APPENDIX 19-B NOISE SCOPING TABLE



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

- = 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.

				-	-				,				
Project Region	Project Area	ID #	Project Component	Construction	Operation eyd	Closure	Post-Closure	Reclamation (Y/partial/N)	Closure Objective	Change in Noise Levels during Construction	Change in Noise Levels during Operation		
Vine Site	McTagg Twinned	58	Phase 3 East McTagg dam		Х	Х	Х	N	NA		х		
	Diversion Tunnels (MTDT)	59	Phase 3 East McTagg dam spillway		Х	Х	Х	N	NA		Х]	
	(cont'd)	60	Phase 2 McTagg inlet		X/D			-	NA		х		
		61	Phase 2 McTagg dam		X/D			-	NA		х		
		62	Phase 2 McTagg dam spillway		X/D			-	NA		x		
		63	Phase 1 McTagg dam	Х	D			-	NA	х			
		64	Phase 1 McTagg inlet	Х	D			-	NA	х			
		65	Phase 1 McTagg dam spillway	Х	D			-	NA	х			
	McTagg Power Plant	66	McTagg penstock tunnel		Х		Х	N	NA		х	Construction of hydroelectric fa	
		67	McTagg penstock		Х	Х		N	NA		x	stripping, access road constru-	
		68	McTagg power plant		Х	Х	Х	N	NA		x	tower site preparing, tower ere powerhouse and energy dissip	
	Mitchell Rock Storage	69	North Slope pipeline	Х	D			-	NA	х		Construction includes land clea	
	Facility (RSF)	70	North Slope pipeline access road	Х	D			-	NA	х		ditching, equipment and mater	
		71	North Slope diversion ditch		Х	D		-	NA		х	This includes fuel storage facil	
		72	North Slope collection ditch		Х	Х	Х	N	NA		x	diversion ditch, muck pad and	
		73	North Slope diversion buried pipeline	Х	Х	D		-	NA	х	х		
		74	North Slope diversion ditch access road	Х	Х			-	NA	х	x		
		75	Mitchell North closure channel			Х	Х	N	NA				
		76	Upper Mitchell Creek bridge	Х	D			-	NA	х			
		77	Mitchell RSF landbridge		X/D			-	NA		x		
		78	Temporary Water Treatment (TWT) 6	X/D				-	NA	х			
		79	TWT 6 - sediment control pond	X/D				-	NA	х			
		80	TWT 6 - lined muck pad	X/D				-	NA	х			
		81	TWT 6 - water treatment plant	X/D				-	NA	х			
		82	TWT 6 - lined pond	X/D				-	NA	х			
		83	TWT 6 - diversion ditch	X/D				-	NA	х			
		84	TWT 6 - unlined muck pad	X/D				-	NA	х			
		85	TWT 6 - buried pipeline	X/D				-	NA	х			
		86	Mitchell RSF pre-production ore stockpile	Х				-	NA	х			
		87	Mitchell RSF ore stockpile	_	X/PR			partial	forest		х		
		88	Mitchell Batch Plant	Х	D			-	NA	х			
		89	Mitchell Batch Plant gravel stockpile	Х	D			-	NA	х			
		90	Mitchell RSF snow storage	Х	D			-	NA	х		_	
		91	Mitchell RSF fuel storage	Х	Х	Х	Х	N	NA	х			
		92	Sulphurets waste conveyor 3		Х	D		-	NA		х	_	
		93	Sulphurets waste conveyor 2		Х	D		-	NA		х		
		94	Sulphurets waste conveyor 1		Х	D		-	NA		х	_	
		95	Sulphurets waste stockpile		Х	D		-	NA		x	_	
		96	Mitchell RSF	Х	Х	PR		partial	forest	х	x	_	
		97	South Mitchell closure channel and access road				Х	N	NA				
		98	Mitchell Valley Drainage Tunnel		Х	X/D		N	NA		x		
	Camp 4: Mitchell North	99	Camp 4: Mitchell North Camp	X/D				-	NA	х		Construction of camp will inclu	
	Camp (for MTT	100	Camp 4 helipad	X/D				-	NA	х		burning, foundation preparing,	
	construction)	101	Camp 4 incinerator	X/D				-	NA	х		Power generator, waste incine operated.	
		102	Camp 4 equipment and material storage yard	X/D				-	NA	х			
		103	Camp 4 septic field	X/D				-	NA	х			
	Mitchell Ore Preparation	104	Mitchell OPC	Х		PR		Y	grass	х	х	Construction activities include	
	Complex (Mitchell OPC)	105	MTT west portal	Х	Х			-	NA	х	x	constructing, foundation prepa	
		106	MTT closure portal			Х	Х	N	NA		ļ	material haulingavalanche mai equipment and stockpile stora	
		107	substation 2	Х	Х			-	NA	x	х	primary crushing and transferr	
		108	Closure substation				Х	N	NA	ļ	ļ	-	
		109	25 kV transmission lines	Х	X	Х	Х		NA	x	х	4	
		110	Mitchell OPC ore stockpile	Х	Х	R		Y	grass	х	х	4	
		111	TWT 4 - sediment control pond	X/D		1	1	-	NA	х			
					• *	-						-	
		112 113	Mitchell OPC Primary Crusher Mitchell OPC snow storage	Х	X X	D R		- Y	NA grass	х	x x		

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Activities
ic facilities will involve land clearning, soil
tructing, equipment and materials hauling, erecting, and conductors, penstock, ssipation system installing.
clearing, soil stripping, foundation preparing, aterial hauling, and diversion water collecting.
acilities, ore and waste rock stockpiles, and water treatment area.
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. cinerators and various equipment will be
de land clearing, soil stripping, laydown area eparing, snow storage installing, ditching, management preparing, building erecting, and orage installing. Activities in this area involve erring by conveyrors.

