State of California
DEPARTMENT OF CONSERVATION
DIVISION OF MINE RECLAMATION
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FINANCIAL ASSURANCE COST ESTIMATE

FOR

TCR-2 MINE

(Mine Name)

CA Mine ID # 91- 52-001

Reclamation Plan #/Name # 04-1 / TCR-2

Prepared by: (Name & Affiliation):

Land Designers, Inc.
1975 Placer Street, Suite A
Redding, CA 96001
Keith Hamblin, owner

Date: 08/24/2022

This financial assurance cost estimate prepared and submitted pursuant to *(choose one)*:

- ○ A new or amended reclamation plan approved on (Date):_____
- ○ An annual mine inspection performed on (Date): _____
- ◉ Other: Please Specify: Amending reclamation plan # 04-1

Most Recent Approved Financial Assurance Cost Estimate

Date: 11/29/2017

Amount: $ 83,020.06

Amount of existing Financial Assurance Mechanism(s)

Date: 12/04/2018

Amount: $ 87,0000

I. SUPPORTING DOCUMENTS

This estimate represents the cost of conducting and completing reclamation in accordance with the Surface Mining and Reclamation Act (SMARA) and the following supporting documents:

Reclamation Plan Approval Date and Number

09/15/2005 #04-1

Permits and/or Environmental Documents Approved as, or Conditioned upon, the Reclamation Plan

N/A

Other Agency Financial Assurances Securing Reclamation of Disturbed Lands

N/A

Wage Rates used in Cost Estimate* *(cost estimates are required to use current 'General prevailing wage determinations made by the director of industrial relations' where applicable (http://www.dir.ca.gov/OPRL/PWD/index.htm) with employer labor surcharge added, or greater)*

General Prevailing wage is used. Effective June 27, 2022 and July 1, 2022.

Equipment Rates used in Cost Estimate* *(Use current 'Labor Surcharge and Equipment Rental Rates (Cost of Equipment Ownership)' equipment rates published by Caltrans (http://www.dot.ca.gov/hq/construc/equipmnt.html) or other publicly available and verifiable local rates)*

Labor Surcharge and Equipment Rental Rates by Caltrans is used. April1. 2022 to March 31, 2023.

Equipment Production Rates used in Cost Estimate *(Use of current Caterpillar Performance Handbook or equivalent published production rates is required)*

Caterpillar Performance Handbook is used.

** Many mine sites are remote projects that require hours of travel (to and from) and sometimes require additional time to prepare for even the simplest of tasks. In accordance with Labor Code Sections 1773.1 and 1773.9, contractors are required to make travel and/or subsistence (per diem) payments to each worker to execute the work. These arrangements can be quite variable and site specific.*

Attachments:

N/A

II. Description of Current Site Conditions

(i.e., disturbed acres, slope conditions, excavation depths, topsoil and overburden stockpiles, equipment and facilities, reclamation in progress, erosion control status, required corrective actions, etc.)

Mining has ceased and the mine is being reclaimed. The western part of the site is reclaimed except for seeding 2.96 acres, resoiling 1 ac. of upland with 2 inches of soil, ripping 170 lf of gravel rd.

The eastern area has mainly been refilled with soil and overburden. Remaining reclamation is adding soil and overburden to the dryland pasture area, seeding 50.78 acres with a dryland pasture mix, bank grading and creating a small berm along the bank of Thomes Creek.

III. Description of Anticipated Site Conditions (12 months from date of estimate)

(i.e., increase of disturbed acres, increase of depth, increases in amount of equipment and/or facilities, required corrective actions, etc.)

Continued filling of eastern area.

IV. Description/Justification of Cost Increase/Decrease

There has been a change in the prevailing wage and equipment costs. The amended reclamation plan has eliminated certain mining areas, reduced the amount of filling of mined areas, changed the end use, eliminated an irrigation system and changed the type of revegetation all of which affect the cost of reclamation.

(add additional pages as needed)

V. PLANT STRUCTURES AND EQUIPMENT REMOVAL *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Current Site Condition:

All structures and equipment have been removed.

