

# Lhoist North America Mathis Lime Plant Grant County, New Mexico

**Lime Plant Reclamation Plan** 

April 2020

## TABLE OF CONTENTS

SEC'	TION	1 Recl	lamation Plan	1-1
	1.1	Objec	tives	1-1
	1.2	Visua	1 Resource Standards	1-1
	1.3	Reclai	mation Bond	1-1
	1.4	Reclm	nation Sequence	1-2
		1.4.1	Initial Reclamation	1-2
		1.4.2	Ongoing Reclamation	1-2
	1.5	Reclm	nation Activities	
		1.5.1	Surface Re-contouring	1-3
		1.5.2	Seedbed Preparation	1-3
		1.5.3	Seeding	
		1.5.4	Mulching	
		1.5.5	Reclamation Protection	
	1.6	Final 1	Reclamation of Haul Roads	
	1.7		ve/Noxious Species Control	
	1.8		getation Monitoring	
		1.8.1	Vegetation Reference Area	
		1.8.2	Methodology and Success Criteria	
		1.8.3	Bond Release	

#### LIST OF APPENDICES

Appendix A	Facility Maps
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Appendix B Reclamation Cost Estimate

Appendix C New Mexico Noxious Weed List

# SECTION 1 RECLAMATION PLAN

Lhoist North America (LNA) owns the Mathis Quarry (Facility), a limestone quarry and lime manufacturing operation (mill site), located near Hanover, NM. The Facility operates pursuant to Permit No. GR030ME (Permit) issued by the Mining and Minerals Division (MMD) of the New Mexico Energy, Minerals and Natural Resources Department (EMNRD). LNA maintains a lease with the U.S Department of Agriculture – Forest Service (USFS) which includes access to the mining rights for continued operation of the Facility within the Gila National Forest.

As required by both MMD (letter dated March 2, 2020) and USFS (letter dated March 5, 2020), LNA has prepared the following reclamation plan for the Facility mill site, Claim No. 86551.

#### 1.1 Objectives

LNA's reclamation objective for the Facility mill site is to reclaim all disturbed areas of the plant (See Figure 3 in Appendix A) to a condition as good as or better than the pre-mining surface. The reclaimed areas will be a self-sustaining ecosystem blending with the undisturbed ecosystem surrounding the operation over time.

All reclaimed areas will be stable and exhibit none of the following characteristics:

- Large rills or gullies (greater than 3 inches wide or deep);
- · Perceptible soil movement or head cutting in any drainages; and,
- Slope instability on or adjacent to the reclaimed area.

#### 1.2 Visual Resource Standards

The reclaimed landscape will approximate the visual quality of adjacent and surrounding areas regarding surface contour, drainage patterns, vegetation, and visual texture. All facilities, infrastructure, equipment and resources, and general debris associated with the operation will be removed from the mill site. Disturbed surfaces and access roads will be restored to as nearnatural contours as feasible according to this reclamation plan. All disturbed areas to be reclaimed are identified in Figure 3 of Appendix A. All identified disturbed areas will be revegetated using plant species appropriate to the site (Table 1-2).

#### 1.3 Reclamation Bond

As Part of the MMD Mining Permit and the USFS Lease Agreement, a Financial Assurance (FA) estimate from the mine operator is required. This estimate is based on the cost of reclaiming the site by a third party. The FA bond will be placed jointly in the name of the State of New Mexico EMNRD-MMD and the USFS. Applicable bonding methods include a Surety Bond, CD, or cash

account. MMD requires a minimum 12-year period after reclamation for withholding release of the FA for third-party re-vegetation costs.

A reclamation bond estimate is provided in Appendix B. The estimate is for a reclamation area of approximately 16.3 acres, which is the approximate acreage of the mill site and surrounding disturbed areas. LNA has prepared the reclamation bond estimate using the Nevada Standardized Reclamation Cost Estimator, Version 1.4.1 (SRCE). The updated SRCE increases the FA estimate from an existing value of \$40,243 to a proposed value of \$612,293. This includes an approximate value of \$223,000 to remove trash, debris, temporary structures, etc. from the mill site (note this value is listed in the cost estimation sheet under Section D – Other User Costs, with the remaining portion found within the Indirect Costs).

#### 1.4 Reclamation Sequence

#### 1.4.1 Initial Reclamation

LNA previously completed partial reclamation of the mill site by removing the majority of the lime manufacturing equipment, including, but not limited to: crusher, lime kiln, conveying equipment, fuel tanks, etc. Additional site work is still needed before any earth work and revegetation efforts can be made. This will be the focus of the remainder of this reclamation effort.

#### 1.4.2 Ongoing Reclamation

With lime manufacturing no longer occurring at the Facility, LNA plans to remove the remaining structures and mining debris that remains at the mill site. This includes the demolition and removal of the temporary office trailer, demolition and removal of scale house, removal of debris piles (e.g. kiln brick, scrap metal, tires, etc.), removal of drums and associated liquids, etc. For those structures that contain components suitable for reclamation efforts (e.g. concrete foundations, limestone fines, lime spoils pile, etc.), LNA plans to excavate the soil to 6 inches below the existing grade. If necessary, the structure will be removed from the foundation at this level, and any remaining concrete will be buried in place following the procedures of this reclamation plan. Any slabs of concrete and lime spoils will be broken into manageable pieces and hauled to the mine site to be used as backfill material.

With all structures and debris removed from the mill site, reclamation of disturbed areas within the mill site will occur as follows:

- Surface Re-Contouring and Seedbed Preparation
  - o Backfill of excavated areas with stockpiled subsurface overburden materials
  - o Rip areas of compacted soils and limestone fines
  - o Contouring of reclaimed subsurface to 3H:1V or flatter
  - o Even placement of stockpiled topsoil over area to be reclaimed
  - o Harrowing of final topsoil grade for seedbed preparation
- Seeding and Mulching

- Seed application by broadcast seeding
- o Application of mulch

#### Monitoring

- o Determination of Vegetation Reference Area
- o Inspection of reclaimed areas to determine success of revegetation efforts
- Invasive/Noxious Species Control until release of bond

Table 1-1: Mill Site Reclamation Progress Plan

Phase	Approx. Acres	Pre 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Post 2021		
Removal of lime manufacturing equipment (e.g. crusher, lime kiln, conveyors, etc.)	0.2	С									
Removal of remaining structures, debris, etc.	0.2		P	P							
Earthwork, (backfill, rip compacted soils, contour, etc.)	16.3				P	P					
Application of seed and mulch	16.3					P	P				
Continued inspections (invasive species, monitoring of vegetation, erosion controls, etc.)	16.3						P	P	P		

C = Phase completed

Final reclamation for the mill site will include final grading, soil preparation, seeding, mulching, and erosion control of the areas identified within the mill site. Earthen berms will be created at access roads leading to the reclaimed areas to prevent vehicle traffic from entering.

The Permit requires at least 30 days notice prior to the commencement of reclamation activities approved in this Reclamation Plan.

#### 1.5 Reclamation Activities

#### 1.5.1 Surface Re-contouring

Existing facilities and structures will be demolished and removed from the mill site. Existing foundations below the surface level will be broken up and buried in place. Existing material piles with reclamation properties (e.g. limestone fines, lime spoils, etc.) will be utilized within the Facility. Excavated areas will be backfilled with stockpiled subsurface materials only; topsoil will not be placed as backfill. Subsurface soils will then be contoured (graded) to match original slopes as closely as practicable, with no slopes exceeding 3H:1V.

#### 1.5.2 Seedbed Preparation

Areas of compacted subsoils and limestone fines will be ripped to a depth of 12 inches, followed by disking to a depth of 6 inches before placement of topsoil. The topsoil layer at the mill site is relatively thin and stockpiled quantities are limited; therefore, approximately 4 inches of stockpiled topsoil will be placed evenly over the re-graded

P = Proposed timeframe for completion of phase

subsurface soils. The surface will then be tine- or chain-harrowed to break up any soil clumps, smooth the surface grade, and prepare the soil for seeding.

No soil amendments or fertilizers will be applied to reclamation areas. The MMD does not support the use of chemical fertilizers in reclaimed areas, as they generally promote the growth of weedy annual species that may suppress the establishment of native perennial species.

#### 1.5.3 Seeding

Seed will be sowed across the mill site reclamation areas using broadcast seeding methods. Hydroseeding is not recommended for native seed due to poor seed-soil contact percentage and the tendency of the seed to self-sort by weight and size; therefore, resulting in uneven distribution during application. The seed will be applied using a "cyclone" hand seeder or similar broadcast seeder. Seed will then be raked-in so that it is planted approximately one-half inch below the surface. The recommended seed mix and seeding rate is provided in Table 1-2.

Table 1-2: Reclamation Seed Mix and Application Rate

Botanical Name	Common Name	Grass/Shrub/Forb	PLS Rate (Pounds Per Acre)
Hilaria berlangeri	Curly Mesquitegrass	Grass	1
Sporobolus Airoides	Alkali Sacaton	Grass	2
Aristida purpurea	Purple Threeawn	Grass	3
Baileya multiradiata	Desert Marigold	Forb	1
Bouteloua curtipendula	Sideoats Grama	Grass	6
Leptochloa Dubis	Green Sprangletop	Grass	3
Bouteloua gracilis	Blue Grama	Grass	4
Setaria Vulpiseta	Plains Bristlegrass	Grass	1
Sphaeralcea ambigua	Desert Globemallow	Shrub	1
Sporobolus cryptandrus	Sand Dropseed	Grass	1

Any seed mixture used in reclamation or erosion control activities will be certified weedfree, with no primary or secondary noxious weeds in the seed mixture. Documentation from each type of seed will be retained and made available to the USFS staff for inspection during seeding activities.

Seeding will be repeated if a satisfactory stand has not established as determined by the USFS's authorized officer following evaluation after the second growing season, or as determined by the MMD representative for release of the FA bond.

#### 1.5.4 Mulching

The addition of mulch benefits the seeding effort by reducing evaporation of soil moisture, reducing wind desiccation, limiting soil erosion, insulating the surface from temperature extremes, and increasing the infiltration rate of precipitation by protecting

the soil surface from surface sealing. It may further aid revegetation by trapping windblown seeds and soil.

Straw mulch will be applied by hand broadcasting or blowing to a uniform depth of approximately 2 to 3 inches. When applied properly, approximately 20 to 40 percent of the original ground surface can be seen. Only certified weed-free straw will be used for mulching.

#### 1.5.5 Reclamation Protection

During and following all reclamation activities, LNA will monitor and protect the landscape to help ensure reclamation is successful. Earthen berms will be created at access roads leading to the reclaimed areas to prevent vehicle traffic from entering. Success of reclamation activities will be evaluated during routine inspections as required by Section 9.D of the Permit.

#### 1.6 Final Reclamation of Haul Roads

LNA has identified roads within and near the mill site that are no longer needed and will prepare them for final reclamation. These are identified in Figure 3 of Appendix A. Haul roads will be ripped to a minimum depth of 12 inches. After ripping, water bars will be installed using natural materials. The haul road alignments will then be harrowed using a tine- or chain-harrow to break up any soil clumps, smooth the surface grade, and prepare the soil for seeding.

Seed and mulch will be applied as directed for Reclamation Activities (see Sections 1.5.3, Seeding and 1.5.4 Mulching).

Following seeding and mulching of the haul roads, an earthen barricade will be constructed from the main haul road to deter future vehicle access to the reclaimed mill site.

Invasive and noxious species control requirements as described below will be applicable to reclamation of all haul roads in addition to all reclaimed mining areas.

#### 1.7 Invasive/Noxious Species Control

The USFS has implemented guidelines for the management of invasive species, including the development of weed management plans. One objective of these programs is to detect invasive plant species populations, prevent the spread of new invasive populations, manage existing populations using the tools of integrated weed management, and eradicate invasive populations using the safest environmental methods available. Preventing the introduction of noxious weeds into an area is the most effective and economical means of weed control and management.

A list of invasive, non-native plant species of concern and the New Mexico Noxious Weed List are provided in Appendix C.

LNA will take all reasonable precautions to prevent the introduction, establishment, and spread of noxious weeds on lands covered by this project and on adjacent lands. Noxious weed treatment and control will be done as necessary to promote revegetation with native plants and prevent the spread of noxious weeds. Prevention methods will be implemented during and after reclamation activities of the mill site to reduce the spread of noxious weeds or the invasion of disturbed areas by undesirable plant species. These prevention methods include:

- Removing mud, dirt, and plant parts from off-road equipment used at other projects before moving them into the mill site
- Using defined and established travel routes to minimize soil disturbance
- Using weed-free seed and mulch to protect establishing vegetation

The mine operator will be responsible for weed identification and control on disturbed and reclaimed areas within the limits of the mill site and associated roads. The mine operator is responsible for consultation with the USFS and/or local authorities for acceptable weed control methods. During reclamation activities, any noxious or invasive species observed within the mill site area will be treated in a manner consistent with the USFS standards.

Use of pesticides and herbicides will comply with applicable federal/state laws. Prior to the use of pesticides or herbicides, the mine operator will obtain from the USFS written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary. Emergency use of pesticides or herbicides will be approved in writing by the USFS prior to use.

#### 1.8 Revegetation Monitoring

Revegetation monitoring will occur throughput the bonding period.

#### 1.8.1 Vegetation Reference Area

The Vegetation Reference Area will be used as a standard of comparison for determining revegetation success for perennial vegetation cover. The Vegetation Reference Area is identified in Figure 3 of Appendix A and consists of a 1-acre area that has not been disturbed during operations. It is located immediately south east of the mill site and contains established native vegetation cover equivalent to the undisturbed areas of the mill site. Upon final approval of the location by the MMD, the Vegetation Reference Area will be staked to designate the area.

#### 1.8.2 Methodology and Success Criteria

Reclamation revegetation monitoring will be completed using the Line Interception methodology for cover. Data gathered from the Vegetation Reference Area will constitute the basis of performance standards for determining reclamation success. Revegetation monitoring locations, methods, and success criteria will be approved by the MMD prior to monitoring commencement.

#### 1.8.2.1 Line Interception (Overall Vegetation)

Vegetation cover monitoring will be conducted by Line Interception, a vegetation monitoring technique used to determine the vegetative cover in sparse, low-growing vegetation. The data obtained from Line Interception within an area of ongoing reclamation will be compared to vegetative cover in a pre-designated reference area (the Vegetation Reference Area).

Line Interception consists of determining the percent cover by summing the relative lengths of a transect that is covered, including vegetation, litter, rock, and bare ground. Transects will be randomly placed within the reclamation area and are expected to be 10 to 100m in length. Points along each transect may be located randomly or systematically at one or half-meter intervals. Total vegetation cover is determined by the first interception or hit (i.e., vegetation, rock, litter, etc.). Each transect with a minimum of 50 sample points is counted as one sampling unit. A minimum of 15 transects will be included within the reclamation area.

#### 1.8.2.2 Success Criteria

Revegetation success criteria is based on professional judgment of reasonable expectations for revegetation on the southern edge of the Gila National Forest over the course of a 12-year FA bonding period. Success criteria may be revised by the USFS or the MMD based on agency-specific requirements.