					Pha	se						
Project Region	Project Area	ID #	Project Component	Construction	Operation	Closure	Ъö	Reclamation (Y/partial/N)	Closure Objective	Change in Noise Levels during Construction	Change in Noise Levels during Operation	
Mine Site	Mine Site Avalanche	114	fixed avalanche initiation exploders	Х	Х	Х		N	NA	Х	Х	Construction includes land cle
	Control	115	fixed avalanche support structure	Х	Х	Х		N	NA	х	х	other support structure constr
		116	fixed avalanche support structure access road	Х	Х	Х	Х	N	NA	х	х	
	Iron Cap Block Cave Mine	117	Iron Cap Underground Works		Х	D		N	NA		Х	Construction includes land cl
		118	Iron Cap underground access ramp		X	D		N	NA		х	avalanche management prep development rock removing a
		119	Iron Cap conveyor 3		X	D		N	NA	-	X	sludge collecting and glacier
		120	Iron Cap conveyor 2		X	D		N	NA	-	Х	
		121	Iron Cap conveyor 1		X	D	v	N	NA NA		X	-
		122	Iron Cap surface disturbance		X	X		N N	NA		X	-
		123 124	Iron Cap return air portal		X	X D	~	N	NA NA		X	-
			Iron Cap ventilation tunnels		X	D		N	NA		X	-
	Mitchell Pit	125 126	Iron Cap fresh air portals (x2) Mitchell Pit north wall dewatering adits		X X	D		N	NA		x x	This is a conventional open a
		120	Mitchell Pit haul road		X	R		N			x	This is a conventional open p blasting, loading and hauling.
		127	Mitchell Pit closure dam		^	X	х	N	grass NA	-	^	hours per day and 365 days
		120	Mitchell Pit closure dam spillway			X		N	NA			Maintenance of haul roads, a
		130	Mitchell Pit Lake discharge pipe			X	X	N	NA	-		required during operation.
		131	Mitchell Pit pre-production ore stockpile	х		~	~	-	NA	x		-
		132	Mitchell Pit	X	Х	D		N	pit lake	x	х	-
		133	Mitchell Pit Lake	~	~	X	Х	N	NA	~	~	-
		134	Mitchell Pit North diversion ditch		x	X/D		N	NA		х	-
		135	Mitchell Pit East diversion ditch		X	X/D	_	N	NA		x	-
		136	Mitchell Pit South diversion ditch		X	X/D		N	NA		x	-
	Mitchell Block Cave Mine	137	Mitchell Underground Works		X	D		N	NA		x	Construction involves land cle
	Millenen Block Gave Mille	138	Mitchell surface disturbance		X		Х	N	NA		x	ventalation equipment installing
		139	Mitchell underground access portal		X	D		N	NA		x	water collecting and treating (
		140	Mitchell underground access ramp		X	D		N	NA		x	disposing.
		141	Mitchell underground conveyor tunnel portal		X	D		N	NA		x	1
		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	146	Mitchell diversion contact water ditch	Х				-	NA	x		Construction include land clea
	(MDT)	147	North Mitchell Glacier collection ditch	Х	Х	Х	Х	N	NA	x	х	avalanche management prep
		148	North Mitchell Glacier collection ditch access road	Х				-	NA	x		seepage water treating (if neo
		149	North Mitchell Glacier access road	Х	Х	Х	Х	N	NA		х	and glacier water collection s
		150	Mitchell diversion phase1 surface inlet	Х	Х			-	NA	x	х	1
		151	Mitchell Diversion Tunnel access	Х	Х	Х	Х	N	NA	x	х	1
		152	Mitchell diversion phase 2 surface inlet		Х			N	NA		х	
			South Mitchell Glacier slope contact water collection ditch				Х	N	NA			
		154	Mitchell flood overflow drainage tunnel	Х	Х	Х		N	NA	х		
		155	Mitchell Diversion access road	Х				-	NA	х		
		156	open pit phase sub-glacial inlet	Х	Х	Х	Х	N	NA	х	х	
		157	underground phase sub-glacial inlet		Х	Х	Х	N	NA		х	
		158	Temporary Water Treatment 5	X/D				-	NA	х		
		159	TWT 5 - lined muck pad	X/D				-	NA	х		
		160	TWT 5 - unlined muck pad	X/D				-	NA	х		
		161	TWT 5 - sediment control pond	X/D				-	NA	х		
		162	TWT 5 - diversion ditch	X/D		L		-	NA	Х]
		163	Open Pit Phase Mitchell Diversion Tunnel	Х	Х	Х	Х	N	NA	x		1
		164	Underground Phase Mitchell Diversion Tunnel		Х	Х		N	NA		х	1
		165	Temporary Water Treatment 3	X/R		1	1	Y	forest	x		1
		166	TWT 3 - unlined muck pad	X/R				Y	forest	x]
		167	TWT 3 - lined muck pad	X/R				Y	forest	х]
				X/R				Y	forest	х		1
		168	TWT 3 - water treatment facility						lorest	A		
		168 169	TWT 3 - water treatment facility TWT 3 - sediment control pond TWT 3 - diversion ditch	X/R X/R				Y Y	forest	x		

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Activities
clearing, soil stripping, rock excavating, and structing.
clearing, soil stripping, rock excavating, eparing, ventalation equipment installing, and collection, seepage water treating, r water collection system excavating.
pit with mining methods including drilling, g. Mining activities will be conducted 24
s per year. Pre-production ore is stockpiled. avalanche management and pit walls is
clearing, soil stripping, rock excavating, lling, development rock removing, seepage g (if necessary), and sludge collecting and
learing, soil stripping, rock excavating, eparing, development rock removing, ecessary), sludge collecting and disposing, system excavating.