Reclamation Plan Performance Standard (End Use):

Dryland pasture and apiary use.

Describe tasks:

None required.

Equipment on site wholly owned by operator?: (●) YES ( ) NO

(If no, please provide the name/s and contact information for any lien holder)

(add additional pages as needed)

V. PLANT STRUCTURES AND EQUIPMENT REMOVAL *(use multiple sheets as needed)*

Methods to be used:

A. Equipment – List equipment required to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
				0.00

Total Equipment Cost for this Task = $ 0.00

B. Labor – List all labor categories to complete identified task

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost ($)
				0.00

Total Labor Cost for this Task = $ 0.00

C. Demolition – List all structures and equipment to be dismantled or demolished and removed from site

Structure/Equipment to be Removed	Type of Material	Volume/ Quantity	Unit Cost Basis	Disposal Cost	Cost ($)
					0.00

Total Materials Cost for this Task = $ 0.00

D. Total Direct Cost of Structure and Equipment Removal (Total A+B+C)

Equipment Costs + Labor Cost + Demolition Cost = $ 0.00

E. Net Salvage Value* (Supported by properly prepared third party estimate, bid, or cost calculation.)

Net Salvage Value = $ 0.00

F. Total Cost of Structure and Equipment Removal (Subtract Line D from Line E)

Total Cost of Structure and Equipment Removal = $ 0.00

*NOTE: Salvage value may only be used to offset the direct cost of removing the single item for which salvage value is being claimed. Salvage value shall not be used to offset any other demolition, general cleanup, or reclamation costs.

VI. PRIMARY RECLAMATION ACTIVITY

Use multiple sheets as necessary to estimate the cost of each activity required. Provide documentation showing that rates, prices, and wages are available locally to the lead agency and/or the Department if necessary.

Current Site Conditions:

Mining has ceased and the mine is being reclaimed. The western part of the site is reclaimed except for seeding 2.96 acres, resoiling 1 ac. of upland with 2 inches of soil, ripping 170 lf of gravel rd.

The eastern area has mainly been refilled with soil and overburden. Remaining reclamation is adding soil and overburden to the dryland pasture area, seeding 50.78 acres with a dryland pasture mix, bank grading and creating a small berm along the bank of Thomes Creek.

Reclamation Plan Performance Standard (End Use):

Dryland pasture and apiary use.

Describe tasks, methods, equipment, etc.:
Decompaction, cut, fill, haul, slope reduction, compaction, grading, topsoil placement, drainage work, soil amendments, special requirements, etc. Separate sheets may be used for each task if necessary.

A dozer and scraper will resoil the low area in the eastern area with 40,000 cy of soil and overburden. The depth of fill is 2 feet or less. A scraper will be used to create the berm along Thomes Creek (1,037 cy to be used) and to apply 2 inches of soil/overburden to 1 acre of land on the western side of the mine (269 cy to be used). A grader will grade 2,684 lf of bank. 170 lf of gravel rd will be ripped. A helicopter is used to apply seed.

Provide quantities:
Overburden and topsoil, cut and fill, import or export (cubic yards), area (acres), haul distances (feet), equipment production rates (cubic yards/hour, or as applicable), etc.

The dozer is used to moved soil and overburden to locations which average less than 300 ft. in distance. A scraper is used for sites greater than 300 ft. The average production rate is 862 cy/hr. with a D10R Cat and 300-332 cy/hr. with a Cat 627 scraper depending on the haul distances. A grader traveling at 1 mph can grade 63,360 sf in 1 hr. & there is 59,048 sf to grade. Any compacted ground is ripped by the dozer. A grader and/or dozer will grade areas of uneven terrain.

