

Resloped

Project Name:		Mount Polley Mine								
Reclamation Permit #:		M - 200								
Disturbance Category:		Dump Face Resloping								
Area to be reclaimed:		44.66								
Additional Notes:										
RECLAMATION PRESCRIPTION										
A.		Area (ha)	Dump Ht. (m)	Unit Cost \$/hr	hours/hectare hrs/ha	Unit Cost \$/ha	Item Subtotal \$	TOTAL \$		
Site Preparation Only										
Dump Face Resloping: Dump heights < 10 metres are called recontouring and are included on the Master Worksheets										
Komatsu D375 Dozer										
	Resloping from 37° to 26.5°	49.44		\$146	35.00	\$5,111	\$252,699			
						\$0	\$0			
						\$0	\$0			
						\$0	\$0			
						\$0	\$0			
						\$0	\$0			
						\$0	\$0			
						\$0	\$0			
						\$0	\$0			
								\$252,699		
Surfacing Material										
Haul (see Lump Sum)										
	Spread	54.48				\$684	\$37,277			
	Compact						\$0			
	Ripping	55.59				\$365	\$20,294			
							\$0			
							\$0			
								\$57,571		
B.		Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost* \$/ha	Item Subtotal \$	Subtotal \$	TOTAL \$	
Revegetation										
Aerial Broadcast - application										
	Seed			0		\$0	\$0			
	Fertilizer			0		\$0	\$0			
								\$0		
Tractor - application										
	Seed			0		\$0	\$0			
	Fertilizer			0		\$0	\$0			
								\$0		
<i>Hydroseed</i>										
Hydroseed - application										
	Seed			0		\$0	\$0			
	Fertilizer			0		\$0	\$0			
	Mulch			0		\$0	\$0			
	Tackifier			0		\$0	\$0			
								\$0		
				0		\$0	\$0			
				0		\$0	\$0			
								\$0		
				0		\$0	\$0			
				0		\$0	\$0			
								\$0		
				0		\$0	\$0			
				0		\$0	\$0			
								\$0		
				0		\$0	\$0			
				0		\$0	\$0			
								\$0		
				0		\$0	\$0			
				0		\$0	\$0			
								\$0		
								\$83,157		
C.		Years	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Subtotal \$ per year	Subtotal \$	TOTAL \$
Maintenance										
Aerial Broadcast - application										
	Seed						\$0	\$0		
	Fertilizer						\$0	\$0		
								\$0		
Tractor - application										
	Seed				0		\$0	\$0		
	Fertilizer				0		\$0	\$0		
								\$0		
<i>Hydroseed</i>										
Hydroseed - application										
	Seed				0		\$0	\$0		
	Fertilizer				0		\$0	\$0		
	Mulch				0		\$0	\$0		
	Tackifier				0		\$0	\$0		
								\$0		
					0		\$0	\$0		
					0		\$0	\$0		
								\$0		
					0		\$0	\$0		
					0		\$0	\$0		
								\$0		
Total Cost for Reclamation Prescriptions									\$0	\$393,427

Roads

Project Name: Mount Polley Mine
Reclamation Permit #: M - 200
Disturbance Category: Roads
Area to be reclaimed: 127.78
Additional Notes:

