



## **Appendix L Detailed Life of Mine Cost Estimate**

**COTE GOLD PROJECT CLOSURE COST ESTIMATE**  
**CLOSURE ELEMENTS DETAILED COST ESTIMATE**

EM,S CCode	ITEM AND DESCRIPTION	QUANTITY	UNIT	UNIT COST	DIRECT/SC MH			Progressive Rehabilitation Post-Closure Pit Filling	LABOR	SUB-CONT.	TOTAL	Contingency Evaluation		TOTAL Including Continge
					UNIT	TOTAL	\$/MH					%	Dollars	
1000	<b>Mine and Related Facilities Closure</b>													
1100	<b>Ore Stockpiles and Mine Rock Areas</b>													
	<b>Decommission Sediment Basins</b>													
S	Remove, Regrade and Vegetate Sediment Basins No Longer Required (7 Each at 25,000 sm Average)	175,000	m2	\$3.78	0.0116	1,416			\$661,850	\$661,850	15	\$99,278	\$761,128	
	<b>Mine Rock Area (Total Plan Area = 280 HA, Flat Areas = 180 HA at 25% Use 450000 m2)</b>													
S	Regrade (Total 180 Ha Non-Slope Areas - Provide Grading for 60% (50% of 110 +25% of 70))	725,000	m2	\$1.47	0.0075	2,175			\$1,064,209	\$1,064,209	15	\$159,631	\$1,223,841	
S	Haul and Place 200 mm Vegetative Cover (25% Over All Flat Areas)	450,000	m2	\$4.63	0.0081	1,462			\$2,082,713	\$2,082,713	10	\$208,271	\$2,290,985	
S	Slope Drains - Cut and Fill for Side Slope/Bench Drains	42,700	lm	\$16.30	0.1200	2,050			\$696,010	\$696,010	10	\$69,601	\$765,611	
S	Slope Drains - Provide Erosion Control as Needed	34,400	m2	\$22.08	0.0769	1,058			\$759,639	\$759,639	15	\$113,946	\$873,585	
	<b>Onsite Demolition Landfill for Disposal of 40,000 Cubic Meters of Debris</b>													
S	Excavate and Stockpile Material for Final Grading and Cover	30,000	m3	\$2.00	0.0075	225			\$60,000	\$60,000	15	\$9,000	\$69,000	
S	Place and Compact Debris in Landfill	18,432	m3	\$5.55	0.0200	369			\$102,296	\$102,296	15	\$15,344	\$117,641	
S	Place 0.15 Meters of Cover Soil	7,500	m3	\$3.00	0.0100	75			\$22,500	\$22,500	15	\$3,375	\$25,875	
	<b>Ore Stockpile Areas</b>													
S	Regrade Area (40% Before Mine Year 17)	700,000	m2	\$1.47	0.0075	3,150			\$1,027,513	\$1,027,513	15	\$154,127	\$1,181,639	
S	Place Growth Medium (0.2 m depth) Provide for 50% of area	350,000	m2	\$4.63	0.0081	1,705			\$1,619,888	\$1,619,888	10	\$161,989	\$1,781,877	
S	Reconstruct Natural Channel (650 m x 50 m)	163,000	m3	\$3.26	0.0240	2,347			\$531,380	\$531,380	15	\$79,707	\$611,087	
	<b>Overburden Stockpile Area</b>													
S	Regrade Area	401,000	sm	\$1.47	0.0075	902			\$588,618	\$588,618	15	\$88,293	\$676,911	
S	Place Growth Medium (0.2 m depth) Provide for 50% of area	200,500	sm	\$4.63	0.0081	488			\$927,964	\$927,964	10	\$92,796	\$1,020,761	
	<b>Subtotal Ore Stockpiles and Mine Rock Areas</b>					17,422				\$10,144,581	12%	\$1,255,358	\$11,399,939	
												\$2,965		
1200	<b>Open Pit Mine Filling</b>											\$2,639		
	Costs Specific to the Pit Filling are Not Anticipated											\$327		