					Pha	ise						
Region	Project Area	ID #	Project Component	Construction	Operation	Closure	Post-Closure	Reclamation (Y/partial/N)	Closure Objective	Change in Noise Levels during Construction	Change in Noise Levels during Operation	
e	Mitchell Diversion Tunnels	171	MDT temporary diversion construction road	Х	R			Ý	forest	х		
	(MDT) (cont'd)	172	rock cut stepped spillway	Х	Х	Х	Х	N	NA	x	х	
		173	underground phase outlet portal		Х	Х	Х		NA		х	
Upper Su Plant		174	Mitchell Diversion outlet access road	Х	Х	Х	Х	N	NA	х	х	
	Upper Sulphurets Power	175	surface penstock on pillars	Х	Х	Х	Х	N	NA	x		Construction of hydroelectric fa
	Plant	176	penstock buried in road bed	Х	Х	Х	Х		NA	x		stripping, access road constru-
		177	upper Sulphurets Power Plant access road	Х	Х	Х	Х	N	NA	х	х	tower site preparing, tower ere
		178	upper Sulphurets Power Plant	Х	Х	Х	Х		NA	х		powerhouse and energy dissip
	Mitchell Truck Shop	179	Mitchell Truck Shop	X	Х	R		Y	forest	х	x	The truck shop construction in foundation preparing, ditching, hauling and building erecting.
	Water Storage Facility	180	WSF bypass buried pipeline	Х	Х	Х	Х	N	NA	х	х	Construction includes land clea
	(WSF)	181	WSF snow storage		Х	D		N	NA		х	ditching, equipment and mater
		182	WSF borrow pits	Х				-	NA	х		preparing and earth filling. Mor
		183	water storage pond	Х	Х	Х	Х	N	NA	х		maintaining inflow diversions,
		184	buried HDPE lined penstock	Х	Х	Х	Х	N	NA	х	х	required.
		185	lined pumping header pond	Х	Х	Х	Х	N	NA	х	х	
		186	downstream rockfill quarry area	Х	Х	R		Y	forest	х	х	
		187	Selenium Treatment Plant		Х	Х	Х	N	NA		х	
		188	WSF diversion tunnel	Х	Х	Х	Х	N	NA	х		
		189	Temporary Water Treatment 7	X/R				N	NA	х		
		190	WSF construction access road	X/D				-	NA	х		
		191	WSF construction cofferdams	X/D				-	NA	х		
		192	Water Storage dam (WSD)	Х	PR	Х	Х	Y	forest	х	х	-
		193	WSD west lower seepage interception tunnel	Х	Х	Х	Х	N	NA	х	х	-
		194	WSD west upper seepage interception tunnel	Х	Х	Х	Х	N	NA	х	х	
		195	WSD east lower seepage interception tunnel	Х	Х	Х	Х	N	NA	х	х	-
		196	WSD east upper seepage interception tunnel	Х	Х	Х	Х	N	NA	х	х	
		197	WSD southeast seepage interception tunnel	Х	Х	Х	Х	N	NA	х	х	-
			WSD southwest seepage interception tunnel	Х	Х	Х	Х	N	NA	х	х	
		199	WSF pipeline	Х	Х	Х	Х	N	NA	х	х	
		200	WSF spillway	Х	Х	Х	Х		NA	х	х	
		201	WSF seepage dam	Х	Х	Х	Х	N	NA	х	х	
		202	WSF seepage collection pond	Х	Х	Х	Х	N	pond/wetland	х	х	
		203	WSF seepage dam spillway	Х	Х	Х	Х	N	NA	х	х	
		204	southeast WSF diversion	Х	Х	Х	Х	N	NA	x	х	
		205	temporary construction bridge	X/D				-	NA	x		
		206	Lower Mitchell closure channel access road				Х		NA			
			Lower Mitchell closure channel			Х	Х	N	NA			
	Camp 9: Mitchell Initial	208	Camp 9: Mitchell Initial Camp	X/R				Y	forest	x		Construction of camp will inclu
	Camp	209	Camp 9 septic field	X/R				Y	forest	x		burning, foundation preparing, Power generator, waste incine operated.
	Camp 10: Mitchell		Camp 10: Mitchell Secondary Camp	Х	R			Y	forest	Х		Construction of camp will inclu
	Secondary Camp		Camps 9 and 10 helipad	Х	R			Y	forest	х		burning, foundation preparing,
			Camp 9 and 10 incinerator	Х	R			Y	forest	х		Power generator, waste incine
		213	Camp 10 septic field	Х	R			Y	forest	х		operated.
	Water Treatment and	214	penstock to WTP	Х	Х	Х			NA	х	х	Construction includes land clea
	Energy Recovery Area		Energy Recovery Facility	Х	Х	Х	Х		NA	х	х	construction, foundation prepa
			Water Treatment Plant (WTP)	Х	Х	Х	Х		NA	Х	х	treatement plant, water diversi
		217	Temporary Water Treatment 1	X/R		1		Y	forest	х		
	Sludge Management	218	sludge warehouse	Х	Х	Х	Х		NA	х	х	Construction includes land clea
	Facilities		sludge landfill	X/R			1	Y	forest	х		construction, foundation prepa
		220	sludge storage		L	Х			NA			
	Sulphurets Laydown Area	221	Sulphurets access road	Х		PR			forest	Х	х	Construction include land clear
Sul		222	Satellite Maintenance Facility	1	Х	R	1	Y	forest		х	diversion ditching, equipment a
		222 223	Sulphurets snow storage	X		R		Y	forest	х	x	collecting.

X = the project component is active during that project phase.
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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.

Activities
c facilities will involve land clearning, soil ructing, equipment and materials hauling, recting, and conductors, penstock, sipation system installing.
involves land clearing, soil stripping, g, culverts and pipes installing, materials
learing, soil stripping, foundation preparing, terial hauling, avalanche management lonitoring water levels and quality, s, spillway, and diversion maintenance are
clude land clearing , soil stripping and debris
g, buildings and laydown area constructing. inerators and various equipment will be
clude land clearing , soil stripping and debris
g, buildings and laydown area constructing. inerators and various equipment will be
learing, soil stripping, laydown area paring, and waste incinerator, waste water
rsion, and settling pond excavating.
learing, soil stripping, laydown area paring, and building installing.
earing, soil stripping, foundation preparing, and material hauling, and diversion water

