

SUMMARY OF COSTS

CAPITAL COSTS	COMPONENT NAME	COST	LAND LIABILITY	WATER LIABILITY
OPEN PIT WT		\$35,345	\$17,673	\$17,673
OPEN PIT IVR		\$7,550,316	\$3,775,158	\$3,775,158
UNDERGROUND MINE		\$775,689	\$387,845	\$387,845
TAILINGS FACILITY		\$0	\$0	\$0
ROCK PILE WT		\$6,129,757	\$3,064,879	\$3,064,879
ROCK PILE IVR		\$2,921,227	\$1,460,614	\$1,460,614
BUILDINGS AND EQUIPMENT		\$3,774,657	\$1,887,329	\$1,887,329
CHEMICALS AND CONTAMINATED SOIL MANAGEMEN		\$899,779	\$449,889	\$449,889
SURFACE AND GROUNDWATER MANAGEMENT		\$22,750,756	\$11,375,378	\$11,375,378
INTERIM CARE AND MAINTENANCE		\$947,781	\$473,891	\$473,891
SUBTOTAL: Capital Costs		\$45,785,308	\$22,892,654	\$22,892,654
PERCENT OF SUBTOTAL			50%	50%

INDIRECT COSTS		COST	LAND LIABILITY	WATER LIABILITY
MOBILIZATION/DEMOBILIZATION		\$7,401,348	\$3,700,674	\$3,700,674
POST-CLOSURE MONITORING AND MAINTENANCE		\$2,718,710	\$1,359,355	\$1,359,355
ENGINEERING	5%	\$2,289,265	\$1,144,633	\$1,144,633
PROJECT MANAGEMENT	5%	\$2,289,265	\$1,144,633	\$1,144,633
HEALTH AND SAFETY PLANS/MONITORING & QA/QC	1%	\$457,853	\$228,927	\$228,927
BONDING/INSURANCE	1%	\$457,853	\$228,927	\$228,927
CONTINGENCY	15%	\$6,867,796	\$3,433,898	\$3,433,898
MARKET PRICE FACTOR ADJUSTMENT	0%	\$0	\$0	\$0
SUBTOTAL: Indirect Costs		\$22,482,091	\$11,241,045	\$11,241,045

TOTAL COSTS		\$68,267,399	\$34,133,700	\$34,133,700
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Note: Some of the existing underground workings from Amaruq exploration are covered under this RECLAIM estimate, remaining components are covered under Type B land and water permits

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Open Pit Name:		Whale Tail Pit		Pit # 1					
ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost	
CONTROL ACCESS									
Fence		m		#N/A	\$0.00	\$0		\$0	
Signs	Assumed - as per Phase 1 approved RECLAIM	each	20	SH	\$37.08	\$742	50%	\$371	
Berm at crest	In place from perimeter road - as per Phase 1 approved RECLAIM Assumed: 3 entrances, each block 5m base, 1 m crest width, 1 m high, 2H:1V slopes and 30m long - as per Phase 1 approved RECLAIM	m3		#N/A	\$0.00	\$0		\$0	
Block roads		m3	270	RB1H	\$17.05	\$4,604	50%	\$2,302	
Other				#N/A	\$0.00	\$0		\$0	
STABILITY STUDY									
Conduct stability and setback study		allow	1	EA	\$20,000.00	\$20,000	50%	\$10,000	
STABILIZE SLOPES									
Off-load crest, soil A		m3		#N/A	\$0.00	\$0		\$0	
Off-load crest, soil B		m3		#N/A	\$0.00	\$0		\$0	
Doze/trim overburden at crest		m3		#N/A	\$0.00	\$0		\$0	
Drill & blast pit crest		m3		#N/A	\$0.00	\$0		\$0	
Buttress slope		m3		#N/A	\$0.00	\$0		\$0	
Other				#N/A	\$0.00	\$0		\$0	
COVER/CONTOUR SLOPES									
Place fill, soil A		m3		#N/A	\$0.00	\$0		\$0	
Place fill, soil B		m3		#N/A	\$0.00	\$0		\$0	
Rip rap		m3		#N/A	\$0.00	\$0		\$0	
Vegetate slopes		ha		#N/A	\$0.00	\$0		\$0	
Vegetate pit floor		ha		#N/A	\$0.00	\$0		\$0	
Other				#N/A	\$0.00	\$0		\$0	
CONSTRUCT DIVERSION DITCHES									
Excavate ditches -soil	covered under Water Management	m3		#N/A	\$0.00	\$0		\$0	
Excavate ditches -rock		m3		#N/A	\$0.00	\$0		\$0	
Rip rap in channel base		m3		#N/A	\$0.00	\$0		\$0	
CONSTRUCT SPILLWAY									
Excavate channel		m3		#N/A	\$0.00	\$0		\$0	
Concrete		m3		#N/A	\$0.00	\$0		\$0	
Rip rap		m3		#N/A	\$0.00	\$0		\$0	
Other				#N/A	\$0.00	\$0		\$0	
RECLAIM QUARRIES									
Signs		m3		#N/A	\$0.00	\$0		\$0	
Berm at crest		m3		#N/A	\$0.00	\$0		\$0	
Barrier to Access Road		m3		#N/A	\$0.00	\$0		\$0	
Stabilization of quarry walls		m3		#N/A	\$0.00	\$0		\$0	
FLOOD PIT-Capital									
Remove stationary equipment (sump pumps) and dewatering pipeline	from Meadowbank estimate - as per Phase 1 approved RECLAIM	Allow	1	AE	\$10,000.00	\$10,000	50%	\$5,000	
Remove dewatering pipeline		m		#N/A	\$0.00	\$0		\$0	
Remove power lines		each		#N/A	\$0.00	\$0		\$0	
Construct diversion ditches		m3		#N/A	\$0.00	\$0		\$0	
-Ditch, mat'l A		m3		#N/A	\$0.00	\$0		\$0	
-Ditch, mat'l B		m3		#N/A	\$0.00	\$0		\$0	
Construct embankment/dam		m3		#N/A	\$0.00	\$0		\$0	
		each				\$0		\$0	
Supply/install pump station and piping system (including pumps)	Included in IVR Pit			#N/A	\$0.00				
Supply/install piping system		m		#N/A	\$0.00	\$0		\$0	
Remove pump post-closure		each		#N/A	\$0.00	\$0		\$0	
Remove pipeline post-closure		m		#N/A	\$0.00	\$0		\$0	
FLOOD PIT-Annual Cost									
Operate pumps to flood pit	associated cost is included under IVR Pit estimate	each		#N/A	\$0.00	\$0		\$0	
Maintain pump/pipeline		allow		#N/A	\$0.00	\$0		\$0	
Labour: fuel management, commissioning/decom		\$/h		#N/A	\$0.00	\$0		\$0	
Chemical addition, _____ kg/m3 of water		tonne		#N/A	\$0.00	\$0		\$0	
Chemicals, purchase and shipping		tonne		#N/A	\$0.00	\$0		\$0	
Passive/biological additives		\$/ha		#N/A	\$0.00	\$0		\$0	
Passive additives purchase and shipping		tonne		#N/A	\$0.00	\$0		\$0	
Other- Pump operation cost		m3		#N/A	\$0.00	\$0		\$0	
Annual pumping costs						\$0			
Number of years of pump flooding	pits flooding (total period 2026 - 2042) - approximately 16 years	years		Total pumping costs		\$0	\$0	\$0	
Total						\$35,345	\$17,673	\$17,673	
% of Total						50%	50%	50%	