1300	<b>Open Pit Mine Equipment</b>													
	Decommission and Prepare for Transport and Load all Mining Equipment													
	<b>It is assumed that all major mine equipment is included in a Capital Lease and as such will need to be returned to the Lessor. Equipment will be prepared for transport, loaded and transported to Toronto. Support and other minor equipment are prepared for transport and loaded with net transport costs equal to scrap value.</b>													
S	Decommission, Prepare for Transport and Load Equipment	296	loads	\$2,005.58	17.00	4,026			\$593,637	\$593,637	15	\$89,046	\$682,683	
S	Transport Equipment to Toronto	5,920	tonne	\$150.00		OffSite			\$887,980	\$887,980	15	\$133,197	\$1,021,178	
	Major Equipment List (Return Leased Equipment to Lessor Only)			Unit Cost	Weight Kg	\$/Kg	Total Weight	Total Value						
S	Crawler-Mounted, Rotary Tri-Cone, 311 mm Dia - 4 ea	4		\$2,000,000.00	50000.00	\$40.00	200,000	\$8,000,000						
S	Diesel, 22-cu-m Front Shovel - 3 ea	3		\$7,032,000.00	361000.00	\$19.48	1,083,000	\$21,096,000						
S	Diesel 20-cu-m Wheel Loader - 1 ea	1		\$4,633,000.00	178000.00	\$26.03	178,000	\$4,633,000						
S	220-t class Haul Truck - 24 ea	24		\$4,082,000.00	161000.00	\$25.35	3,864,000	\$97,968,000						
S	Crawler-Mounted, Rotary Tri-Cone, 115mm Dia - 1 ea	1		\$580,000.00	26000.00	\$22.31	26,000	\$580,000						
S	D375A-class Track Dozer - 5 ea	5		\$1,100,000.00	57000.00	\$19.30	285,000	\$5,500,000						
S	WD600-class Rubber Tire Dozer - 2 ea	2		\$999,900.00	46000.00	\$21.74	92,000	\$1,999,800						
S	GD825-class Grader - 4 ea	4		\$765,000.00	26000.00	\$29.42	104,000	\$3,060,000						
S	140 t-class Water Truck - 1 ea	1		\$773,000.00	40000.00	\$19.33	40,000	\$773,000						
S	Other Miscellaneous Support Equipment	15	%	\$1,436,098.00	47869.93	\$30.00	47,870	\$21,541,470						
							5,919,870	\$165,151,270						
	<b>Subtotal Open Pit Mine Equipment</b>					4,026				\$1,481,618		\$222,243	\$1,703,860	
1400	<b>Open Pit Mine Infrastructure</b>													
S	Boulder Fence (2,300 10-ton and 2,300 5-ton Boulders (Load, Haul and Place Boulders ) Mine Year 8 - 40%, Year 13 - 30%, Year 17 - 30%)	39,100	tonnes	\$3.35	0.0063				\$131,173	\$131,173	20	\$26,235	\$157,408	
S	Closure Stability Assessment	1	Lot	\$50,000.00		Office			\$50,000	\$50,000	20	\$10,000	\$60,000	
S	Allowance for Pit Rim Erosion Protection and Revegetation	5,000	lm	\$20.00	0.1500	750			\$100,000	\$100,000	20	\$20,000	\$120,000	
S	Allowance for Littoral Zone Enhancements (near the end of pit filling - fish habitat improvements)	90,000	m2	\$3.00	0.0200				\$270,000	\$270,000	20	\$54,000	\$324,000	
	Emulsion Plant													
S	Demolition and Disposal in MRA Landfill	2	days	\$33,263.50	150.0000	300			\$66,527	\$66,527	15	\$9,979	\$76,506	



