## **APPENDIX B - ABANDONMENT & RECLAMATION COST ESTIMATE**

				UNIT			
Explora	ACTIVITY/MATERIAL tion Activities	UNITS	QUANTITY	COST	COST		
	••••••••						drill location reclamation would be part of on-goi exploration costs; it is assumed that some
Drill Hole	locations Cement	30kg bags	0	\$84	\$0		reclamation may not occur each year.
	Other (helicopter support) Personnel to flush casing and cement	hours	5 7	\$2,100 \$320	\$10,500 \$2,240		assumes 1 people @\$320/day for 7 days
	Subtotal Drill Locations	days	,	ψυΣυ	\$12,740	\$12,740	-
	Subtotal Drill Locations				\$12,740	\$12,740	
Trench	Backfill trenches/recontour	days	0	\$400			
	Subtotal Trenches				\$0	\$0	
Building EQUIPME	g and Equipment						
	Disassemble and packup for transport	days	84	\$320	\$26,880		assumes 7 people for 15 days; includes on-site work and cat-haul to Goose
	Other (unused drilling steel/material)	days	49	\$320	\$15,680		assumes 7 people for 7 days; includes on-site wand cathaul to Goose
BUILDING	SS						
	Buildings (based on end of 2012 season						assumes 7 people for 27days; equivalent to
	inventory) dissemble and pack for transport	days	189	\$320	\$60,480		1500m2 at \$40/m2 based on NWB "high" unit costs (\$30 to dissemble and \$10 to burn)
	pack boneyard waste	m3			\$0		included in "dispose equipment-other"; progressi reclamation during exploration program will also include
CDECIALI		1110			φο		THOUSE THE PROPERTY OF THE PRO
SPECIALI	ZED ITEMS helicopter support	hours	5	\$2,100	\$10,500		
	Subtotal Buildings and Equipment				\$113,540	\$113,540	•
Chemic	als and Contaminated Soils						
FUEL					-		and the state of t
							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;
WASTE C	prep for transport diesel, av gas, propane	litre	5000	\$1	\$4,650		equivalent is 24 (205L) drums
MASIL	Oils/lubricants - prep to transport off-site	litre	0	\$1	\$0		
Personnel  Mobiliza	helicopter support Subtotal Chemicals and Contaminated So		3	\$2,100	\$6,300 \$10,950	\$10,950	
Personnel  Mobiliza	helicopter support Subtotal Chemicals and Contaminated So	ils		\$2,100 \$320	\$6,300 \$10,950 \$20,160	\$10,950	assumes 3 round trips to Goose for 7 people; eatrip is 3 days including loading and unloading
Personnel  Mobiliza	helicopter support Subtotal Chemicals and Contaminated So ation and Camp Operation HEAVY EQUIPMENT FROM SITE TO REGIC cat-haul to Goose barge	ils			\$10,950	\$10,950	trip is 3 days including loading and unloading not applicable
Personnel  Mobiliza	helicopter support Subtotal Chemicals and Contaminated So ation and Camp Operation HEAVY EQUIPMENT FROM SITE TO REGIC cat-haul to Goose	ils			\$10,950	\$10,950	trip is 3 days including loading and unloading
Mobiliza MOBILIZE	helicopter support Subtotal Chemicals and Contaminated So ation and Camp Operation HEAVY EQUIPMENT FROM SITE TO REGIC cat-haul to Goose barge air support (helicopter) here flights HERATION	NAL CENTRE	63	\$320 \$29,100	\$10,950 \$20,160 \$58,200	\$10,950	trip is 3 days including loading and unloading not applicable not applicable
Mobiliza MOBILIZE	helicopter support Subtotal Chemicals and Contaminated So ation and Camp Operation HEAVY EQUIPMENT FROM SITE TO REGIC cat-haul to Goose barge air support (helicopter) herc flights	NAL CENTRE	63 2	\$320 \$29,100 \$298	\$20,160 \$58,200 \$89,400	\$10,950	trip is 3 days including loading and unloading not applicable not applicable and applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation
Mobiliza MOBILIZE	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  ERATION support personnel (cook, first aid, super)	NAL CENTRE	63	\$320 \$29,100	\$10,950 \$20,160 \$58,200	\$10,950	trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months
Mobiliza MOBILIZE	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  ERATION support personnel (cook, first aid, super)	onal Centre days days	63 2	\$320 \$29,100 \$298	\$10,950 \$20,160 \$58,200 \$89,400 \$141,848	\$10,950 \$314,608	trip is 3 days including loading and unloading not applicable not applicable and applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation