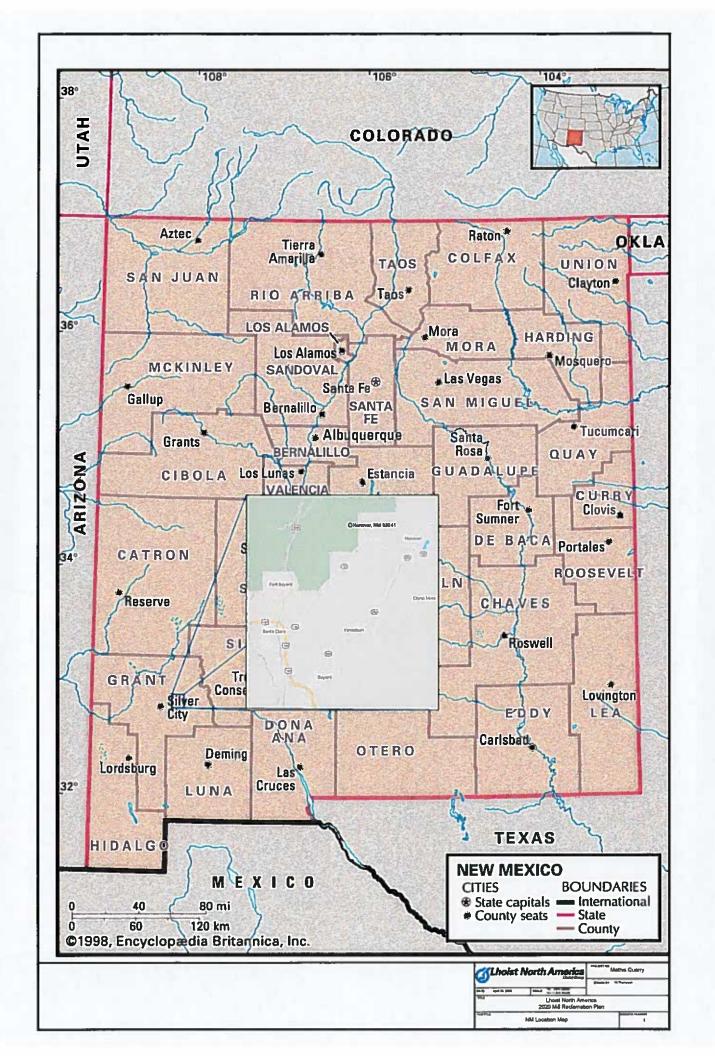
Vegetation cover at the mill site will be considered successfully attained if the reclamation area equals at least 75% percent of the vegetation cover in the Vegetation Reference Area and invasive species percent cover does not exceed that of the Vegetation Reference Area.

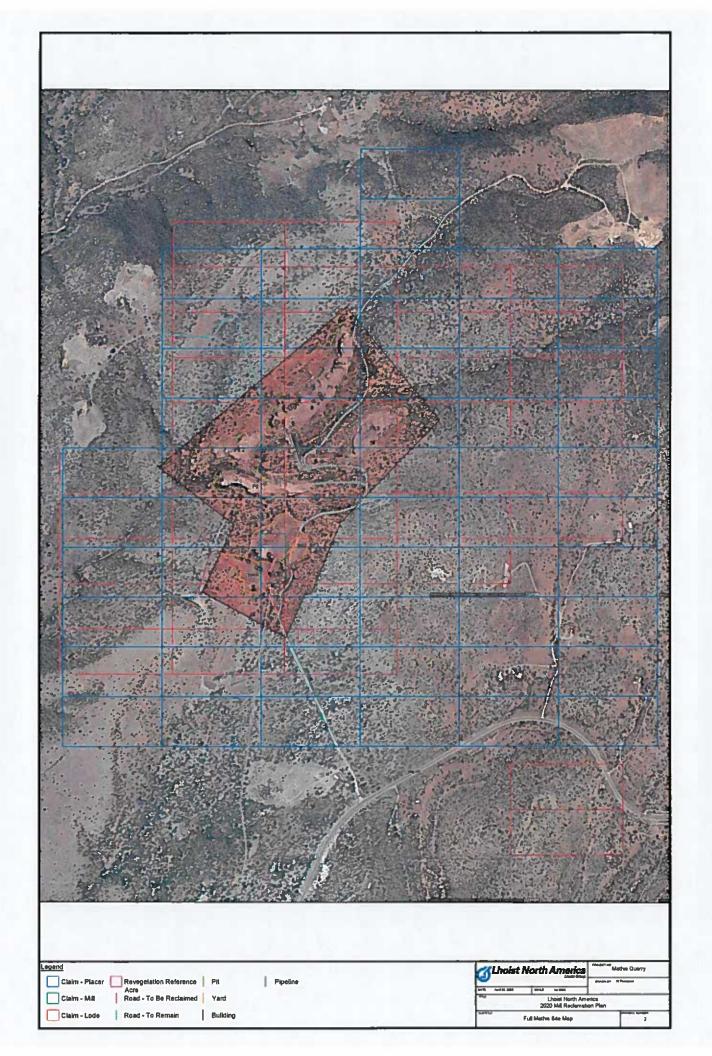
Shrub cover/density per acre will be considered successfully attained if the reclaimed area shrub density per acre equals at least 35 percent of the shrub density of the Vegetation Reference Area.

#### 1.8.3 Bond Release

Once the FA bond period is attained and the vegetative success criteria standards are met, LNA will prepare and submit a letter requesting the BLM and MMD release LNA from financial responsibility for the mining area. MMD requires a minimum 12-year period after reclamation for withholding release of FA for third-party revegetation costs.

# APPENDIX A FACILITY MAPS







# APPENDIX B RECLAMATION COST ESTIMATE

Enter Data Below in Green and Blue Spaces

#### STANDARDIZED RECLAMATION COST ESTIMATOR

Version 1.4.1 Build 017b (Revised 16 May 2019)

Approved for use in Nevada, August 1, 2012

COST DATA FILE INFORMATI	ON	
File Name:	200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm	
Cost Data File:	SRCE_Cost_Data_File_1_12_Std_2019.xlsm	000000000000000000000000000000000000000
Cost Data Date:	August 1, 2019	
Cost Data Basis:	User Data Cost Units: Imperial	
Author/Source:	Nevada Division of Environmental Protection (NDEP) & NV BLM	
PROJECT INFORMATION		25/2002/2002/2002
Property/Mine Name:	Lhoist North America of AZ Inc Property Code:	C
Project Name:	Mathis Quarry	
Date of Submittal:	April 30, 2020 Average Altitude: 6500	ft.
Select One:	Notice or Sm Exploration Plan	peration
Select One:	Private Land Public or Public/Private	
Cost Estimate Type:	Surety	
Cost Basis Category:	Northern Nevada	
Cost Basis Description:	Churchill, Douglas, Elko, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, War Pine Countles	shoe, and White

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#### **Closure Cost Estimate Cost Summary**

Project Name: Mathis Quarry
Project Date: April 30, 2020
Model Version: Version 1.4.1
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

A. Earthwork/Recontouring	Labor (1)	Equipment (2)	Materials	Total
Exploration	\$0	\$0	\$0	- Charles
Exploration Roads & Drill Pads	\$0 \$756	\$0 \$1,912	\$0 \$0	\$2,
Roads Well Abandonment	\$0	\$1,812	\$0	34,
Pts	\$0	\$0	N/A	
Quarries & Borrow Areas	\$0	\$0	\$0	YES ALTER OTHER
Underground Openings	\$0	\$0	\$0	
Process Ponds	\$0	\$0	\$0	
Heaps	\$0	\$0	\$0	THE PROPERTY OF THE
Waste Rock Dumps	\$0	\$0	\$0	
Landfills	\$0	\$0	\$0	
Talings	\$0 \$1,344	\$0 \$3,543	\$0 \$0	\$4,
Foundation & Buildings Areas Yards, Etc.	\$6,107	\$15,249	\$0	\$21.
Drainage & Sediment Control	\$0,107	\$0	\$0	CTO-COMMITTED AND
Generic Material Hauling	\$2,058	\$5,061	\$0	\$7.
Other User Costs (from Other User sheet)	\$0	\$0	\$0	
Other**			100	The state of the s
ubtotal	\$10,265	\$25,785	\$0	\$36
	1 40			
Mob/Demob if included in Other User sheet Mob/Demob	\$0	\$0 \$14,307	\$0	\$14
Subtotal "A"	\$10,265	\$40,072	\$0	\$50,:
Subtotal A	\$10,203	\$40,072	40	400,
. Revegetation/Stabilization	Labor (1)	Equipment (2)	Materials	Total
Exploration	\$0	\$0	\$0	ARCHITECTURE CONTRACTOR
Exploration Roads & Drill Pads	\$0	\$0	\$0	
Roads	\$200	\$76	\$1,088	\$1
Well Abandonment		- 44		and the second
Pits	\$0	\$0	\$0 \$0	
Quarries & Borrow Areas	\$0	\$0	30	St. American Lancas
Underground Openings Process Ponds	\$0	\$0	\$0	
Heaps	\$0	\$0	\$0	
Vaste Rock Dumps	\$0	\$0	\$0	eddur imitros entros
andfills	\$0	\$0	\$0	CONTRACTOR PARTY
alings	\$0	\$0	\$0	grad 200.2ml (0.2ml)
oundation & Buildings Areas	\$800	\$228	\$624	\$1
Yards, Elc.	\$1,524	\$579	\$15,653	\$17
Drainage & Sediment Control	\$0	\$0	\$0	
Generic Material Hauling	\$300	\$114	\$312	MONTH STREET
Other User Costs (from Other User sheet)	20	\$0	\$0	
	\$0	30	#0	THE PARTY OF THE P
Other**	21		100	
	\$2,624	\$997	\$17,677	\$21,
Officit* Subtotal "B"	\$2,624	\$997	100	\$21, Total
Other** Subtotal "8" Detoxification/Water Treatment/Disposal of Wastes**	21		\$17,677	
Other** Subtotal "B"  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge	\$2,624	\$997	\$17,677	
Other** Subtotal *8*  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps	\$2,624	\$997	\$17,677	
Diter** Subtotal *8*  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Landill)	\$2,624	\$997	\$17,677	
Other** Subtotal "B"  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge Reaps Dumps (Waste & Landfil) Fallings	\$2,624	\$997	\$17,677	
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Landil) alings Surplus Water Disposal Aonitoring	\$2,624	\$997	\$17,677	
Other**  Subtotal **8*  Detoxification/Water Treatment/Disposal of Wastes**  Process Ponds/Sludge leaps  Dumps (Waste & Landfil) rallings  Surplus Water Disposal Monitoring  Associlaneous	\$2,624 Labor (1)	\$997 Equipment <sup>(2)</sup>	\$17,677 Materials	
Other**  Subtotal "8"  Detoxification/Water Treatment/Disposal of Wastes**  Process Ponds/Sludge Heaps Dumps (Waste & Landfil) Fallings Surplus Water Disposal Montroling Miscellaneous Bold Waste - On Site	\$2,624	\$997	\$17,677	Total
Other**  Subtotal "B"  Detoxification/Water Treatment/Disposal of Wastes**  Process Ponds/Sludge leaps Dumps (Waste & Landfil) allings Surplus Water Disposal Monitoring Miscellaneous Solid Waste - On Site Solid Waste - Off Site	\$2,624 Labor (1)	\$997 Equipment <sup>(2)</sup>	\$17,677 Materials	Total
Other**  Subtotal "8"  Detoxification/Water Treatment/Disposal of Wastes**  Process Ponds/Sludge leaps  Dumps (Waste & Landfil) ralings Surplus Water Disposal Monitoring Viscellaneous Solid Waste - On Site Bold Waste - Off Site leazerdous Materials	\$2,624 Labor <sup>(1)</sup>	\$997 Equipment <sup>(2)</sup>	\$17,677 Materials	Total
Other**  Subtotal "8"  Detoxification/Water Treatment/Disposal of Wastes**  Process Ponds/Sludge leaps Dumps (Waste & Landfil) railings Surplus Water Disposal Monitoring Miscellaneous Solid Waste - On Site Solid Waste - Of Site Hazardous Materials Hydrocarbon Contaminated Solis	\$2,624 Labor (1)	\$997 Equipment <sup>(2)</sup>	\$17,677 Materials N/A	Total
Other**  Subtotal "B"  Detoxification/Water Treatment/Disposal of Wastes**  Process Ponds/Sludge Heaps Dumps (Waste & Landil) Fallings Surplus Water Disposal Monitoring Miscellaneous Bold Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Soils Dither User Costs (from Other User sheet)	\$2,624 Labor <sup>(1)</sup>	\$997 Equipment <sup>(2)</sup>	\$17,677 Materials	
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Lendili) Falings Surplus Water Disposal Monitoring Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Soils Dither User Costs (from Other User sheet)	\$2,624 Labor (1)	\$997 Equipment <sup>(2)</sup>	\$17,677 Materials N/A	Total
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Other** Subtotal *B*  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leags Dumps (Waste & Landfil) allings Surplus Water Disposal Aonitoring Aiscellaneous Sold Waste - Orf Site lazardous Materials Hydrocarbon Contaminated Soils Dither User Costs (from Other User sheet) Dither* Subtotal *C*  Structure, Equipment and Facility Removal, and Misc. Sundament Removal	\$2,624 Labor <sup>(1)</sup> \$0 \$0 \$1 \$49,442 \$0 \$0	\$997 Equipment (2)  \$0  \$0  \$0  Equipment (2)  \$8,759  \$0  \$0	\$17,677  Materials  N/A  \$0  \$0  \$0  Materials  \$0	Total \$
Other** Subtotal *B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Landfil) allings implies Water Disposal donitoring Riscellaneous lood Waste - On Site leaterdous Materials lydrocarbon Contaminated Soils Dither User Costs (from Other User sheet) Dither*  Subtotal *C**  Structure, Equipment and Facility Removal, and Misc. Coundation & Buildings Areas Dither Demoition Guipment Removal ence Removal	\$2,624 Labor (1)  \$0  \$0  \$1  \$49,442 \$50 \$50 \$50	\$997 Equipment (2)  \$0  \$0  \$0  \$0  Equipment (2)  \$0  \$0  \$0  \$0	\$17,677  Materials  N/A  \$0  \$0  \$0  Materials  \$0  \$0  \$0  \$0  Materials	Total  S Total
Other** Subtotal *B*  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Landfil) allings Surplus Water Disposal Monitoring Riscellaneous Sold Waste - On Site Sold Waste - On Site Sold Waste - Off Site Slazardous Materials Sydrocarbon Contaminated Soils Sither User Costs (from Other User sheet) Other**  Subtotal *C*  Structure, Equipment and Facility Removal, and Misc. Soundation & Buildings Areas Other Demolition Squipment Removal Sence Removal Sence Removal Sence Removal Sence Removal Sence Installation	\$2,624   Labor (1)   \$0   \$0   \$0   \$0   \$0   \$0   \$0   \$	\$997 Equipment (2)  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$17,677  Materials  N/A  \$0 \$0 \$0  Materials  \$0 \$0 \$0	Total \$
Other** Subtotal *B*  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sudge leaps Jumps (Waste & Landfil) allings Surplus Water Disposal Annitoring Associaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Soils Dither User Costs (from Other User sheet) Ditter** Subtotal **C**  Structure, Equipment and Facility Removal, and Misc. Sundation & Buildings Areas Ditter Denoition Equipment Removal ance Removal ance Removal ance Installation Sulvert Removal	\$2,624 Labor (1)  \$0  \$0  \$1  \$49,442 \$50 \$50 \$50	\$997 Equipment (2)  \$0  \$0  \$0  \$0  \$0  Equipment (2)  \$0,759  \$0,50  \$0,50  \$0,50  \$0,50	\$17,677  Materials  N/A  \$0  \$0  \$0  \$0  Materials  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	Total \$
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Siudge leaps Dumps (Waste & Landfil) ratings Surplus Water Disposal Jointoring Julianeous Solid Waste - On Site Solid Waste - Off Site lazardous Materials Hydrocarbon Contaminated Soils Dither User Costs (from Other User sheet) Dither*  Subtotal **C**  Structure, Equipment and Facility Removal, and Misc. Journation & Buildings Areas Dither Demoition Iguipment Removal Jones Removal	\$2,624 Labor <sup>(1)</sup> \$0 \$0 \$1 \$49,442 \$0 \$0 \$0	\$997 Equipment (2)  \$0  \$0  \$0  \$0  \$0  Equipment (2)  \$0,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$17,677  Materials  N/A  \$0  \$0  \$0  Materials  \$0  \$0  N/A	Total \$
Other**	\$2,624 Labor (1) \$0 \$0 \$1 \$49,442 \$0 \$0 \$0 \$0	\$997 Equipment (2)  \$0  \$0  \$0  \$0  \$0  Equipment (2)  \$0,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$17,677  Materials  N/A  \$0  \$0  \$0  Materials  \$0  \$0  N/A	Total S
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Landfil) ralings Surplus Water Disposal Monitoring Wiscellaneous Solid Waste - On Site Solid Waste - On Site 1 Azardous Materials 1 ydrocarbon Contaminated Soils Diter User Costs (from Other User sheet) Deter**  Subtotal **C**  Structure, Equipment and Facility Removal, and Misc. Foundation & Buildings Areas Diter Demolsion Equipment Removal Ence Removal Fonce Installation Univert Removal Powerline Removal Powerline Removal Powerline Removal Powerline Removal Powerline Removal Powerline Removal	\$2,624    Labor (1)   \$0   \$0   \$0   \$0   \$0   \$0   \$0   \$	\$997  Equipment (2)  \$0  \$0  \$0  Equipment (2)  \$8,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0	\$17,677  Materials  N/A  \$0  \$0  \$0  Materials  \$0  \$0  N/A  N/A  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	Total \$
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Siudge leaps Dumps (Waste & Landfil) ratings Surplus Water Disposal donitoring discellaneous Solid Waste - On Site Solid Waste - Off Site lazardous Materials hydrocarbon Contaminated Soils Dither User Costs (from Other User sheet) Dither*  Subtotal **C** Structure, Equipment and Facility Removal, and Misc. oundation & Buildings Areas Dither Demoition Iquipment Removal ence Removal ence Installation Univert Removal Des Removal Transformer Removal	\$2,624  Labor (1)  \$0  \$0  \$10  \$49,442  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$997 Equipment (2)  \$0  \$0  \$0  \$0  Equipment (2)  \$0,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$17,677  Materials  N/A  \$0 \$0 \$0  \$0  NA  N/A  \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Total  State of the state of th
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Siudge leaps Dumps (Waste & Landfil) ralings Surplus Water Disposal Monitoring Wiscellaneous Solid Waste - On Site Solid Waste - On Site 1-azardous Materials 1-ydrocarbon Contaminated Soils Other User Costs (from Other User sheet) Deter**  Subtotal **C**  Structure, Equipment and Facility Removal, and Misc. Foundation & Buildings Areas Other Demolsion Equipment Removal Fance Removal Fonce Removal Powerline Removal	\$2,624    Labor (1)   \$0   \$0   \$0   \$0   \$0   \$0   \$0   \$	\$997  Equipment (2)  \$0  \$0  \$0  Equipment (2)  \$8,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0	\$17,677  Materials  N/A  \$0  \$0  \$0  Materials  \$0  \$0  N/A  N/A  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	Total \$
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Landfil) Fallings Surplus Water Disposal Monitoring Miscellaneous Solid Waste - On Site Solid Waste - On Site Solid Waste - Off Site Inzardous Materials Hydrocarbon Contaminated Soils Other User Costs (from Other User sheet) Other**  Subtotal **C**  Structure, Equipment and Facility Removal, and Misc. Foundation & Buildings Areas Other Benoval Fance Installation Culvert Removal Powerline Removal Powerline Removal Powerline Removal Rip-rap, rock lining, gabions Other Wisc. Costs Other User Costs (from Other User sheet) Other**	\$2,624    Labor (1)	\$997 Equipment (2)  \$0  \$0  \$0  \$0  \$0  Equipment (2)  \$8,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$17,677  Materials  N/A  \$0  \$0  \$0  \$0  \$0  Materials  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	Total  \$ Total  \$ 55
Other** Subtotal **8*  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sudge leaps Dumps (Waste & Landfil) ratings Surplus Water Disposal Monitoring Miscellaneous Solid Waste - On Site Solid Waste - Off Site 1azardous Materials 1ydrocarbon Contaminated Soils Dither User Costs (from Other User sheet) Dither**  Subtotal **C**  Structure, Equipment and Facility Removal, and Misc. Foundation & Buildings Areas Dither Demolston Guipment Removal Fance Removal Fonce Removal Fonce Installation Univert Removal Fowerline Removal Fowerline Removal Fowerline Removal Former Former Removal Former Former Removal Former Former Removal Former Former Former Removal Former For	\$2,624  Labor (1)  \$0  \$0  \$0  \$10  \$49,442  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$997 Equipment (2)  \$0  \$0  \$0  \$0  \$0  Equipment (2)  \$0,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$17,677  Materials  N/A  \$0 \$0 \$0  \$0  NA  N/A  \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Total  STOtal  S54
Other** Subtotal **B**  Detoxification/Water Treatment/Disposal of Wastes** Process Ponds/Sludge leaps Dumps (Waste & Landili) allings Surplus Water Disposal Monitoring Miscellaneous Solid Waste - On Site Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Solis Dither User Costs (from Other User sheet) Dither** Subtotal **C**  Structure, Equipment and Facility Removal, and Misc. Supposed on the Buildings Areas Dither Description Supposed on the Buildings Areas Dither Buildings Areas Dither Removal ance Removal Powerline Removal Powerline Removal	\$2,624    Labor (1)	\$997 Equipment (2)  \$0  \$0  \$0  \$0  \$0  Equipment (2)  \$8,759  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	\$17,677  Materials  N/A  \$0  \$0  \$0  \$0  \$0  Materials  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$	Total  Solution State St