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EM,S CCode	ITEM AND DESCRIPTION	QUANTITY	UNIT	UNIT COST	DIRECT/SC MH			Progressive Rehabilitation None	LABOR	SUB-CONT.	TOTAL	Contingency Evaluation		TOTAL Including Continge
					UNIT	TOTAL	\$/MH					%	Dollars	
S	Allowance to Remove Communications Equipment/Repeaters etc.	1	lot	\$50,000.00	312.50	313				\$50,000	\$50,000	20	\$10,000	\$60,000
	<b>Subtotal On-Site Communications</b>					313				\$50,000	\$50,000		\$10,000	\$60,000
2700	<b>On-Site Power Supply and Distribution</b>													
S	Remove and Dispose of Onsite Overhead Power Distribution	16,000	lm	\$11.00	0.0773	124		90%		\$176,000	\$176,001	20	\$35,200	\$211,201
S	Remove and Dispose of Onsite Underground Power Distribution (Allowance for UG Duct Banks in Plant Area)	2,000	lm	\$40.00	0.2500	500		None		\$80,000	\$80,000	20	\$16,000	\$96,000
	<b>Subtotal On-Site Power Supply and Distribution</b>					624				\$256,001	\$256,001		\$51,200	\$307,201
2800	<b>Offices and Personnel Buildings</b>													
S	Security Gatehouse and Control	210	cm	\$16.63	0.0750	16		None		\$3,491	\$3,491	15	\$524	\$4,015
S	Mine Dry Building	3,733	cm	\$16.63	0.0750	280		None		\$62,084	\$62,084	15	\$9,313	\$71,396
S	Administration Office Building	5,358	cm	\$16.63	0.0750	402		None		\$89,117	\$89,117	15	\$13,368	\$102,484
S	Emergency Vehicles Storage and First Aid Facility	2,229	cm	\$16.63	0.0750	167		None		\$37,071	\$37,071	15	\$5,561	\$42,632
	<b>Subtotal Offices and Personnel Buildings</b>					865				\$191,762	\$191,762		\$28,764	\$220,527
2900	<b>Laboratories, Shops and Warehousing</b>													
S	Truck Shop Building	58,384	cm	\$16.63	0.0750	4,379		None		\$971,028	\$971,028	15	\$145,654	\$1,116,682
S	Warehouse Facility	15,250	cm	\$16.63	0.0750	1,144		None		\$253,634	\$253,634	15	\$38,045	\$291,679
S	Truck Wash Facility	4,099	cm	\$16.63	0.0750	307		None		\$68,177	\$68,177	15	\$10,227	\$78,403
S	Assay Laboratory Building	1,905	cm	\$16.63	0.0750	143		None		\$31,682	\$31,682	15	\$4,752	\$36,434
S	Metallurgical Laboratory	320	cm	\$16.63	0.0750	24		None		\$5,322	\$5,322	15	\$798	\$6,120
	<b>Subtotal Laboratories, Shops and Warehousing</b>					5,997				\$1,329,843	\$1,329,843		\$199,476	\$1,529,320
	<b>Total Code 2000 - Mine Site Infrastructure, Buildings and Facilities Demolition and Closure</b>					38,818				\$10,382,941	\$10,382,941		\$1,549,521	\$11,932,461
3000	<b>Processing Plant</b>													