Note: No water purchase is needed for back-flooding

Open Pit Name:		IVR Pit		Pit # 2						
ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	%		Cost Land	Land Cost	Water Cost
CONTROL ACCESS										
Fence		m		#N/A	\$0.00	\$0		\$0		\$0
Signs	Assumed As indicated in Section 5.2.2.5 of the ICRP and consistent with the Approved Project, berms will be constructed around the perimeter of the pit at a given setback in accordance with applicable mine regulations and rock mechanics studies conducted for pit stability during the operations stage. Based on above, no additional closure activities have been included in the ICRP for the open pits perimeter; only monitoring of the existing berms will be carried out (Section 5.2.2.4 of the ICRP).	each	15	SH	\$37.08	\$556	50%	\$278		\$278
Berm at crest		m3		#N/A	\$0.00	\$0		\$0		\$0
Block roads	Assumed: 4 entrances, each block 5m base, 1 m crest width, 1 m high, 2H:1V slopes and 30m long	m3	360	RB1H	\$17.05	\$6,138	50%	\$3,069		\$3,069
Other				#N/A	\$0.00	\$0		\$0		\$0
STABILITY STUDY										
Conduct stability and setback study		allow	1	EA	\$20,000.00	\$20,000	50%	\$10,000		\$10,000
STABILIZE SLOPES										
Off-load crest, soil A		m3		#N/A	\$0.00	\$0		\$0		\$0
Off-load crest, soil B		m3		#N/A	\$0.00	\$0		\$0		\$0
Doze/trim overburden at crest		m3		#N/A	\$0.00	\$0		\$0		\$0
Drill & blast pit crest	Exposed pit walls (above flooded water level) will be mined at flatter slopes that can support cover placement - this will be an operations cost, not closure	m3		#N/A	\$0.00	\$0	50%	\$0		\$0
Buttress slope		m3		#N/A	\$0.00	\$0		\$0		\$0
Other		m3		#N/A	\$0.00	\$0		\$0		\$0
COVER/CONTOUR SLOPES										
	Based on the water management design change this cover is no longer required. Contact water will now be remediated via treatment items contained within the water management and water treatment scope. Previously:									
Place and compact overburden cover		m3	0	SB3L	\$5.10	\$0		\$0		\$0
Geotextile	Based on design change this line item is not applicable	m2	0	GSTL	\$3.44	\$0		\$0		\$0
Rip rap	Previously:	m3	0	RR1L	\$13.50	\$0		\$0		\$0
Vegetate slopes		ha		#N/A	\$0.00	\$0		\$0		\$0
Vegetate pit floor		ha		#N/A	\$0.00	\$0		\$0		\$0
Other				#N/A	\$0.00	\$0		\$0		\$0
CONSTRUCT DIVERSION DITCHES										
Excavate ditches -soil		m3		#N/A	\$0.00	\$0		\$0		\$0
Excavate ditches -rock		m3		#N/A	\$0.00	\$0		\$0		\$0
Rip rap in channel base		m3		#N/A	\$0.00	\$0		\$0		\$0
CONSTRUCT SPILLWAY										
Excavate channel		m3		#N/A	\$0.00	\$0		\$0		\$0
Concrete		m3		#N/A	\$0.00	\$0		\$0		\$0
Rip rap		m3		#N/A	\$0.00	\$0		\$0		\$0
Other				#N/A	\$0.00	\$0		\$0		\$0
RECLAIM QUARRIES										
Signs		m3		#N/A	\$0.00	\$0		\$0		\$0
Berm at crest		m3		#N/A	\$0.00	\$0		\$0		\$0
Barrier to Access Road		m3		#N/A	\$0.00	\$0		\$0		\$0
Stabilization of quarry walls		m3		#N/A	\$0.00	\$0		\$0		\$0
FLOOD PIT-Capital										
Remove stationary equipment (sump pumps) and dewatering pipeline	from Meadowbank estimate	Allow	1	AE	\$10,000.00	\$10,000	50%	\$5,000		\$5,000
Remove dewatering pipeline		m		#N/A	\$0.00	\$0		\$0		\$0
Remove power lines		each		#N/A	\$0.00	\$0		\$0		\$0
Construct diversion ditches		m3		#N/A	\$0.00	\$0		\$0		\$0
-Ditch, mat'l A		m3		#N/A	\$0.00	\$0		\$0		\$0
-Ditch, mat'l B		m3		#N/A	\$0.00	\$0		\$0		\$0
Construct embankment/dam	This allowance is to supply/install the pumping and piping system to flood both pits. As indicated in Section 5.2.2.5 of the ICRP, the dewatered Whale Tail Pit and IVR Pit area will be filled with a combination of natural runoff and contact water from the entire site and water pumped from Whale Tail Lake (South Basin). Pump sizing for flooding and a more accurate estimate for the duration of flooding will be established during the detailed design phase of the Project to optimize pumping costs and to reduce potential impacts to Mammoth Lake as also indicated in Section 5.2.2.5 of the ICRP.	each	1	AE	\$800,000.00	\$800,000	50%	\$400,000		\$400,000
Supply/install pump station and piping system (including pumps)										
Relocate pipeline system	allowance to relocate system from U/G flooding to IVR Pit flooding	Allow	1	AE	\$75,000.00	\$75,000	50%	\$37,500		\$37,500
Remove pump post-closure		each		#N/A	\$0.00	\$0		\$0		\$0
Remove pipeline post-closure		m		#N/A	\$0.00	\$0		\$0		\$0
FLOOD PIT-Annual Cost										
Operate pumps to flood pit	Average annual pumping - 53,856,637 m3 over 17 years	m3	3,254,227	POCL	\$0.12	\$390,507	50%	\$195,254		\$195,254
Maintain pump/pipeline		allow		#N/A	\$0.00	\$0		\$0		\$0
Labour: fuel management, commissioning/decom		\$/h		#N/A	\$0.00	\$0		\$0		\$0
Chemical addition, _____ kg/m3 of water	water used to flood mine workings, no treatment required	tonne		#N/A	\$0.00	\$0		\$0		\$0
Chemicals, purchase and shipping		tonne		#N/A	\$0.00	\$0		\$0		\$0
Passive/biological additives		\$/ha		#N/A	\$0.00	\$0		\$0		\$0
Passive additives purchase and shipping		tonne		#N/A	\$0.00	\$0		\$0		\$0
Other- Pump operation cost		m3		#N/A	\$0.00	\$0		\$0		\$0
					Annual pumping costs	\$390,507				
Number of years of pump flooding	pits flooding (total period 2026 - 2042) - approximately 16 years	years	17			Total pumping costs	\$6,638,622	50%	\$3,319,311	\$3,319,311
						Total	\$7,550,316		\$3,775,158	\$3,775,158
						% of Total		50%	50%	50%

Note: No water purchase is needed for back-flooding

Underground Mine Name		Whale Tail and IVR		UG Mine #				
ACTIVITY/MATERIAL	Notes	Unit	Qty	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost
CONTROL ACCESS								
Fence		m		#N/A	\$0.00	\$0	\$0	\$0
Signs		each		#N/A	\$0.00	\$0	\$0	\$0
Block roads		m3		#N/A	\$0.00	\$0	\$0	\$0
Berm		m3		#N/A	\$0.00	\$0	\$0	\$0
Concrete wall in portals		m3		#N/A	\$0.00	\$0	\$0	\$0
Backfill portal	as per Amaruq Exploration NWB Water Licence 2BB-MEA182z	m3	12,000	POR	\$30.00	\$360,000	\$180,000	\$180,000
Cap raise WT# 1	Fill box cut with ore and cover with NPAG waste rock	each	1	MBK	\$79,591.60	\$79,591	\$39,795	\$39,795
Cap raise WT #2	as per Amaruq Exploration NWB Water Licence 2BB-MEA182z	each	1	MBK	\$79,591.60	\$79,591	\$39,795	\$39,795
	The raise will be capped with reinforced concrete plug constructed at Meadowbank and transported to site via flat bed truck (as indicated below). It was assumed that pre-cast concrete slabs will be constructed at Meadowbank. As indicated below, a total of 10 hours were included for the transportation of the caps (IVR # 1 and #2) to site including load and. unload (2 hours were included for transportation).	m2	21	SRL	\$645.00	\$13,545	\$6,773	\$6,773
Cap Raise IVR #1	Area preparation for capping	ha	0.01	SCFYL	\$4,300.00	\$43	\$22	\$22
Cap Raise IVR #1	Drilling for rebar dowels installation (drilling equipment included under Cap raise: WT#1 and WT#2 above)	hr	8	lab-SH	\$49.60	\$397	\$198	\$198
Cap Raise IVR #1	Cast and place concrete including rebar dowels installation	m3	10	CSFS	\$1,000.00	\$10,000	\$5,000	\$5,000
	The raise will be capped with reinforced concrete plug constructed at Meadowbank and transported to site via flat bed truck (as indicated below). It was assumed that pre-cast concrete slabs will be constructed at Meadowbank. As indicated below, a total of 10 hours were included for the transportation of the caps (IVR # 1 and #2) to site including load and. unload (2 hours were included for transportation).	m2	21	SRL	\$645.00	\$13,545	\$6,773	\$6,773
Cap shaft IVR #2	Area preparation for capping	ha	0.01	SCFYL	\$4,300.00	\$43	\$22	\$22
Cap Raise IVR #2	Drilling for rebar dowels installation (drilling equipment included under Cap raise: WT#1 and WT#2 above)	hr	8	lab-SH	\$49.60	\$397	\$198	\$198
Cap Raise IVR #2	Cast and place concrete including rebar dowels installation	m3	10	CSFS	\$1,000.00	\$10,000	\$5,000	\$5,000
Remove temporary main ventilation system	at exploration ramp/portal assumed that concrete caps will be constructed at Meadowbank and transported to site including load and unload	LS	1	AE	\$10,000.00	\$10,000	\$5,000	\$5,000
Cap raises transportation to site via flat bed truck		hours	10	hiabL	\$155.00	\$1,550	\$775	\$775
Backfill adits		m3		#N/A	\$0.00	\$0	\$0	\$0
Backfill open stope		m3		#N/A	\$0.00	\$0	\$0	\$0
Concrete cap over open stope		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
REMOVE HAZARDOUS MATERIALS - they will be managed on an ongoing basis and consequently, there will be relatively little accumulation of these materials on-site at closure								
Remove hazardous materials (fluids, batteries, etc.) and stockpile them on surface, U/G labor	allowance for six shifts - 2 people	manhours	144	mechL	\$49.00	\$7,056	\$3,528	\$3,528
Remove contaminated soils, U/G labo	allowance for four shifts with 2 laborers	manhours	96	lab-us	\$31.00	\$2,976	\$1,488	\$1,488
Remove contaminated soils, equipmen	allowance for four shifts with loader, including operator and fuel	hours	48	load-sl	\$175.00	\$8,400	\$4,200	\$4,200
	The underground workings will contain no contaminated soils. This line item has been reduced to zero.	m3	0	CSRL	\$47.00	\$0	\$0	\$0
Disposal of contaminated soils	The underground workings will contain no contaminated soils. This line item has been reduced to zero.	m3	0	SB3L	\$5.10	\$0	\$0	\$0
Removal of remediated soils	Burn at on-site incinerator - allowance	litre	1,000	ORL	\$0.43	\$430	\$215	\$215
Waste oils	assumed to be used for the reclamation of other project components	litre		ORL	\$0.43	\$0	\$0	\$0
Unused fue	includes fee and transporter	kg	500	PCRH	\$2.50	\$1,250	\$625	\$625
Waste batteries	to be removed for disposal by licensed handler - allowance. A LS of \$10,000 was provided in the previous RECLAIM. In this version the allowance of \$10,000 is presented in terms of volume to address CIRNAC's question. The unit rate used in the estimate is as per chemicals lab for same activity. The assumed volume of 65 m³ corresponds to 30% of light fraction.	m3	65	AE	\$155.00	\$10,075	\$5,038	\$5,038
Disposal of hazardous materials and soils contaminated with heavy hydrocarbons	assumed of no value and left in place	each		#N/A	\$0.00	\$0	\$0	\$0
Remove/decontam. stationary & elect. equip	assumed of no value and left in place	each		#N/A	\$0.00	\$0	\$0	\$0
Remove/decontam. mobile equipment	included above	kg		#N/A	\$0.00	\$0	\$0	\$0
Remove misc. haz. mat & explosives	allowance - includes fee and transportation	LS	1	AE	\$5,000.00	\$5,000	\$2,500	\$2,500
Other								
INSTALL BULKHEADS - not required								
Bulkheads to control water flow		each		#N/A	\$0.00	\$0	\$0	\$0
Grout bulkhead		m3		#N/A	\$0.00	\$0	\$0	\$0
FLOOD MINE								
Relocate dewatering pumping system	includes pumps and pipelines	LS	1	#N/A	\$10,000.00	\$10,000	\$5,000	\$5,000
Supply/install pump station and piping system (incl Included in IVR Pti		each		#N/A	\$0.00	\$0	\$0	\$0
Supply/install piping system		each		#N/A	\$0.00	\$0	\$0	\$0
Operate pumps to flood workings		m3	1,265,012	POCL	\$0.12	\$151,801	\$75,901	\$75,901
Other				#N/A	\$0.00	\$0	\$0	\$0
INSTALL GROUNDWATER COLLECTION SYSTEM - not required								
Excavate/install sumps		m2		#N/A	\$0.00	\$0	\$0	\$0
Install pumping wells		m3		#N/A	\$0.00	\$0	\$0	\$0
Install pumps/pipelines/power supply		m		#N/A	\$0.00	\$0	\$0	\$0
SPECIALIZED ITEMS -not required								
Install water quality monitoring pipes		each		#N/A	\$0.00	\$0	\$0	\$0
Install permanent pumping system		each		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
Note:					Total	\$775,689	\$387,845	\$387,845
					% of Total		50%	50%