#### **Closure Cost Estimate Cost Summary**

**Project Name: Mathis Quarry** Project Date: April 30, 2020 Model Version: Version 1.4.1

File Name: 200423 LNA MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Subtotal "E"	\$22,540	\$2,963	\$1,189	\$26,692
F. Construction Management & Support	Labor	Equipment (2)	Materials	Total
Construction Management	\$16,000	\$3,054	N/A	\$19,054
Construction Support	\$0	\$432	\$0	\$432
Road Maintenance	\$13,382	\$20,637	\$60,000	\$94,019
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**			0 = 1	\$0
Subtotal "F"	\$29,382	\$24,123	\$60,000	\$113,505
Subtotal Operational & Maintenance Costs	Labor (1)	Equipment (2)	Materials (3)	Total
Subtotal A through F	\$114,253	\$76,914	\$234,554	\$426,681

<sup>\*\*</sup> Other Operator supplied costs - additional documentation required.

Indirect Costs		Include?	Total
Engineering, Design and Construction (ED&C) Plan (7)			\$34,134
2. Contingency (8)			\$42,668
3. Insurance (9)	\$1,714	1 44	\$1,714
4. Performance Bond (10)			\$12,800
5. Contractor Profit (11)			\$42,668
6. Contract Administration (12)	-		\$42,668
7. Government Indirect Cost (13)			\$8,960
Subtotal Add-On Costs			\$185,612
Total Indirect Costs as % of Direct Cost			44%
GRAND TOTAL			\$612,293

		Cost Ranges	for Indirect Cost	Percentages	
	<=	CH	<=	>	
Engineering, Design and Construction (ED&C) Plan (7)	\$1,000,000	\$25,000,000	15593 1403 140	\$25,000,000	Small Plan
Variable Rate	8%	6%		4%	0%
	<=	¢II	<=	>	
2. Contingency (8)	\$500,000	\$5,000,000	\$50,000,000	\$50,000,000	Small Plan
Variable Rate	10%	8%	6%	4%	0%
3. Insurance (9)	1.5% of	labor costs			
4. Bond (10)	3.0% of	the O&M costs if O&M	costs are >\$100,000	mily Model Stocker	
5. Contractor Profit (11)	10% of	the O&M costs			
	<=	¢n .	<=	>	
6. Contract Administration (12)	\$1,000,000	\$25,000,000	SALLY TALLET AT	\$25,000,000	and the second
Variable Rate	10%	8%	VICTOR IN	6%	P.C. Language Co.
Government Indirect Cost (13)	21% of	contract administration	Mary Suggest		

#### **RECLAMATION COST ESTIMATION SUMMARY SHEET FOOTNOTES**

- Federal construction contracts require Davis-Bacon wage rates for contracts over \$2,000. Wage rate estimates may include base pay, payroll loading.
   The reclamation cost estimate must include the estimated plugging cost of at least one drill hole for each active drill rig in the project area. Where the
- 3. Miscellaneous items should be itemized on accompanying worksheets.
- Fluid management should be calculated only when mineral processing activities are involved. Fluid management represents the costs of maintaining proper
   Handling of hazardous materials includes the cost of decontaminating, neutralizing, disposing, treating and/or isolating all hazardous materials used, produced,
   Any mitigation measures required in the Plan of Operations must be included in the reclamation cost estimate. Mitigation may include measures to avoid,
- 7. Engineering, design and construction (ED&C) plans are often necessary to provide details on the reclamation needed to contract for the required work. To 8. A contingency cost is included in the reclamation cost estimation to cover unforeseen cost elements. Calculate the contingency cost as a percentage of the 9. Insurance premiums are calculated at 1.5% of the total labor costs. Enter the premium amount if liability insurance is not included in the itemized unit costs.
- 10. Federal construction contracts exceeding \$100,000 require both a performance and a payment bond (Miller Act, 40 USC 270et seq.). Each bond premium is
- 11. For Federal construction contracts, use 10% of estimated O&M cost for the contractor's profit.

  12. To estimate the contract administration cost, use 6 to 10% of the operational and maintenance (O&M) cost. Calculate the contract administration cost as a
- 13. Government indirect cost rate is 21% of the contract administration costs.

Page 2 of 2

#### Closure Cost Estimate Other User

Project Name: Matric Courry - Resizeration Plan
Date of Submittal: April 34, 3530
File Name: 2004-233\_LEA\_MatriceSC\_Version\_1\_4\_1\_617\_MYR.sines
Basical Versizers (\*\* Version 1.4.1
Cost Dists: User Date
Cost Dists: Size STREE\_Cost\_Data\_File\_1\_12\_Nind\_2819.slow
Cost Estimate Type: Surety
Cost Basic: Northwart Novembe

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ther Cost Hem	s Calculated Elementers	Annual Colonian										
	and the second second second second second		and the second of the	A repair			-					
777-0-1	The state of the s					P. and	Busel	Labor	Speroma			
	Description					Coptel	9-4	1944	Bad .		Send	
	(reprint)	CD Conth	Panding Type	Ground	i inte	6	C	Core	-	Cont Type	Cool	C
The U.S. Davis	DESCRIPTION OF		In Julia		-	BI WALL			_	E COLUMN	196 80	
						18,44	- 4	PI B	i R		\$1.00,000	

Note: Capital seed in terry sum-tile, and multimate by the querity's beganding a contract of the capital seed of the capital s

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Page 1 of 1

Great Service

Closure Cost Estimate Roads

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200433\_EAA\_MathisSRCE\_Version\_1\_4\_1\_017\_MVb.nism
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data: File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.zism
Cost Eats File: SRCE\_Cost\_Osta\_File\_1\_12\_Std\_2019.zism

Roads - Cost Summery	Committee or the Committee of the Commit			TOTAL COLLEGE
	Labor	Egulpment	Materials	Totals
Greding Costs	1 had a street of the \$40	Lateral Sections on the Contract of the Contra	seem NA cores	60
Cover Placement Cost	1818	\$1,462	- N/A	82.076
Ripping/Scartfying Cost	\$140	\$450	N/A	\$500
Subtotal Earthworks	\$754)	\$1,612	THE RESIDENCE OF THE PARTY OF	12,668
Revegetation Coef	\$2001		\$1,004	E1.564
TOTALS	1944		\$1,544	\$4,032

Road	Oads _ User input													
	Facility Description	, - , - ,				Physical (1)	HANDATORY			User O	vectides		Growth Media	
	Description (required)	ED Code	Туре	Underlying Ground Slope '% grade	Ungraded Slope JH 1V	Cut Slope degrees	Road Width	Rood Longth	Stope Replacement Persons	Regrade Volume (If asiculated alsouthers) by	(Naturbed Area (Nationalisted electrices) gone	Greeth Media Thickness in	Haul Clateres from Greeth Media Stockpile R	Stope from Read to Stockpile % grade
_t_	42071		Project Road -		12.6	1,0	21.0	1,206	- 6%		0.67	44	4,300	1%

- Notes:

  1. All Physical parameters must be input even if manual eventides for volume or area are used.

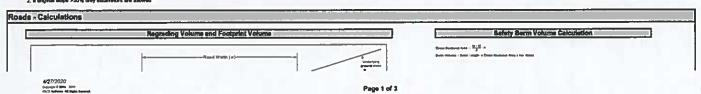
  2. If Stops from facility to borrow source is > 20, downfull travel time may be underestimated due to instation of upfull travel time curves and downfull speed lables from CAT Handbook (see Productivity Sheet).

  3. Secause the work required for building reads with a dozer is smaller to that required to regrade a road with a dozer, this sheet could be used to previous a roady extension controlled construction costs if a dozer is selected as the grading fleet.