3100	<b>Ore Handling Facilities</b>													
S	Primary and Secondary Crushing	17,178	cm	\$22.18	0.10	1,718		None		\$380,934	\$380,934	15	\$57,140	\$438,074
S	Conveyors	11,125	cm	\$22.18	0.10	1,113		None		\$246,704	\$246,704	15	\$37,006	\$283,710
S	Coarse Ore Stockpile Enclosure	204,000	cm	\$2.22	0.01	2,040		None		\$452,384	\$452,384	15	\$67,858	\$520,241
	<b>Subtotal Ore Handling Facilities</b>					4,870				\$1,080,021	\$1,080,021		\$162,003	\$1,242,025
3200	<b>Process Plant</b>													
S	Process Building/CIP/Electrowinning and Refining	250,791	cm	\$22.18	0.10	25,079		None		\$5,561,458	\$5,561,458	10	\$556,146	\$6,117,603
S	Concrete Demolition (Above Grade Only - Cover all concrete with minimum 0.6 meter fill as part of regrading.	3,571	cm	\$310.00	1.6953	6,054		None		\$1,107,008	\$1,107,008	15	\$166,051	\$1,273,060
	<b>Subtotal Process Plant</b>					31,133				\$6,668,466	\$6,668,466		\$722,197	\$7,390,663
	<b>Total Code 3000 - Processing Plant</b>					36,003				\$7,748,487	\$7,748,487		\$884,200	\$8,632,688
4000	<b>Tailings and Water Management</b>													
4100	<b>Runoff, Erosion and Sediment Control</b>													
S	Construct Controls in the TMF Area	12	days	\$17,700.00	100.00	1,200		None		\$212,400	\$212,400	20	\$42,480	\$254,880
	<b>Subtotal Runoff, Erosion and Sediment Control</b>					1,200				\$212,400	\$212,400		\$42,480	\$254,880
4200	<b>Tailings Management Facility</b>													
S	Outflow Channel to Bagsvard Lake (700 meters, nominal 30 meter wide by 3 meter deep )	63,000	m3	\$8.42	0.04	2,221		None		\$530,316	\$530,316	15	\$79,547	\$609,863
S	Upgrade the Spillway to 220 meters wide	20,000	m3	\$10.94	0.05	917		None		\$218,860	\$218,860	15	\$32,829	\$251,689
S	Select and Stockpile Riprap	502,000	m3	\$8.65	0.03	17,431				\$4,342,300	\$4,342,300	15	\$651,345	\$4,993,645
S	Excavate Drainage Network for TMF Surface	902,000	m3	\$3.15	0.01	12,069				\$2,841,300	\$2,841,300	15	\$426,195	\$3,267,495
S	Load, Haul and Place Riprap for TMF Top Deck Drainage	502,000	m3	\$9.32	0.03	15,561				\$4,678,640	\$4,678,640	15	\$701,796	\$5,380,436
S	Grade TMF Surface for Placement of Growth Medium	2,048,300	m2	\$1.47	0.01	15,362				\$3,006,648	\$3,006,648	15	\$450,997	\$3,457,646
S	Place Growth Medium (0.2 m depth) Provide for 50% of slope and 90% of Flat (slope 700,000 sm, Flat 1,887,000 sm)	2,048,300	m2	\$2.73	0.0081	16,634				\$5,586,273	\$5,586,273	10	\$558,627	\$6,144,900