Rock Pile Name:		Whale Tail							
ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost	
STABILIZE SLOPES - Amaruq Exploration									
Waste Rock Stockpile	as per NWB Water Licence 2BB-MEA1828								
Flatten slopes with dozer	Contouring of Waste Rock - Grading within Operations Pad	m3	266,000	DR	\$1.50	\$399,000	50%	\$199,500	\$199,500
Flatten "bubble dump" areas		m3		#N/A	\$0.00	\$0		\$0	\$0
Divert runon, ditch mat'l A		m3		#N/A	\$0.00	\$0		\$0	\$0
Divert runon, ditch mat'l B		m3		#N/A	\$0.00	\$0		\$0	\$0
Toe buttress, drain mat'l		m3		#N/A	\$0.00	\$0		\$0	\$0
Toe buttress, fill mat'l A		m3		#N/A	\$0.00	\$0		\$0	\$0
Toe buttress, fill mat'l B		m3		#N/A	\$0.00	\$0		\$0	\$0
COVER ROCK PILE									
Subgrade preparation - doze surface		m3		#N/A	\$0.00	\$0		\$0	\$0
Thermal cover - excavate,haul,spread&compact	Amount currently placed: 4,095,301 m³ Amount remaining to be placed: 2,324,184m³. 80% to be placed during operations with remaining 20% placed at closure. Current Design volume 6,419,485 m³ Assumes that 80% of the cover will be placed during operations as progressive reclamation. The remaining 20% will be placed at closure. Closure cover thickness will be 4.7 m and will be constructed with NPAG/NML waste rock. The ultimate configuration of the stockpile was used for the estimate. The total cover volume for Whale Tail WRSFstockpile is estimated at 6,190,000 m³. 20% of the total volume - to be placed at closure - does not correspond to the worst case scenario. Year 2023 is the worst scenario. Agnico Eagle is committed to place the cover during operations and considers that 20% is a reasonable assumption. Note that the 20% assumption was used and has been accepted in Phase 1 approved RECLAIM. SB1L unit cost is adequate for this operation. Note that this unit cost was used and has been accepted in Phase 1 approved	m3	1,283,897	SB1L	\$4.30	\$5,520,757	50%	\$2,760,379	\$2,760,379
Rock cover - excavate, haul & spread		m3		#N/A	\$0.00	\$0		\$0	\$0
Excavate downslope drainage channel & chute		m3		#N/A	\$0.00	\$0		\$0	\$0
Rip rap drainage channel and chute		m3		#N/A	\$0.00	\$0		\$0	\$0
Vegetate		ha		#N/A	\$0.00	\$0		\$0	\$0
Other				#N/A	\$0.00	\$0		\$0	\$0
VERY LOW PERMEABILITY COVER (in addition to above)									
Liner subgrade preparation - compact		m2		#N/A	\$0.00	\$0		\$0	\$0
Supply geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Install geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Protective cover - excavate,haul,spread&compact		m3		#N/A	\$0.00	\$0		\$0	\$0
Vegetate		ha		#N/A	\$0.00	\$0		\$0	\$0
Install infiltration/seepage instrumentation		allow		#N/A	\$0.00	\$0		\$0	\$0
CONSTRUCT DIVERSION DITCHES									
Excavate ditches -soil		m3		#N/A	\$0.00	\$0		\$0	\$0
Excavate ditches -rock		m3		#N/A	\$0.00	\$0		\$0	\$0
Rip rap in channel base		m3		#N/A	\$0.00	\$0		\$0	\$0
CONSTRUCT SEEPAGE COLLECTION POND									
Excavate seepage collection pond		m3		#N/A	\$0.00	\$0		\$0	\$0
Doze & spread excavated material		m3		#N/A	\$0.00	\$0		\$0	\$0
Vegetate spread material		ha		#N/A	\$0.00	\$0		\$0	\$0
Bedding layer		m3		#N/A	\$0.00	\$0		\$0	\$0
Supply geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Install geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Erosion protection layer		m3		#N/A	\$0.00	\$0		\$0	\$0
INSTALL GROUNDWATER COLLECTION SYSTEM									
Excavate/install sumps		m3		#N/A	\$0.00	\$0		\$0	\$0
Install pumping wells		m3		#N/A	\$0.00	\$0		\$0	\$0
Install pumps/pipelines/power supply		allow		#N/A	\$0.00	\$0		\$0	\$0
RELOCATE DUMPS									
Load, haul, dump or doze		m3		#N/A	\$0.00	\$0		\$0	\$0
Add lime		tonne		#N/A	\$0.00	\$0		\$0	\$0
Contour reclaimed area		ha		#N/A	\$0.00	\$0		\$0	\$0
Other	Waste Rock Survey (500 samples) - as per Phase 1 approved RECLAIM	allow	1	#N/A	\$100,000.00	\$100,000	50%	\$50,000	\$50,000
SPECIALIZED ITEMS									
Install permanent instrumentation	thermistors to be installed assumed 5 - as per Phase 1 approved RECLAIM As discussed in the ICRP, thermistors will be installed in the Whale Tail WRSF to verify the predicted performance of the cover during operations and at closure. Shallow thermistor strings will also be installed to verify that the active layer depth does not exceed the thickness of the cover layer. The assumed 5 thermistors at closure (in addition to the ones installed during operations) includes shallow thermistors. The locations for the thermistors (and quantity) will be determined during the final detailed design stage.	Allow	1.2	AE	\$50,000.00	\$60,000	50%	\$30,000	\$30,000
Waste Rock Testing - Amaruq Exploration Waste Rock Stockpile	as per Amaruq Exploration NWB Water Licence 2BB-MEA1828	each	1	#N/A	\$50,000.00	\$50,000	50%	\$25,000	\$25,000
TREAT ROCK PILE SEEPAGE - "It is included on Water Treatment Sheet"									
HEAP LEACH SEEPAGE TREATMENT - Cyanide Detox									
Cyanide destruction water treatment pumping		m3		#N/A	\$0.00	\$0		\$0	\$0
Reagents		tonnes		#N/A	\$0.00	\$0		\$0	\$0
Electrician/mechanic to maintain treatment plant		allow		#N/A	\$0.00	\$0		\$0	\$0
Equipment maintenance and parts		allow		#N/A	\$0.00	\$0		\$0	\$0
Annual treatment costs						\$0			
Number of years of treatment			years		Total treatment costs		\$0		
HEAP LEACH SEEPAGE TREATMENT - ARD/ML**									
Upgrade/modify pumping system - report to WTP		allow		#N/A	\$0.00	\$0			\$0
Total						\$6,129,757		\$3,064,879	\$3,064,879
% of Total								50.0%	50.0%

Note:

* For construction of passive treatment system refer to "Water Management". ARD/ML seepage treatment becomes post-closure water treatment cost

**Heap leach ARD/ML seepage treatment becomes post-closure water treatment cost

Rock Pile Name:		IVR		1					
ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost	% Land	Land Cost	Water Cost
STABILIZE SLOPES									
Flatten slopes with dozer		m3		#N/A	\$0.00	\$0		\$0	\$0
Flatten "bubble dump" areas		m3		#N/A	\$0.00	\$0		\$0	\$0
Divert runoff, ditch mat'l A		m3		#N/A	\$0.00	\$0		\$0	\$0
Divert runoff, ditch mat'l B		m3		#N/A	\$0.00	\$0		\$0	\$0
Toe buttress, drain mat'l		m3		#N/A	\$0.00	\$0		\$0	\$0
Toe buttress, fill mat'l A		m3		#N/A	\$0.00	\$0		\$0	\$0
Toe buttress, fill mat'l B		m3		#N/A	\$0.00	\$0		\$0	\$0
COVER ROCK PILE									
Subgrade preparation - doze surface		m3		#N/A	\$0.00	\$0		\$0	\$0
	Amount currently placed: 1,200,497 m³ Amount remaining to be placed: 2,045,116 m³. 80% to be placed during operations with remaining 20% placed at closure. Current design total volume is 3,245,613 m³ Assumes that 80% of the cover will be placed during operations as progressive reclamation. The remaining 20% will be placed at closure. Closure cover thickness will be 4.7 m and will be constructed with NPAG/NML waste rock. The ultimate configuration of the stockpile was used for the estimate. The total cover volume for IVR WRSF stockpile is estimated at 3,850,000 m³. 20% of the total volume - to be placed at closure - does not correspond to the worst case scenario. Year 2023 is the worst scenario. Agrico Eagle is committed to place the cover during operations and considers that 20% is a reasonable assumption. Note that the 20% assumption was used and has been accepted in Phase 1 approved RECLAIM. SB1L unit cost is adequate for this operation. Note that this unit cost was used and has been accepted in Phase 1 approved								
Thermal cover - excavate,haul,spread&compact		m3	649,123	SB1L	\$4.30	\$2,791,227	50%	\$1,395,614	\$1,395,614
Rock cover - excavate, haul & spread		m3		#N/A	\$0.00	\$0		\$0	\$0
Excavate downslope drainage channel & chute		m3		#N/A	\$0.00	\$0		\$0	\$0
Rip rap drainage channel and chute		m3		#N/A	\$0.00	\$0		\$0	\$0
Vegetate		ha		#N/A	\$0.00	\$0		\$0	\$0
Other				#N/A	\$0.00	\$0		\$0	\$0
VERY LOW PERMEABILITY COVER (in addition to above)									
Liner subgrade preparation - compact		m2		#N/A	\$0.00	\$0		\$0	\$0
Supply geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Install geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Protective cover - excavate,haul,spread&compact		m3		#N/A	\$0.00	\$0		\$0	\$0
Vegetate		ha		#N/A	\$0.00	\$0		\$0	\$0
Install infiltration/seepage instrumentation		allow		#N/A	\$0.00	\$0		\$0	\$0
CONSTRUCT DIVERSION DITCHES									
Excavate ditches -soil		m3		#N/A	\$0.00	\$0		\$0	\$0
Excavate ditches -rock		m3		#N/A	\$0.00	\$0		\$0	\$0
Rip rap in channel base		m3		#N/A	\$0.00	\$0		\$0	\$0
CONSTRUCT SEEPAGE COLLECTION POND									
Excavate seepage collection pond		m3		#N/A	\$0.00	\$0		\$0	\$0
Doze & spread excavated material		m3		#N/A	\$0.00	\$0		\$0	\$0
Vegetate spread material		ha		#N/A	\$0.00	\$0		\$0	\$0
Bedding layer		m3		#N/A	\$0.00	\$0		\$0	\$0
Supply geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Install geomembrane		m2		#N/A	\$0.00	\$0		\$0	\$0
Erosion protection layer		m3		#N/A	\$0.00	\$0		\$0	\$0
INSTALL GROUNDWATER COLLECTION SYSTEM									
Excavate/install sumps		m3		#N/A	\$0.00	\$0		\$0	\$0
Install pumping wells		m3		#N/A	\$0.00	\$0		\$0	\$0
Install pumps/pipelines/power supply		allow		#N/A	\$0.00	\$0		\$0	\$0
RELOCATE DUMPS									
Load, haul, dump or doze		m3		#N/A	\$0.00	\$0		\$0	\$0
Add lime		tonne		#N/A	\$0.00	\$0		\$0	\$0
Contour reclaimed area		ha		#N/A	\$0.00	\$0		\$0	\$0
Other	Waste Rock Survey (500 samples)	allow	1	#N/A	\$100,000.00	\$100,000	50%	\$50,000	\$50,000
SPECIALIZED ITEMS									
	thermistors to be installed assume 5 As discussed in the ICRP, thermistors will be installed in the IVR WRSF to verify the predicted performance of the cover during operations and at closure. Shallow thermistor strings will also be installed to verify that the active layer depth does not exceed the thickness of the cover layer. The assumed 5 thermistors at closure (in addition to the ones installed during operations) includes shallow thermistors. The locations for the thermistors (and quantity) will be determined during the final detailed design stage.								
Install permanent instrumentation		Allow	0.6 AE		\$50,000.00	\$30,000	50%	\$15,000	\$15,000
Install permanent instrumentation, drilling		each		#N/A	\$0.00	\$0		\$0	\$0
TREAT ROCK PILE SEEPAGE - "It is included on Water Treatment Sheet"									
HEAP LEACH SEEPAGE TREATMENT - Cyanide Detox									
Cyanide destruction water treatment pumping		m3		#N/A	\$0.00	\$0		\$0	\$0
Reagents		tonnes		#N/A	\$0.00	\$0		\$0	\$0
Electrician/mechanic to maintain treatment plant		allow		#N/A	\$0.00	\$0		\$0	\$0
Equipment maintenance and parts		allow		#N/A	\$0.00	\$0		\$0	\$0
Annual treatment costs						\$0			
Number of years of treatment		years				Total treatment costs			
						\$0			
HEAP LEACH SEEPAGE TREATMENT - ARD/ML**									
Upgrade/modify pumping system - report to WTP		allow		#N/A	\$0.00	\$0		\$0	\$0
Total						\$2,921,227		\$1,460,614	\$1,460,614
% of Total								50.0%	50.0%