Roads - User In	put (cont.)		1000	27/19/20/20/20		
		NAME OF TAXABLE PARTY.	Hati	Road Safety B	ettiis .	
	Description (required)	Borm Longth E	Born Height	Bose Width	Berm Bidesleps Angle JETV	Humber of Berns (2) (1 or 2 sides)
1 - 43075						

(2) Enter 1 if berm on only one side of road, 2 if both sides of road are bermed

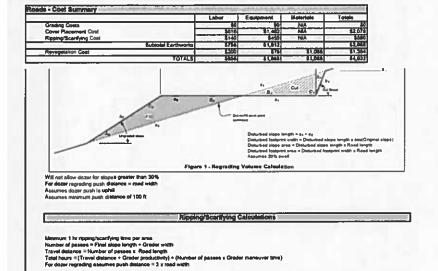
loads - User Input (cont.)		You must fill b	ALL green seds a	nd referent blue o	wile in this seel	on for each read						
	Annual Control	- Or	eding		San Property and	Growth Media	phonochorolog	400000		Revegetation		
Description (required)	Material Condition (color)	Material Type (select)	Regrading Equipment Flort (soled)			Cover Placement Equipment Float (select)		Bood Site (select)	Mulate (assisti)	Fortifiper (select)	Scarifying/ Ripping? (epict)	Ripping Floor
1 43979	0.8	LS erunined	Med Exervator		Topacd	Small Track		User Min 1	Straw Mulch	None	Yes	- Med Down
2 O At research for the Arms (reserves sentime to the first receive	STATE OF THE PARTY	LB - srushed -	Med Executor		I opeod	Renad Lnatk		Josef Mile 5	Street March	None	100	- Med Don



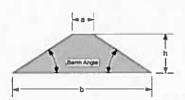
#### Closure Cost Estimate Roads

Project Name: Methic Guarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LMA\_MethiaSRCE\_Version\_1\_4\_1\_817\_NVb.xtem
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data: File : SRCE\_Cost\_Oste\_File\_1\_12\_Std\_2019.xtem
Cost East File : SRCE\_Cost\_Oste\_File\_1\_12\_Std\_2019.xtem
Cost Eastinste Type: Surety
Cost Eastinste Type: Surety

Minimum of 1 scre grow time per area



Revegetation Calculations



Total berm volume staubled if both sides of road are bermed.
If length of berm on each side of road is different, input total length of both berms and input 1 for number of sides.

loads - Regrading Costs				1487 H			
Description (required)	Regrading Volume CY	Recontouring Floor	Floot Productivity cyle	Total Float Hours	Total Labor Cost S	Total Equipment Cost 6	Total Regrader Cool S
1 64207M	0				\$0	\$0	1.0.
2 (91	0	[20]			40	11 mm - 12 6	
	to be a facility of the facili				1.01	64	

loads - Growth Media Costs					State of		-
Description (required)	Orwesh Media Volume	Grawth Hodia Replacement Floor	Floor Presidentivity	Number of Trustal Scrapors	Total Labor Cost	Total Equipment Cool	Total Gravith Hodis Cost

427/2020

Operate Size - Size

Page 2 of 3

Fine

#### Closure Cost Estimate Roads

Project Name: Methis Guerry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathieSRCE\_Version\_1\_4\_1\_017\_NVb\_siem
Model Version: Version 1.4.1
Cost Dats: User Data
Cost Dats: User Data
Cost Estimate Type: Surety
Cost Easis: Northern Neveda

	Labor	Equipment	Materials	Totals
Grading Costs	50	60	NA	
Cever Placement Cost	\$616	81,462	NA	82.0
Ripping/Scartiving Cost	\$140)	\$450	N/A	- 84
Subtotal Carthworlus	5754)	61,912		\$2.0
Revegetation Cost	1200	676	81,088	
(0)//4	3866	\$1,966	\$1,544	14,0

1 4207M	360	725088G/D7R   808   4   1	\$306	\$731 \$1,030
2 01	204	725/968G/D/R 478 4 1	\$308	\$731 \$1,030
	564		1919	\$1,462 \$2,676

loads - Scar	Hylng/Revegetation Costs							200-02				
	Description (required)	Total Surface Area agree	First Slope Longth E	Allegings Searthing Floor	Ripping Hours	Ripping Later Costs	Ripping Equipment Cost 6	Total Ripping Coots	Revegetation Labor Cost 3	Revogstation Equipment Cost 3	Revigetation Material Coel 3	Total Revogetation Cont S
1 4307M	91	0 87	23.0	Den		\$70	1225	\$296	\$100		\$604	
2 (8)		0.34	140	Delt		870	\$223	1.205	\$100	34	\$304	
		1.06		•	2	\$ 140	3440	\$690	6.200	676	\$1,048	81

4/27/2020

Page 3 of

Month

Closure Goet Estimate Haul Material

Project Name: Methia Quarry - Reclamation Plan
Dete of Submittal: April 30, 2020
File Manne: 2004.23\_LNA\_MatthiaSRCE\_Version\_1\_4\_1\_017\_MVs.xiom
Model Version: Version: 14.1
Cost Date: Meer Date
Cost Date: Illes RRCE\_Cost\_Date\_File\_1\_12\_Std\_2019.xiom
Cost Estimate Type: Surety Cost\_Basic: Northern Nevada

	Labor	Equipment	Materials	Totale
Heuting/Crush/Bersen/Compact	1424	63,1931	N/A	13 11
Cover Platement Cost	40		NUA	
Toront Passmert Cost	\$494	E3 1631	NA.	13 11
Ricong/Boartlying Cost	1210	5876	N/A	\$24
Subtate Continuent s	ELIGI	\$5,651	[4]	17,10
Revegetation Cost	1300	E1141	6312	377
TOTALSI	13,366	68,176	6313	17.84

alami be	Material Hauling - Upor Imput					Total Science Co.	-												
	Feetily Description	-		mounts Physics	ool	Section 19	lauled Mater		F-1-10-1-1-1	- Gr	asbing & Suresc	-		10000	Cover	4174	- m - 1 - m	Growth Hech	December.
1	Sonselption property	ID Gods	Type	5-t	=	Material Materia Response	from Server Server(1)	to Berry Seatt	Creek Betrokel	Barreri Daterial	Lorento Constant	10 to	Steps to N. gods	Come The last	to Comm	Biopes for Berrore 'S grade	Growth Medic Processors	Distança to Growth Material Streetges	Brope to Secretari
			(transpire)	1.04		- 21 -	- 3,040	-4.0-	- He-	- No -	- 64	-1	- 6.0				1-1	-400-	- 40

Notes

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	THE RESERVE TO SERVE THE PARTY OF THE PARTY	Pagelling	Material	-	-	Cover			Growth Ma				Nevegetation	100000000000000000000000000000000000000	
Overviellen Eventrell	Hand Material Types (securi)	Meaned Heading Floor Instanti	Bank Plant Stop (framtip granter) (sper permiss)	Compand After Present?	Coupe Managinal Type (cotors)	Fluid (used)	Manager Plant Dipo (upor parampla)	Metada Metada Typo (pport)	Covered March Equipment Plant Instant	Mantenam Flant Step Fator (potential)	11	Mulah Typa (popul	Fartilizar Type (speet)	Baardy/ Stp7; (mint)	Bearty: Ripping (
				The same					Smed Street					- Yes -	Med D

Notes

1. Material Types are usual for density correction based on material densities in Corepitor Performance Handlook, material statedly told

PROPERTY.	the contract of the same of th	ARTHUR STORMAN	-		Material Flau	lage .			AUTO CONTACTOR	STATE OF THE	Crush sod's	or Compact	000000000
	Complete (separal)	Meteorial Volume In Complex	Phul Material Values	Manufacture Handstope Flank	Plant Frankly	Number of Translati Surspans	Total Plans Hears	-11	Heading East	Country Countr	Company Ladari Company	Company Company Company	Landled Plant Cost
.1. per	NAME OF TAXABLE PARTY OF TAXABLE PARTY.	229	221	Opening N	4.75		1	\$256	1731	60	-	60	\$1.65
2.000	A THE PERSON NAMED IN COLUMN 1			Deservo m	475		S 1 5 000	\$200	\$731	80		0 10	11.00
3 1974		- 6	- 66	FOR SHARMOND PRO	475	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Ann	\$304	67510	100		60	\$1,00
		365	215				)	5604	62,160	94	-	AL N	83,11

Notes. Final Material Volume instaline adjustments for additional material having to departmenting plant (second on Lose to Creating/Sourcing report attraction).

Growth Mode   Number of   Total Plant   Enter   Productivity   Servatory   Number   Cont	Total Total Squipment Growth Ma
SCYAY 1	Cost Cost
469 4 1 5200	
456 4 1 \$306	

Generic Material Hauling - Scartlying/Revegetation Costs

427/2020 (mag-0.00 are

Page 1 of 2

#### Closure Cost Estimate Haul Material

Project Manm: Methia Guerry - Restermation Pten
Date of Submittal: April 39, 2029
File Name: 200423\_LNA\_MatchiasRCE\_Version\_1\_4\_1\_017\_MVa.siam
Bladel Version Version 1.4.1
Cost Dels: User Data
Cost Dels: File RRCE\_Cost\_Data\_File\_1\_12\_Skd\_3018.siam
Cost EastPoin RRCE\_Cost\_Data\_File\_1\_12\_Skd\_3018.siam
Cost EastPointals Type: Surety
Cost Blacks: Northern Nevede

The second secon	Labor	Equipment	Materials	Totale
Mauling/Crust/Serson/Compact	1494	13,110	N/A	
Cover Pleasment Cost	46	1/0	NA	
Topical Properties Color	1404	\$2,100	N/A	13
Popping/Soanlying Cost	\$250	\$474	Fill A	
Subtotal Cartinophy	E) AND	\$3,061	IAI	T)
Revegetation Cost	5300	1914	63/13/	
LOTAL I	11.00	34,170	1912	- 6

	Description (majored)	Total Burkes Area serve	Repaired Basedying Float	Base Pylongi Rippolog Claure Sep	Hi-	Baardyoup Risports Speciment Conf.	Total Sambjorgi Ripping Cont	Carlo	=	Respection Material Cost E	Total Recognition
1	RP1	0 10	D64		170	270	\$200	8100	36	\$164	134
- 2	sire	0.10	CIGA		670	\$725	\$266	\$100	\$36	\$104	(34)
	JAN .	8 15	524		876	228	8704	186	\$36	104	\$517
_		6.35			1 196	171	1863	1,360	1114	533	577.00

Page 2 of 2

Project Name: Minite Gueery - Replamation Plan
Date of Submitte: April 38, 3030
Pile Nerve: 2002.1,164\_ Mainte SPCE\_Version\_1\_4\_1\_817\_5VVh.siom
Model Version: Version 1.4.1
Coet Date: New Date
Coet Date: Pile: SPCE\_Coet\_Date\_File\_1\_15\_Std\_23918.siom
Coet Date: Pile: SPCE\_Coet\_Date\_File\_1\_15\_Std\_23918.siom
Coet Edition System Coet Bades: Northern Nevedda

	Labor	E-prisoner 1		Totals
Building Correction Copy	1.08	93,300	(QA	- A
Wed Duradium Cost	\$46,610	84 160	lesh	
State Committees	79.0	11.70	16/3	D
Bulantary Commentum	46.443	64,760	(4)	
Cover Preservant Cost,	E/A		- isk	
Grantin Mode Phonomers Cont	934	12:401	fg/A	H
Report Searthing Cost	1420	(F100)	- 19A	- 11
Subinity - gettermine	- 61,520	61,643	No.	14
Revegataries Coss	1900	\$336	1050	\$1
1004.5	113 211	112,000	CORNE	

						$\overline{}$				Physical									undation Cove		Bayragh L		
	Description (required)	El Caso	Type		Longer.	-		Dvs Hange		Ones Transposes			Negati Negati Negati	-   8	Area Larg	Pant Sant Sant Sant	and the last	Familiation Closer Thispingson	Contraction Contraction Contraction	Superhorn Facility to Suprana Area Capada	Organia Manda Thinkbrane In	Craterio Press Create Marks Standards	1
Mary 2			Property - Plant & St.	Military .	H	1		10				4		-		-	97				1	4.000 -	- 6
State 4			Promp : Part 6 P	Adam	- 10	440.0	-					4				-	41						*****
	White account a market may be a more than the second of th		Color Paradicion			1 - 0				- 4 -	1 -	•	- 6			1 6	A	-	in the second section of the second	THE PAYMENTS	Arrest A tours	4.00	
State 0		1	Color Fuebber		- 14	1	-	-	1000		-	1	500	- 0	M	1 0.			-		4	4 989 -	
Start T			Other Passition	O C		1 1		-			1	1	100		_3_	1 - 1	40					1-489-	HARMAN BY

Note:

1. Foundation over only politicated to point date. Clerksh made estimated over order hashed over

2. of These from hands to be twenty politicated to the control from the major produced due to behavior of up to be twenty and described from CAT Handbook (see Tradesing Shadle).

2. of These from hands to be twenty politicated to the control from the control

ildin	gs & Foundation - User Input (cont.)			You must RB i	nALL grow only			منت بره مسنت	habite or had	¥					2410	
cons		Conn	ruction literaries	Sinh D	omedition.		rendation Co	-	-	Growth Med	-			Acregalation		
	Doccription progetradi	Outside Types	Francisco Wed Type (wood)	Black Corres Marchael (name/)	Branking Replaced Post Insect	Gaver Manartal Type Inspect)		7-15-	Greens March Material Type (mater)	Committee in the state of the s	Stantonen Para diss para comissi	Gand tibe Stored?	deluté (Temps)	Fortillary increase)	Seartly She's	
ь	<b>4</b> )				and property.				Topogl	Bernet Fred		Joor May 1	The same of the sa	-	Yes	1440
E		-	Comp d'ai (10) mont d'étab	Break & bury	Interest	and the same of th	rection have		(			Just Mg 1	Street Statute		Yes	-
E								-	(apart)			Hear Mg 1		-	Van	
177			Case I by 7th case out			-			Topical			New Life 1	Street Hotels		Yes	1000

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g Many Many Contrastor Cast Data (2004) antakina state for forth stilling differenties		
Colorage state Statement and used thickness of fact beauti		
Amazonia Pari ad demonstra diales ana manifestradi Producencia for anno high Manago Manago Caracteristico Casti Data (2004) adjustrati for augustrasson		
(mid-record in Mass. Coats.) and Davin-Basen Wage Rates		
Durmalium poete de net trefude having er depeseng if detere. Use Waste Disperset resekte		
National Completes		
num i for accounted form for state destriction		
Const Values Calumbrida		
Cover Venden Consultation	And the second s	

42.22

### Closure Cost Estimate Foundations & Buildings

Project Name: Mathic Quarry - Residentifier Plan
Date of Submittal: April 33, 2020
The Name: 200421\_146\_Mathic SCE\_version\_t\_d\_1\_017\_HVVs.riom
Midded Version: Version 1.4.1
Coof Date: Vere Date
Coof Date: See Date
Coof Date: See Date
Coof Date: See Date
Coof Date: Name Name
Coof Date: Name Name
Coof Date: Name
Coof Date: Name
Coof Bathic Northern Navada

	Labor	-	-	Idah
Bullitry Develop Cost	13, 232	(2,80)	by/A	64.0
Wall Demelton Cost	546 610	14.166	N/A	141
Ship Donates	700	13 7404	leh	- 07
Businias Dominias	\$49.443	64,766	86	140
Core Personal Cost	665	LA LA	Na.	
Grands Made Plansmert Cost	1924	\$2.460J	WA	. 63.7
Report Searling Cost	1430	17 1667	Politi	11.27
(Lifete) privaria	\$1,344	17.40	10	4.00
Revegelation Com	1600	1270	Teles.	114
[0]/4/-	E41, 1666	115.550	febal.	861.64

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File you with a Pay the area is functional time discovering fractions of process of the area with a Contraction of the area with a Contraction of the area with a Contraction of passes as formation from the Contraction of passes as formation for the area of t

Minimum I gary rangalatan providing par gray

Page 2 of 3

#### Cioque Coel Estimale

Project Mema: Methic Guerry - Rectemation Pten
Date of Submitte: April 30, 2020
File Name: 20042\_1Ms\_Salahis SRCIE\_Version\_1\_6\_1\_817\_5FVs.siom
Neded Version: Version 1.4.1
Cost Date Time Data
Cost Date Time Data
Cost Date Time Selection Cost\_Data\_File\_1\_12\_6td\_2018.siom
Cost Batherian Type: Burely
Cost Salahis Northern Neveda