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EM,S CCode	ITEM AND DESCRIPTION	QUANTITY	UNIT	UNIT COST	DIRECT/SC MH		Progressive Rehabilitation	LABOR	SUB-CONT.	TOTAL	Contingency Evaluation		TOTAL Including Continge
					UNIT	TOTAL					%	Dollars	
	<b>Subtotal Tailings Management Facility</b>					80,195				\$21,204,337		\$2,901,337	\$24,105,674
4300	<b>Storm Water/Mine Water Pond</b>												
S	Pump Mine Water Pond to Pit (Allowance)	1	lot	\$50,000.00	195.31	195	None		\$50,000	\$50,000	20	\$10,000	\$60,000
S	Fill Pond	65,000	m3	\$10.50	0.04	2,708	None		\$682,669	\$682,669	15	\$102,400	\$785,070
S	Place Growth Medium (Included with Plant Area Code 2100 Above)												
	<b>Subtotal Storm Water/Mine Water Pond</b>					2,904				\$732,669		\$112,400	\$845,070
4400	<b>Seepage Ponds and Restoration of Natural Drainage</b>												
S	Remove, Regrade and Vegetate Sediment Basins No Longer Required (8 Each at 25,000 sm Average)	200,000	m2	\$3.78	0.01		100%		\$756,400	\$756,401	15	\$113,460	\$869,861
S	Breach Watercourse Dams to Restore Natural Flow (Total of 9 Dams at 1/2 day per Dam)	5	days	\$14,678.75	75.00		100%		\$73,394	\$73,395	15	\$11,009	\$84,404
S	Grade Channel from New Lake to Three Duck Lake (Nominal 1500 Meters x 10 Meters x 3 Meters)	45,000	cm	\$8.42	0.04		100%		\$378,797	\$378,798	15		\$378,798
	<b>Subtotal Seepage Ponds and Restoration of Natural Drainage</b>									\$1,208,594		\$124,469	\$1,333,063
4500	<b>Polishing Pond and Water Reclaim Pond and Watercourses</b>												
S	Breach and Grade Out Dams	5	days	\$14,678.75	75.00		100%		\$73,394	\$73,395	15	\$11,009	\$84,404
S	Load, Haul and Place Mine Rock from the MRA (226,000 sm at 0.5 Meters Average)	113,000	cm	\$10.50	0.04		100%		\$1,186,794	\$1,186,795	15	\$178,019	\$1,364,815
S	Place Growth Medium (0.2 m depth) Provide for 50% of area	226,000	sm	\$4.63	0.01		100%		\$1,045,985	\$1,045,986	15	\$156,898	\$1,202,884
	<b>Subtotal Polishing Pond and Water Reclaim Pond</b>									\$2,306,176		\$345,926	\$2,652,102
4600	<b>TMF Roads (All Roads are Included in WBS 2200)</b>												
	<b>Total Code 4000 - Tailings and Water Management</b>					84,298				\$25,664,176		\$3,526,613	\$29,190,789
6000	<b>Off-Site Facilities</b>												
6100	<b>Main Power Line</b>												
S	Remove Conductors (Recycle), Hardware and Structures and Haul Debris to On-Site Landfill	44,000	m	\$11.50	0.08		100%		\$506,000	\$506,001	10	\$50,600	\$556,601