* For construction of passive treatment system refer to "Water Management". ARD/ML seepage treatment becomes post-closure water treatment cost

**Heap leach ARD/ML seepage treatment becomes post-closure water treatment cost

Building / Equip Name:		Bldg / Equip #:						
ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost
DISPOSE MOBILE EQUIPMENT								
Decontaminate and ship off-site	See Section 4.5.4 of the ICRP for mobile equipment details This allowance is to provide a conservative estimate. It assumes that the equipment will not be in good condition to be shipped off-site to the local community and therefore, it will be decontaminated and disposed on-site. Agnico Eagle will ship off-site the equipment to the local community otherwise. The unit rate is from RECLAIM and it is considered to be representative of the local rate for this skill set.	allow		#N/A	\$0.00	\$0	\$0	\$0
Decontaminate and dispose on-site		manhours	600 MECHL		\$49.00	\$29,400	50%	\$14,700
Other			#N/A		\$0.00	\$0		\$0
REMOVE BUILDINGS - see note below.								
Accommodation Complex - Main Camp	This RECLAIM estimate includes the Approved Project and Expansion Project. There is no double count in the financial security, see Section 10 of the ICRP for details. area based on Figure 1.1.1	m2	18000 BRS1L		\$45.00	\$810,000	50%	\$405,000
Process Facilities - Crushers		m2	#N/A		\$0.00	\$0	50%	\$0
Offices, kitchen, ERT	as per Phase 1 approved RECLAIM	m2	1311 BRS1L		\$45.00	\$59,009	50%	\$29,504
Storage Facilities (Main Warehouse)	as per Phase 1 approved RECLAIM	m2	3699 BRS1L		\$45.00	\$166,455	50%	\$83,228
Water and Wastewater Treatment Facilities	as per Phase 1 approved RECLAIM	m2	178 BRS1L		\$45.00	\$8,030	50%	\$4,015
Power Plant	as per Phase 1 approved RECLAIM	m2	216 BRS1H		\$65.00	\$14,014	50%	\$7,007
Communication Tower	as per Phase 1 approved RECLAIM	m2	100 BRS1H		\$65.00	\$6,500	50%	\$3,250
Water treatment plant	Two treatment plants (for brackish water and brine water) - area based on Figure 1.1.1	m2	1500 BRS1L		\$45.00	\$67,500	50%	\$33,750
U/G Heating Plant	two plants assumed 30 x 30 m located near the Meadowbank Mine is covered under licence 2AM MEA1526	m2	1800 BRS1H		\$65.00	\$117,000	50%	\$58,500
Emulsion Plant - Meadowbank Mine	area based on Figure 1.1.1	m2	#N/A		\$0.00	\$0	50%	\$0
Emulsion Plant - Mammoth Lake	2 CRF plants (dismantled and disposed in landfill located within WT WRSF)	m2	1800 BRS1H		\$65.00	\$117,000	50%	\$58,500
Cement Rock Fill Plants		m2	320 BRS1H		\$65.00	\$20,800	50%	\$10,400
AN Storage Facility		m2	50 BRS1L		\$45.00	\$2,250	50%	\$1,125
Shop area and others	area based on Figure 1.1.1	m2	4508 BRS1L		\$45.00	\$202,860	50%	\$101,430
Storage Facility at Laydown/Airstrip		m2	#N/A		\$0.00	\$0		\$0
Fuel tanks	On-Site bulk fuel tanks (1.5 ML) - as per Phase 1 approved RECLAIM. It includes removal of liner system associated with the fuel storage facility. Additional tanks for (700,000 L and 500,000 L). It includes removal of liner systems associated with the fuel storage facilities.	m2	213 BRS1H		\$65.00	\$13,851	50%	\$6,925
Fuel tanks		m2	170 BRS1H		\$65.00	\$11,081	50%	\$5,540
Fire protection- Pumping station	as per Phase 1 approved RECLAIM	m2	30 BRS1H		\$65.00	\$1,933	50%	\$967
Fresh water intake	as per Phase 1 approved RECLAIM - Whale Tail Lake/Nemo Lake	m2	200 BRS1L		\$45.00	\$9,000	50%	\$4,500
Reclaim pumps		m2	#N/A		\$0.00	\$0		\$0
Outfall & Diffuser	included in Water Management Tab	allow	#N/A		\$0.00	\$0		\$0
New incinerator, composter	assumed	m2	100 BRS1L		\$45.00	\$4,500	50%	\$2,250
Airstrip lighting, navigation, electrician		mandays	#N/A		\$0.00	\$0		\$0
Airstrip lighting, navigation, mechanical		mandays	#N/A		\$0.00	\$0		\$0
Break foundation slabs	Estimated area of slabs on grade	m2	11000.0 BRCS		\$6.00	\$66,000	50%	\$33,000
Consolidate & dump boneyard debris		m3	#N/A		\$0.00	\$0		\$0
Ramp portal		m2	#N/A		\$0.00	\$0		\$0
Workers Dry	as per Phase 1 approved RECLAIM	m2	668 BRS1L		\$45.00	\$30,042	50%	\$15,021
WTP & Fresh water pumping station	as per Phase 1 approved RECLAIM	m2	832 BRS1L		\$45.00	\$37,444	50%	\$18,722
WRSF Pond, Attenuation Pond pumphouses	as per Phase 1 approved RECLAIM	m2	24 BRS1L		\$45.00	\$1,098	50%	\$549
IVR Attenuation Pond pumphouse		m2	24 BRS1L		\$45.00	\$1,098	50%	\$549
Water Intake - Mammoth Lake	included in Water Management Tab	m2	#N/A		\$0.00	\$0		\$0
LANDFILL FOR DEMOLITION WASTE								
Place rock cover	in WT WRSF cover cost	m3	#N/A		\$0.00	\$0		\$0
Place soil cover		m3	#N/A		\$0.00	\$0		\$0
Vegetate		ha	#N/A		\$0.00	\$0		\$0

