

BACK RIVER RECLAMATION ESTIMATE

MALLEY WISHBONE

ACTIVITY/MATERIAL	UNITS	QUANTITY	UNIT COST	COST	
Exploration Activities					
Drill Hole locations					
Cement	30kg bags	0	\$8	\$0	
Other (helicopter support)	hours	0	\$2,000	\$0	
Personnel to flush casing and cement	days	0	\$300	\$0	
Subtotal Drill Locations				\$0	\$0
Trench					
Backfill trenches/recontour	days	0	\$400	\$-	
Subtotal Trenches				\$0	\$0
Building and Equipment					
DISPOSE EQUIPMENT					
Decontaminate and ship mobile/stationary equ	days	70	\$300	\$21,000	
Other (remove unused drilling steel/material)	days	35	\$300	\$10,500	
DECONTAMINATE BUILDINGS & TANKS	days	35	\$300	\$10,500	
REMOVE BUILDINGS					
Buildings	m2	1500	\$40	\$60,000	
Remove boneyard waste	m3			\$0	
RECLAIM ROADS & AIRSTRIP					
Scarify and install water breaks	km	14	\$4,500	\$63,000	
SPECIALIZED ITEMS					
helicopter support	hours	5	\$2,000	\$10,000	
Subtotal Buildings and Equipment				\$175,000	\$175,000

drill location reclamation would be part of on-going exploration costs; it is assumed that some reclamation may not occur each year.

assumes 7 people for 10 days; includes on-site work and cat-haul to Goose
assumes 7 people for 5 days; includes on-site work and cathaul to Goose
assumes 7 people for 5 days

\$40/m2 based on NWB "high" unit costs (\$30 to dissemble and \$10 to burn); personnel equivalent is 29 days for 7 people @\$300ea/day)
included in "dispose equipment-other"; progressive reclamation during exploration program will also include

NWB "high" unit costs; personnel equivalent is 2 days of 7 people @\$300 ea/day

Chemicals and Contaminated Soils

FUEL

WASTE OIL	diesel, av gas, propane	litre	1000	\$1	\$930	
Personnel	Oils/lubricants - ship off-site	litre	0	\$1	\$0	
	helicopter support	hours	2	\$2,000	\$4,000	
Subtotal Chemicals and Contaminated Soils					\$4,930	\$4,930

each year fuel on-site is sufficient to cover proposed annual program and every effort will be made to minimize the fuel needed for off-site shipment; based on NWB "high" unit costs shipping and handling remaining fuel off-site

Mobilization

MOBILIZE HEAVY EQUIPMENT FROM SITE TO REGIONAL CENTRE

	cat-haul to Goose	lump sum		\$100,000	
PERMITTING		lump sum		\$15,000	
Subtotal Mobilization				\$115,000	\$115,000

winter road construction (assume \$2K per km (from NWB) for 50 km to Goose)

Post Closure Monitoring and Maintenance

Monitoring during reclamation					
Environmental Monitoring	days	2	\$350	\$700	
Water sampling	each	12	\$400	\$4,800	
Reporting	days	1	\$325	\$325	
Other (transportation)	each	2	\$8,000	\$16,000	
Other (helicopter support)	hours	3	\$2,000	\$6,000	
Post Closure Inspections					
Annual Inspection	each	2	\$12,500	\$25,000	2 yr
Subtotal Post Closure Monitoring and Maintenance				\$52,825	\$52,825

Subtotal Capital Costs to Close \$347,755

PROJECT MANAGEMENT 3 % of subtotal \$10,433

ENGINEERING 3 % of subtotal \$10,433

CONTINGENCY 10 % of subtotal \$34,776

GRAND TOTAL - CAPITAL COSTS **\$403,396**

NOTES:

assumes camp is closed and reclaimed as part of progressive reclamation during exploration.
these activities are the base strategy for anticipated tasks in the event that exploration activities cease in a controlled scenario
that leaving the site will be "controlled" exit with more than one season available to complete
that all improvements and assets will be removed and site returned to pre-exploration conditions
every effort will be done to minimize time to complete
where available NWB unit costs posted on the webpage have been used
mobilization off site will principally via cat-haul to Goose
demobilization of drillrigs and drill equipment/supplies/material to be completed under contractual agreement
post closure monitoring and inspection will occur for 2 years post