Mobiliza MOBILIZE CAMP OF PERMITT	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  ERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation	onal Centre days days	63 2	\$320 \$29,100 \$298	\$20,160 \$58,200 \$89,400 \$141,848 \$5,000		trip is 3 days including loading and unloading not applicable not applicable and applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation
Mobilize MOBILIZE CAMP OF	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  ERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation	onal Centre days days	63 2	\$320 \$29,100 \$298	\$20,160 \$58,200 \$89,400 \$141,848 \$5,000		trip is 3 days including loading and unloading not applicable not applicable and applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation
Mobiliza MOBILIZE CAMP OF PERMITT	helicopter support Subtotal Chemicals and Contaminated So ation and Camp Operation HEAVY EQUIPMENT FROM SITE TO REGIC cat-haul to Goose barge air support (helicopter) here flights ERATION support personnel (cook, first aid, super) ING Subtotal Mobilization p and Reclamation	ils  ONAL CENTRE  days  days  lump sum	63 2 300 476	\$320 \$29,100 \$298 \$298	\$20,160 \$58,200 \$89,400 \$141,848 \$5,000		trip is 3 days including loading and unloading not applicable not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months
MODILIZE MOBILIZE CAMP OF PERMITT Clean u	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) herc flights  LERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization p and Reclamation  P Decontaminate buildings and equipment	MAL CENTRE  days days lump sum	63 2 300 476	\$320 \$29,100 \$298 \$298	\$20,160 \$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608		trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5 days
MODILIZE MOBILIZE CAMP OF PERMITT Clean u	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FERATION support personnel (cook, first aid, super)  NG  Subtotal Mobilization  p and Reclamation  Decontaminate buildings and equipment Site clean up  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks	days days lump sum	63 2 300 476	\$320 \$29,100 \$298 \$298 \$320 \$320	\$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608		trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5 days
MODILIZE MOBILIZE CAMP OF PERMITT Clean u	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)	days days ump sum days days	63 2 300 476	\$320 \$29,100 \$298 \$298 \$320 \$320	\$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608	\$314,608	trip is 3 days including loading and unloading not applicable not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5 days personnel equivalent is 2 days of 7 people @\$3.
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) herc flights  ERATION  Support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation	days days lump sum	63 2 300 476	\$320 \$29,100 \$298 \$298 \$320 \$320	\$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608		trip is 3 days including loading and unloading not applicable not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5 days personnel equivalent is 2 days of 7 people @\$3.
Mobilizze  Mobilizze  CAMP OF  PERMITT  CLEAN U  RECLAIM	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FRATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  Decontaminate buildings and equipment Site clean up  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Subtotal Reclamation  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)	days days days days days days days	63 2 300 476 35 35 35	\$320 \$29,100 \$298 \$298 \$320 \$320 \$320	\$10,950 \$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608 \$11,200 \$4,480 \$12,000	\$314,608	trip is 3 days including loading and unloading not applicable not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5 days personnel equivalent is 2 days of 7 people @\$3.
Mobilizze  Mobilizze  CAMP OF  PERMITT  CLEAN U  RECLAIM	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  ERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Subtotal Reclamation	days days lump sum	63 2 300 476	\$320 \$29,100 \$298 \$298 \$320 \$320	\$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608	\$314,608	trip is 3 days including loading and unloading not applicable not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5 days personnel equivalent is 2 days of 7 people @\$3.