Building / Equip Name:		Bldg / Equip #:						
ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost
GRADE AND CONTOUR PADS								
Accommodation Complex - Main Camp	area based on Figure 1.1.1 - includes surrounding facilities area	m2	179400	SCFYL	\$0.43	\$77,142	50%	\$38,571
Process Facilities - Crushers		m2		#N/A	\$0.00	\$0		\$0
Offices, kitchen, ERT	area as per Phase 1 approved RECLAIM	m2	1204	SCFYL	\$0.43	\$518	50%	\$259
Storage Facilities (Main Warehouse)	area as per Phase 1 approved RECLAIM	m2	3699	SCFYL	\$0.43	\$1,591	50%	\$795
Water and Wastewater Treatment Facilities	area as per Phase 1 approved RECLAIM	m2	178	SCFYL	\$0.43	\$77	50%	\$38
Power Plant	area as per Phase 1 approved RECLAIM	m2	216	SCFYL	\$0.43	\$93	50%	\$46
Communication Tower	area as per Phase 1 approved RECLAIM	m2	100	SCFYL	\$0.43	\$43	50%	\$22
Water treatment plant	area based on Figure 1.1.1	m2	1500	SCFYL	\$0.43	\$645	50%	\$323
U/G Heating Plant		m2		#N/A	\$0.00	\$0		\$0
Emulsion Plant	area based on Figure 1.1.1	m2	1800	SCFYL	\$0.43	\$774	50%	\$387
Cement Rock Fill Plants	area based on Figure 1.1.1	m2	320	SCFYL	\$0.43	\$138	50%	\$69
AN Storage Facility	area as per Phase 1 approved RECLAIM	m2	50	SCFYL	\$0.43	\$22	50%	\$11
Shops and Other	area based on Figure 1.1.1	m2	4508	SCFYL	\$0.43	\$1,938	50%	\$969
Fuel tanks on site / Bulk fuel tank	area as per Phase 1 approved RECLAIM	m2	713	SCFYL	\$0.43	\$307	50%	\$153
Additional tanks	Add 500 m2 for containment berm	m2	670	SCFYL	\$0.43	\$288	50%	\$144
Fire protection- Pumping station	area as per Phase 1 approved RECLAIM	m2	29.7	SCFYL	\$0.43	\$13	50%	\$6
Fresh water intake	as per Phase 1 approved RECLAIM - Whale Tail Lake/Nemo Lake landfarm area based on Figure 1.1.1 plus above assumption for incinerator and compost area	m2	200	SCFYL	\$0.43	\$86	50%	\$43
New incinerator, compost, and landfarm		m2	10900	SCFYL	\$0.43	\$4,687	50%	\$2,344
Ramp portal		m2		#N/A	\$0.00	\$0		\$0
Workers Dry	area as per Phase 1 approved RECLAIM	m2	668	SCFYL	\$0.43	\$287	50%	\$144
WTP & Fresh water pumping station	area as per Phase 1 approved RECLAIM	m2	832	SCFYL	\$0.43	\$358	50%	\$179
WRSF Pond, Attenuation Pond pumphouses	area as per Phase 1 approved RECLAIM	m2	24	SCFYL	\$0.43	\$10	50%	\$5
Others		m2		#N/A	\$0.00	\$0		\$0
PUNCTURE LINED SUMPS								
Puncture liner and place soil cover		m3		#N/A	\$0.00	\$0		\$0
RECLAIM ROADS								
Remove culverts	per ICRP (7) + haul road (153) - as per Phase 1 approved RECLAIM As mentioned in the ICRP - Section 4.5.6 as example - Consisted with the Approved Project, the bridges and culverts were already designed at the exploration stage to accommodate potential for use of the exploration road as a haul road. Therefore, the estimate for their removal does not need to be increased to accommodate the changes on the road due to the road upgrade. The haul road culverts and bridges have been included in the Phase 1 approved RECLAIM as the associated licence has been haul road (11 bridges per AEM) - as per Phase 1 approved RECLAIM	each	160	AEM	\$4,000.00	\$640,000	50%	\$320,000
Remove bridges	As mentioned in the ICRP - Section 4.5.6 as example - Consisted with the Approved Project, the bridges and culverts were already designed at the exploration stage to accommodate potential for use of the exploration road as a haul road. Therefore, the estimate for their removal does not need to be increased to accommodate the changes on the road due to the road upgrade. The haul road culverts and bridges have been included in the Phase 1 approved RECLAIM as the associated licence has been cancelled.	each	11	AEM	\$50,000.00	\$550,000	50%	\$275,000
Scarify roads	Account only remain width of AWR of 62.5 km at 8.5 m width (15m - exploration 6.5m) + 8 km of local roads at 9.5 m width includes side slopes	ha	60.73	SCFYL	\$4,300.00	\$261,118	50%	\$130,559
Scarify airstrip	Covered under Type B Water Licence (2BE-MEA1318) - as per Phase 1 approved RECLAIM	ha		#N/A	\$0.00	\$0		\$0
Scarify WT ore piles and laydown areas	Including underground ore pile and underground waste rock pad and laydown areas - area based on Figure 1.1.1	ha	34.3	SCFYL	\$4,300.00	\$147,490	50%	\$73,745
Scarify IVR ore piles and laydown areas	area based on Figure 1.1.1	ha	14.9	SCFYL	\$4,300.00	\$64,070	50%	\$32,035
Scarify temporary NPAG WRSF and overburden areas	area based on Figure 1.1.1	ha	22.7	SCFYL	\$4,300.00	\$97,610	50%	\$48,805
Vegetate	Naturally re-vegetated - as per Phase 1 approved RECLAIM	ha		#N/A	\$0.00	\$0		\$0
Other	Close and Reclaim Borrow pits for haul road construction - as per Phase 1 approved RECLAIM	ha	73.6	AEM	\$1,500.00	\$110,400	50%	\$55,200
Scarify areas from Amaruq Exploration - Laydown, Garage, Office, Warehouse and Bulk Sample Storage	as per NWB Water Licence 2BB-MEA1828	ha	3	SCFYH	\$6,030.00	\$18,090	50%	\$9,045
SPECIALIZED ITEMS								
Dispose of misc. debris and laydown area refuse				#N/A	\$0.00	\$0		\$0
Total						\$3,774,657	\$1,887,329	\$1,887,329
% of Total							50%	50%

Note: Unit costs are based on 3m high, single storey building. Scale larger building areas accordingly. E.g. 10m high building multiply area by 3.3 (10/3)

1 Chemicals/Soil Area Name:

Note: The procedures, equipment and packaging for clean up and removal of chemicals or contaminated soils are highly dependent on the nature of the chemicals and their existing state of containment. Government guidelines should be consulted on an individual chemical basis. Any estimate made here should be considered very rough unless specific evaluations have been conducted.

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost
HAZARDOUS MATERIALS AUDIT								
Hazardous materials audit	Not required - as per Phase 1 approved RECLAIM	mandays		#N/A	\$0.00	\$0	\$0	\$0
HAZARDOUS MATERIALS REMOVAL - they will be managed on an ongoing basis and consequently, there will be relatively little accumulation of these materials on-site at closure								
Environmental technician/coordinator		mandays		#N/A	\$0.00	\$0	\$0	\$0
Decontaminate: oil, fuel tanks		m2	1384		\$22.80	\$31,545	50%	\$15,773
Decontaminate maintenance shop		m2	4508		\$22.80	\$102,782	50%	\$51,391
Decontaminate power plant		m2	216		\$22.80	\$4,916	50%	\$2,458
Decontaminate bulk fuel storage	above	m2			\$22.80	\$0	50%	\$0
Decontaminate ANFO plant		m2	50		\$22.80	\$1,140	50%	\$570
Decontaminate offices/warehouse/accom		m2	1204		\$22.80	\$27,446	50%	\$13,723
Removal of asbestos siding on buildings		m2		#N/A	\$0.00	\$0		\$0
Removal of friable asbestos on equipment		m2		#N/A	\$0.00	\$0		\$0
Other				#N/A	\$0.00	\$0		\$0
HAZARDOUS MATERIALS REMOVAL - they will be managed on an ongoing basis and consequently, there will be relatively little accumulation of these materials on-site at closure								
Waste oils	allowance	litre	45,000	ORL	\$0.43	\$19,350	50%	\$9,675
Waste fuel	allowance	litre	240,000	ORL	\$0.43	\$103,200	50%	\$51,600
Waste batteries	allowance - includes fee and transportation	allow	1	AE	\$4,500.00	\$4,500	50%	\$2,250
Assay & environmental lab reagents		kg		#N/A	\$0.00	\$0		\$0
Machine shop paints, solvents etc.	includes fee and transportation - as per Phase 1 approved RECLAIM	allow	1	AE	\$10,000.00	\$10,000	50%	\$5,000
Glycol	includes fee and transportation - as per Phase 1 approved RECLAIM	allow	1	AE	\$20,000.00	\$20,000	50%	\$10,000
Process reagents		kg		#N/A	\$0.00	\$0		\$0
Nuclear sources		allow		#N/A	\$0.00	\$0		\$0
Other hazardous materials	includes fee and transportation - as per Phase 1 approved RECLAIM	allow	1	AE	\$20,000.00	\$20,000	50%	\$10,000
HAZARDOUS MATERIALS								
Transportation to disposal facility		kg	30000	PCRL	\$0.45	\$13,500	50%	\$6,750
Disposal fees		tonnes	30	AE	\$155.00	\$4,650	50%	\$2,325
Other	supervision of hazmat abatement - as per Phase 1 approved RECLAIM	allow	1	AE	\$40,000.00	\$40,000	50%	\$20,000
CONTAMINATED SOILS								
Contam. soil investigation - Phase 1		each	1	CS1L	\$7,500.00	\$7,500	50%	\$3,750
Contam. soil investigation - Phase 2	ESA program - as per Phase 1 approved RECLAIM	allow	1	AE	\$100,000.00	\$100,000	50%	\$50,000
CONTAMINATED SOIL REMOVAL								
Excavate and transport to onsite landfarm (Site fuel, power plant, Mine maintenance shop)	Assumed quantities	m3	5000	SC4L	\$9.30	\$46,500	50%	\$23,250
Manage PHC contaminated soil in onsite landfarm		m3	5000	CSRL	\$47.00	\$235,000	50%	\$117,500
Removal of remediated soils	removal of remediated soils from Whale Tail landfarm - remediated soils to be used for reclamation activities	m3	5,000	SB3L	\$5.10	\$25,500	50%	\$12,750
Reagents/stabilizing agent		m2		#N/A	\$0.00	\$0		\$0
Excavate and transport to offsite facility	Allowance for heavy oil impacts (10% of light fraction) - as per Phase 1 approved RECLAIM	m3	500	AE	\$155.00	\$77,500	50%	\$38,750
Contour decontaminated area	as per Phase 1 approved RECLAIM	m3	5000	DSL	\$0.95	\$4,750	50%	\$2,375
CONTAMINATED SOIL VERY LOW PERMEABILITY COVER								
Supply geomembrane, HDPE, ES3, GCL		m2		#N/A	\$0.00	\$0		\$0
Upper and lower bedding layers		m3		#N/A	\$0.00	\$0		\$0
Install geomembrane, HDPE, ES3, GCL		m2		#N/A	\$0.00	\$0		\$0
Erosion protection layer		m3		#N/A	\$0.00	\$0		\$0
Vegetate		m2		#N/A	\$0.00	\$0		\$0
Install infiltration/seepage instrumentation		allow		#N/A	\$0.00	\$0		\$0
Other				#N/A	\$0.00	\$0		\$0
OTHER								
				#N/A	\$0.00	\$0		\$0
Total						\$899,779	\$449,889	\$449,889
% of Total							50%	50%