			•• 		Pha	se		•	<u> </u>			
Project Region	Project Area	ID #	Project Component	Construction	Operation	Closure	Post-Closure	Reclamation (Y/partial/N)	Closure Objective	Change in Noise Levels during Construction	Change in Noise Levels during Operation	
Mine Site	Sulphurets Laydown Area	224	Sulphurets diversion ditch	X	X	R		Y	forest	x	x	
	(cont'd)	225	Sulphurets collection ditch	Х	Х			-	NA	х	х	
		226	landfarm/landfill	Х	R			Y	forest	х		
		227	Sulphurets laydown area	Х	X/R			Y	forest	х	х	
	Sulphurets-Mitchell	228	Sulphurets-Mitchell Conveyor Tunnel		Х	D		N	NA		х	Construction includes land cle
	Conveyor Tunnel	229	Sulphurets-Mitchell Conveyor Tunnel portals		Х	R		Y	forest		х	constructing, excavating, fillin
		230	conveyor stockpile		Х	R		Y	forest		х	Quarries rock may be crushed
		231	conveyor 1 to Sulphurets portal		Х	R		Y	forest		х	
		232	conveyor 2 to Sulphurets portal		Х	R		Y	forest		х	
	Sulphurets Pit	233	Sulphurets Pit crusher		Х	R		Y	forest		х	It is a conventional open pit w
		234	Sulphurets Pit	Х	Х	D		N	NA	х	х	drilling, blasting, loading and
		235	Sulphurets Pit Backfill			Х	PR	partial	forest			24 hours a day and 365 days
		236	Sulphurets Pit drainage collection ditch	X/D				-	NA	х		
		237	Sulphurets Pit drainage pipeline to Selenium Treatment		Х	Х	Х	N	NA		х	
		238	Sulphurets Pit drainage pipeline to WSF	Х	Х	Х	Х	N	NA	х		
		239	Sulphurets Pit diversion and collection system		Х	Х	Х	N	NA		х	
	Kerr rope conveyor	240	Kerr rope conveyor		Х	R		Y	forest		х	Land clearing and tower grub
		241	conveyor stockpile		х	R		Y	forest		x	conveyor constructing, rope c conveyor stringing.
	Kerr Pit	242	Kerr Pit access road		Х	PR	Х	partial	forest		х	It is a conventional open pit w
		243	Kerr Pit snow storage		Х	R		Y	forest		х	drilling, blasting, loading and
		244	Kerr Pit crusher		Х	R		Y	forest		х	24 hours a day and 365 days
		245	Kerr Pit		Х	D		N	pit lake		х	
	246 South Kerr Pit Lake	South Kerr Pit Lake			Х	Х	N	NA				
			Kerr Pit dewatering pipeline		Х	Х	Х	N	NA		х	
	Camp 2: Ted Morris Camp	248	Camp 2: Ted Morris Camp	X/R		Construction of camp will inclu						
		249	Camp 2 equipment and material storage yard	X/R				Y	forest	х		burning, foundation preparing
		250	Camp 2 helipad	X/R				Y	forest	х		Power generator, waste incin
		251	Camp 2 incinerator	X/R	-			Y	forest	х		operated.
		252	Camp 2 septic field	X/R				Y	forest	х		
	Explosives Manufacturing	253	Sulphurets Valley access road	Х		PR		partial	forest	х	х	Construction includes land cle
	Facility	254	Sulphurets bridge	Х	Х	Х	Х		NA	х	х	material hauling, and magazir
		255	initial construction borrow and spoil area	Х	Х	R		Y	forest	х	х	manufacture and storage.
		256	secondary construction borrow and spoil area			X/R		Y	forest			
		257	closure cover borrow and till storage areas	Х	Х	X/R		Y	forest	х	х	_
		258	secondary closure cover borrow and till storage area			X/R		Y	forest		x	_
		259	explosives access road	Х	Х	R	1	Y	forest	х	х	
		260	explosives magazine	Х	Х	R		Y	forest	х	х	
			AN Prill Storage access road	Х	Х	R		Y	forest	х	х	
			AN prill storage area	Х	Х	R		Y	forest	х	х	_
		263	Explosives Manufacturing Facility	Х	Х	R		Y	forest	x	x	
	Temporary Frank Mackie Glacier Access Route	264	Temporary Frank Mackie Glacier access route	X/D				N	NA	x		Construction of the road inclu area constructing, excavating grading.
	Camp 1: Granduc Staging	265	Camp 1: Granduc Staging Camp	Х				N	NA	х		Construction of camp will inc
	Camp	266	Camp 1 helipad	X				N	NA	x		burning, foundation preparing
		267	Camp 1 equipment and material storage yard	X				N	NA	x		Power generator, waste incir
		268	Camp 1 septic field	Х				N	NA	х		operated.
cessing and	Mitchell-Treaty Twinned	269	Mitchell-Treaty Conveyor Tunnel	Х	Х	Х	Х	N	NA	x	x	Construction includes land cle
iling inagement ea (PTMA)	Tunnels (MTT)		Mitchell-Treaty Transportation Tunnel	X	X	X			NA	x	x	constructing, excavating, fillin Quarries rock may be crushed infrastructure includes tempor ventilation.
			1			V	V	1	NA	x	1	Construction involves land cle
	construction access adit	271	construction access portal	Х	Х	Х	Х	N	IN/A	^		Construction involves land cle
	construction access adit		construction access portal Adit Temporary Water Treatment 9	X	X D	X	X	N N	NA	x		
	construction access adit	272				X	X			-		ventalation equipment installir water collecting and treating (system excavating and muck

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R/reclaim = shows the project phase where reclamation of the component occur.

Activities
clearing, soil stripping, laydown area ing, culvert installing, surfacing, and grading. ed for use as surfacing material.
which uses mining methods including d hauling. Mining activities will be conducted /s per year.
bbing, tower footprint grubbing, belt conveyor towers erecting, and rope
which uses mining methods including d hauling. Mining activities will be conducted /s per year.
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. cinerators and various equipment will be
clearing, soil stripping, foundation preparing, zine installing. This is the area for explosives
lude land clearing and soil stripping, laydown
ng, filling, culvert installing, surfacing and
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. cinerators and various equipment will be
clearing, soil stripping, laydown area ing, culvert installing, surfacing, and grading. ed for use as surfacing material. Other orary water treatement, access road and
clearing, soil stripping, rock excavating, lling, development rock removing, seepage g (if necessary), and glacier water collection k ponds excavating.

