

## COST SUMMARY WORK

Task description: Summary of mooring post reclamation

Site: New Horizon Mine

Permit Action: MR121

Permit/Job#: C1981008

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 1/10/2022

County: Montrose

Filename: C008-000

User: JHB

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	replace 403 CY Lift A TS S of Pond 13	DOZER	1	0.40	\$94
002	Reseed 0.5 acres s of Pond 13	REVEGE	1	0.50	\$212
<b><u>SUBTOTALS:</u></b>				<b>0.9</b>	<b>\$306</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$6

Performance bond: 0.00

Total = \$0

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$31

TOTAL O & P = \$37

CONTRACT AMOUNT (direct + O & P) = \$343

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 0.00

\$0

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$37

**TOTAL BOND AMOUNT (direct + indirect) = \$343**

## BULLDOZER WORK

Task description: Replace 403 CY Lift A TS S of Pond 13

Site: New Horizon Mine

Permit Action: MR121

Permit/Job#: C1981008

### PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 1/10/2022

County: Montrose

Filename: C008-001

User: JHB

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Blade Type: Semi-Universal

Attachment: NA

Shift Basis: 1 per day

Data Source: (CRG)

#### Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$97.46	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA
Total unit Cost/Hour:	\$236.39	
Total Fleet Cost/Hour:	<b>\$236.39</b>	

### MATERIAL QUANTITIES

Initial Volume: 403

Swell factor: 1.000

Loose volume: 403 LCY

Source of estimated volume: Division of Reclamation, Mining & Safety

Source of estimated swell  
factor: Cat Handbook

### HOURLY PRODUCTION

Average push distance: 50 feet

Unadjusted hourly  
production: 1,400.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push  
gradient: -5 %

Average site altitude: 5,600 feet

Material weight: 2,550 lbs/LCY

Weight description: Earth - Dry packed

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.900	(AB.AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7212

Adjusted unit  
production: 1,009.68 LCY/hr

Adjusted fleet  
production: **1009.68** LCY/hr

**JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.234/LCY

Total job time: **0.40** Hours

Total job cost: **\$94**

## REVEGETATION WORK

Task description: Reseed 0.5 acres s of Pond 13

Site: New Horizon Mine

Permit Action: MR121

Permit/Job#: C1981008

### PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 1/10/2022

County: Montrose

Filename: C008-002

User: JHB

Agency or organization name: DRMS

### FERTILIZING

#### **Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$0.00</b>

#### **Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

### TILLING

Description	Cost /Acre
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

### SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Russian Wildrye - Bozoisky	2.60	10.45	\$16.85
Alfalfa - Ladak (inoculated)	1.20	5.79	\$3.06
Sainfoin - Remont	0.30	0.13	\$0.95
Thickspike Wheatgrass - Critana	2.80	9.90	\$19.25
Western Wheatgrass - Arriba	3.80	9.60	\$24.70
Saltbush, Four Wing	0.60	0.83	\$7.50
<b>Totals Seed Mix</b>	<b>11.30</b>	<b>36.68</b>	<b>\$72.31</b>

#### **Application**

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Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
<b>Total Seed Application Cost/Acre</b>	<b>\$267.22</b>

**MULCHING and MISCELLANEOUS****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
<b>Total Mulch Materials Cost/Acre</b>				<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</b>

**NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres:	0.5	Cost /Acre:	\$339.53
Estimated Failure Rate:	25%	Cost /Acre*:	\$339.53
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	<b>\$169.77</b>
Reseeding Job Cost:	<b>\$42.44</b>
Total Job Cost:	<b>\$212</b>
Job Hours:	<b>0.50</b>