1 Capital Expenditures and Short Term Water Treatment identified in 'Instructions' worksheet

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
BREACH DYKE EMBANKMENT						
Remove (excavate) fill	Assumed a total of 5 breaches: 3 on Whale Tail Dyke, 1 on Mammoth Dyke, 1 on WRSF Dyke. Total dykes material will be removed and placed in the WT WRSF	m3	12,500	SC3L	\$8.90	\$111,250
Remove (excavate) fill	Breach IVR retention dikes D1, D2 and S3 including IVR diversion berm. Total dykes material will be removed and placed in the IVR WRSF	m3	13,500	SC3L	\$8.90	\$120,150
Contour water intake area		m3		#N/A	\$0.00	\$0
STABILIZE SEDIMENT PONDS/WATER MANAGEMENT PONDS						
Backfill GSP-1	Updated based on current strategy.	m3	-	SB1L	\$4.30	\$0
Repurpose/Install dewatering pumps and piping for pond dewatering	\$100,000 to repurpose existing pump system	Allow	1	OPS	\$100,000.00	\$100,000
Drain GSP-1 for sediment characterization.			716,400	OPS	\$0.02	\$14,328
Backfill GSP-2	No longer required as per current water treatment strategy up to elevation 160 m with NPAG	m3	-	SB1L	\$4.30	\$0
Backfill GSP-3	No longer required as per current water treatment strategy	m3	-	SB1L	\$4.30	\$0
Backfill former lakes within IVR Attenuation Pond	Updated volume.	m3	-		\$4.30	\$0
Drain IVR Attenuation Pond for sediment characterization.	Backfill with NPAG the former A53 lake and small lake within pond area	m3	-	SB1L	\$4.30	\$0
Doze & spread excavated material		m3	895,994	OPS	\$0.02	\$17,920
Vegetate spread material		ha		#N/A	\$0.00	\$0
Rip rap in channel base		each		#N/A	\$0.00	\$0
Remove sediments from WRSF ponds and place them in the landfill	Relocate to landfill - as per Phase 1 approved RECLAIM	allow	1	AE	\$10,000.00	\$10,000
REDIRECT RUNOFF/CONSTRUCT DIVERSION DITCHES						
Excavate ditches -soil	assumed 100 m - as per Phase 1 approved RECLAIM	m3	720	SC3L	\$8.90	\$6,408
Excavate ditches -rock		m3		#N/A	\$0.00	\$0
Stabilize side slopes		m3		#N/A	\$0.00	\$0
Rip rap in channel base	assumed 100 m - as per Phase 1 approved RECLAIM	m3	220	RR2L	\$14.20	\$3,124
BREACH DITCHES						
Excavate breaches		m3		#N/A	\$0.00	\$0
Backfill/recontour Amaruk Exploration diversion ditch	as per NWB Water Licence 2BB-MEA1828	m3	50	R33H	\$17.80	\$890
Backfill/recontour	as per Phase 1 approved RECLAIM	m3	44,130	SB3L	\$5.10	\$225,063
Backfill/recontour	New IVR WRSF, expansion of WT WRSF and WT Ore Pile drainage collection system, channel length measured from Figure 1.1.1 = 6700 m (assumed volume of 20,100m3). Assumed 30% of this volume was for recontour of channels to restore drainage path (remaining assumed that will be filled with sediments with time) - similar to Phase 1 assumption	m3	6,030	SB3L	\$5.10	\$30,753
Install flow dissipation		m3		#N/A	\$0.00	\$0
Vegetate remainder of ditch		m2		#N/A	\$0.00	\$0
DECOMMISSION FRESH WATER SUPPLY						
Breach embankment		m		#N/A	\$0.00	\$0
Remove pump	Nemo Lake and Whale Tail (South Basin) - as per Phase 1 approved RECLAIM	LS	1	EA	\$20,000.00	\$20,000
Remove pipeline	Nemo Lake and Whale Tail (South Basin) - as per Phase 1 approved RECLAIM	LS	1	EA	\$40,000.00	\$40,000
Remove pump	Mammoth Lake (new intake, water to be used for explosive mixing)	LS	1	EA	\$10,000.00	\$10,000
Remove pipeline	to explosive mixing	LS	1	EA	\$5,000.00	\$5,000
WATER CONTROL IN RECLAMATION QUARRY						
Install pumping system		LS		#N/A	\$0.00	\$0
Remove pumping system		LS		#N/A	\$0.00	\$0
REMOVE PIPELINES						
Remove pipes		m		#N/A	\$0.00	\$0
Concrete plug deep pipes		m3		#N/A	\$0.00	\$0
Remove discharge diffusers	2 at Whale Tail South Basin and 1 at Mammoth Lake	LS	3	#N/A	\$20,000.00	\$60,000
GROUNDWATER COLLECTION SYSTEM						
Excavate/install sumps		m3		#N/A	\$0.00	\$0
Install pumping wells		m3		#N/A	\$0.00	\$0
Install pumps/pipelines/power supply		LS		#N/A	\$0.00	\$0
CONSTRUCT CONTAMINATED WATER STORAGE POND						
Excavate pond		m3		#N/A	\$0.00	\$0
Doze & spread excavated material		m3		#N/A	\$0.00	\$0
Vegetate spread material		ha		#N/A	\$0.00	\$0
Bedding layer		m3		#N/A	\$0.00	\$0
Supply geomembrane		m2		#N/A	\$0.00	\$0
Install geomembrane		m2		#N/A	\$0.00	\$0
Erosion protection layer		m3		#N/A	\$0.00	\$0
CONSTRUCT PASSIVE TREATMENT SYSTEM (e.g. Constructed Wetland)						
Construct access roads		km		#N/A	\$0.00	\$0
Install HDPE piping system from collection pond		m		#N/A	\$0.00	\$0
Inter-cell flow structures		allow		#N/A	\$0.00	\$0
Install liners		m2		#N/A	\$0.00	\$0
Install growth media		m3		#N/A	\$0.00	\$0
Wetland vegetation		ha		#N/A	\$0.00	\$0
CONSTRUCT WATER TREATMENT PLANT						
Build treatment plant		LS		#N/A	\$0.00	\$0
Build sludge containment facility		LS		#N/A	\$0.00	\$0
CONSTRUCT TEMPORARY WATER TREATMENT PLANT						
Build treatment plant		LS		#N/A	\$0.00	\$0
Build sludge containment facility		LS		#N/A	\$0.00	\$0
Storage, Prep and Reactor Tanks/Silos		Allow	2	OPS	\$855,000.00	\$1,710,000
Mech. Equip. (Metering Pumps and Air)		Allow	2	OPS	\$385,000.00	\$770,000
Piping		%	30		\$372,000.00	\$372,000
Electrical		%	15		\$186,000.00	\$186,000
Instrumentation and Controls		%	15		\$186,000.00	\$186,000
Equipment Installation Costs		%	35		\$434,000.00	\$434,000
DECOMMISSION TEMPORARY WATER TREATMENT PLANT						
Decontaminate and dispose equipment on site		manhours	540	LAB-USL	\$31.00	\$16,740
Camp Accommodations		days	45	ACCML	\$100.00	\$4,500
Demolish Structure		m2	1500	BRS1L	\$45.00	\$67,500
Scarify Footprint		ha	0.15	SCFYH	\$6,030.00	\$905
SHORT TERM WATER TREATMENT*						
Annual water treatment cost, from "Water Treatment"		yr	6		\$3,038,037.60	\$18,228,226
					Total	\$22,750,756

For cost of long-term/post-closure water treatment see "WATER TREATMENT" Worksheet"

1 Post Closure Water Treatment - Identified as long term/post-closure in 'Instructions' worksheet

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
OPERATE TEMPORARY WATER TREATMENT PLANT/ACTIVE CLOSURE						
Reagent Allowance		allow	1	OPS	\$2,800,000.00	\$2,800,000
Direct Pumping cost		m3	894,000.00	OPS	\$0.07	\$62,580
Skilled Labourer (1 skilled labourers X 12hr/day, 6 Months/year)		manhours	2160	OPER-WT	\$59.86	\$129,298
Annual Treatment Plant Servicing (2 Consultants x 7days/year)		manhours	168	OPS	\$120.00	\$20,160
Treatment Plant Servicing Travel Allowance (Round Trip Flight/person)		visits	2	OPS	\$4,000.00	\$8,000
Camp Accomodations		days	180	ACCML	\$100.00	\$18,000
ADDITION OF REAGENTS TO WTP						
H2O2		kg		#N/A	\$0.00	\$0
lime		kg		#N/A	\$0.00	\$0
ferric sulphate		kg		#N/A	\$0.00	\$0
ferrous sulphate		kg		#N/A	\$0.00	\$0
flocculents		kg		#N/A	\$0.00	\$0
Other		kg		#N/A	\$0.00	\$0
LABOUR AND SUPPLIES						
Annual fuel		litres		#N/A	\$0.00	\$0
Annual power		kW-h		#N/A	\$0.00	\$0
Electrician/mechanic to maintain treatment plant		allow		#N/A	\$0.00	\$0
Equipment maintenance and parts		allow		#N/A	\$0.00	\$0
Misc. supplies, hoses, tools		allow		#N/A	\$0.00	\$0
Communications		allow		#N/A	\$0.00	\$0
Other				#N/A	\$0.00	\$0
WATER MANAGEMENT						
Water Treatment (reagents, equip. Op., labour)		m3		#N/A	\$0.00	\$0
Water pumping from sumps and ponds to treatment plant		allow		#N/A	\$0.00	\$0
Annual Treatment Plant Servicing		manhours		#N/A	\$0.00	\$0
Treatment Plant Servicing Travel Allowance (Round Trip Flight/person)		visits		#N/A	\$0.00	\$0
WTP WATER SAMPLING AND ANALYSES						
Sampling equipment		allow		#N/A	\$0.00	\$0
Analyses		allow		#N/A	\$0.00	\$0
Shipping to laboratory		allow		#N/A	\$0.00	\$0
Reporting		allow		#N/A	\$0.00	\$0
Other				#N/A	\$0.00	\$0
SITE ACCESS						
Road maintenance (incl. snow removal)		allow		#N/A	\$0.00	\$0
Winter road tariff		allow		#N/A	\$0.00	\$0
Truck rental		allow		#N/A	\$0.00	\$0
Air support		allow		#N/A	\$0.00	\$0
Annual water treatment costs						\$3,038,038
Number of years of water treatment	Metals water treatment plant at IVR.	years	6		Total	\$18,228,226

1 Interim Care and Maintenance

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
INTERIM CARE & MAINTENANCE						
on-site caretaker	one skilled labourer - 4 months + 12 days cross-shift travel, 10 hr per day from Amaruk Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate considering that ICM for Amaruk Exploration was 18 months [1.5 years])	hours	1320	lab-sl	41	\$54,120
on-site caretaker		hours	120	lab-sl	41	\$4,920
extra personnel		hours	0	lab-sl	41	\$0
-electrician		hours	0	elech	95	\$0
-mechanic	maintaining pump systems - 4 months + 12 days cross-shift travel, 10 hr per day	hours	1320	mechh	72.85	\$96,162
annual fuel	as per Phase 1 approved RECLAIM from Amaruk Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate considering that ICM for Amaruk Exploration was 18 months [1.5 years])	litre	10000	fdch	1.39	\$13,900
annual fuel		litre	90	fdch	1.39	\$125
misc. supplies	as per Phase 1 approved RECLAIM	allow	240	accmh	175	\$42,000
pick-up truck	two trucks for full summer - daily rate from Amaruk Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate considering that ICM for Amaruk Exploration was 18 months [1.5 years])	each	240	days	150.00	\$36,000
pick-up truck		each	12	days	150.00	\$1,800
small dozer		allow		#N/A	0	\$0
small excavator		allow		#N/A	0	\$0
snow machine		allow		#N/A	0	\$0
communications		allow	1	#N/A	5,000.00	\$5,000
SNP/AEMP water sampling & reporting	Site (\$25K) and AWR (\$2.5k) Reporting - as per Phase 1 approved RECLAIM	each	1	#N/A	27,500.00	\$27,500
geotechnical assessment	Site (\$25K) and AWR (\$1k) Reporting - as per Phase 1 approved RECLAIM	each	1	#N/A	26,000.00	\$26,000
interim water treatment	pit flooding, no effluent	each		#N/A	3038037.6	\$0
Environmental sampling & reporting	from Amaruk Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate considering that ICM for Amaruk Exploration was 18 months [1.5 years])	each	6	#N/A	1,000.00	\$6,000
geotechnical assessment	from Amaruk Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate considering that ICM for Amaruk Exploration was 18 months [1.5 years])	each	6	#N/A	400.00	\$2,400
other		each		#N/A	0	\$0
					Annual Interim C&M Cost	\$315,927
Number of years of ICM		as per Phase 1 approved RECLAIM	years	3	Total	\$947,781

