pits, temporary water treatment facilities, borrow area, waste pile, dam, collection ditch, sediment control ponds, and soil storage areas.
	347		North Cell soil storage area	X	X	R		Y	grass/shrub	x	x		
	348		TWT 11 - sediment control pond	X	X	X	R	Y	grass/shrub	x	x		
	349		TWT 11 - collection ditch and pipeline	X	X	X	R	Y	grass/shrub	x	x		
	350		TWT 9 - sediment control pond	X	X	R		Y	forest	x	x		
	351		TWT 9 - pipeline	X	X	R		Y	forest	x	x		
	352		North Cell seepage collection dam	X	PR	X	X	partial	grass/shrub	x			
	353		North Cell seepage collection dam spillway	X	X	X	X	N	NA	x	x		
	354		North Cell seepage collection pond	X	X	X	X	N	pond/wetland	x	x		
	355		North Cell seepage reclaim pipeline	X	X	X	X	N	NA	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			
	360		North Cell borrow area	X/D				-	NA	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				
364	North Cell			X/PR	X	R	Y	forest		x			
365	North Cell closure pond			X	PR		Y	pond/wetland		x			
366	reclaim barge		X	D		-	NA		x				
367	gravel beach cover		X	X	R	Y	wetland		x				
368	pump house with potential clarification system	X	X	X		-	NA	x	x				
369	Northwest Diversion	X	X	X	R	Y	forest	x	x				
370	TMF Discharge Pipeline	X	X	X	D	N	NA	x	x				
	East Catchment Diversion	371	East Catchment diversion tunnel portal access road	X	X	X	X	Y	forest	x	x	Activities include land clearing, soil stripping, laydown area constructing, excavating and filling, culvert installing, surfacing, and grading. Quarried rock may be crushed for use as surfacing material. Other infrastructures include temporary water treatment, road access, receiving recycled TMF supernatant, generating electricity from inflowing recycled water, receiving and storing diesel, ventilation, maintenance of facilities, transport of personnel and supplies, maintenance of avalanches.	
372		East Catchment diversion tunnel portal		X	R		Y	forest		x			
373		northeast buried pipeline	X	X	X	R	N	NA	x	x			
374		northeast service road	X	X	X	R	Y	forest	x	x			
375		northeast diversion ditch	X	X	X	PR	Y	forest	x	x			
376		East Catchment diversion tunnel phase 1	X	X	D		N	NA	x	x			
377		East Catchment diversion tunnel phase 2		X	X	D	N	NA		x			
378		East Catchment diversion dam	X	PR	X	R	Y	grass/shrub	x				
379		East Catchment diversion dam spillway	X	X	X	R	Y	grass/shrub	x	x			
380		East Catchment diversion pond	X	X	X	R	Y	grass/shrub	x	x			
381		TWT 13 - sediment control pond	X	R			Y	grass/shrub	x				
382		Upper East Catchment diversion dam	X	PR	X	R	Y	grass/shrub	x				
383		Upper East Catchment diversion pond	X	X	X	R	Y	grass/shrub	x	x			