RECLAMATION PRESCRIPTIONS

A.	Area (ha)		Unit Cost \$/ha	Item Subtotal \$	TOTAL \$				
Site Preparation									
Recontouring (max. ht. of 10m)				\$0					
Surfacing Material									
Haul (see Lump Sum)									
Spread	64.921		\$684	\$44,422					
Compact				\$0					
Ripping	98.327		\$365	\$35,898					
				\$0					
				\$0					
				\$0					
				\$0					
				\$0					
				\$0					
				\$0					
				\$0	\$80,320				
B.									
Revegetation									
Aerial Broadcast - application	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Item Subtotal \$	Subtotal \$	TOTAL \$	
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
					\$0	\$0			
							\$0		
Tractor - application					\$0	\$0			
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
							\$0		
<i>Hydroseed</i>									
Hydroseed - application					\$0	\$0			
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
Mulch			0		\$0	\$0			
Tackifier			0		\$0	\$0			
			0		\$0	\$0			
			0		\$0	\$0			
			0		\$0	\$0			
							\$0		
<i>Woody species</i>	Area (ha)	Appl. Rate (stems/ha)	No. of Plants	Appl. Cost \$/stem	Unit Cost \$/ha	Item Subtotal \$			
Plant Installation	98.327	1700		\$0.88	\$1,496	\$147,098			
Seedlings			0		\$0	\$0			
Fertilizer tablets			0		\$0	\$0			
Plant protectors (installed)			0		\$0	\$0			
			0		\$0	\$0			
			0		\$0	\$0			
							\$147,098		
								\$147,098	
C.									
Maintenance									
Aerial Broadcast - application	Years	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Subtotal \$ per year	Subtotal \$	TOTAL \$
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
								\$0	
Tractor - application						\$0	\$0		
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
								\$0	
<i>Hydroseed</i>									
Hydroseed - application						\$0	\$0		
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
Mulch				0		\$0	\$0		
Tackifier				0		\$0	\$0		
				0		\$0	\$0		
				0		\$0	\$0		
				0		\$0	\$0		
								\$0	
									\$0
Total Cost for Reclamation Prescriptions									\$227,418

Mill Site

Project Name: Mount Polley Mine
Reclamation Permit #: M - 200
Disturbance Category: Mill Site
Area to be reclaimed: 28.22
Additional Notes:

RECLAMATION PRESCRIPTIONS

A. Site Preparation		Area (ha)	Unit Cost (\$/ha)	Item Subtotal \$	TOTAL \$
Recontouring (max. ht. of 10m)				\$0	
Surfacing Material					
Haul (see Lump Sum)					
Spread		28.224	\$684	\$19,312	
Compact				\$0	
Ripping		28.224	\$365	\$10,304	
				\$0	
				\$0	
				\$0	
				\$0	
				\$0	
				\$0	
				\$0	
					\$29,616

B. Revegetation		Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost (\$/ha)	Unit Cost (\$/ha)	Item Subtotal \$	Subtotal \$	TOTAL \$
Aerial Broadcast - application						\$0	\$0		
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
								\$0	
Tractor - application						\$0	\$0		
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
								\$0	
<i>Hydroseed</i>									
Hydroseed - application						\$0	\$0		
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
Mulch				0		\$0	\$0		
Tackifier				0		\$0	\$0		
								\$0	
						\$0	\$0		
						\$0	\$0		
						\$0	\$0		
								\$0	

<i>Woody species</i>		Area (ha)	Appl. Rate (stems/ha)	No. of Plants	Appl. Cost (\$/stem)	Unit Cost (\$/ha)	Item Subtotal \$	Subtotal \$	TOTAL \$
Plant Installation		28.22	1700		\$0.88	\$1,496	\$42,217		
Seedlings				0		\$0	\$0		
Fertilizer tablets				0		\$0	\$0		
Plant protectors (installed)				0		\$0	\$0		
				0		\$0	\$0		
				0		\$0	\$0		
								\$42,217	

C. Maintenance		Years	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost (\$/ha)	Unit Cost (\$/ha)	Subtotal \$ per year	Subtotal \$	TOTAL \$
Aerial Broadcast - application							\$0	\$0		
Seed					0		\$0	\$0		
Fertilizer					0		\$0	\$0		
									\$0	
Tractor - application							\$0	\$0		
Seed					0		\$0	\$0		
Fertilizer					0		\$0	\$0		
									\$0	
<i>Hydroseed</i>										
Hydroseed - application							\$0	\$0		
Seed					0		\$0	\$0		
Fertilizer					0		\$0	\$0		
Mulch					0		\$0	\$0		
Tackifier					0		\$0	\$0		
									\$0	
							\$0	\$0		
							\$0	\$0		
							\$0	\$0		
								\$0		

Total Cost for Reclamation Prescriptions **\$71,833**

Stockpile Pads

Project Name: Mount Polley Mine
Reclamation Permit #: M - 200
Disturbance Category: Stockpile Pads
Area to be reclaimed: 43.54
Additional Notes:

RECLAMATION PRESCRIPTIONS

A.	Area (ha)	Unit Cost \$/ha	Item Subtotal \$	TOTAL \$					
Site Preparation									
Recontouring (max. ht. of 10m)	24.86	\$5,111	\$127,044						
Surfacing Material									
Haul (see Lump Sum)	24.86	\$684	\$17,008						
Spread			\$0						
Compact			\$0						
Ripping	43.54	\$365	\$15,895						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$159,947						
B.									
	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Item Subtotal \$	Subtotal \$	TOTAL \$	
Revegetation									
Aerial Broadcast - application									
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
							\$0		
Tractor - application									
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
							\$0		
<i>Hydroseed</i>									
Hydroseed - application									
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
Mulch			0		\$0	\$0			
Tackifier			0		\$0	\$0			
							\$0		
<i>Woody species</i>									
Plant Installation									
Seedlings	43.54	1700	0	\$0.88	\$1,496	\$65,132			
Fertilizer tablets			0		\$0	\$0			
Plant protectors (installed)			0		\$0	\$0			
							\$65,132		
								\$65,132	
C.									
	Years	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Subtotal \$ per year	Subtotal \$	TOTAL \$
Maintenance									
Aerial Broadcast - application									
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
							\$0		
Tractor - application									
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
							\$0		
<i>Hydroseed</i>									
Hydroseed - application									
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
Mulch				0		\$0	\$0		
Tackifier				0		\$0	\$0		
							\$0		
							\$0		
							\$0		
								\$0	
Total Cost for Reclamation Prescriptions								\$225,078	

Other

Project Name:		Mount Polley Mine							
Reclamation Permit #:		M - 200							
Disturbance Category:		Other							
Area to be reclaimed:		10.62							
Additional Notes:									
RECLAMATION PRESCRIPTIONS									
A. Site Preparation									
	Area (ha)					Unit Cost \$/ha	Item Subtotal \$	TOTAL \$	
Recontouring (max. ht. of 10m)	8.1632					\$5,111	\$41,724		
Surfacing Material									
Haul (see Lump Sum)							\$0		
Spread							\$0		
Compact							\$0		
Ripping	10.615					\$365	\$3,875		
							\$0		
							\$0		
							\$0		
							\$0		
							\$0		
							\$0		
							\$0		
							\$0		
							\$0		
							\$45,599		
B. Revegetation									
	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Item Subtotal \$	Subtotal \$	TOTAL \$	
Aerial Broadcast - application						\$0	\$0		
Seed			0			\$0	\$0		
Fertilizer			0			\$0	\$0		
							\$0		
Tractor - application						\$0	\$0		
Seed			0			\$0	\$0		
Fertilizer			0			\$0	\$0		
							\$0		
<i>Hydroseed</i>									
Hydroseed - application						\$0	\$0		
Seed			0			\$0	\$0		
Fertilizer			0			\$0	\$0		
Mulch			0			\$0	\$0		
Tackifier			0			\$0	\$0		
			0			\$0	\$0		
			0			\$0	\$0		
			0			\$0	\$0		
							\$0		
<i>Woody species</i>									
Plant Installation	10.615	1700		\$0.88	\$1,496	\$15,880			
Seedlings			0			\$0	\$0		
Fertilizer tablets			0			\$0	\$0		
Plant protectors (installed)			0			\$0	\$0		
			0			\$0	\$0		
			0			\$0	\$0		
							\$15,880		
							\$15,880		
C. Maintenance									
	Years	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Subtotal \$ per year	Subtotal \$	TOTAL \$
Aerial Broadcast - application							\$0	\$0	
Seed				0			\$0	\$0	
Fertilizer				0			\$0	\$0	
							\$0		
Tractor - application							\$0	\$0	
Seed				0			\$0	\$0	
Fertilizer				0			\$0	\$0	
							\$0		
<i>Hydroseed</i>									
Hydroseed - application							\$0	\$0	
Seed				0			\$0	\$0	
Fertilizer				0			\$0	\$0	
Mulch				0			\$0	\$0	
Tackifier				0			\$0	\$0	
				0			\$0	\$0	
				0			\$0	\$0	
				0			\$0	\$0	
							\$0		
							\$0		
Total Cost for Reclamation Prescriptions									\$61,480