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Project Region	Project Area	ID #	Project Component	Construction	Operation 4	Closure	Post-Closure	Reclamation (Y/partial/N)	Closure Objective	Change in Noise Levels during Construction	Change in Noise Levels during Operation	
Processing and	construction access adit	275	Adit TWT - lined muck pad	Х	D			N	NA	х		
Tailing	(cont'd)	276	Adit TWT - collection sump	Х	D			N	NA	х	х	-
Management		277	Adit TWT - diversion ditch	Х	D			N	NA	x		
Area (PTMA)		278	Treaty Adit road	Х	Х	Х	Х	N	NA	x	х	
		279	cable buried under road	Х	D			N	NA	х		
		280	tunnel muck drainage pipeline buried under road	Х	D			N	NA	х		
	Mitchell-Treaty Saddle	281	Saddle portal	Х	Х	Х	Х	N	NA	х	х	Construction involves land cle
	Area	282	Saddle wash plant	Х	R			Y	grass/shrub	х		avalanche management prepa
		283	Saddle helipad	Х	R			Y	grass/shrub	х		seepage water collecting and
		284	Saddle Temporary Water Treatment 4	Х	R			Y	grass/shrub	х		and disposing, and glacier wa
		285	Saddle TWT - lined muck pad	Х	R			Y	grass/shrub	х		be designated for borrow, was
		286	Saddle TWT - unlined muck pad	Х	R			Y	grass/shrub	х		laydown area and explosive n
		287	Saddle TWT - temporary treatment plant	Х	R			Y	grass/shrub	х		1
		288	Saddle TWT - sediment control ponds	Х	R			Y	grass/shrub	х		1
		289	Saddle TWT - diversion ditch	Х	R			Y	grass/shrub	x		
		290	Saddle fueling station and tank farm	Х	R			Y	grass/shrub	х		
		291	Saddle laydown area	Х	R			Y	grass/shrub	х		
			Saddle explosives magazine	Х	R			Y	grass/shrub	х		
		293	construction generator	Х	R			Y	grass/shrub	x		1
		294	Treaty Saddle road	Х	Х	Х	Х	N	NA	x	х	1
		295	Treaty Saddle road borrow areas	Х	R			Y	grass/shrub	x		-
		296	Treaty Saddle road waste areas	X	R			Y	grass/shrub	x	-	
		297	Treaty Saddle road till stockpiles	X	R			Y	grass/shrub	X		
	Camp 6: Treaty Saddle	298	Camp 6 incinerator	X	R			Y	grass/shrub	x		Construction of camp will inclu
	Camp	299	Camp 6 helipad	X	R			Ý	grass/shrub	x		burning, foundation preparing
		300	Camp 6: Treaty Saddle Camp	X	R			Ŷ	grass/shrub	x		Power generator, waste incin
		301	Camp 6 equipment and material storage yard	X	R	-		Ý	grass/shrub	x		operated.
		302	Camp 6 septic field	X	R			Y	grass/shrub	x		
						-		Y	•			Power generator, waste incin operated.
	Camp 5: Treaty Plant Camp	303	Camp 5: Treaty Plant Camp	X	R				grass/shrub	x		burning, foundation preparing Power generator, waste incin operated.
			Camp 5: Treaty Plant Camp water supply well	x	R X	X	x	N	grass/shrub	x	x	burning, foundation preparing Power generator, waste incin operated. Construction of camp will incl
	Camp	304				x	x				X	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing
	Camp	304	water supply well	x		x	X X X	N	NA	x	x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir
	Camp	304 305 306	water supply well construction explosives storage	X X/R	Х			N Y	NA grass/shrub NA NA	x x		burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing
	Camp	304 305 306	water supply well construction explosives storage water pipeline	X X/R X	x	X X X	X X X	N Y N	NA grass/shrub NA	x x x	x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir
	Camp	304 305 306 307 308 309	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp	X X/R X X X X X	X X X X X	X X X	X X	N Y N N	NA grass/shrub NA NA	x x x x	X X	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir
	Camp Treaty Operating Camp	304 305 306 307 308 309 310	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field	X X/R X X X X X X X	X X X X	X X X	X X X	N Y N N	NA grass/shrub NA NA NA	x x x x x x	X X X	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp	X X/R X X X X X	X X X X X	X X X	X X X	N Y N N partial	NA grass/shrub NA NA NA grass/shrub	X X X X X X X	x x x x x	burning, foundation preparing Power generator, waste incin operated. Construction of camp will inci burning, foundation preparing Power generator, waste incin operated.
	Camp Treaty Operating Camp	304 305 306 307 308 309 310 311	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field	X X/R X X X X X X X	X X X X X X X	X X X PR	X X X	N Y N N partial	NA grass/shrub NA NA NA grass/shrub NA	X X X X X X X X	x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 311	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field Temporary Water Treatment 8	X X/R X X X X X X X X X	X X X X X X R	X X X PR	X X X	N Y N N partial - Y	NA grass/shrub NA NA grass/shrub NA grass/shrub	X X X X X X X X X	x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad	X X/R X X X X X X X X X X X	X X X X X R R	X X X PR	X X X X	N Y N N partial - Y	NA grass/shrub NA NA grass/shrub NA grass/shrub grass/shrub	X X X X X X X X X X X	x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fa
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond	X X/R X X X X X X X X X X X	X X X X X X R R R	X X X PR	X X X X	N Y N N partial - Y Y Y	NA grass/shrub NA NA grass/shrub NA grass/shrub grass/shrub grass/shrub	X X X X X X X X X X X X X	x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fa will be delivered by pipeline th
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal	X X/R X X X X X X X X X X X X X	X X X X X R R R X	X X PR V X	X X X X X	N Y N N partial - Y Y Y N	NA grass/shrub NA NA grass/shrub NA grass/shrub grass/shrub grass/shrub grass/shrub	X X X X X X X X X X X X X X X	x x x x x x x	burning, foundation preparing Power generator, waste incin operated. Construction of camp will incl burning, foundation preparing Power generator, waste incin operated. Construction activities include constructing, foundation prepa avalanche management prepa installing. Fuel containment fa will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area	X X/R X X X X X X X X X X X X X X X	X X X X X X R R R R X R X R X X X X X X	X X PR V X	X X X X X	N Y N N partial - Y Y Y N Y	NA grass/shrub NA NA grass/shrub NA grass/shrub grass/shrub grass/shrub grass/shrub NA grass/shrub	X X X X X X X X X X X X X X X X X	x x x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fr will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel	X X/R X X X X X X X X X X X X X X X X X	X X X X X R R R X R X R X X X X	X X PR V X X	X X X X X	N Y N N partial - Y Y Y N Y	NA