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				Construction	Operation	Closure	Post-Closure			Construction	Operation	
Processing and Tailing Management Area (PTMA)	East Catchment Diversion (cont'd)	384	Upper East Catchment diversion dam spillway	X	X	X	R	Y	grass/shrub	x	x	Site preparation will commence with land clearing and soil stripping. Construction will also include a laydown area, access road, foundation and water diversion, and equipment and materials hauling.
		385	TWT 12 - sediment control pond	X	R			Y	grass/shrub	x		
	Centre Cell Tailing Management Facility	386	Centre Cell borrow area	X/D				-	NA	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	
		390	CIL Lined Pond		X	X	R	Y	pond/wetland		x	
		391	reclaim barges (x2)		X	X	D	-	NA		x	
		392	Saddle starter dam	X				-	NA	x		
		393	Saddle dam construction diversion	X/D				-	NA	x		
		394	Saddle dam construction southern diversion	X/D				-	NA	x		
		395	Saddle dam construction diversion access road	X/D				-	NA	x		
		396	Saddle seepage dam construction access road	X/D				-	NA	x		
		397	Saddle dam	X	X	PR	R	Y	forest	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			
		406	post-closure gravel beach cover				X/R	Y	wetland			
		407	post-closure cell				R	Y	forest			
		South Cell Tailing Management Facility	408	Southeast service road	X	X	X	R	Y	forest	x	
	409		Southeast diversion ditch	X	X	X	R	Y	forest	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	
	414		South Cell		X	PR	R	Y	forest		x	
	415		South Cell pond		X			-	NA		x	
	416		South Cell closure pond				X/PR	Y	pond/wetland			
	417		gravel beach cover			X	R	Y	wetland			
	418		reclaim barge		X	X	D	-	NA		x	
	419		southeast dam		X/PR	X	R	Y	grass/shrub		x	
	420		southeast starter dam		X			-	NA		x	
	421		southeast dam diversion ditch		X	X	X	N	NA		x	
	422		South Cell seepage reclaim pipeline		X	X	X	N	NA		x	
	423		South Cell borrow area		X/R			Y	grass/shrub		x	
	424		TWT 15 - sediment control structure		X/R			Y	grass/shrub		x	
	425		TWT 15 - pipeline		X/R			Y	grass/shrub		x	
	426		Treaty Creek closure spillway			X	X	N	NA			
	427		southeast seepage collection dam		X	PR	X	partial	forest		x	
428	southeast seepage collection pond			X	X	X	N	pond/wetland		x		
429	southeast seepage collection dam spillway			X	X	X	N	NA		x		
430	southeast seepage collection dam construction access road			X	X	X	N	NA		x		
431	South Cell soil storage area		X	R		Y	forest		x			
Treaty Creek Access Corridor	432	North Treaty upper road	X	X	X	X	N	NA	x	x		
	433	Treaty Creek Transmission Line	X	X	X	X	N	NA	x	x		
	434	southwest diversion ditch	X	X	X	PR	partial	forest	x	x		
	435	TCAR channel armouring and diversion dams	X	PR	X	X	partial	grass	x			
	436	southwest diversion access road	X	X	X	X	N	NA	x	x		
	437	Treaty Creek access road (TCAR)	X	X	X	X	N	NA	x	x		
	438	TCAR borrow areas	X	R			Y	forest	x			
	439	TCAR waste areas	X	R			Y	forest	x			
	440	TCAR log landings	X	R			Y	forest	x			

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Processing and Tailing Management Area (PTMA)	Treaty Creek Access Corridor (cont'd)	441	creek crossing R053	X	X	X	X	N	NA	x	x	
		442	creek crossing R049	X	X	X	X	N	NA	x	x	
		443	creek crossing R047	X	X	X	X	N	NA	x	x	
		444	North Treaty Creek bridge (R045)	X	X	X	X	N	NA	x	x	
		445	creek crossing R037	X	X	X	X	N	NA	x	x	
		446	creek crossing R038	X	X	X	X	N	NA	x	x	
		447	creek crossing R036	X	X	X	X	N	NA	x	x	
		448	creek crossing R035	X	X	X	X	N	NA	x	x	
		449	creek crossing R034	X	X	X	X	N	NA	x	x	
		450	Bell-Irving River bridge (R033)	X	X	X	X	N	NA	x	x	
	Camp 11: Treaty Marshalling Yard Camp	451	Camp 11: Treaty Marshalling Yard Camp	X	R			Y	forest	x		Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated.
		452	Camp 11 Treaty marshalling yard	X	R			Y	forest	x		
		453	Camp 11 incinerator	X	R			Y	forest	x		
	Camp 12: Highway 37 Construction Camp	454	Camp 12: Highway 37 Construction Camp	X/R				Y	forest	x		Construction of camp will include land clearing, soil stripping and debris burning, foundation preparing, buildings and laydown area constructing. Power generator, waste incinerators and various equipment will be operated.
		455	Camp 12 incinerator	X/R				Y	forest	x		
Off-site Transportation	Highway 37 and 37A	456	Highway 37	X	X	X	X	N	NA	x	x	Activities in this area include maintenance (grading, resurfacing, cleaning of ditches and culverts, inspecting bridges), transport of personnel, explosives, equipment, and supplies to the mine site, and avalanche maintenance.
		457	Highway 37A	X	X			N	NA	x	x	

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