S	(Assume Structures 200 meters C-C average) Crew and Equipment 8 men x \$80 plus 6 Equip at \$400 per hour - Total \$8,800 per day)	220	ea	\$2,300.00									
	<b>Subtotal Main Power Line</b>									\$506,001		\$50,600	\$556,601
6200	<b>Water Supply</b>												
S	Remove Pumps, Intake structure and Pumphouse (Allowance)	1	lot	\$50,000.00		313	None		\$50,000	\$50,000	20	\$10,000	\$60,000
S	Remove Fresh Water Pipeline to Camp	6,600	m	\$15.00	0.10	671	None		\$99,000	\$99,000	15	\$14,850	\$113,850
S	Remove Fresh Water Pipeline to Plant	2,000	m	\$15.00	0.10	207	None		\$30,000	\$30,000	15	\$4,500	\$34,500
	<b>Subtotal Water Supply</b>					1,191				\$179,000		\$29,350	\$208,350
	<b>Total Code 6000 - Off-Site Facilities</b>					1,191				\$685,001		\$79,950	\$764,951
	<b>TOTAL DIRECT COTE MINE CLOSURE COSTS</b>					183,759				\$6,934,883		\$7,666,694	\$14,601,577
7000	<b>Site Services and Project Indirects Related to Mine Closure Construction</b>												
	<b>Expense For Each Construction Season</b>												
	<b>Contractors Mobilization, Demobilization and Final Cleanup</b>												
S	Mobilization of Equipment (2 special, 12 from Toronto, 24 from Timmins/Sudbury and 18 Trailer/Container)	1	lot	\$122,600.00					\$122,600	\$122,600	10	\$12,260	\$134,860
S	Mobilization of Manpower (Peak +20%)	84	Men	\$480.00					\$40,320	\$40,320	10	\$4,032	\$44,352
S	Site Cleanup	6	days	\$16,077.50	140.00	840			\$96,465	\$96,465	10	\$9,647	\$106,112
S	Demobilization of 50% of Equipment and 100% of Manpower	1	lot	\$122,600.00					\$122,600	\$122,600	10	\$12,260	\$134,860
	<b>Construction Management</b>												
	Field Staff of 11 Persons Planned for Each of 2 Construction Seasons												
	Month 1 of Construction Season at 50% and Month 8 at 50% (Total Use 35 weeks at 60 x 11 =23100 Hours)												
S	Month 1 of Each Construction Season	1,313			1.00	1,313	\$83.55		\$109,656	\$109,656	10	\$10,966	\$120,622
S	Month 2 through 7 of Each Construction Season	15,750			1.00	15,750	\$83.55		\$1,315,875	\$1,315,875	10	\$131,588	\$1,447,463
S	Month 8 of Each Construction Season	1,313			1.00	1,313	\$83.55		\$109,656	\$109,656	10	\$10,966	\$120,622
S	Provide for Survey Crew (Month 1 Two Weeks, Month 2 -7 Four Days per Month and Two weeks Month 8)	480			1.00	480	\$210.00		\$100,800	\$100,800	10	\$10,080	\$110,880