	Later	Engineer	Materials	Telefo
Burtiting Dismostram-Court	45,855	E2.50%	No.	15.6
Wall Develop Cost	* PE NO	H.190	Ash .	540.0
Bits Demotron	790	\$1718	No.	12.6
Bulliage Democracy	46.46	6,760	- 14	640,1
Cover Pleasanton Com.			64	
Granth Made Pleasment Cost	8604	E. 49	Red.	E5.91
Rigging/Sourhing Cost	1400	1 3600	465	1.0
Suine Estains	PCS54	ELAS.	- 10	- 54.0
Resignation Cost	\$600	Alies .	\$624	E1 40
10/41	161,500	\$15,600	\$454	804.6

liding & Foundation Demolition Costs 🔙			Uses III then	a Hong Comb	written Gent Per		عقادسة الدوغ	لندأشاهه إدمه د	na. Your CAT H	landhook for stob		ten.		14				-
	-						Bull	تحسما وست	NOR HEROLIES	commones W	d Demailited	-	100,000,000,000	Hab Dometic	40	-	Total Cooks	
Description (regular)	Paragram François International	Berling Steven	New Longe	(Rept Arms	State Damaillian Plant	-	Total Later Gent	Total Equipment Seed 8	Typed Syddylling Daniel State Corps		Tomi Squipment Sport	Tess Test Domestica: Cast 1	Total Lotar Cont	Total Equipment Seet	Total Blab Breaking Cost	Total Cont Cont	Total Equipment Goot S	Total Demokration Compts
India 1	5 700	7,000	190	1.100		- 1	11 010	81,480	\$2,600			L21.417				\$21, \$74	E) 424	
Sing 4	929	4 390	100	1 0/09	1493	12		1,003	82 BP		\$1,630							
	44	040	. 10	320	2450	1	110	100	1,710	E4, 700	1427	10.701	(140					1
2-1 1			39		1458	. 1		tić		175)	17	120	140		( test			
Street Contract Contr			12	1	9468		10	@		10	67	126	160		) k	376		
241	-1-5-	HE	42	138	5468	1	(3)	E36	100	(1.54	206	8.2 466		124	Later Control	£1 9H	1076	
		14 000					(4, 11)	63,550	64,665	546,640	54,566		874	11.5%	N CLOVE	\$46,462	\$4,760	_

PER C				_	Foundation (	THE STREET							- Sreuth	Marks significan	AND DESCRIPTION OF THE PERSON			ata Cove	r & Greath N	redia C
	Designations (Insequence))	-	Gaver Repeatements Flast	Float Frankelikity 1,017/19	Rumber of Translati Surspans	Tomas Plants Natura	Total Later Goot	Total Equipment Doot	Total Same Cont	Grand Made Volume	Quanti Study	Plant Productivity LCtris	Humber of Trusted Boragoro	Total Phost Hears	Tensi Later Cost	Total Residences Open	Total Grant Mades Goot	Toni Lucia Sant E	Total Squipmore Sant 2	7
State 2		1					N.	2 90	- 14	4 e	Pasionesidanh			1	\$506				170	
No. 4							N N	ot K		71	775/908CV07R	401	4	3	\$309	£130	81 039	1304	\$791	
4							160	10		3	400 (40)	-			80	10		10		-
							_ (6	10	14	X					10		10	100	100	_
							- 4	10		i		allia.			10	10	10		6	į
46								M	- 3/	4 4	Patricol Lett 1719	465	4		8356	) (T) (	6 63. ±12		\$7.77	

		-		- Date		1		Patric	natella e		specialist Lat	ul Boartly & F	lovegullen Co	oto
Descriptions (Integritation)	Plus Area	Stagengi Scortlying Flora	Surface Manager Man Ma	Reprinting Contract C	-Fiff	Cooks Cooks Cooks Cooks	Later Cort	Re-representation Experience Control	Responses Guard Coast	eni e	Yotel Labor Cant S	Yotal Exercises Cores	Yotel Helental Cool	Total Cools
Drie 1	8 10	Dell	_ 2 .	F70	8,226	5394	1100	E30	3104	136	\$159	£28N	0.04	Fitz
Then 4	8 10	Deri	-	170	1,225	129	1100	870	3104	8247	1170	1872	1104	\$150
Marin 6	8 10	CHA	-	\$70	274	1.79	1 470	130	\$104		8170			
Print P	0.10	Copil	1	170	8 22%	1,204	1100	1 1	\$104	6347	HFG			
	8 10	De4	,	176	22%	31	1100				8170			
Side 6	. 6 46 _	Dull	[	176		150				(343				
	0.40			123	E SEA	11,27.	1444	6,296	Mile	(1,46)	1 (820)	\$1,076	- Cities	13,72

47/23 10-12: 0

Page 2 of

Frankrisse & Sultings

### Closure Cost Estimate Yarda, Etc.

Project Name: Mathie Quairy - Reclamation Plan
Date of Submittel: April 39, 2020
File Name: 200423\_LNA\_SimbleSRCE\_Version\_1\_4\_1@17\_NVb\_slam
Model Version Version 1.A.1
Cost Date: User Date
Cost Date File SRCE\_Cost\_Date\_File\_1\_12\_Std\_2019.slam
Cost Eatimate Type: Surety
Cost Eatimate Type: Surety
Cost Easie: Northern Nevede

	(ador )	Equipment	Materials	Totalo
Regrading Cost	100	64	94/A	75.51
Cover Personnent Cost	60	(4)	64/A	
Greats Made Planarure Cost	64,221	112,183	96A	\$17.4
Regarg/Seartfying Cost	1430	\$7,864	digital,	13 8
Buttotal Earthwarts	64, (07)	\$16,340		121.3
Reveguiation Cost	\$1 6345	\$576	618-863	\$17.7
TOTALS	67.631	814,636	\$16,643	830.1

art	ds, Etc Voor Input				You must fill t	ALL groot as	die and paleons	d blue polls to th	la pastion for	each building	or facility	
-	Facility Description		SHEET STREET		Physical			Cover			Growth Hedde	
	Description property)	ID Codo	Турн	Area	Armited Armite	III.	Cover Titophanas	Drawer from Core Barren drag	Blaza fran Faddy le Sarres Aras N. posts	Greets Breks Theirens	Orenes from Growth Mode Standards	Steps have Funding to Stepshoots 's greate
п	The part of the part of the control of the control of the party of the control of	Secrettated - Miles	Yard	190 6.67	100.00	Market Street			-	-4-	4,300	0.0
╗	/will		Yang			-						1.0
7	Tun 1		Yang							-		
٦	Yard 4		The statement of the st		300	Second Laborator						- 6.0
7	FIRE & ALLEGA CONTROL OF THE PARTY OF THE PA	applicating phonetoy	Yard	2000 B.M. 10000	produce the second	9-51-70 SHOWN					- 6,665	- 44

Nation
1 All Physical personants must be made even if manual countries for volume in one are used
2 If its personant making in borrow source is 200, discrete fever between the manual data in Indiana at which sevel time during a borrow source is 200, discrete fever between the manual data in Indiana at which sevel time during a borrow source is 200, discrete fever between the manual data in Indiana, and the sevel time during the desired time for the manual desired time.

Yar	ds, Etc User Input (cont.)		You must 86 to A	LL groon code	and reference his	ue delle la this	position for our	in tulbing or I			100	100			
			Gendag			Cover		-	Down de Hand		-				-
	Douartellan (required)	Respecting Material Constitute (autor)	Regroding Motored Types (mass)	Republic Spatianis Plant (small)	Comp Meanwall Types (namet)	- C	Maximum Pleat Stee Large secretari	Consults  Made  Make  Type  (count)		Mantenge Plant Sign Spot Souright	Sand May Control	Mindale (springl)	Fartilgue (Indust)	Bearthyl Rigi? (secort)	Suppling Florid Control()
1	Yard 1	S.I	LD - greatery	Mary .				(Copposit	Street Treet		Vac las 1	THE RES	Barto	Yes	Mari Dager
2	Yest 2	6,0	LB - areahed	Marie Control				Topool	Smot Truck		Charlity 1	Strew Mades	Mara	Y=	Mad Dame
	Yard 2	- 6.0	O-product	Garage Control				(Tapasel)	Barrell Friedly		Moor May 1	Otron Mulati	Barre	Too	May Dear
	Yard 4	- M	LB - graphed -	(See)				Topical	Shread Treats		Moor tilm 1	Colores Harrison		Yee	Many Decem
. 5.	Yard E	4.0	A common and	-				Ecpools	Renal Public		Jaar May 1	Street Hades	Name .	Yes	Mad Door

Notes:

1 Moneral Types are used for density correction besud on motional densities in Coorpillar Performance Handbook material density table.

	Greeding Coloniations	
range jugh distance enquired to be 2/ morel ecoursed to be lesse electric (1 spe ecoursed to be 0 to 6% (1.0 produc		
	Cour Volume Colombia	-00- special 19
rd tree a never Published		
	Ripping/Reantying Calculations	22
at area weigh + Fifted that area + Average	s land dimensions	

427308 1 of 2 Nest, Be

#### Closure Coel Estimate Yards, Etc.

Project Name | Mathie Clearry - Reclamation Plan
Date of Submittal: April 30, 2010
File Name: 200423\_EMA\_Mathis@RCE\_Version\_1\_4\_1@17\_MVb\_blam
Badel Version: Version 1.4.1
Cost Date: User Date
Cost Date File: RRCE\_Cost\_Date\_File\_1\_12\_Bist\_2018.storn
Cost Estimate Type: Surety Cost B sale: Northern Neveds

		معطور	Equipment	Materiale	Totale
Regrading Cost		\$0	40	no flet co.	
Cover Pleasment Cost			90	P/A	60
Granth Media Placement Cost		BA2Pt	612,689	re Plate	117.024
Respiraçitionaritaria Cost		- v - 4636	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Perilip	\$2,657
	Bulantal Earnworks		E10,346		\$39,366
Figure and Cost		\$1 554	· · · · · · · · · · · · · · · · · · ·	\$26.6r.5	117.7 la
	TOTALS	1,431	814,436		\$30,112

	-	Navegolullan	and the second second	CONTRACTOR CONTRACTOR	ORDER DE LA CONTRACTION DEL CONTRACTION DE LA CO

reductivity = 1	State Printed billy & Brade Correc	den z Densily C	отрабол в Орег	rater (6.2%)	z Material z Y	بلا كا بالإيطارات	ib Efficiency	0.83) = (810	وتكون حادثون		Company of the Compan		-
	Secretary (report)	Regressing Volume 67	Ouring Distance (man adverse)	That's	Unparrented Descr Productivity spring	Grade Correction	Darry Manual	Develop Correction	Total Hourty Productionly cylly	Total Doose Heart	Yotal Laine Cant 3	Total Equipment Cont	Total Regress Contl 3
1 Front 1				DOR							- 64	10	
704 Z				Celt							- 42	10	
7-42				DIA								- 10	
Twel 5				(284							- R	\$0	
Yard 5				1346								345	

Yer	de, Etc Cover and Growth Media Coets	10000							25 55	0				- 10 - 10	150000		
-		****			Con	NF - The							Growth	Modia -			
	Description (regular)	Comm	Toport Represent Pres	Part Production of the last Inc.	Trusted Spragues	Total Plant Hours	Total Labor Cost	Total Equipment Cont 1	Total Cover Cost S	Corosrell Media Volume de	Growth Heals Piret	Plant Producting LCY/re	Toucher of Toucher Services	Total Plant Hears	Total Labor Cost	Total Equipment Codd 8	Total Coverto Medi Covert
	Yeard 5						10	\$0	61	3 603	Panesson R	409	-4		12 401		
7	Yard 2						80	\$40	1	642	PISARROO M	499	4	1.0	5300	\$731	
1	Franci 3						10	60		1 (00	P26/966/3/D/PN	469	4	* *	\$927	\$2.197	13 11
4	Yurd 4		100000000000000000000000000000000000000		1		\$0	\$40	64	9 9000	PZM/MMGUD FR	409	4	4	81 230		
4	Yerl S						100	10	- 4	441	72546HOLD IN	494		1	8346	\$301	
_							Li Li	- 10	6	6 176				17	54,271	\$12,663	\$17.5

Y	rds, Etc Scartfying/Revegetation C	oots	V									
	O-contraction (required)		Army Large Discoming	-	Baselying! Ripping House	Representation of the second o	Attenday Cont	Total Searthings Stanton Conta	Revenantina Later Cost	Resident Cost	Reguera Rateral Cont	Total Carl
-	Tord 1	6.67	726	DIA	- 6 -	\$340	\$1 123	61 471	1667	1253	\$6,006	67.02
	Yard 2	1 11	230	DM	1	\$70	\$226	6294	1111		\$1,349	\$ L.W
3	Yard 3	2 01	409	094	2	\$139	\$446	8500	6201	8107		3.2
4	Yang &	3.44	306	Den	3	\$200	1474	6443	\$365	\$156	\$3,779	
٦,	Yard \$	0.16	348	064		170	1,226	1,794	100	136	6911	\$1.04
_		15.13			12	1474	5.3,000	13,133	51,634	6076	\$16,443	\$17,75

Yes. Ex

Closure Cost Estimate **Waste Disposal** 

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xism
Cost Estimate Type: Surety
Cost Basis: Northern Nevada

Waste Disposal - Cost Summary	500000		1950307 - 55	171-1710
	Labor	Equipment	Fees	Totale
Solid Waste - On Ste	\$0	\$0	N/A	\$0
Solid Weste - Off Site			STATE OF THE STATE	\$960
Hezerdous Meterials	- 248 or 10 mm			\$0
Hydrocarbon Conteminated Soils	80	\$0	\$0	\$0
TOTALS	10	\$0	10	1000

Waste	Disposal - User Input - Solid Waste								
					17-	Line	fill (Bulk) Dis	posal	Dumpster
	Description (required)	ID Code	Waste Type (select)	Disposal Method (select)	Quantity	Distance to Landilli	Blops to Landfilt % grade	Humber of Trucks (user override)	Months Dumpster Rental months
- 1	Waste Disposel		Waste Mgmt & Disposal	Dumpeter	15				

Notes:

1. All Physical parameters must be input even if manual overrides for volume or area are used.

2. If Slope from facility to borrow source is >20, downhild travel time may be undersetimeted due to limitation of uphili travel time curves and downhild speed tables from CAT Handbook (see Productivity Sheet)

Waste Disposal - User Input - Hazardous N	aterials				131550			
Description (required)	ID Code	Waste Type (select)	Container Type (select)	Vacuum Truck Size	Liquid Quantity	Solid Quantity Cy	One Way Travel Distance to Disposal Site	One Way Travel Time to Disposal Site

Notes:
1 Use Other Demo & Equip Removal Sheet for tank removal

Waste Disposal - User Input - Hydrocarbon	Contaminated Solis	lanca company			
- VALUE OF					Travel Distance is
Description (required)	ID Code	Waste Type (nelect)	Disposal Method (select)	Quantity	Offsite Disposal

4/27/2020 Copyright © Stime 2000 BLCS Balleron, All Baglos Georges.