1 Post-Closure Monitoring & Maintenance:

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
MONITORING & INSPECTIONS						
Annual geotechnical inspection		each	1	VIS	\$11,000.00	\$11,000
Surface water sampling		each	2	WSH	\$10,000.00	\$20,000
Ground water sampling		each	2	WSH	\$10,000.00	\$20,000
	from Amaruq Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate considering that Post-closure period was 2 years and no discount rate was used for Amaruq Exploration)					
Surface water sampling		each	0.0985	WSH	\$10,000.00	\$985
	from Amaruq Exploration NWB Water Licence 2BB-MEA1828 (considering that Post-closure period was 2 years and no discount rate was used for Amaruq Exploration)					
Ground water sampling		each	0.28	WSH	\$10,000.00	\$2,800
	from Amaruq Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate considering that Post-closure period was 2 years and no discount rate was used for Amaruq Exploration)					
Survey inspection		each	0.0985	AE	\$30,000.00	\$2,955
Receiving/downstream water sampling		each	2	WSH	\$10,000.00	\$20,000
	Site (\$100K) +AWR (\$5K) - as per Phase 1 approved RECLAIM					
Monitoring program		each	1	AE	\$105,000.00	\$105,000
Survey inspection		each		#N/A	\$0.00	\$0
Regulatory costs*		each		#N/A	\$0.00	\$0
Site water monitoring (AEMP and SNP)		each		#N/A	\$0.00	\$0
- Active closure and flooding		each		#N/A	\$0.00	\$0
- Post pit flooding		each		#N/A	\$0.00	\$0
Air Quality Monitoring Program (AQMP)		each		#N/A	\$0.00	\$0
Wildlife Effects Monitoring Program (WEMP)		each		#N/A	\$0.00	\$0
Vegetation Monitoring		each		#N/A	\$0.00	\$0
Other				#N/A	\$0.00	\$0
COVER MAINTENANCE						
Repair erosion - infill gullies		allow		#N/A	\$0.00	\$0
Repair erosion - upgrade diversion ditches		allow		#N/A	\$0.00	\$0
Remove problem vegetation		allow		#N/A	\$0.00	\$0
Repair animal damage		allow		#N/A	\$0.00	\$0
Repair/upgrade access controls		allow		#N/A	\$0.00	\$0
Other				#N/A	\$0.00	\$0
SPILLWAY MAINTENANCE						
Repair erosion		m3		#N/A	\$0.00	\$0
Clear spillway		each		#N/A	\$0.00	\$0
CWTS MAINTENANCE						
Maintain flow, restore vegetation		allow		#N/A	\$0.00	\$0
WATER TREATMENT POST CLOSURE						
Water treatment - refer to water treatment tab		each	1	#N/A		\$0
POST-CLOSURE WATER TREATMENT						
Subtotal, Annual post-closure costs						\$182,740
Discount rate for calculation of net present value of post-closure cost, %						
				Refer to memo on Post-Closure Monitoring from Agnico Eagle for details		
Number of years of post-closure activity				3.00%		
Present Value of payment stream				20 years		\$2,718,710

*Regulatory costs - annual reporting, management plans, progress reports etc.

1 Mobilization/Demobilization:

				Cost		
ACTIVITY/MATERIAL	Notes	Units	Quantity	Code	Unit Cost	Cost
MOBILIZE HEAVY EQUIPMENT						
Excavators	assume three excavators mobilized from Baker Lake - equipment cost in transit	hrs	12	exc-s	190.00	\$2,280
Dump trucks	assume six dump trucks mobilized from Baker Lake - equipment time in transit	hrs	24	truck-s	225.00	\$5,400
Dozers	assume three dozers mobilized from Baker Lake - equipment time in transit	hrs	12	dozersL	260.00	\$3,120
Demolition shears	assume one set of shears mobilized from Baker Lake - equipment time in transit	hrs	4		200.00	\$800
Crane	assume one crane mobilized from Baker Lake - equipment time in transit	hrs	4		250.00	\$1,000
Loader	assume one loader mobilized from Baker Lake - equipment time in transit	hrs	4	load-s	175.00	\$700
Float truck	Trip out and back from Baker Lake for each piece (except trucks)	hrs	60	truck-ll	300.00	\$18,000
Light duty vehicles	assume four trucks mobilized from Baker Lake - equipment time in transit	hrs	16		25.00	\$400
MOBILIZE MISC. EQUIPMENT						
Pump shipping		each		#N/A	0	\$0
Pipe shipping		m		#N/A	0	\$0
Minor tools and equipment	An allowance to cover the cost of purchase of small tools, equipment and the like as may be required to complete the decommissioning works - as per Phase 1 approved RECLAIM	allow	1	#N/A	50,000.00	\$50,000
Truck tires		allow		#N/A	0	\$0
Other				#N/A	0	\$0
MOBILIZE CAMP						
Maintain Camp Accommodations		allow		#N/A	0	\$0
Reclamation activities		allow		#N/A	0	\$0
Long term reclamation activities (eg pump flooding)		allow		#N/A	0	\$0
MOBILIZE WORKERS						
Reclamation activities - transport	as per Phase 1 approved RECLAIM - plus 30% for the Expansion Project	manhours	788	AE	3,300.00	\$2,599,740
Reclamation activities - travel time	ten workers two hours two trips + AWR time (168*6) - as per Phase 1 approved RECLAIM - plus 30% for the Expansion Project	inhours	28587	AE	80.00	\$2,286,960
Reclamation activities - transport		each		#N/A	0	\$0
Reclamation activities - travel time	from Amaruq Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate)	inhours	4	AE	80.00	\$320
Long term reclamation activities (eg pump flooding) - travel time	as per Phase 1 approved RECLAIM	manhours	3370	#N/A	80.00	\$269,568
Long term reclamation activities (eg pump flooding) - transport	as per Phase 1 approved RECLAIM - plus 30% for the Expansion Project	each	94	AE	3,300.00	\$308,880
Monitoring Airfare		each		#N/A	0	\$0
WORKER ACCOMODATIONS						
Reclamation activities	Site (13786)+AWR (56) - as per Phase 1 approved RECLAIM - plus 30% for the Expansion Project Same unit rate is used in Meadowbank Mine financial security	man-days	17995	ACCML	100	\$1,799,460
Reclamation activities	from Amaruq Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate)	man-days	88	ACCML	100	\$8,800
Long term reclamation activities (eg pump flooding)		manmonths		#N/A	0	\$0
MOBILIZE FUEL						
Fuel freight - reclamation activities	assume sufficient fuel is on site to complete the work - as per Phase 1 approved RECLAIM	litre		#N/A	0	\$0
Fuel freight - long term reclamation activities	assume sufficient fuel is on site to complete the work - as per Phase 1 approved RECLAIM	litre		#N/A	0	\$0
Fuel freight - reclamation activities	from Amaruq Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate)	litre	10000	FCDH	1.39	\$13,900
Fuel freight accommodations		litre		#N/A	0	\$0
WINTER ROAD						
Construction and operation		km		#N/A	0	\$0
Limited winter use		km		#N/A	0	\$0
Winter road tariff		km		#N/A	0	\$0
DEMobilize HEAVY EQUIPMENT						
Excavators	assume three excavators mobilized from Baker Lake - equipment cost in transit	hrs	12	exc-s	190.00	\$2,280
Dump trucks	assume six dump trucks mobilized from Baker Lake - equipment time in transit	hrs	24	truck-s	225.00	\$5,400
Dozers	assume three dozers mobilized from Baker Lake - equipment time in transit	hrs	12	dozersL	260.00	\$3,120
Demolition shears	assume one set of shears mobilized from Baker Lake - equipment time in transit	hrs	4		200.00	\$800
Crane	assume one crane mobilized from Baker Lake - equipment time in transit	hrs	4		250.00	\$1,000
Loader	assume one loader mobilized from Baker Lake - equipment time in transit	hrs	4	load-s	175.00	\$700
Float truck	Trip out and back from Baker Lake for each piece (except trucks)	hrs	60	truck-ll	300.00	\$18,000
Light duty vehicles	assume four trucks mobilized from Baker Lake - equipment time in transit	hrs	16		25.00	\$400
Other		kmtonne		#N/A	0	\$0
DEMobilize CAMP						
		allow		#N/A	0	\$0
DEMobilize WORKERS						
crew travel time	cost in mobilization of workers - as per Phase 1 approved RECLAIM	mandays		#N/A	0	\$0
crew travel time	from Amaruq Exploration NWB Water Licence 2BB-MEA1828 (approximate 40% to account for the works transferred from licence to this estimate)	manhours	4	#N/A	80.00	\$320
crew transportation		each		#N/A	0	\$0
WINTER ROAD						
Construction and operation		km		#N/A	0	\$0
Limited winter use		km		#N/A	0	\$0
Winter road tariff		km		#N/A	0	\$0
					Total	\$7,401,348

Note: Labour costs not included under mobilization - included elsewhere

Escalated Unit Cost Table (for refining unit costs see "Estimator" worksheet)