grass/shrub NA NA grass/shrub NA grass/shrub grass/shrub grass/shrub NA grass/shrub NA grass/shrub	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fr will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad	X X/R X X X X X X X X X X X X X X X X X	X X X X X R R R X X X X X X X X X X X X	X X PR PR X R	X X X X X	N Y N N partial - Y Y Y N Y Y	NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fr will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area	X X/R X X X X X X X X X X X X X X X X X	X X X X X R R R X X X X R	X X PR PR X R	X X X X X	N Y N N partial - Y Y Y Y Y Y	NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub NA grass/shrub grass/shrub grass/shrub grass/shrub	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fr will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area Treaty waste management facilities	X X/R X X X X X X X X X X X X X X X X X	X X X X R R R X X X R X X X X X X X X X	X X X PR PR V V V X X X R	X X X X X	N Y N N partial - Y Y Y Y Y Y	NA grass/shrub NA NA grass/shrub NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fr will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area Treaty waste management facilities Treaty warehouse and warehouse pad Treaty maintenance shop	X X/R X X X X X X X X X X X X X X X X X	x x <td>X X PR X R X R R R R R</td> <td>X X X X X</td> <td>N Y N N partial - Y Y Y Y Y Y Y</td> <td>NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub</td> <td>x x x x x x x x x x x x x x x x x x x</td> <td>x x x x x x x x x x x x x x</td> <td>burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fa will be delivered by pipeline th constructed and transmission</td>	X X PR X R X R R R R R	X X X X X	N Y N N partial - Y Y Y Y Y Y Y	NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fa will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area Treaty waste management facilities Treaty warehouse and warehouse pad	X X/R X X X X X X X X X X X X X X X X X	X X X X R R R X X X R X X X X X X X X X	X X PR PR X R X R R R	X X X X X	N Y N N partial - Y Y Y Y Y Y Y Y	NA grass/shrub NA NA grass/shrub NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x	burning, foundation preparing Power generator, waste incir operated. Construction of camp will inc burning, foundation preparing Power generator, waste incir operated. Construction activities include constructing, foundation prep avalanche management prep installing. Fuel containment fr will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area Treaty waste management facilities Treaty warehouse and warehouse pad Treaty maintenance shop Treaty lab CIL Plant	X X/R X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	X X X X PR X X X X X X X X X X X X X X X	X X X X R R	N N N Partial - Y Y Y Y Y Y Y Y Y Y	NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	burning, foundation preparing Power generator, waste incin operated. Construction of camp will incl burning, foundation preparing Power generator, waste incin operated. Construction activities include constructing, foundation prepa avalanche management prepa installing. Fuel containment fa will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area Treaty waste management facilities Treaty warehouse and warehouse pad Treaty maintenance shop Treaty lab	X X/R X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x x	X X X X PR PR X X X X X X X X X X X X X	X X X X R R	N N N Partial - Y Y Y Y Y Y Y Y Y Y Y N	NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	burning, foundation preparing Power generator, waste incin operated. Construction of camp will incl burning, foundation preparing Power generator, waste incin operated. Construction activities include constructing, foundation prepa avalanche management prepa installing. Fuel containment fa will be delivered by pipeline th constructed and transmission
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area Treaty waste management facilities Treaty warehouse and warehouse pad Treaty maintenance shop Treaty lab CIL Plant substation 1 25 kV transmission line	X X/R X X X X X X X X X X X X X X X X X	x x x x R R R X X R R X X R R X <td>X X X PR X X R R R R R R R X X</td> <td>X X X X R R</td> <td>N N N Partial - Y Y Y Y Y Y Y Y Y Y</td> <td>NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub</td> <td>x x x x x x x x x x x x x x x x x x x</td> <td>x x x x x x x x x x x x x x x x x x x</td> <td>burning, foundation preparing, Power generator, waste incin operated. Construction of camp will incl burning, foundation preparing, Power generator, waste incin</td>	X X X PR X X R R R R R R R X X	X X X X R R	N N N Partial - Y Y Y Y Y Y Y Y Y Y	NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	burning, foundation preparing, Power generator, waste incin operated. Construction of camp will incl burning, foundation preparing, Power generator, waste incin
	Camp Treaty Operating Camp Treaty Ore Preparation	304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326	water supply well construction explosives storage water pipeline water supply well access road Treaty operating camp incinerator Treaty operating camp septic field Temporary Water Treatment 8 TWT 8 - unlined muck pad TWT 8 - sediment control pond MTT process plant portal MTT portal laydown area Treaty runoff collection channel Treaty helipad Treaty construction laydown area Treaty waste management facilities Treaty warehouse and warehouse pad Treaty maintenance shop Treaty lab CIL Plant substation 1	X X/R X X X X X X X X X X X X X X X X X	X X X X X R R X X X R R R X X X X X R X X X R X X X X X X X X X X X X	X X XX PR XX X XX X	X X X X R R R X X X	N Y N Partial - Y Y Y Y Y Y Y Y Y Y Y Y N Y N N N	NA grass/shrub NA NA grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub grass/shrub	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	burning, foundation preparing, Power generator, waste incin operated. Construction of camp will incl burning, foundation preparing, Power generator, waste incin operated. Construction activities include constructing, foundation prepa avalanche management prepa installing. Fuel containment fa will be delivered by pipeline th constructed and transmission