Weste Disposal Page 1 of 3

**Closure Cost Estimate Waste Disposal** 

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism

Model Version: Version 1.4.1

Cost Data: User Data

	Lebor	Equipment	Fons	Totals
Solid Waste - On See	\$0	\$0	N/A	\$1
Solid Weste - Off Site	F-000	2 Date   120	geoglisten dagen -	\$98
Hazardous Materials		And the Colonial Property Colonial Colonia Colonial Colonial Colonial Colon	- 10 - December 5	\$0
Hydrocarbon Contaminated Solls	\$0	\$0	\$0	\$0
	101416	90	40	\$04

1. Use Yards or Landfills Sheets for bioremediation facility reclamation

#### Waste Disposal - Assumptions & Calculations

#### Solid Waste Disposal

Off site disposal assumes use of average rolloff dumpster [30 cy (m3), 10 ton (tonne)]

On also disposal assumes use of small loader/fruck fleet for haudage
Average density for on site disposal = 2,000 bi/cy (1,540 kg/m3)

For on site disposal only 1 truck is required unless total truck hours > 8, only 2 trucks unless total truck hours are > 16

#### Hazardous Materials Disposal

Assumes all hazardous materials are known
Enter EITHER solid or liquid quentity each line.
If container type = 55 galon (200 libra) drum than solid waste hauling costs apply
Average density for solids essumed to be 2,600 b/cy(1,540 kg/m3)
Vacuum truck as labes ismall = 2,200 gal (~8,300 libras), large = 5,000 gal (~15,000 libras)
Vacuum truck on site for 4 hours for each load

#### Hydrocarbon Contaminated Solis Disposal

Assumes all hazardous materials are known

On site disposal assumes bioped treatment
Exavation productivity =45 by fir (35 mil/hr) (Means Heavy Construction, 2008: 02315-424-0380)

#### Waste Disposal - Solid Waste Disposal

22							- 6-2			
	Description (required)	Waste Volume Gy	Number of Off Site Dumpster Loads	Landfill Fleet Equipment	Landfill Fleat Productivity	Number of Trucks	Total Fiest Hours	Total Dumpeter Cost \$	Total Labor Cost	Total Equipment Cost 3
1	Weste Disposal	15	CONTRACTOR OF THE PARTY OF THE	O CONTRACTOR	1.500	CHRISTON	EN-MARCHARD	\$980	\$0	\$0

4/27/2020

Page 2 of 3 Weste Discosel

#### Closure Cost Estimate **Waste Disposal**

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb\_xism
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019\_xism
Cost Estimate Type: Surety
Cost Basis: Northern Nevada

	Labor	Equipment	Fees	Totals
Solid Wests - On Site	\$0)	\$0	N/A	\$0
Solid Wests - Off Site	United Street Street Street			3960
Hazardous Meteriels		dry classic super range to	34.6945-9576-95891 0	\$0
Hydrocarbon Contaminated Sollis	\$0	\$0	\$0	\$0
TOTALS	\$0	80)	80	\$960

15

Disposal - Hazardous Materials Dis	posal							
			P 190 4147	140 1	W-0.74 F-0.0			Total
Description	Liquid Waste	Solid Wasin	Mumber of Truck Loads	Tons of Waste	Pick-up Fees	Transport Fees	Disposal	Hazardous Material Cost
(required)	Volume gallone	Volume	Loads	Tons	3	\$	Fees	\$

te Disposal - Hydrocarbon Contaminated	Solis								
Description			Total Finet	Treatment	Transport	Disposal	Total Labor	Total Equipment	Total Waste Dispose
(required)	Quantily	Disposal Equipment Fleet	Hours	Cost 3	Fees	Fees	Cost	Coet \$	Cost \$

Page 3 of 3 Weste Disposal

\$960

## Closure Cost Estimate Monitoring

Project Name: Melikle Guarry - Reclemellon Plen
Date of Submittal: April 30, 2020
File Name: 2004.23\_LNA\_MelmineSRCE\_Version\_1\_4\_1\_917\_MYb\_size
Medial Version: Version 1.4.1
Cest Date: User Date
Cost Date File: SRCE\_Cost\_Date\_File\_1\_12\_Std\_2019.slom
Cost Eastimate Type: Surety
Cost Basks: Northern Neveds

Reclamation Monitoring & Maintenance - Co.	Bunnary		LATE	-
	Labor	Equipment	Materiale	Totale
terapidation Mantenance	1970	188	\$1.160	E140
Treason Maintenance	14	160	Turk .	
Seriameter Menturing	\$50.295	\$2,500	36.6	\$26.50
Subtolal Reclamation Maniforms	22.68	LI (ALS)	FL188	23E.64
Prater Guesty Mandorreg		- 10	100	
DANUT MON JATUT	ESTER	E1465	\$1,160	ESCE

Description	Total Revenience Surince Area (1,2)	S. Area Respecting	Seed title	Area Repairing Researching	Band	Name .	Equipment	Totals
	00700		depart)	99788	Dames	Bragnan.	Sparen	T
lavogolation Liainionance	17	WE	Moor Mts. 1	17	8806.42	\$100.00	\$36.00	
Leb Bausaren Matene Cont/Ac							Batantal	1
	Fotal Volume Growth Made	% Volume Requiring Materian	Arrespo Crewth Made Plantage Cost LCY	Votamo Respekting Replacement		(designer 29%) Starres	Equipment (mitselfrie 79%) Bransa	Total
realon Mainteance	Greath Made by 8.803		Create their	Repairing Replacement		(meanter 29%)	(moutro 79%)	Total
nelan Mainteeanoo Noo Neclamation Monitoring	Vehans Growth Made 8.800		Grounds Goods Planement Good S-CV 62.67	Requiring Replacement By	D. North Aug	(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	Total
Notes	Vehans Growth Made 8.800		Chromit Shade Pleasured Cost &CV	Requiring Replacement By		(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	Total
leclemetion Monitoring	Volume Growth Hada by 8.800	Regarding Maintannas	Greet field Planamet Cost SCV 82.87	Requesting Replacement by g	- TOO - TOO -	(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	Total
lectamation Monitoring	Wishman Greenth Made of the Control Made of th	Repaired Marrianness	Great their Research Code BCV 82.87	Requiring Replacement by State		(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	.1
Note learnetion Monitoring	Volume Growth Hada by 8.800	Regarding Maintannas	Greet field Planamet Cost SCV 82.87	Requesting Replacement by g		(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	.1
Note learned on Montroving	Weekman Greenth Maria From Control Maria  8.803	Repaired Marrianness	Constitution of BCV 8287	Replacement Of State Sta		(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	. 1
Note the second of the second	Weekman Greenth Maria From Control Maria  8.803	Repaired Marrianness	Great their Research Code BCV 82.87	Requiring Replacement by State	20050	(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	1
Monthbeling  Link Were so Compare rape Europe  Link Compare Rape Europe  Link	Weekman Greenth Maria From Control Maria From Control Fro	Repaired Marrianness	Constitution of BCV 8287	Replacement Of State Sta		(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	1
Note learnation Monitoring	Webman Crewth Made for the Manager of the Manager o	Repaired Marrianness	Constitution of BCV 8287	Replacement by g		(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	Tests 1
Monttoring  There are Compared agency of the Compared agency	Webman Webman Growth Mada Program Salati Sal	Regulting Microscome  Daywiff cor	Grunt timbs Plantanet Con BCV  \$2.57  Majukan of Vann  Truck	Rephasion of Gallerian of Galle		(debiatrie 29%) Sieuras	(mbufte 79%) Blassa	1

Tar 2

#### Closure Coet Estimate Monitoring

242

Project Name: Methia Guerry - Reclemention Pleas
Date of Submittibl: April 39, 2028
File Name: 200423\_LNA\_NiethieSRCE\_Versiom\_1\_4\_1\_817\_NVIx.xitem
Model Version: Version 1.4.1
Cost Date: Lies Date
Cost Date File SRCE\_Cost\_Date\_File\_1\_12\_Sid\_2018.xitem
Cost EasiFile SRCE\_Cost\_Date\_File\_1\_12\_Sid\_2018.xitem
Cost EasiEn Type: Surety
Cost Easie: Northern Nevada

Andersolan Henderby & Military and Co.	Labor	Equipment	Lob & Materials	Totala
Perspetation Mantenance	3171	\$46	E1 180	65,426
Erseven Marriananae	101	80	Pank	\$4
Restamption Mandonny	\$27 Jack	U 650	N/A	176.267
Bubrotal Recrementon Mandaring	12,660	13,645	E1,160)	13,40
Vision Quality Mendoring	16	501	531	84
TOTAL MONITORING	622,640	12,663	\$4,166)	\$10,000

Onsertation	Samples P	(I-varian/Vasor	No. Years	First Basepie Ventr since per (1-400)	No. of Samplers	Supulivers	Healthay	Analysia Cost Sources	Bapphes Browners	Lab Cost
	I Can account to their research	a market by the	MIN							
							-			_
***************************************										
				and the second	-	description of the last of the	-			
	Manufacture and the state of th	elling deline of the best in	Company of the last							A
The state of the s										
		-	-	National Association of the Control	Section Control Section Co.	New Panasanana	Street water browns			
	Same of the Section of	Deline delegance della	- Brown and and						2002	
								استخف		
							and the same of the			

Notes Sempling labor good 4 No. Sempline x Years x Events/sear x Corprivers x HouriCory x Cales Rates Barrights experiment costs Industr 1 product track for every two compliens

Countysian	the of sette		Years	Con
np (purphased)	(Carrier 1997)	Personal (yes)	100000	2011
			-	4 44044
e Replecement pened = free	werey of pure reseases	man)		
orting	And the State of the Local Division in which the			
Overelant	Hard growth	fighte 1/hr	Cont	
d Geologiel/Engineer				
		annua Reporting		
No	-			
	_			

4.27/2020 targe 0.04 30 metalan N. Ign lawar

Montre

#### **Closure Cost Estimate** Constr. Mgmt

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism
Model Version: Version 1.4.1

Model Version: version: .....
Cost Data: User Data
Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm
Cost Data File: Surety Cost Basis: Northern Nevada

Construction Management & Road Mainter	nance - Cost !	Summary		
	Labor	Equipment	Materials	Totals
Construction Management	\$16,000	\$3,054	N/A	\$19,054
Construction Support	111111111111111111111111111111111111111	\$432	CONTRACT I	\$432
Road Maintenance	\$13,382	\$20,637	\$60,000	\$94,019
TOTAL CONSTRUCTION MANAGEMENT	\$29,382	\$24,123	\$60,000	\$113,505

		Constr	uction Manager	ment Staff			7144 - H
Description	Duration mo.	Hours/ Month hr.	Number of Supervisors	Supervisor Rate \$/hr	Labor Cost \$	Equipment Cost <sup>(1)</sup> S	Totals S
Active Reclamation	2	80	DOMEST.	\$100.00	\$18,000	\$3,054	\$19,05
Monitoring & Maintenance				The state of the s	\$0	\$0	S
Construction Manageme	ent Support			Total Staff	\$16,000	\$3,054	\$18,00
Construction Manageme	ent Support  Duration mo.	Number of Units		Rental Rate \$/mo	Generator Cost \$/mo	Equipment Cost <sup>*1</sup>	Totals \$
	Duration			Rental Rate	Generator Cost	Equipment Cost <sup>(1)</sup> S	S S
Description	Duration			Rental Rate	Generator Cost	Equipment Cost <sup>*1</sup>	Totals \$

Description	Fleet Size (select)	Number	Duration mo.	Hours/ Month	Labor Cost \$	Equipment Cost \$	Totals \$
Active Reclamation			4-14-14				
Water Truck Grader	Small	1	2	160	\$13,382 \$0	\$20,637 \$0	\$34,01 \$
Monitoring & Mainten	ance	- Indiabati		318)		8 38 66	
Water Truck Grader					\$0 \$0	\$0 \$0	\$4 \$4
Description	Gallons/ Day	Days/ Month	Duration mo.	Gallon \$			Totals S
Water Fees							
Water Fees	10000	20	2	0.15		D-	\$60,000
			Total Pro	ect Maintenance	\$13,382	\$20,637	\$94,01

#### Closure Cost Estimate **Labor Rates**

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xism
Cost Estimate Type: Surety
Cost Basis: Northern Nevada

Color Code Key	
User Input - Direct Input	Direct input
User Input - Pull Down List	Pull Down Selection
Program Constant (can override)	Alternate Input
Program Calculated Value	Locked Cell - Formula or Reference

Cost Basis/Project Region	Northern Nevada		<ul> <li>Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White Pine Counties</li> </ul>
Power Equipment Operators	0-50 miles	\$0.00	
Truck Drivers	0-50 miles	\$0.00	
Laborers	0-50 miles	\$0.00	
NDIRECT COSTS			
Unemployment (%)	3.00%		
Retirement/SS/Medicare (%)	7.65%		
Worluman's Compensation (%)	8.90%		
Other Indirects		regard - Page 1	
State Payroll Tax (13),(15),(17),(1			
	TOTAL STREET		
Total Other Indirects	0.00%		

QUIPMENT TYPE (1) OR IOB DESCRIPTION	Labor Group	Base Rate (\$/hr)	Zone Adjustment (S/hr)	Hourty Wage (\$/hr)	Fringe (\$/hr)	Retirement/ Medicare (\$/hr)	Unemployment Insurance (\$/hr)	Workmen's Compensation (\$/hr)	Other Indirect Costs (\$/hr)	Total (S/hr)
Equipment Operators (\$/	hr) (2)									
Bulidozers								- SS 4 (6) 2 11		
D6R	Control of the Contro	\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
D6R w/ Winch				character of	\$24.80	Significanting	STREET, VAN STREET, ST	PERSONAL PROPERTY.	Strategy and Associated	CONTRACT
D7R		\$37.51	\$0.00	\$37.51	\$24.60	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
D8R		\$37.51	\$0.00	\$37.51	\$24.80	51.13	\$2.87	\$3.34	\$0.00	\$69.6
D9R		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
D10R		\$37.51	\$0.00	\$37.51	\$24,80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
D11R		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3,34	\$0.00	\$69.6
Wheeled Dozers	de la contraction de la contra			V-10-11-11-11-11-11-11-11-11-11-11-11-11-	530000	- Commenting				
824G				annat stille	\$24.80	ATTENDED.	ADDITION OF THE REAL	45 HEAVING A CONSTRAIN	Augustinian S	angender
834G	Same of the latest and the			ARTHUR DAMESTAL	\$24.80	Name of Contract	ARCHARITY STREET		CHEST 100 ACCUSE A	10/01 III.035
844				AND DESCRIPTION OF REAL PROPERTY.	\$24.80	CONTRACTOR	100000000000000000000000000000000000000			SCHOOL PROCESS
854G		OF DESIGNATION	STATE OF THE PARTY NAMED IN	STATE OF THE PARTY OF	\$24.80	SECTION STATE		Committee with Contra	CONTRACTOR OF	
Motor Graders		AND DESCRIPTION OF THE PARTY OF	200 - NO DO							
120H		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
14G/H		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
16G/H		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
24M		- potatr	90.00	900.01	\$24.80	41.10	-	Total Columnia	and a series	
Track Excavators					- and sire of		1111			57000
			84.44	and and	#44 #H	24.45	en out	P3.44	F0.00	#70.
312C		\$38.37 \$38.37	\$0.00	\$38.37 \$38.37	\$24.80	\$1.15 \$1.15	\$2.94 \$2.94	\$3,41 \$3,41	\$0.00	\$70.6 \$70.6
320C		\$38.37		\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.0
325C			\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.0
330C		\$38.37	\$0,00				\$2.94	\$3.41	\$0.00	\$70.0
345B		\$38.37	\$0.00	\$38.37	\$24.80 \$24.80	\$1.15	32.54	33.41	90.00	eru.
365BL 385BL		\$38.37	\$6.60	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.0
		\$20.3/	\$0.00	336.37	444.001	*1.13	96.34	93741	90.00	470.0
Scrapers							44.54			***
631G		\$37.61	\$0.00	\$37.51	\$24.80	\$1,13	\$2.87	\$3.34	\$0.00	\$69.6
637G		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
Wheeled Loaders			Maria I							Policies and Particular Property and Particular Proper
924G		\$37,51	\$0.00	\$37.51	\$24.60	\$1.13	\$2.87	\$3.34	\$0.00	\$69.
928G		\$37,51	\$0.00	\$37.51	\$24.B0	\$1.13	\$2.87	\$3.34	\$0.00	\$69.
950G		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
966G	Service Control	\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	53.41	\$0.00	\$70.
972G		\$38.37	\$0.00	\$36.37	\$24.60	\$1.15	\$2.94	53.41	\$0.00	\$70.
980G		\$38.37	\$0.00	\$38.37	\$24.60	\$1.15	\$2,94	\$3.41	\$0.00	\$70.
988G		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3,41	\$0.00	\$70.5
990		NO ASSOCIATION		-	\$24.60		-	When to the Wall	PROPERTY S	
992G	A TOTAL OF STREET	\$38.37	\$0.00	\$38.37	\$24.60	\$1.15	2.94	\$3.41	\$0.00	\$70.
994D		NAME OF TAXABLE PARTY.	THE RESERVE OF THE PERSON NAMED IN	The second second	\$24.80	EXELECTED CONTRACT	DOMESTIC OF THE PARTY OF	different reserver	100000000000000000000000000000000000000	
L2350	Charles Control	THE PERSONS NO.	SECURITY OF		\$24.80	Harris Control				
Shovels			110 5 961			1000				25
PC2000	Contract of the last	NAME AND POST OFFICE ADDRESS OF	MADE OF SERVICE		\$24.80	THE PARTY	COS WILLIAM TO			COLUMN TO SE
PC3000			DESCRIPTION OF STREET	The Section of the Se	\$24.80		PER CONTRACTOR		Section in the last to	10.
PC4000		THE PROPERTY OF STREET	THE RESERVE	MAN CONTRACTOR	\$24.80	Mark Company	319 1103511103		1	wife, they do
PC5500					\$24.80	ARREST THE STORY			94500%edebee	44/9/
PC8000		CONTRACTOR OF THE	CLOCK LABOUR	THE WAY IN	\$24.80	at	CONTRACTOR OF STREET	William Printers	Taranta de albiera.	Section 20