ITEM	Detail	COST CODE	UNITS	LOW \$	HIGH \$	SPECIFIED \$	COMMENTS
Accommodation							
		ACCM	manday	100.00	175.00		
Buildings - Decontaminate							
	Asbestos	BDA	m2	25.60	51.20		Low: removal of asbestos siding & flooring; High: removal of insulated pipes, friable asbestos
Buildings - Remove							
	Wood	BRW	m2	27.50	41.00		Unit costs are based on 3m high, single storey building. Scale areas accordingly.
	Concrete	BRC	m2	40.00	65.00	6.00	Specified: puncture concrete foundation slabs
	Steel - teardown	BRS1	m2	45.00	65.00	128.00	
	Steel - for salvage	BRS2	m2	67.00	100.00		
Concrete work							
	Small pour	CSF	m3	426.50	639.75	1,000.00	Low: YK; High=1.5xLow
	Large pour	CLF	m3	353.50	530.25	2,130.00	Specified: concrete crown pillar
Contaminated Soils							
	ESA Phase 1	CS1	each	7500.00	0.00		Low: small, "clean" site
	ESA Phase 1	CS2	each	50000.00	0.00		Low: small, "clean" site
	Remediate on site	CSR	m3	47.00	146.00		
Dozing							
	doze rock piles	DR	m3	1.05	2.40		Low cost: doze crest off dump
	doze overburden/soil piles	DS	m3	0.95	3.80		High cost: push up to 300 m
Excavate Rock; Low Spec's and QA/QC							
	drill/blast/load/short haul	RB1	m3	11.40	17.05		Low:quarry operations for bulk fill
	drill/blast/load/long haul	RB2	m3	12.05	17.80		
	RB1 + spread and compact	RB3	m3	12.05	17.80		
	RB2 + spread and compact	RB4	m3	12.50	30.75		
	Specified activity	RBS	m3	0.00	0		
Excavate Rock; High Spec's and QA/QC							
	drill/blast/load/short haul	RC1	m3	12.05	17.80		(e.g. ditch/spillway excavation)
	drill/blast/load/long haul	RC2	m3	12.70	18.40		Low:foundation excavation;High:spillway excavation
	RC1 + spread and compact	RC3	m3	12.70	18.40		e.g. cover construction
	RC2 + spread and compact	RC4	m3	13.50	19.20		e.g. cover construction
	Specified activity	RCS	m3	0.00	0.00	175.00	Specified-drift excavation
Excavate Rip Rap							
	drill/blast/load/short haul/place	RR1	m3	13.50	17.75		High: quarry & place rip rap in channel
	drill/blast/load/long haul/place	RR2	m3	14.20	20.65		
	source is waste dump/short haul	RR3	m3	7.00	0.00		cost includes sorting
	source is waste dump/long haul	RR4	m3	7.60	0.00		
	Specified activity	RRS	m3	0.00	0		
Excavate Soil; Low Spec's and QA/QC							
	clear & grub	SBC	m2	3.40	5.00		
	excavate/load/short haul	SB1	m3	4.30	5.90		
	excavate/load/long haul	SB2	m3	4.60	7.30		
	SB1 + spread and compact	SB3	m3	5.10	8.90		Low: non-engineered; High:engineered
	SB2 + spread and compact	SB4	m3	5.50	11.00		Low: non-engineered; High:engineered
	Specified activity	SBS	m3	3.20	6.30		Low: rehandle waste rock dump by dozing; High:rehandle waste rock by hauling
	Tailings	SBT	m3	1.35	3.70	15.50	High:contour surface - wet or frozen; Specified:haul/place wet infill
Excavate Soil, High Spec's and QA/QC							
	excavate/load/short haul	SC1	m3	6.80	9.30		
	excavate/load/long haul	SC2	m3	7.10	11.75		
	SC1 + spread and compact	SC3	m3	8.90	14.20		Low: non-engineered; High:engineered
	SC2 + spread and compact	SC4	m3	9.30	23.20		Low: non-engineered; High:engineered (e.g. complex covers, low volume dam construction)
	Specified activity	SCS	m3	0.00	0.00	18.80	Backfill adit with waste rock
Fence							
		FNC	m	13.55	203.00		
Fuel and Electricity							
	Fuel cost - gas	FCG	litre	1.05	1.40		
	Fuel cost - diesel	FCD	litre	0.99	1.39		
	Fuel mobilization	FCM	litre	0.22	0.42		High: winter road usage
	Electricity	FCE	kW-h	0.17	0.19	0.49	Low and High:Yellowknife; Specified:diesel generator

Escalated Unit Cost Table (for refining unit costs see "Estimator" worksheet)**Geo-Synthetics**

geotextile	GST	m2	3.44	0.00	Supply and install
geogrid	GSG	m2	5.75		
liner, HDPE	GSHDPE	m2	7.95		Supply and install; large quantity
liner, ES3	GSES3	m2	20.20		FOB Yellowknife
geosynthetic installation	GSI	m2	3.16	14.00	Low:geotextile; High:ES3 or HDPE
bentonite soil ammendment	GSBA	tonne	308.30	348.50	FOB Edmonton, add shipping & mixing

Grouting (m3 of rock grouted)

grout	m3	236.55	286.75	High: cement, FOB Yellowknife
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Laboratory Chemicals

Remove from site	LCR	pallet	1966.36	2606.83
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Labour & Equipment Rates

Site manager	sman	\$/hr	125.00	152.00	
Supervisor	super	\$/hr	52.00	91.84	
Registered engineer	eng	\$/hr	95.00	220.00	
Environmental coordinator	envco	\$/hr	74.16	130.00	
Environmental technologist	envtech	\$/hr	36.00	0.00	
Electrician	elec	\$/hr	74.00	95.00	
Journeyman - various	journey	\$/hr	44.00	71.79	
Labour - skilled	lab-s	\$/hr	41.00	49.60	120.00 Specified - Skilled Manufacturer Mechanic
Labour - unskilled	lab-us	\$/hr	31.00	43.98	
Equipment operator	oper	\$/hr	41.00	65.00	
Heavy duty mechanic	mech	\$/hr	49.00	72.85	
Water treatment plant operator	oper-wt	\$/hr	41.00	59.86	
Security / first aid	safety	\$/hr	36.00	66.97	
Administrative staff	admin	\$/hr	38.00	57.89	
			0	0	
Equipment rates include operator and fuel			0	0	
Loader - 4 cu.yd (3.06m3)	load-s	\$/hr	175.00	0.00	
Loader - 7 cu.yd (5.35m3)	load-l	\$/hr	315.00	0.00	
Excavator - 26.76-30.84 tonnes	exc-s	\$/hr	190.00	0.00	
Excavator - 68.95+tonnes	exc-l	\$/hr	420.00	0.00	
Grader	grad	\$/hr	190.00	0.00	
Dump truck off hwy 30-50 tonnes	truck-s	\$/hr	225.00	0.00	
Dump truck off hwy 55-75 tonnes	truck-l	\$/hr	300.00	0.00	
dozer, small	dozers	\$/hr	205.00	260.00	
dozer, large	dozerl	\$/hr	490.00	565.00	
smooth drum compactor	comp	\$/hr	155.00	0.00	
scooptram, 6 yd3 bucket	scoop	\$/hr	170.00	0.00	
flat bed truck with hiab	hiab	\$/hr	155.00	0.00	
fuel truck	ftruck	\$/hr	150.00	0.00	
water truck	wtruck	\$/hr	58.00	150.00	

Mobilize Heavy Equipment

Road access	MHER	kmtonne	3.40	10.25	
Air access	MHEA	kmtonne	12.00	0	cargo rate>500lb

Mobilize Camp

Road access	MCR	each	50000.00	0	refurbish existing camp
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Mobilize Workers

flight	MW	each	4500.00	9100.00	Low:e.g. 8 passenger; High: Dash 7
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Oil Removal

oil removal	OR	litre	0.43	1.20	Low:waste oil heater; High: ship offsite
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PCB Removal

Remove from site	PCBR	litre	40.20	46.90	Low: shipping, handling & disposal from Yellowknife
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Pipes, small (<6in dia.)

remove/dispose on site	PSR	m	1.00	24.00	Low: remove/dispose on site; High: remove/re-use
supply	PSS	m	6.10	11.10	Low:supply; High:supply and ship
install	PSI	m	25.00	0.00	

Pipes, large (>6in dia.)

remove/dispose on site	PLR	m	22.00	72.00	Low: remove/dispose on site; High: remove/re-use
supply	PLS	m	129.00	143.00	Low:supply; High:supply and ship
install	PLI	m	50.00	0.00	

Power Lines

remove/dispose on site	POWR	m	25.50	0.00	
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Process Chemicals

Remove from site	PCR	kg	0.45	2.50	Low: shipping, handling & disposal from Yellowknife
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Pumps

Pump capital cost	PC	each	195000.00	0.00	
Pump shipping	PS	each	2500.00	0.00	
Pump operating cost	POC	m3	0.12	0.00	pump operating costs should be calculated based on pump capacity, fuel costs, etc.
Pump maintenance	PM	allow	25000.00	0.00	

Escalated Unit Cost Table (for refining unit costs see "Estimator" worksheet)

Pump sand BackFill					
	PBF	m3	85.00	300.00	
Scarify - road/mine site			0	0	
	SCFY	ha	4300	6030	2150
Shaft, Raise & Portal Closures					
Shaft & Raises	SR	m2	645.00	2132.00	
Portals	POR	m3	18.80	250.00	1200.00
Low:pre-cast concrete slabs, little site prep. Area=shaft+>1m all around					
Signs			0.00	0.00	
Signs	S	each	12.36	37.08	
Low:unit cost code SCS;High:excavate & backfill collapsed portal;Spec: installed pressure plug					
Site Inspection Report			0.00	0.00	
	RPT	each	10000.00	20000.00	
SpillWay - Clear			0.00	0.00	
	SW	each	3000.00	7000.00	
Survey/Instrumentation			0	0	
	SI	each	1800.00	3600.00	
2 person crew					
Treatment Plant - Construct					
Small (< 1000 m3/d)	TPS	lump sum	9000000	15000000	
Large (> 1000 m3/d)	TPL	lump sum	15000000	46000000	
Constructed Wetland	CWTS	ha	200000	300000	
Treatment Plant - Operate			0	0	
	TPO	m3	0.35	2.00	
Treatment Chemicals					
ferric sulphate	ferric	kg	1.19		
ferrous sulphate	ferrous	kg	1.32		
lime	lime	kg	0.56	0.00	
hydrogen peroxide, 35%	hperox	kg	1.50		
Sodium Metabisulfate	Nametab	kg	1.18		
Caustic soda, 50%	caustic	kg	0.74		
Sulfuric acid, 93%	sulfuric	kg	0.31		
flocculant	flocc	kg	6.00		
copper sulphate	copper	kg			
shipping	shipping	kg	0.20		
Vegetation					
Hydroseed, Flat	VHF	ha	4000.00	0.00	
Hydroseed, Sloped	VHS	ha	4500.00	0.00	
Veg. blanket/erosion mat	VB	ha	13000.00	0.00	
Tree planting	VT	ha	2600.00	6000.00	
Wetland species	VW	ha	0.00	0.00	47.72
Specified= /m3, Wetland Growth Media Substrate mixed and installed (sand, biochar and fertilizer, woodchips)					
Visual Site Inspection			0.00	0.00	
Visual site inspection	VI	each	3955.18	7977.79	11000.00
Water Sampling/Analysis/Reporting					
	WS	each	7000.00	10000.00	
Winter Road			0.00	0.00	
Construction	WRC	km	2000.00	11500.00	
Usage	WRU	kmtonne	0.29	0	