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					UNIT	TOTAL	\$/MH					%	Dollars	
	<b>Temporary Facilities (Assume Rental/Lease) (Assume 50% of first Year Use Existing)</b>													
S	Office Trailer(s) 4 units	16	mo	\$2,400.00					\$38,400	\$38,400	10	\$3,840	\$42,240	
S	Tool Trailers (6)	16	mo	\$1,800.00					\$28,800	\$28,800	10	\$2,880	\$31,680	
S	Storage Containers ( Materials/Supplies/Consumables) (8)	16	mo	\$1,600.00					\$25,600	\$25,600	10	\$2,560	\$28,160	
	<b>Field Expenses (Assume 50% for first Year - Use Existing)</b>													
S	Office Equipment	12	mo	\$1,000.00					\$12,000	\$12,000	10	\$1,200	\$13,200	
S	Office and Safety Supplies (Field Staff)	12	mo	\$500.00					\$6,000	\$6,000	10	\$600	\$6,600	
S	Communications, Radios, Telephones, Internet	12	mo	\$2,000.00					\$24,000	\$24,000	10	\$2,400	\$26,400	
S	Vehicles (Provide 5 Vehicles for Onsite Use)	5,250	VehHr	\$15.00					\$78,750	\$78,750			\$78,750	
	<b>Utilities (Camp Utilities are covered in Cost Per Camp Man Day)</b>													
	Power (Allocated to Pumping) Included under OM&M Below			\$0.08										
S	Power (Allocated to Construction) 150 Kw at 80% on Average	705,600	Kwh/Year	\$0.08					\$52,920	\$52,920	15	\$7,938	\$60,858	
S	Power for Camp Operation - Included with Camp Cost.		Kwh/Year	\$0.08										
S	Propane (Generally Included with Camp Cost) Allow for Heaters in Offices/Tool Trailers/Storage as Needed	1	year	\$20,000.00					\$20,000	\$20,000	20	\$4,000	\$24,000	
	<b>Maintenance During Closure Construction and Care and Maintenance (see below)</b>													
S	<b>Camp Operation and Maintenance ((Total Hours/10/6*7)Plus 15% for visitors)</b>	14,970	1 Year	\$80.00		223,149	2 Years		\$1,197,568	\$1,197,568	15	\$179,635	\$1,377,203	
	<b>Other Indirect Costs</b>													
S	Performance Bond Applicable to Work Performed as Part of the Final Remediation Plan (Use \$12.00/\$1000)													
S	Provide Home Office Management of Overall Project During the Closure Construction Phase (6% of Direct Costs)	6	%											
	<b>Site Services and Project Indirects Related to Closure Construction</b>					19,695				\$3,502,010	11.6176%	\$406,850	\$3,908,860	
9000	<b>Site Operations, Maintenance and Monitoring</b>													
9100	<b>During Permitting, Engineering and Construction (Included in Capital Cost)</b>													
9200	<b>During Mine Operations (Included in Mine Operations Costs)</b>													
9300	<b>During Closure (2 Years)</b>													
	Provide OM&M During Active Closure (8 Months per Year) and Inspection/Maintenance (4 Months per Year)													
	Equipment Maintenance is Included With the Equipment Cost													
	Camp Maintenance is Included with the Cost per Camp Man Day													
	<b>Pumping Operations</b>													
	Operate and Maintain Pumps for 8 months per Year Plus 25% Use in Winter													
S	Power Cost for Operation and Normal Maintenance of Site Pumps	1,944,000	Kwh	\$0.08					\$145,800	\$145,800	20	\$29,160	\$174,960	
	Total Estimated Pumping is 42 cubic Meters per Minute - Assume High volume, low head pumps at total of 500 Horsepower													
S	Maintenance/Replacement Reserve for Pumps is included below													
S	Maintenance/Replacement Reserve for Emergency Generators is Included Below													
	<b>Conduct Site Operations - Annual Expense During Closure</b>													
	Labor (Two Crews of Two persons - 2 Weeks On and Two Off - Paid 10 Hours/Day													
	Site Supervisor (Mechanic)	2,450	MH		1.00	2,450	\$60.00		\$147,000	\$147,000	10	\$14,700	\$161,700	
	Operator	2,450	MH		1.00	2,450	\$58.00		\$142,100	\$142,100	10	\$14,210	\$156,310	
S	Provide Callout Crew from Timmins/Sudbury - 8 Days per Month (winter) +4 days per Month +\$200 per Day for Truck/Tools	64	Days	\$200.00	16.00	1,024	\$109.00		\$111,616	\$124,416	15	\$18,662	\$143,078	
S	Provide for Equipment Use at 25% of labor	25	%	\$2,891.00					\$72,275	\$72,275	15	\$10,841	\$83,116	
S	Provide Two Pickup Trucks for Onsite Use (\$15 per hour at 6 Hours Use Each)	2,940	hours	\$15.00					\$44,100	\$44,100	15	\$6,615	\$50,715	
S	Provision for Consumables and Materials (At 10% of Labor/Equipment)	10	%	\$5,298.91					\$52,989	\$52,989	15	\$7,948	\$60,937	
	<b>Conduct Required Monitoring and Reporting - Annual Expense Years 20 and 21</b>													
	Water Quality (Surface water and Groundwater)													
S	Labor and Equipment for Sampling (2 Persons, 4 Days per Event, Camp Accommodations, Vehicle and Tools at \$200 per day)	4	events	\$3,200.00	96.00	384	\$125.50		\$48,192	\$60,992	10	\$6,099	\$67,091	
S	Laboratory Analysis 80 Samples Surface Water and 80 Ground Water	160	Samples	\$150.00					\$24,000	\$24,000	10	\$2,400	\$26,400	
S	Reporting	4	ea	\$174.00	40.00	160	\$145.00		\$23,200	\$23,896	10	\$2,390	\$26,286	