#### **Closure Cost Estimate Labor Rates**

Project Name: Mathis Quarry - Reclamation Plan Date of Submittal: April 30, 2020 File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm
Cost Estimate Type: Surety

Cost Basis: Northern Nevada

Color Code Key	
User Input - Direct Input	Direct Input
User Input - Pull Down List	Puß Down Selection
Program Constant (can override)	Alternata Input
Program Calculated Value	Locked Cell - Formula or Reference

Cost Basis/Project Region	Northern Nevada	Churchill, Dr	ouglas, Elko, Eureka, Humboldt, Lander. Lyon, Mineral, Pershing, Storey, Washoe, and White Pine Counties
Power Equipment Operators	0-50 miles	\$0.00	
Truck Drivers	0-50 miles	\$0.00	
Laborers	0-50 mfles	\$0.00	
INDIRECT COSTS			
Unemployment (%)	3.00%	1	
Retirement/SS/Medicare (%)	7.65%		
Workman's Compensation (%)	8.90%		
Other Indirects	100 y 200	* - Y	
State Payroll Tax (13),(15),(17),(17)			
	Section 1		
Total Other Indirects	0.00%		

Total Other Indirects	0.00%									
HOURLY LABOR RATE	TABLE	91171		1000					140	
H-120 (fits 325)			100 - 100 - 100							
H-160 (fits 345)	]									
H-180 (fits 365/385)										
Demolition Shears		Company of the last of the las					Married Address	CONTRACT V		
\$340 (fits 322/325/330)										
\$365 (No 330/345)										
\$390 (fits 365/385)										
Demolition Grappies		W 1000 0				10000000				400
G315 (fits 322/325)		1933				2.4				
G320 (fits 325/330)										
G330 (fits 345/365)	THE RESIDENCE AND A SHOP OF	500								
Other Equipment		17.5	EVIDE III		755575-15		773 70			100
420D 4WD Backhoe		\$38.37	\$0.00	\$38.37	\$24.60	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
428D 4WD Backhoe		\$38.37	\$0.00	\$38.37	\$24.90	\$1,15	\$2.94	\$3.41	\$0.00	\$70.6
CS533E Vibratory Roller	.,	\$36.92	\$0.00	\$36.92	\$24.80	\$1.11	\$2.82	\$3.29	\$0.00	\$68.9
C5633E Vibratory Roller	COLD TO ASSESS		81	TOTAL SECTION	\$24.80	100	PROPERTY STATE	Street Sales Sales	MODERNI S	
CP533E Sheepsfoot Compactor		10 mg - 1 c. 1			\$24.80	ALDERSON FORE	CONTRACTOR YOU	Sentential (Sec	MOST TRAFF TO	A SECTION
CP633E Sheepsfoot Compactor		and the same of the same	Commence of	25 25	\$24.80	century and	PRINCIPLE MAY	TENNISH SE	STATE OF STREET	
Light Truck - 1.5 Ton	62 Contract of the Contract of	Self Philipping Sta		XANDO E	\$24.80		SACRE SHOW SHOW	STANSON RE	SECTION O	YESHESO
Supervisor's Truck	the second second second	Decision of the	about the state of	COMMENDS N	\$24,80	ertyletisky stala	0.6683403 (190)	Complete III	CHANGE O	CHESTORY
Flatbed Truck	The same of the same of the same of	STATE OF THE PERSON	CONTRACTOR -		\$24.80	UTALOGOM ACC	CANADAM COL	STEPPENDERS GEN	a receipt to	NO.
Air Compressor + tools	Contraction of the last	\$35.46	\$0.00	\$35.46	\$24.80	\$1.06	\$2.71	\$3.16	\$0.00	\$67.1
Weiding Equipment	Automostopat o	\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
Heavy Duty Drill Rig	AND SANDONESS OF	\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
Pump (plugging) Drill Rig		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
Concrete Pump			A STREET WATER	THE PERSON NAMED IN	\$24.80	THE REAL PROPERTY.	THE PERSON NAMED IN PORT OF TH	SHOULD SHE SHE	COUNTY DOM:	41.00
Gas Engine Vibrator		\$36.92	\$0.00	\$36.92	\$24.80	\$1.11	\$2.82	\$3.29	\$0.00	\$68.9
Generator 5KW			0007200		\$24.80			100		
HDEP Welder (pipe or liner)				150000000000000000000000000000000000000	\$24.80	STATE AND	ALCOHOL: NAME OF THE OWNER, THE O		40.44	
5 Ton Crane		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
20 Ton Crane		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
50 Ton Crane		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
120 Ton Crane			1	S CONTRACTOR OF	\$24.80	1000		CALIBRATIES BILL	Other Section 10	
(2) Equipment Operator Source (3) Zone Basis	Categlier model or estimated, D-9 (V20) 90002 7/8/2019 From Washoo Co. Courtons	and the latest live to								
Truck Drivers (\$/hr) (4)			A 121	And 101	4774	40.04	45.44	10.00	20.00	240.0
725	ruck Oriver > 25 yds	\$31,50	\$0.00	\$31.50	\$4,16	\$0.95	\$2.41	\$2.80	\$0.00	\$41.8 \$41.8
730	ruck Driver > 25 yds	\$31.50	\$0.00	\$31.50	\$4.16	\$0.95	\$2.41			
735	ruck Driver > 25 yds	\$31.50	\$0.00	\$31.50	\$4.16	\$0.95	\$2.41	\$2.80 \$2.80	\$0.00	\$41.8 \$41.8
740	ruck Driver > 25 yds	\$31.50	\$0.00	\$31.50	\$4,16	\$0.95	\$2.41 \$2.41	\$2.80	\$0.00	\$41.8
769O	nuck Driver > 25 yds	\$31.50	\$0.00	\$31.50	\$4.16	\$0.95	32.41	32.80	90.00	351.8
773E	Cost Charge Child	634.60	25.50	#94 FD	\$4.16	\$0.95	\$2.41	\$2.60	\$0.00	E44 0
7770	nuck Oriver > 60 yds	\$31.50	\$0.00	\$31.50	\$4.16	90.90	34.41	34.80	30.00	\$41.8
785C		-	-		14.16					
793C			The second second		\$4.16			-		_
797B	- T	474.50	40.00	621.60	\$4,16	\$0.95	\$2.41	\$2.80	\$0.00	\$41.8
613E (5.000 gal) Water Wagon	ter Truck > 2.500 gall	\$31.50	\$0.00	\$31.50	\$4.16	\$0.95	\$2.41	\$2,60	\$0.00	\$41.8
621E (8,000 gal) Water Wagon	ter Truck > 2,500 get	\$31.50	\$0.00	\$31.50	\$4.16	90.90	36.41	34,00	50.00	341.0
777D Water Truck			2		\$4.16					-
785C Water Truck	A Division N	<b>604 80</b>	60.00	524 SC	\$4.16	\$0.95	\$2.41	\$2.80	\$0.00	\$41.8
Dump Truck (10-12 yd3 )	ruck Driver > 8 yds <	\$31.50	\$0.00	\$31.50	34.10	\$0.90	32.41	a.c.ou	40.00	841.0

#### **Closure Cost Estimate Labor Rates**

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittat: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism
Model Version: Version 1.4.1
Cost Data: User Data

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xism
Cost Estimate Type: Surety
Cost Basis: Northern Nevada

Color Code Key					
User Input - Direct Input	Direct input				
User Input - Pull Down List	Pull Down Selection				
Program Constant (can override)	Alternate Input				
Program Calculated Value	Locked Cell - Formula or Reference				

Cost Basis/Project Region	Northern Nevada	Churchill, Dou	iglas, Elko, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White Pine Counties
Power Equipment Operators	0-50 miles	\$0.00	
Truck Drivers	0-50 miles	\$0.00	
Laborers	0-50 miles	\$0.00	
NDIRECT COSTS			
Unemployment (%)	3.00%		
Retirement/SS/Medicare (%)	7.65%		
Workman's Compensation (%)	8.90%	i	
Other Indirects			The Company of the Lorentz and the Company of the C
State Payroll Tax (13),(15),(17),(1	1		
	Control Physics Control		
Fotal Other Indirects	0.00%		

HOURI VI ABOD BATE T	ADI E	W. I								
HOURLY LABOR RATE T	ABLE								- 1945 - W	
NOTES:										
(4) Truck Driver Source:	8 SUNV2014-014 9/8/	2018			0000000					
(5) Zone Basis:	rom Washoe Ce, Couri	10000								
Laborers (\$/hr) (6,7)									200 377	- 19
General Laborer	Group 1	\$25.45	\$0.00	\$25.45	\$10.56	\$0.76	\$1.95	\$2.27	\$0.00	\$40.
Skilled Laborer	Group 4	\$25.95	\$0.00	\$25.95	\$10.56	\$0.78	\$1.99	\$2.31	\$0.00	\$41.
Driller's Helper	Group 3	\$25.70	\$0.00	\$25.70	\$10,58	\$0.77	\$1.97	\$2.29	\$0.00	541.
Rodmen (reinforcing concrete)	Group 1	\$25.45	\$0.00	\$25.45	\$10.56	\$0.76	\$1.95	\$2.27	\$0.00	540.
Cement finisher	Group 3	\$25.70	\$0.00	\$25.70	\$10.58	\$0.77	\$1.97	\$2.29	\$0.00	541
Carpenter		\$38.73	\$0.00	\$38.73	\$14.29	\$1.16	\$2.96	\$3.45	\$0.00	\$60.
IOTES:										
(8) Laborer Source: P	& SUNV2011-005 10(1	1/2010	San San San		0000000					
(7) Carpenter Source: 0	-B Projected from South	norn Neverde			-					
	rom Washoe Co: Court		-				_			LACTOR COMP
Project Management and	Technical Li			40.00			44.04	44 00	40.00	8400
Project Manager		\$74.81	7	\$74.81	\$10.56	\$2.24	\$5.72	\$6.68	\$0.00	\$100.
Foreman		\$69.19	- 2	\$69.19	\$10.56	\$2.08	\$5.29	\$6.16	\$0.00	\$93
Field Geologist/Engineer		\$132.85	- 1	\$132.85	\$10.56	\$3.99	\$10.16	\$11.82	\$0.00	\$169.
Field Tech/Sampler		\$108.45		\$108.45	\$10.58	\$3.25	\$8.30	\$9.66	\$0.00	\$140
Range Scientist		\$121.10		\$121.10	\$10.55	\$3.63	\$9.26	\$10.78	\$0.00	\$155.
Senior Planning Engineer		ACCORDING TO SEC.		22 (22 (22 (22 (22 (22 (22 (22 (22 (22	\$10.58	ATTACK NO.				
Project Engineer					\$10.56	12.00	No. of Persons Services			
Mechanic/Fitter					\$10.56		200	100 100 100		
			- 0	100	\$10.58	The second second	man day and	100	Company R	
					\$10.56		THE PARTY NAMED IN COLUMN	WALL STREET, CO.	-	
					\$10.58					111111
		-			\$10.56					_
		0.000								Autoria
		-				100 100 100				Mary Co.
		Name and Address of the Owner, where the Owner, which is the								
									A CO. P. C. W. C.	10000
			-		-				1164 TV F	
OTES:										
		31, 1990 GOOD TOTAL INCL.								
		\$1, Taxibility (Osciolars), 14								
(9) Techlosi Labor Source:	Fol. Consulting 2010 (To	REFERENCE CALL FOR LAND AND ADDRESS OF	ed for Zore, Tax or	d Ina	<b>DAMPING</b>					
Other Labor Source:										
Other Labor Source:		and the second second	MY CONTON							
†Additional User Mertupe				appropriate the second	grander. Total	100,000				
(These are added by the user to the				Total 100				-		
base rate to account for alle-specific									10000	-
conditions or corporate requirements)										

### **Closure Cost Estimate**

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xism
Monthly Rental Basis: 160 hrs month

EQUIPMENT TYPE (1)	Monthly Owner/Rental Rate	Equipment Hourly Rate	Fuel/Lube/ Wear	Total Rate
Bulldozers	E-Zalat III mesane		- noncial Subsection	
D6R	\$10,400.00	\$65.00	\$28.89	\$93.8
D6R w/ Winch		Marije Valence	\$16.44	\$16.4
D7R	\$11,350.00	\$70.94	\$32.18	\$103.1
D8R	\$21,600.00	\$135.00	\$43.19	\$178.1
D9R	\$26,100.00	\$163.13	\$61.52	\$224.6
D10R	\$40,000.00	\$250.00	\$79.01	\$329.0
D11R	\$64,000.00	\$400.00	\$115.46	\$515.4
Wheeled Dozers				
824G			\$28.27	\$28.2
834G			\$33.14	\$33.1
844	Salara de la companya del companya del companya de la companya de		\$39.45	\$39.4
854G			\$49.97	\$49.9
Motor Graders				100000 1000
120H	\$9,600.00	\$60.00	\$30.82	\$90.8
14G/H	\$13,500.00	\$84.38	\$45.17	\$129.5
16G/H	\$13,800.00	\$131.25	\$56.44	\$187.6
24M	\$21,000,00	\$131.23	\$40.77	\$40.7
Track Excavators	100 m		940.77	<b>340.</b> /
	de inte no	*nn n=	640.40	240.0
312C	\$5,275.00	\$32.97	\$13.10	\$46.0
320C	\$5,955.00	\$37.22	\$21.94	\$59.1
325C	\$8,350.00	\$52.19	\$27.66	\$79.8
330C	\$10,800.00	\$67.50	\$33.47	\$100.9
345B	\$14,280.00	\$89.25	\$41.80	\$131.0
365BL	800,500,00	6440.00	\$34.72	\$34.7
385BL	\$22,500.00	\$140.63	\$65.46	\$206.0
Scrapers				
631G	\$24,800.00	\$155.00	\$68.42	\$223.4
637G	\$35,000.00	\$218.75	\$98.53	\$317.2
Wheeled Loaders				
924G	\$4,500.00	\$28.13	\$18.40	\$46.5
928G	\$5,200.00	\$32.50	\$20.80	\$53.3
950G	\$7,600.00	\$47.50	\$28.58	\$76.0
966G	\$10,900,00	\$68.13	\$37.72	\$105.8
972G	\$13,800.00	\$86.25	\$42.51	\$128.7
980G	\$13,800.00	\$86.25	\$48.09	\$134.3
988G	\$23,000.00	\$143.75	\$68.77	\$212.5
990			\$44.71	\$44.7
992G	\$60,000.00	\$375.00	\$129.34	\$504.3
994D		D. March St. Company	\$94.68	\$94.6
L2350			\$173.58	\$173.5
Shovels				
PC2000			\$97.31	\$97.3
PC3000			\$131.50	\$131.5
PC4000			\$184.10	\$184.1
PC5500			\$312.97	\$312.9
PC8000_		NUS INCOME.	\$391.87	\$391.8
Hydraulic Hammers				FE Was
H-120 (fits 325)	\$5,700.00	\$35.63	\$5.57	\$41.2
H-160 (fits 345)	\$12,000.00	\$75.00	\$10.86	\$85.8
H-180 (fits 365/385)	\$16,200.00		\$12.87	\$114.1
Demolition Shears		TO THE RESERVE OF	Total Telegraphics Services	- 11 - 1076