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  ERATION  Support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P Decontaminate buildings and equipment Site clean up  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Desure Monitoring and Maintenance Jouring reclamation  Desure Monitoring and Maintenance Jouring reclamation  Other (helicopter support)	days days days days days days days	63 2 300 476 35 35 35	\$320 \$29,100 \$298 \$298 \$320 \$320 12,000	\$10,950 \$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608 \$11,200 \$11,200 \$4,480 \$12,000 \$38,880	\$314,608	trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FRATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Desure Monitoring and Maintenance of during reclamation  Desure Monitoring and Maintenance of during reclamation  Water sampling Reporting	days days days days days days days days	63 2 300 476 35 35 35	\$320 \$29,100 \$298 \$298 \$320 \$320 \$320	\$10,950 \$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608 \$11,200 \$4,480 \$12,000 \$38,880	\$314,608	trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Support personnel (cook)  Guing reclamation  Support personnel (cook)  Subtotal Reclamation  Support personnel (cook)  Subtotal Reclamation  Support personnel (cook)  Subtotal Reclamation  Support personnel (cook)  Support personnel (cook)	days days lump sum  days days bulk  each days hours each	63 2 300 476 35 35 14 1	\$320 \$29,100 \$298 \$298 \$320 \$320 \$320 \$325 \$2,100	\$10,950 \$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608 \$11,200 \$4,480 \$12,000 \$38,880 \$6,000 \$325 \$6,300	\$314,608	trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Osure Monitoring and Maintenance jouring reclamation  Water sampling Reporting Other (helicopter support) ure Inspections Annual Inspection	days days lump sum  days days bulk  each days hours each	63 2 300 476 35 35 35 14 1	\$320 \$29,100 \$298 \$298 \$320 \$320 \$320 \$325 \$2,100 \$10,000	\$10,950 \$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$11,200 \$11,200 \$4,480 \$12,000 \$38,880 \$6,000 \$32,5 \$6,300 \$20,000	\$314,608 \$38,880 \$32,625	trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Osure Monitoring and Maintenance jouring reclamation  Water sampling Reporting Other (helicopter support) ure Inspections Annual Inspection	days days lump sum  days days days days houlk	63 2 300 476 35 35 35 14 1	\$320 \$29,100 \$298 \$298 \$320 \$320 \$320 \$325 \$2,100 \$10,000	\$10,950  \$20,160  \$58,200  \$89,400 \$141,848 \$5,000  \$314,608  \$11,200  \$4,480 \$12,000  \$38,880  \$6,000 \$325 \$6,300 \$20,000 \$32,625  Costs to Close	\$314,608 \$38,880	trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days not personnel equivalent is 2 days of 7 people @\$3 eaiday:NWB "high" unit costs
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Osure Monitoring and Maintenance jouring reclamation  Water sampling Reporting Other (helicopter support) ure Inspections Annual Inspection	days days lump sum  days days days days houlk	63 2 300 476 35 35 14 1 12 12 1 3 2 Subto	\$320 \$29,100 \$298 \$298 \$320 \$320 12,000 \$325 \$2,100 \$10,000	\$10,950 \$20,160 \$58,200 \$89,400 \$141,848 \$5,000 \$314,608 \$11,200 \$4,480 \$12,000 \$38,880 \$6,000 \$325 \$6,300 \$20,0000 \$32,625 Costs to Close % of subtotal	\$314,608 \$38,880 \$32,625	trip is 3 days including loading and unloading not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days not personnel equivalent is 2 days of 7 people @\$3: and any NWB "high" unit costs
Mobilization Mobil	helicopter support  Subtotal Chemicals and Contaminated So  ation and Camp Operation  HEAVY EQUIPMENT FROM SITE TO REGIC  cat-haul to Goose barge air support (helicopter) here flights  FERATION support personnel (cook, first aid, super)  ING  Subtotal Mobilization  p and Reclamation  P  CAMP, ROADS & AIRSTRIP  Scarify and install water breaks Revegetation (fertilizer & peat)  Subtotal Reclamation  Osure Monitoring and Maintenance jouring reclamation  Water sampling Reporting Other (helicopter support) ure Inspections Annual Inspection	days days lump sum  days days days days houlk  each days hours each  ntenance	63 2 300 476 35 35 35 14 1	\$320 \$29,100 \$298 \$298 \$320 \$320 \$320 \$325 \$2,100 \$10,000	\$10,950  \$20,160  \$58,200  \$89,400 \$141,848 \$5,000  \$314,608  \$11,200  \$4,480 \$12,000  \$38,880  \$6,000 \$325 \$6,300 \$20,000 \$32,625  Costs to Close	\$314,608 \$38,880 \$32,625	not applicable not applicable assumes 5 people for 2 months equivalent to 7 people doing George reclamation for approx 2 months assumes 7 people for 5 days assumes 7 people for 5 days personnel equivalent is 2 days of 7 people @\$3; ealday/NWB "high" unit costs

NOTES: 2012 assumptions

assumes George 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 unit cost sources are outlined in spreadsheet and where available 2011 site specific data is used mobilization of site will be principally via cal-haul to Goose demobilization of drillings and drill equipment/supplies/material to be completed under contractual agreement post closure monitoring and inspection will occur for 2 years post