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Activities
clearing, soil stripping, rock excavating, eparing, development rock removing, id treatment if necessary, sludge collecting vater collection system excavation. Area will raste and till stockpiles, fueling station, magazine storage.
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. cinerators and various equipment will be
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. inerators and various equipment will be
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. cinerators and various equipment will be
de land clearing, soil stripping, laydown area paring, diversion ditching, materials hauling, paring, building erecting, and equipment facilities will be erected to store diesel that through the tunnels. A substation will be on lines will be erected. crushing, grinding, of material will take place in this complex.

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Project Region	Project Area	ID #	Project Component	Construction	Operation H	Closure	Post-Closure	Reclamation (Y/partial/N)	Closure Objective	Change in Noise Levels during Construction	Change in Noise Levels during Operation	
Processing and	Treaty Ore Preparation	329	High Pressure Grinding Rolls (HPGR) Mill	Х	Х	R		Y	grass/shrub	x	х	
Tailing	Complex (cont'd)	330	Treaty OPC fine ore stockpile		Х	R		Y	grass/shrub			
Management		331	Treaty OPC stormwater runoff pipeline		Х	Х	R		grass/shrub		х	
vrea (PTMA)		332	Treaty OPC coarse ore stockpile		Х	R		Y	grass/shrub			
		333	Treaty SEC Crusher Building	Х	Х	R		Y	grass/shrub	х	х	
		334	Treaty office complex	Х	Х	Х	Х	N	NA	х	х	
		335	Treaty ambulance building	Х	Х	Х	Х	N	NA	x	х	
		336	container storage area	Х	Х	R		Y	grass/shrub	х	х]
		337	cold storage	Х	Х	R		Y	grass/shrub	х	х	
		338	Treaty CSCF/landfarm/landfill	Х	Х	Х	R	Y	grass/shrub	х	х	1
		339	Treaty OPC Batch Plant stockpile	Х	Х	R		Y	grass/shrub	х	х	1
		340	Treaty OPC Batch Plant	Х	Х	R		Y	grass/shrub	х	х	
		341	Treaty fuel storage	Х	Х	R		Y	grass/shrub	х		
		342	Treaty OPC access road	Х	Х	R		Y	grass/shrub	х	х	
		343	Treaty OPC site collection and diversion ditches	Х	Х	Х	R	Y	grass/shrub	х	х	1
		344	Treaty Administration Building	Х	Х	Х	Х	Y	grass/shrub	х	х	1
	Concentrate Storage and Loadout	345	concentrate storage and loadout area		Х	R		Y	grass/shrub		x	Activities include land clearing diversion ditching, materials h volumes of concentrate will te
	North Cell Tailing	346	North Cell till stockpile	Х	Х	R		Y	grass/shrub	х	х	Site preparation will commend
	Management Facility	347	North Cell soil storage area	Х	Х	R		Y	grass/shrub	х	х	Construction will also include
		348	TWT 11 - sediment control pond	Х	Х	Х	R	Y	grass/shrub	х	х	and water diversion, equipmer
		349	TWT 11 - collection ditch and pipeline	Х	Х	Х	R	Y	grass/shrub	х	х	borrow pits, temporary water t
			TWT 9 - sediment control pond	Х	Х	R		Y	forest	х	х	dam, collection ditch, sedimer
		351	TWT 9 - pipeline	Х	Х	R		Y	forest	x	х	1
			North Cell seepage collection dam	Х	PR				grass/shrub	x		1
			North Cell seepage collection dam spillway	Х	Х	Х			NA	x	х	1
			North Cell seepage collection pond	X	X	X			pond/wetland	x	x	1
			North Cell seepage reclaim pipeline	X	X	X	X		NA	X	x	1
			North Cell construction berms and sediment fences	X/D	~	~		-	NA	x	~	1
		357	North Cell starter dam	X/-		_		-	NA	X		1
			North dam construction pipeline and cofferdam	X/D		_		-	NA	X		1
		359	North Cell dam	X	PR	Х	R		grass/shrub	x		1
			North Cell borrow area	X/D		~	· · ·	-	NA	x		4
			North Cell quarry	X/D		_			NA	x		4
			North Cell waste pile	X/D				-	NA	x		4
		363	North Cell construction access road and transmission line	X/D				-	NA	x		4
			North Cell	ND	X/PF		R		forest	^		-
			North Cell closure pond			PR		Y	pond/wetland			-
			reclaim barge		X	D		-	NA			-
				-		_	_					-
			gravel beach cover	v	X	X			wetland	~	~	-
			pump house with potential clarification system	X	X	Х	_	-	NA	X	X	4
			Northwest Diversion	X	X	X			forest	X	X	4
			TMF Discharge Pipeline	X	X	X	D		NA	х	х	
	East Catchment Diversion	371	East Catchment diversion tunnel portal access road	Х	X	Х	_		forest	x	x	Activities include land clearing
			East Catchment diversion tunnel portal		Х	R		Y	forest		x	excavating and filling, culvert rock may be crushed for use a
			northeast buried pipeline	Х	Х	Х			NA	x	x	include temporary water treat
			northeast service road	Х	Х	Х	_		forest	х	х	supernatant, generating electr
			northeast diversion ditch	Х	Х	Х	PR		forest	x	x	receiving and storing diesel, v
			East Catchment diversion tunnel phase 1	Х	Х	D		N	NA	х	х	transport of personnel and su
			East Catchment diversion tunnel phase 2	1	Х	Х			NA		x	
		378	East Catchment diversion dam	Х	PR	_			grass/shrub	х		
		378 379	East Catchment diversion dam East Catchment diversion dam spillway	Х	Х	Х	R	Y	grass/shrub grass/shrub	x x	x	-
		378 379 380	East Catchment diversion dam East Catchment diversion dam spillway East Catchment diversion pond			_	R	Y Y	-		x x	-
		378 379 380	East Catchment diversion dam East Catchment diversion dam spillway	Х	Х	Х	R	Y	grass/shrub	х		-
		378 379 380 381	East Catchment diversion dam East Catchment diversion dam spillway East Catchment diversion pond	X X	X X R	Х	R R	Y Y Y	grass/shrub grass/shrub	x x		-

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Activities
ng, soil stripping, foundation preparing,
hauling, and diversion water collecting. High temporarily stored in this area.
nce with land clearing and soil stripping.
e a laydown area, access road, foundation nent and materials hauling, quarries and
r treatment facilities, borrow area, waste pile, ent control ponds and soil storage areas.
ng, soil stripping, laydown area constructing,
rt installing, surfacing, and grading. Quarried
e as surfacing material. Other infrastructures atment, road access, receiving recycled TMF
ctricity from inflowing recycled water, ventilation, maintenance of facilities,
supplies, maintenance of avalanches.