(add additional pages as needed)

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VI. PRIMARY RECLAMATION ACTIVITY (Resoiling, berm creation, ripping) *(use multiple sheets as needed)*

(Describe Reclamation Activity Being Estimated)

Acres:	11.5 acres	Overburden (cy):	17,306 17.7
Haul Distance (ft):	0-700	Topsoil (cy):	24,000
Production Rate (cy/hr):	862 cy dozer 332 scraper		

Methods to be used:

A. Equipment – List equipment required to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
Dozer Cat D10R	Hrs.	350.17	35	12,255.95
Scraper Cat 626	Hrs.	236.53	35	8,278.55
Grader Cat 12 H	Hrs.	91.04	2	182.08
Water Truck	Hrs.	53.73	20	1,074.40

Total Equipment Cost for this Task = $ 21,790.98

B. Labor – List all labor categories to complete identified task

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable) (enter % of wage)*	# of Hours	Cost ($)
Foreman	65.00		20	1,300.00
Equipment operator Grp 3	85.64		72	6,166.08
Teamster Grp 2	69.12		20	1,382.40

Total Labor Cost for this Task = $ 8,848.48

C. Materials – List all materials required to complete identified task

Item	$/Unit	Sales tax (enter local rate in %)	Quantity	Cost ($)
				0.00

Total Materials Cost for this Task = $ 0.00

D. Total Direct Cost for this Task

Equipment Costs + Labor Cost + Materials Cost = $ 30,639.46

VII. REVEGETATION *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Current Site Condition:

Mining has ceased and the mine is being reclaimed. The western part of the site is reclaimed except for seeding 2.96 acres, resoiling 1 ac. of upland with 2 inches of soil, ripping 170 lf of gravel rd.

The eastern area has mainly been refilled with soil and overburden. Remaining reclamation is adding soil and overburden to the dryland pasture area, seeding 50.78 acres with a dryland pasture mix, bank grading and creating a small berm along the bank of Thomes Creek.

Reclamation Plan Performance Standard (End Use):

Dryland pasture and apiary use.

Describe tasks:

50.78 acres is to be seeded with a dryland pasture mix. 2.96 acres is to be seeded with a native plant seed mix. A helicopter is to aerially seed the site. The ground to be seeded will be harrowed before and after seed application. 4 acres can be harrowed in an hour.

VII. REVEGETATION *(use multiple sheets as needed)*

Methods to be used:

A. Equipment – List equipment required to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
40 hp tractor	Hrs.	27.23	28	762.44
Spring harrow	Hrs.	3.00	28	84.00
Chain harrow	Hrs.	3.00	28	84.00
Pickup truck	Hrs.	25.30	9	227.70
Helicopter with pilot	Hrs.	1,000.00	2.50	2,970.00

Total Equipment Cost for this Task = $4,128.14

B. Labor – List all labor categories to complete identified task.

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable)* (enter % of wage)	# of Hours	Cost ($)
Landscape equip. operator Grp III	67.56		28	1,891.68
Foreman, landscape	55.00		9	495.00

Total Labor Cost for this Task = $2,386.68

C. Materials – List all materials required to complete identified task

Item/Plant Species	Unit of measure	$/Unit	Sales tax (enter local rate in %)	Quantity	Cost ($)
Dryland pasture seed mix	lbs.	2.57		1,523.40	3,915.14
Native upland seed mix	lbs.	15.00		207.20	3,108.00
Tax			0.0725		509.18

Total Materials Cost for this Task = $7,532.32

D. Total Direct Cost for this Task

Equipment Costs + Labor Cost + Materials Cost = $14,047.14

VIII. MISCELLANEOUS COSTS *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Examples of this type of cost may include temporary storage of equipment and materials off site, special one-time permits (i.e. transportation permits for extra wide overweight loads, etc.), decommissioning a process mill (I.e. decontamination of equipment), disposal of warehouse inventories, well abandonment, remediation of fueling and waste oil storage sites, septic system removal, costs to prepare closure and monitoring reports, site security, preserving potable water and maintaining utilities, etc.

Item / Task	Quantity	$/Unit	Cost ($)
20% vegetation mgt.	.2	14,047.14	2,715.43

Total Miscellaneous Costs = $ 2,809.43

IX. MONITORING COSTS

Monitoring Task	$/Visit	# of Visits/Year	# of Monitoring Years	Cost ($)
Biologist monitoring site	1,718.40	1	2	3,436.80

Total Monitoring Costs = $ 3,436.80

X. SUMMARY OF COSTS

This section shall be used to summarize all the cost sheets in one place.

