

WHARF RESOURCES
 BOND RECALCULATION SUMMARY March 2013
 WHARF MINE

Earthmoving & Revegetation

Leach Pads and Process Ponds	
Reclaim Process Area	\$526,917
Offload 10 Million Tons Spent Ore from Leach Pads	\$8,988,678
Upper Ross Valley Spent Ore Depository	
Reclaim Upper Portion of Ross Valley Depository	\$423,637
Cap Rock for Regraded Upper Ross Valley Depository	\$274,351
Trojan/Green Mountain Pit	\$2,432,974
Denitrification Pads	
Reclaim Denitrification Pads	\$483,079
Cap Rock for Regraded Denitrification Pads	\$309,212
Reliance Waste Rock Facility	\$25,804
Low Grade Stockpile	\$20,853
Office/Crusher	\$79,511
Juno Pond	\$30,679
Building Demolition	\$536,183
Topsol Stockpiles	\$34,974
Minimum Impact (Reclaimed Areas)	\$17,280
Other Earthmoving	
Other Payroll	
Earthwork Superintendent	\$210,000
Demolition Superintendent	\$75,000
Mechanic	\$151,250
Security/Safety	\$100,800
Road Maintenance	\$254,500
Air Quality Monitoring	\$15,000
Sediment Basin Maintenance	\$9,600
Weed Control	\$50,000
Shipping lead wastes	\$1,600
Shop wash water disposal	\$3,200
Petroleum contaminated soil disposal	\$20,000
Boneyard Cleanup	\$2,000
Site Survey	\$200,000

Subtotal Earthmoving	\$15,277,080

Mobilization (5%)	\$763,854
Performance Bond (1%)	\$152,771
Contractor Overhead (8%)	\$1,222,166
State Excise Tax (2%)	\$305,542
Contractor Profit (10%)	\$1,527,708
Contingency (4 %)	\$611,083
Insp., Adm., & Maint. (10%)	\$1,527,708
Engineering & Consulting (5%)	\$763,854
Scope and Bid Contingency (5%)	\$763,854

Total Earthmoving & Revegetation	\$22,915,620

Water treatment

Pad Neutralization & Water Treatment	
Pad Draindown Pumping	\$19,382
Cyanide Destruction	\$193,820
Pad Denitrification Nutrient	\$15,000
Polo Denitrification	\$179,663
North Foley Denitrification	\$473,406
Electricity	\$208,773
Natural Gas	\$457,404
Total Pad Neutralization & Water Treatment	\$1,547,448

Ross Valley Water Treatment Plant	
Nutrient	\$275,000
Electricity	\$151,275
Natural Gas	\$190,585
Carbon Replacement	\$652,000
Plant Maintenance	\$50,000
RV Treatment Plant Total	\$1,318,860

Process Area Ground Water Remediation	
Pumping Costs	\$3,000
Nutrient	\$25,000
Monitoring	\$175,000
Analytical Testing	\$300,000
Total Process Area GW Remediation	\$503,000

Plant Operators	\$525,000
Security/Safety	\$140,000
Gas & Diesel for Pickups & Misc. Equipment	\$18,000
Equipment & Vehicle Maintenance	\$33,750
Pickup Truck	\$25,000
Liner Repair	\$15,000
Water Sampling & Analysis	\$722,667
Biological Monitoring	\$75,000
Well Plugging	\$2,736
Pipeline from Ponderosa to Foley	\$24,848
Pipeline from Ross Valley to Ponderosa	\$5,900
HDD-12 Pipeline	\$10,000
Replacement Pumps	\$70,000

Subtotal Water Treatment	\$5,037,209
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Mobilization (1%)	\$50,372
Performance Bond (1%)	\$50,372
Contractor Overhead (8%)	\$402,977
State Excise Tax (2%)	\$100,744
Contractor Profit (10%)	\$503,721
Contingency (25%)	\$1,259,302
Insp., Adm., & Maint. (10%)	\$503,721
Engineering & Consulting (3%)	\$151,116
Scope and Bid Contingency (5%)	\$251,860

Total Water Treatment	\$8,311,394
Miscellaneous	
Gas & Diesel for Pickups & Misc. Equipment	\$18,000
Equipment & Vehicle Maintenance	\$33,750
Office Supplies	\$6,300
Insurance	\$90,000
Pickup Truck	\$25,000
Computers	\$7,500
Utilities	
Electricity	\$858,432
Garbage Disposal	\$12,600
Phone & Internet	\$24,600
Propane	\$22,500

Subtotal Utilities & Miscellaneous	\$1,098,682

Contingency (10%)	\$109,868
Insp., Adm., & Maint. (1%)	\$10,987

Total Utilities & Miscellaneous	\$1,219,537

Total Earthmoving, Water Treatment, Misc, & Utilities	\$32,446,551
Inflation Cost Adjustment @ 3% Per Year for 2 Years	\$1,946,793

Total Reclamation Bond	\$34,393,344
ROUND TO:	\$34,393,000
CURRENT BOND	\$34,364,000
ADDITIONAL BOND REQUIRED	\$29,000