**COTE GOLD PROJECT CLOSURE COST ESTIMATE**  
**CLOSURE ELEMENTS DETAILED COST ESTIMATE**

EM,S CCode	ITEM AND DESCRIPTION	QUANTITY	UNIT	UNIT COST	DIRECT/SC MH			Progressive Rehabilitation	LABOR	SUB-CONT.	TOTAL	Contingency Evaluation		TOTAL Including Continge
					UNIT	TOTAL	\$/MH					%	Dollars	
	<b>Pumping Operations (Completed)</b>													
	<b>Care and Maintenance Staff (No Permanent Staff)</b>													
S	Provide Callout Crew from Timmins/Sudbury - 18 days per Year for Site Inspection+\$200 per Day for Truck/Tools	18	days	\$300.00	12.00	216	\$125.50		\$27,108	\$5,400	\$32,508	20	\$6,502	\$39,010
S	Provide an Allowance to Repair Road/Drainage Facilities Damage Once every 10 years (Men/Equipment/Materials at \$200,000)	10	%	\$200,000.00						\$20,000	\$20,000	20	\$4,000	\$24,000
	<b>Conduct Required Monitoring and Reporting - Annual Expense Years 37 through 51</b>													
	Water Quality (Surface water and Groundwater)													
S	Labor and Equipment for Sampling (2 Persons, 4 Days per Event, 3 nights at \$300 per person)	1	event	\$2,600.00	96.00	96	\$125.50		\$12,048	\$2,600	\$14,648	15	\$2,197	\$16,845
S	Laboratory Analysis 10 Samples Surface Water and 20 Ground Water	30	Samples	\$150.00						\$4,500	\$4,500	15	\$675	\$5,175
S	Reporting	2	ea	\$87.00	40.00	80	\$145.00		\$11,600	\$174	\$11,774	15	\$1,766	\$13,540
S	Aquatic Effects Monitoring													
S	Labor and Equipment for Sampling	1	event	\$2,600.00	96.00	96	\$125.50		\$12,048	\$2,600	\$14,648	15	\$2,197	\$16,845
S	Laboratory Analysis	20	samples	\$300.00						\$6,000	\$6,000	15	\$900	\$6,900
S	Reporting	1	ea	\$174.00	48.00	48	\$145.00		\$6,960	\$174	\$7,134	15	\$1,070	\$8,204
S	Hydrology Monitoring													
S	Site Visit and Observations	1	ea	\$1,000.00	24.00	24	\$145.00		\$3,480	\$1,000	\$4,480	15	\$672	\$5,152
S	Reporting	1	ea	\$87.00	24.00	24	\$145.00		\$3,480	\$87	\$3,567	15	\$535	\$4,102
S	Geotechnical Monitoring and Dam Safety Inspection													
S	Site Visit and Observations	1	trip	\$1,000.00	24.00	24	\$200.00		\$4,800	\$1,000	\$5,800	15	\$870	\$6,670
S	Reporting	1	ea	\$160.00	32.00	32	\$200.00		\$6,400	\$160	\$6,560	15	\$984	\$7,544
S	Meteorological Station (Removed)													
S	Station Inspection	2	trip	\$400.00	24.00	48	\$125.50		\$6,024	\$800	\$6,824	10	\$682	\$7,506
S	Reporting	2	ea	\$174.00	24.00	48	\$145.00		\$6,960	\$348	\$7,308	10	\$731	\$8,039
S	<b>Provide Home Office Management and Coordination of OM&amp;M</b>	10	%	\$1,457.51						\$14,575	\$14,575	10	\$1,458	\$16,033
	<b>Total for Site OM&amp;M for Long Term Post Closure</b>								\$100,908	\$59,418	\$160,326	15.74%	25,239	\$185,565







Mine Construction		Mine Operations																		Mine Closure		Post-Closure Phase I - Pit Filling															Long Term Care and Maintenance (Indefinite Time Period)																							
2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080

2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038

With Camp	3,909	3,909
No Camp	17.44%	11.41%

618 63 593 618 2,542 640 4,649 5,267 47 5,267 341 14,517 22,181

506

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761

340

5,036

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557

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Mine Construction		Mine Operations																		Mine Closure		Post-Closure Phase I - Pit Filling																				Long Term Care and Maintenance (Indefinite Time Period)																																								
2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080																						
1	2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	1	2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62																						

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