(V) Total of all Plant Structures & Equipment Removal Costs	$ 0.00
(VI) Total of all Primary Reclamation Activities Costs	$ 30,639.46
(VII) Total of all Revegetation Costs	$ 14,047.14
(VIII)Total of all Miscellaneous Costs	$ 2,809.43
(IX) Total of all Monitoring Costs	$ 3,436.80
Total of Direct Costs	$ 50,932.83

XI. Supervision / Profit & Overhead / Contingencies / Mobilization

(A) Supervision (6.0 %)	$ 3,055.97
(B) Profit/Overhead (13.0 %)	$ 6,621.27
(C) Contingencies (10.0 %)	$ 5,093.28
(D) Mobilization (3.0 %)	$ 1,527.98
Total of Indirect Costs	$ 16,298.50
Total of Direct and Indirect Costs	$ 67,231.33
(E)Lead Agency and/or Dept. of Conservation Administrative Costs	$ 10,084.70
Total Estimated Cost of Reclamation	$ 77,316.03

Keith Hamblin

From: Brian Lohse <Brian.Lohse@lockwoodseed.com>
Sent: Friday, July 29, 2022 2:37 PM
To: kjmkc1950@gmail.com
Subject: Seed Quote - What we can do today.

30% Fawn Tall
25% Tet. Perennial Rye
15% Potomac Orchardgrass
10% Corral Tet. Annual Rye
7.5% Ladino Clover
7.5% Strawberry Clover
5% Alsike Clover

Approx 1,500 lbs.
Price: $2.57/lb.

Our General Livestock mix is very similar to the above.
25% Fawn Tall
25% Tet. Perennial Rye
15% Potomac Orchardgrass
10% Corral Tet. Annual Rye
7.5% Ladino Clover
7.5% Strawberry Clover
5% Alsike Clover
5% Birdsfoot Trefoil.

This mix is almost always in stock and $2.51/lb today.

Upland Mix
I do not have access today to some of the items you requested and some of those items are terrible expensive.

What I can offer today for prompt delivery:
25% Molate Fescue
25% Blue Wildrye
25% California Brome
15% Meadow Barley
10% Mokelumne Fescue

Your Price: $15/lb.

It I make it an even 200 lbs. it will saves you cost on the mix too. I priced it that way.

Please let me know which direction you would like to proceed.

All seed quotes subject to change and availability at time of order.

Billing: 975 1st Avenue, Willows, CA 95988
Physical Address: Willows Airport- 205 County Road G, Hanger 3, Willows, CA 95988
Phone: 530-934-3113 Email: rmichaudaviation@yahoo.com

APPLICATION QUOTE

Quote Date: July 11, 2022

Quoted By: Taylor Michaud

Customer: Land Designers

Contact: Keith Hamblin

Cell: 530-524-8481

Email: kjmkc1950@gmail.com

Job: 54 acres of Fall seeding (Tehama County)- Per our phone and email discussions

$55.00 PER ACRE- This pricing includes fuel pricing

Quote is valid through 12/31/2022

Keith, thank you for your consideration. If you have any questions at all, please feel free to give me a call.

Sincerely,

Taylor Michaud

Taylor Michaud- Owner

Regenald Michaud Aviation, LLC

TM:mm

Keith Hamblin

From: skerns7118@aol.com
Sent: Thursday, September 08, 2022 3:50 PM
To: kjmkc1950@gmail.com
Subject: TCR-2 veg monitoring

Hello Keith,

Here are my thoughts on cost for the TCR-2 vegetation compliance surveys. We put in three vegetative transects which should be read again. Two of them consist of 10 survey plots, one has 20 plots. I think it will take 2 surveyors one day to get it done:

Task		Cost
Field survey time:	8 hrs. X 2 surveyors=16 hrs X $80/hr.	$1,280.00
Results write up:	4 hrs. X $80/hr.	320.00
Fuel cost;	148 mi X $0.80/mi	118.40
Total Estimate		**$1,718.40**

How's this sound? Please let me know if this is what you need.

Steve

Wildland Resource Managers