					Pha	se				1		
Project Region	Project Area	ID #	Project Component	Construction	Operation	Closure		Reclamation (Y/partial/N)	Closure Objective	Change in Noise Levels during Construction	Change in Noise Levels during Operation	
Processing and	East Catchment Diversion	384	Upper East Catchment diversion dam spillway	Х	Х	Х	R	Y	grass/shrub	х	х	-
ailing Ianagement	(cont'd)	385	TWT 12 - sediment control pond	X	R			Y	grass/shrub	х		
Area (PTMA)	Centre Cell Tailing Management Facility	386	Centre Cell borrow area	X/D				-	NA	X		Site preparation will commend Construction will also include and water diversion, and equi
		387 388	Splitter starter dam Splitter dam construction pipeline and cofferdam	X X/D				-	NA NA	x x		
		389	Splitter dam	X	х	PR	R	Ý	forest	x	х	
		390	CIL Lined Pond	^	X	X	R	Y	pond/wetland	^	x	
		391	reclaim barges (x2)		X	X		-	NA		x	
		392	Saddle starter dam	Х				-	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	х		
		396	Saddle seepage dam construction access road	X/D				-	NA	x		
		397	Saddle dam	Х		PR	R	Y	forest	x	х	
		398	Saddle seepage collection pond	Х				-	NA	x	х	
		399	Saddle seepage collection dam spillway	Х	X/D			-	NA	x	х	
		400	Saddle seepage collection dam	Х	X/D			-	NA	x	х	
		401	Saddle dam collection ditch	X/D				-	NA	х		
		402	TWT 14 - sediment control pond	X/D				-	NA	x		
		403	TWT 14 - pipeline	X/D				-	NA	Х		
		404	Saddle seepage reclaim pipeline	Х	X/D			-	NA	х	х	
		405	post-closure pond				X/PF		pond/wetland			
		406	post-closure gravel beach cover				X/R		wetland			
	Quality Only Tailing	407	post-closure cell	V	V	V	R	Y	forest			Otto and and the second second
	South Cell Tailing	408	Southeast service road	X	X	Х	R	Y	forest	X	X	Site preparation will commence Construction will also include a ditch/water diversion, equipme
		409	Southeast diversion ditch	Х	X X/D	Х	R	Y	forest NA	х	X	
		410	South Cell quarry sediment fence South Cell quarry		X/D X/D	-		-	NA		X	
		411 412	South Cell quarry construction berm		X/D X/D			-	NA NA		x	
		412	North Treaty lower road	Х	X/D X/D			-	NA	x	x	
		414	South Cell	^		PR	Б	Ý	forest	^	x	
		414	South Cell pond		X	FIX		-	NA		x	
		416	South Cell closure pond			X/PF	2	Y	pond/wetland		~	
		417	gravel beach cover			X		Ý	wetland			
		418	reclaim barge		Х	X	D	-	NA		х	
		419	southeast dam		X/PR			Y	grass/shrub		X	
		420	southeast starter dam		X			_	NA		X	
		421	southeast dam diversion ditch		Х	Х	Х	N	NA		x	
		422	South Cell seepage reclaim pipeline		Х		Х		NA		х	
		423	South Cell borrow area		X/R	1		Y	grass/shrub		х	
		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			Х	Х	N	NA			
		427	southeast seepage collection dam		Х	PR	Х	partial	forest		х	
		428	southeast seepage collection pond		Х	Х	Х	N	pond/wetland		х	
		429	southeast seepage collection dam spillway		Х	Х	Х	N	NA		х	
		430	southeast seepage collection dam construction access road		Х	Х	Х	N	NA		х	
		,	South Cell soil storage area		Х	R		Y	forest		x	
ļ	Treaty Creek Access Corridor	432	North Treaty upper road	Х	Х	Х		N	NA	х	х	Construction of the road inclu excavating and filling, culvert shed and earth berms may be Quarries and borrow pits may crushed for use as surfacing r
		433	Treaty Creek Transmission Line	Х	Х	Х		N	NA	х	х	
		434	southwest diversion ditch	Х	Х	Х	PR	-	forest	х	х	
		435	TCAR channel armouring and diversion dams	Х	PR			partial	grass	х		
		436	southwest diversion access road	Х	Х	Х		N	NA	х	х	
		437	Treaty Creek access road (TCAR)	Х		Х	Х	N	NA	х	х	
		438	TCAR borrow areas	Х	R	<u> </u>		Y	forest	х		
		439 440	TCAR waste areas TCAR log landings	Х		ļ		Y	forest	x		-
				Х	R			Y	forest	х		

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Activities
nce with land clearing and soil stripping. e a laydown area, access road, foundation uipment and materials hauling.
nce with land clearing and soil stripping. e a laydown area, access road, foundation, ment, quarries and borrow pits
lude land clearing and soil stripping, rt installing, surfacing and grading. Snow be constructed for avalanche protection. ay be required. Quarried rock may be g material.

	Project Area	ID #	Project Component		Phase							
Project Region				Construction	Operation	Closure	Post-Closure	Reclamation (Y/partial/N)		Change in Noise Levels during Construction	Change in Noise Levels during Operation	
Processing and Tailing	Treaty Creek Access Corridor (cont'd)	441	creek crossing R053	Х	Х	Х	Х	N	NA	х	х	
		442	creek crossing R049	Х	Х	Х	Х	N	NA	x	х	1
Management		443	creek crossing R047	Х	Х	Х	Х	N	NA	х	х	1
Area (PTMA)		444	North Treaty Creek bridge (R045)	Х	Х	Х	Х	N	NA	х	х	1
		445	creek crossing R037	Х	Х	Х	Х	N	NA	х	х	1
		446	creek crossing R038	Х	Х	Х	Х	N	NA	х	х	1
		447	creek crossing R036	Х	Х	Х	Х	N	NA	х	х	
		448	creek crossing R035	Х	Х	Х	Х	N	NA	х	х	1
		449	creek crossing R034	Х	Х	Х	Х	N	NA	х	х	
		450	Bell-Irving River bridge (R033)	Х	Х	Х	Х	N	NA	х	х	1
	Camp 11: Treaty Marshalling Yard Camp	451	Camp 11: Treaty Marshalling Yard Camp	Х	R			Y	forest	х		Construction of camp will incl
		452	Camp 11 Treaty marshalling yard	Х	R			Y	forest	х		burning, foundation preparing Power generator, waste incin operated.
		453	Camp 11 incinerator	Х	R			Y	forest	x		
	Camp 12: Highway 37 Construction Camp	454	Camp 12: Highway 37 Construction Camp	X/R				Y	forest	х		Construction of camp will incl
		455	Camp 12 incinerator	X/R				Y	forest	x		burning, foundation preparing, Power generator, waste incin operated.
Off-site	Highway 37 and 37A	456	Highway 37	Х	Х	Х	Х	N	NA	x	х	Activities in this area include
Transportation		457	Highway 37A	Х	Х			N	NA	x	x	cleaning of ditches and culver personnel, explosives, equipn avalanche maintenance.

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Activities
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. cinerators and various equipment will be
nclude land clearing , soil stripping and debris ng, buildings and laydown area constructing. cinerators and various equipment will be
e maintenance (grading, resurfacing, /erts, inspecting bridges), transport of pment and supplies to the mine site, and