Exploration

Project Name: Mount Polley Mine
Reclamation Permit #: M - 200
Disturbance Category: Exploration
Area to be reclaimed: 3.47
Additional Notes:

RECLAMATION PRESCRIPTIONS

A.	Area (ha)	Unit Cost \$/ha	Item Subtotal \$	TOTAL \$					
Site Preparation									
Recontouring (max. ht. of 10m)			\$0						
Surfacing Material									
Haul (see Lump Sum)									
Spread	3.47		\$0						
Compact			\$0						
Ripping	3.4728	\$365	\$1,268						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$0						
			\$1,268						
B.									
Revegetation	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Item Subtotal \$	Subtotal \$	TOTAL \$	
Aerial Broadcast - application									
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
							\$0		
Tractor - application									
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
							\$0		
Hydroseed									
Hydroseed - application									
Seed			0		\$0	\$0			
Fertilizer			0		\$0	\$0			
Mulch			0		\$0	\$0			
Tackifier			0		\$0	\$0			
							\$0		
Woody species									
Plant Installation	3.4728	1700		\$0.88	\$1,496	\$5,195			
Seedlings			0		\$0	\$0			
Fertilizer tablets			0		\$0	\$0			
Plant protectors (installed)			0		\$0	\$0			
							\$0		
							\$5,195		
								\$5,195	
C.									
Maintenance	Years	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost \$/ha	Unit Cost \$/ha	Subtotal \$ per year	Subtotal \$	TOTAL \$
Aerial Broadcast - application									
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
							\$0		
Tractor - application									
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
							\$0		
Hydroseed									
Hydroseed - application									
Seed				0		\$0	\$0		
Fertilizer				0		\$0	\$0		
Mulch				0		\$0	\$0		
Tackifier				0		\$0	\$0		
							\$0		
							\$0		
							\$0		
								\$0	
Total Cost for Reclamation Prescriptions								\$6,463	

Lump Sum Items

Project Name:		Mount Polley Mine			
Reclamation Permit #:		M - 200			
Additional Notes:		<input style="width: 100%; height: 15px;" type="text"/>			
Lump Sum Items					
A.	ARD Capital Costs			Item Subtotal \$	TOTAL \$
	Capital (Complete ARD Capital Cost Worksheet)			\$600,000	
					\$600,000
B.	Lump Sum Categories (Complete on this sheet)	Decomm. Fixed Cost \$	Salvage Value \$	Item Subtotal \$	
	Crushing Conveying Plant			\$0	
	Milling Plant			\$0	
	Mining Equipment/Fleet			\$0	
	Admin. Building			\$0	
	Silos			\$0	
	Structures			\$0	
	Power line			\$0	
	Conveyor			\$0	
	Stockpiles			\$0	
	Sealing of Openings	\$50,000		\$50,000	
	Hauling--Surface Materials	\$1,219,283		\$1,219,283	
	Solid Waste Disposal			\$0	
	Engineering	\$192,600		\$192,600	
	Leach Pad	\$124,300		\$124,300	
	Nutrifer Storage	\$75,000		\$75,000	
	Fence Around Springer Pit	\$100,000		\$100,000	
	Optional Item 7			\$0	
					\$1,761,183
TOTAL COST FOR LUMP SUM ITEMS					\$2,361,183

Post Closure

Project Name:		Mount Polley Mine		
Reclamation Permit #:		M - 200		
Additional Notes:				
(Capital costs included in Lump Sum Worksheet)				
Post Closure (Operating)				
A. ARD Operating System	(Complete ARD Operating Worksheet)		Item Annual Cost \$	Subtotal \$
Plant Operating			\$0	
Monitoring			\$10,000	
Other			\$0	
				\$10,000
B. Non ARD Operating System	(Complete This Section)		Item Annual Cost \$	
Operating			\$0	
Maintenance			\$0	
Cleanout of Sediment Basins			\$0	
General Site Monitoring			\$10,000	
Engineering			\$0	
Optional 1			\$0	
Optional 2			\$0	
Optional 3			\$0	
Optional 4			\$0	
Optional 5			\$0	
				\$10,000
Annual Cost for Post Closure Items				\$20,000
C. PRESENT VALUE				\$666,667

