

980 Loader Cycle Time

(From Cat Performance Handbook)		0.55 min
a. 3/4 inch to 6 inch		0.00 min
b. Pile (10 ft or less)	+	0.01 min
c. 3/4 inch to 6 inch	-	<u>0.04 min</u>
		0.52 min

(60 min/hr)/(0.52 min/cycle) = 115.4 cycles/hr
 Efficiency 50 min/hr - (115.4 cycles/hr)(6 cu yd/cycle)(50 min/60 min) = 577 cu yd/hr (96 cycles/hr)

Summary of Reclamation Cost Estimate

Direct Costs

a. Seal Portals and Backfill	\$ 112,500
b. Removal of Structures	\$ 210,403
c. Soil Placement and Ripping	\$ 178,617
d. Channel Restoration	\$ 403,728
e. Revegetation	\$ 462,968
f. Monitor Well Plugging	<u>\$ 5,000</u>

Total Direct Costs: \$ 1,373,216

Indirect Costs

g. Maintenance and Monitoring (10%)	\$ 137,322
h. Contingency (5%)	\$ 68,661
i. Engineering Redesign (2.5%)	\$ 34,330
j. Mobilization and Demobilization (5%)	\$ 68,661
k. Contract Management Fee (2.5%)	<u>\$ 34,330</u>

Total Indirect Costs: \$ 343,304

Total Reclamation Cost (2001 dollars) \$ 1,716,520

<u>Escalated Values</u>	<u>Escalation Factor</u>
2002 - 1,770,075	3.12% (est)
2003 - 1,825,302	3.12% (est)
2004 - 1,882,251	3.12% (est)
2005 - 1,940,978	3.12% (est)

The total bond currently posted, rounded to the nearest \$1,000, is **\$1,825,000**.