ARD Capital Cost

Project Name: Mount Polley Mine			
Reclamation Permit #: M - 200			
Additional Notes:			
High Density Sludge (HDS) (major headings remain the same for Conventional and Enhanced High Density Sludge)		Item Subtotal \$	Total \$
A. Capital Cost Items			
Treatment Plant	Equipment		
The following costs are not included: - site preparation - water system	Neutralization Circuit	\$0	
	Reagents Circuit	\$0	
	Flocculant Circuit	\$0	
	Mechanical Services (compressors/blowers)	\$0	
	Optional Item 1	\$0	
	Optional Item 2	\$0	
	Total of Equipment		\$0
	Installation of Equipment	\$0	
	Process Piping	\$0	
	Electrical	\$0	
	Instrumentation	\$0	
	Building	\$0	
	Building Services	\$0	
	Polishing Pond Allowance	\$0	
	Optional Item 1	\$0	
Optional Item 2	\$0		
Total Direct Cost			\$0
Spare parts	\$0		
Construction Overheads	\$0		
Engineering, Procurement and Management	\$0		
Optional Item 1	\$0		
Optional Item 2	\$0		
Total Indirect Cost			\$0
Contingency	\$0		
Optional Item 1	\$0		
Optional Item 2	\$0		
Total Contingency			\$0
Total Treatment Plant Capital Cost		(A)	\$0
B. Capital Cost Items			
Treatment System	Infrastructure (roads, powerline, camp, ...)	\$0	
	Water Management System(collection, peak flow control, pump system)	\$600,000	
	Sludge Disposal(cost to construct basin)	\$0	
	Site-Specific Requirements(i.e. effluent criteria, special requirement to handle peak flows through plant, etc.)	\$0	
	Optional Item 1	\$0	
	Optional Item 2	\$0	
Total Treatment System Capital Cost		(B)	\$600,000
TOTAL CAPITAL COSTS		(A) + (B)	\$600,000

ARD Operating System Cost

Project Name: Mount Polley Mine			
Reclamation Permit #: M - 200			
Additional Notes:			
	High Density Sludge (HDS) (Major headings remain the same for Conventional and Enhanced High Density Sludge)	Item Subtotal \$	Total \$
A	Operating Cost Items		
	Treatment Plant		
	Reagents(eg: Lime)	\$0	
	Electrical Power	\$0	
	Operating Labour	\$0	
	Maintenance	\$0	
	Supplies	\$0	
	Electrical Power	\$0	
	Optional Item 1	\$0	
	Optional Item 2	\$0	
	Total Direct Cost		\$0
	Indirect Costs (e.g. permitting)	\$0	
	Contingency	\$0	
	Optional Item 1	\$0	
	Optional Item 2	\$0	
	Total Treatment Plant Operating Cost		\$0
B	Operating Cost Items		
	Treatment System		
	Infrastructure (operate and maintain)	\$0	
	Water Management System (operate and maintain)	\$0	
	Sludge Disposal	\$0	
	Site-Specific Requirements(Environmental Program)	\$0	
	Indirect Costs	\$0	
	Optional Item 1	\$0	
	Optional Item 2	\$0	
	Total Treatment System Operating Cost		\$0
	Total Operating Costs		\$0
C	Monitoring Costs:		
	eg; Human Resources	\$10,000	
		\$0	
		\$0	
		\$0	
		\$0	
	Total Monitoring Costs		\$10,000
D	Other Costs:		
	eg; Insurance	\$0	
		\$0	
		\$0	
		\$0	
		\$0	
	Total Other Costs		\$0
	TOTAL COSTS		\$10,000