### **Closure Cost Estimate**

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm

\$365 (fits 330/345)		The second second		\$0.0 \$0.0
S390 (fits 365/385)				\$0.0
Demolition Grapples				20.0
G315 (fits 322/325)		200		\$0.0
G320 (fits 325/330)			1000	\$0.0
G330 (fits 345/365)				\$0.0
Other Equipment				
420D 4WD Backhoe	\$2,650.00	\$16.56	\$16.32	\$32.8
428D 4WD Backhoe	\$3,400.00	\$21.25	\$16.21	\$37.4
CS533E Vibratory Roller	\$8,140.00	\$50.88	\$9.86	\$60.7
CS633E Vibratory Roller			\$12.49	\$12.4
CP533E Sheepsfoot Compactor		The mix4 M	\$9.86	\$9.8
CP633E Sheepsfoot Compactor		Land was been	\$12.49	\$12.4
Light Truck - 1.5 Ton	\$4,158.00	\$25.99	\$4.21	\$30.1
Supervisor's Truck	\$2,591.60	\$16.20	\$2.89	\$19.0
Flatbed Truck	\$4,158.00	\$25.99	\$13.80	\$39.7
Air Compressor + tools	\$4,300.56	\$26.88	\$2.63	\$29.5
Welding Equipment	\$2,039.40	\$12.75	\$5.26	\$18.0
Heavy Duty Drill Rig	\$56,760.00	\$354.75	\$31.56	\$386.3
Pump (plugging) Drill Rig	\$58,760.00	\$354.75	\$26.30	\$381.0
Concrete Pump	\$17,974.00	\$112.34	\$26.30	\$138.6
Gas Engine Vibrator	\$584.96	\$3.53	\$2.63	\$6.1
Generator 5KW	\$711,92	\$4.45	\$3.95	\$8.3
HDEP Welder (pipe or liner)	\$8,628.40	\$53.93	\$5.26	\$59.1
5 Ton Crane	\$5,535.20	\$34.60	\$7.89	\$42.4
20 Ton Crane	\$12,408.00	\$77,55	\$10.52	\$88.0
50 Ton Crane	\$12,408.00	\$77.55	\$12.36	\$89.9
120 Ton Crane		E STREET, STR	\$13.68	\$13.6
Trucks				
725	\$15,000.00	\$93.75	\$36.71	\$130.4
730	\$15,000.00	\$93.75	\$38.03	\$131.7
735	\$15,000,00	\$93.75	\$51.85	\$145.6
740	\$15,000.00	\$93.75	\$53.00	\$146.7
769D	\$21,000.00	\$131.25	\$41.02	\$172.2
773E	\$33,000.00	\$206.25	\$53.99	\$260.2
777D	\$54,000.00	\$337.50	\$77.02	\$414.5
785C			\$63.78	\$63.7
793C			\$109.80	\$109.8
7978	The state of the s		\$154.51	\$154.5
613E (5,000 gal) Water Wagon	\$8,500.00	\$40.63	\$23.86	\$64.4
621E (8,000 gal) Water Wagon	\$11,000.00	\$68.75	\$42.58	\$111.3
777D Water Truck			\$44.05	\$44.0
785C Water Truck			\$63.78	\$63.7
Dump Truck (10-12 yd <sup>3</sup> )	\$12,078.00	\$75.49	\$14.66	\$90.1
OTES:				
(1) Power Equipment Source:				
	Catepillar model or equivale	nt, LeTourneau load	er, Komatsu shove	ls
	RS Means Heavy Construct			
	RS Means Heavy Construct			
(5) Drill rig includes support (pipe) truck				

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE Cost Data File 1 12\_Std\_2019.xlsm

EQUIPMENT TYPE	PM Cost Per Hour <sup>(1)</sup>	Under carriage or Tires (2)	G.E.T Consumption (3)	Fuel Use Rate gal/hr (4)	Cost@ 2.63/gal	Total Hourly Equipment Cost
Bulldozers						
D6R	\$7.41		\$5.04	6.25	\$16.44	\$28.89
D6R w/ Winch				6.25	\$16.44	\$16.4
D7R	\$7.41		\$5.04	7.50	\$19.73	\$32.1
D8R	\$7.82		\$9.73	9.75	\$25.64	\$43.1
D9R	\$8.91		\$15.13	14.25	\$37.48	\$61.5
D10R	\$10.49	SEPTEMBER OF STREET	\$21.18	18.00	\$47.34	\$79.0
D11R	\$14.29		\$31.47	26.50	\$69.70	\$115.4
Wheeled Dozers						
824G		\$0.00		10.75	\$28.27	\$28.2
834G		\$0.00		12.60	\$33.14	\$33.1
844		\$0.00		15.00	\$39.45	\$39.4
854G		\$0.00		19.00	\$49.97	\$49.9
Motor Graders	Military Company					
120H	\$4.50	\$5.36	\$10.44	4.00	\$10.52	\$30.8
14G/H	\$5.61	\$8.03	\$15.09	6.25	\$16.44	\$45.1
16G/H	\$5.86	\$10.24	\$20.61	7.50	\$19.73	\$56.4
24M				15.50	\$40.77	\$40.7
Track Excavators						
312C	\$4.23		\$3.93	1.88	\$4.94	\$13.10
320C	\$4.51	THE WATER AND	\$4.54	4.90	\$12.89	\$21.9
325C	\$4.57		\$5.73	6.60	\$17.36	\$27.6
330C	\$5.60		\$6.30	8.20	\$21.57	\$33.4
345B	\$7.47		\$6,45	10.60	\$27.88	\$41.8
365BL				13.20	\$34.72	\$34.7
385BL	\$8.23		\$13.20	17.50	\$46.03	\$65.40
Scrapers						
631G	\$7.52	\$13.20		15.00	\$39.45	\$68.4
637G	\$12.49	\$13.20	\$10,37	23.75	\$62.46	\$98.5
Wheeled Loaders						
924G	\$3.74	\$3.09	\$4.34	2.75	\$7.23	\$18.40
928G	\$4.02	\$3.09	\$4.49	3.50	\$9.21	\$20.80
950G	\$5.00	\$4.71	\$8.35	4.00	\$10.52	\$28.5
966G	\$5.21	\$6.91	\$10.48	5.75	\$15.12	\$37.7
972G	\$5.89	\$6.91	\$13.27	6.25	\$16.44	\$42.5
980G	\$5.89	\$9.20	\$13.27	7.50	\$19.73	\$48.0
988G	\$11.04	\$11.69	\$14.22	12.10	\$31.82	\$68.7
990				17.00	\$44.71	\$44.7
992G	\$12.23	\$23.97	\$32.65	23.00	\$60.49	\$129.3
994D		RESIDENCE AND ADDRESS.		36.00	\$94.68	\$94.6
L2350				66.00	\$173.58	\$173.5
Shovels						
PC2000	The second second second second			37.00	\$97.31	\$97.3
PC3000				50.00	\$131.50	\$131.5
PC4000		Professional Company		70.00	\$184.10	\$184.1
PC5500				119.00	\$312.97	\$312.9
PC8000				149.00	\$391.87	\$391.8
Hydraulic Hammers						A
H-120 (fits 325)	N/A		\$5.57			\$5.5
H-160 (fits 345)	N/A		\$10.86			\$10.8
H-180 (fits 365/385)	N/A	And I make the	\$12.87		A Company of the Comp	\$12.8
Demolition Shears		The state of the s				
S340 (fits 322/325/330)	N/A					\$0.0
S365 (fits 330/345)	N/A		The second second		11. 500	\$0.0

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm

Demolition Grapples						
G315 (fits 322/325)	N/A					\$0.00
G320 (fits 325/330)	N/A			Note: State of the	COMPANY CONTRACTOR	\$0.00
G330 (fits 345/365)	N/A		The state of the s	A 100 40		\$0.0
Other Equipment						
4200 4WD Backhoe	\$4.16	\$0.78	\$3.49	3.00	\$7.89	\$16.3
428D 4WD Backhoe	\$3.94	\$0.78	\$3.60	3.00	\$7,89	\$16.2
CS533E Vibratory Roller			N/A	3.75	\$9.86	\$9.80
CS633E Vibratory Roller		TORGETHAY BEE	N/A	4.75	\$12.49	\$12.4
CP533E Sheepsfoot Compactor			N/A	3.75	\$9.86	\$9.8
CP633E Sheepsfoot Compactor			N/A	4.75	\$12.49	\$12.4
Light Truck - 1.5 Ton		\$0.26	NA	1.50	\$3.95	\$4.2
Supervisor's Truck		\$0.26	N/A	1.00	\$2.63	\$2.89
Flatbed Truck		\$1.44	N/A	4.70	\$12.36	\$13.80
Air Compressor + tools			Ñ/A	1.00	\$2.63	\$2.63
Welding Equipment			N/A	2.00	\$5.26	\$5.20
Heavy Duty Drill Rig		MONE INCH	N/A	12.00	\$31.56	\$31.5
Pump (plugging) Drill Rig			NA	10.00	\$26.30	\$26.30
Concrete Pump	Section Report In 19		N/A	10.00	\$26.30	\$26.30
Gas Engine Vibrator	E CONTROL OF THE PARTY		N/A	1.00	\$2.63	\$2.63
Generator 5KW			NA	1.50	\$3.95	\$3.95
HDEP Welder (pipe or liner)	AND DEPARTMENT OF THE PARTMENT AND THE	TO SECULIA DE MANAGEMENTO	NA	2.00	\$5.26	\$5.26
5 Ton Crane	Statement of the statem		NA	3.00	\$7.89	\$7.89
20 Ton Crane	The state of the s	A-1000 a family	ΝA	4.00	\$10.52	\$10.52
50 Ton Crane	STATE OF THE PARTY		NA	4.70	\$12.36	\$12.36
120 Ton Crane	Number of State of St		N/A	5.20	\$13.68	\$13.68
Frucks						
725	\$7.44	\$13.78	\$3[13]	4.70	\$12.36	\$36.7
730	\$7.44	\$13.78	\$3.13	5.20	\$13.68	\$38.03
735	\$7.44	\$21.95	\$3,13	7.35	\$19.33	\$51.8
740	\$7.44	\$23.10	\$3.13	7.35	\$19.33	\$53.00
769D	\$8,14	\$7.05	\$3.50	9.25	\$24.33	\$41.02
773E	\$7.59	\$11.56	\$3.93	11.75	\$30.90	\$53.99
7770	\$10.87	\$17.71	\$4.39	16.75	\$44.05	\$77.0
785C			21	24.25	\$63.78	\$63.78
793C			Marie Display	41.75	\$109.80	\$109.80
7978				58.75	\$154.51	\$154.5
613E (5,000 gal) Water Wagon	\$4.45	\$3.64	472	6.00	\$15.78	\$23.80
	\$6.29	\$8.02		10.75	\$28.27	\$42.5
621E (8,000 gal) Water Wagon 777D Water Truck	\$0.28	30.02	Mind of the last	16.75	\$44.05	\$44.0
			estantistica .	24.25	\$63.78	\$63.70
785C Water Truck	NA	\$0.98	NA	5.20	\$13.68	\$14.6
Dump Truck (10-12 yd3 ) (5)	186	40.90	IVA	0.201	#13.00j	414.0
Votes:	Cashman Equipment Comp	any / July 2010) unless	noted			
**	Cashman Equipment Compa		s noted			
	Purecell Tire Quote: June 20		a material			
	Cashman Equipment Compa			mallar vobiolos		
(4) Fuel Use Source	: Caterpillar Handbook, Edition	ii 35, Cri. 20; or esum	aten average for Si	Halidi Yellicies		

Project Name: Mathis Quarry - Reclamation Plan Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

**Cost Data: User Data** 

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm

Equipment	Tire Size	# of Tires Per Piece of Equipment	Cost Per Tire	Tire Cost (1)(2)	Life Expectency Hours (Low/Zone A) (3)	Tire Cost per Hour
Buildozers						
D6R			N/A			
D6R w/ Winch		100	N/A	CONTRACTOR OF THE PARTY OF THE		
D7R			N/A			MARKETON NEW TOTAL
D8R			N/A			
D9R		100	N/A	A CONTRACTOR OF THE PARTY		
D10R			N/A			
D11R			N/A			
Wheeled Dozers						
824G	29.5R25	4		\$0.00	3,500	\$0.0
834G	35/65-R33	4		\$0.00	3,500	\$0.0
844	45/65-R39	4		\$0.00	3,500	\$0.0
854G	45/65-R45	4		\$0.00	3,500	\$0.0
Motor Graders	400004		en den na	£40 707 00	2 500	be n
120H	13PR24	6	\$3,126.20	\$18,757.20 \$28,111.80	3,500 3,500	\$5.3 \$8.0
14G/H 16G/H	20.5R25 23.5R25	6	\$4,685.30 \$5,974.20	\$35,845.20	3,500	\$10.2
24M	23.5R25	6	\$0,874.20	\$0.00	3,500	\$10.Z
Track Excavators	200,120					
312C			N/A			LIST STATE OF THE
320C			N/A			ET WEST
325C			N/A	Affile of Mary		
330C			N/A			
345B			N/A	INTERNET		
365BL			N/A	(A (A 35))		
385BL			N/A	the state of the s		
Scrapers						
631G	37.25R35	4	\$13,202.70	\$52,810.80	4,000	\$13.2
637G	37.25R35	4	\$13,202.70	\$52,810.80	4,000	\$13.2
Wheeled Loaders						
924G	17.5R25	4	\$3,471.10	\$13,884.40	4,500	\$3.0
928G	17.5R25	4	\$3,471.10	\$13,884.40	4,500	\$3.0
950G	26.5R25	4	\$5,300.40	\$21,201.60	4,500 4,500	\$4.7
966G	26.5R25	4	\$7,771,60	\$31,086.40 \$31,086.40	4,500	\$6.9 \$6.9
972G 980G	26.5R25 29.5R25	4	\$7,771,60 \$10,355.60	\$41,422.40	4,500	\$9.2
988G	35/65-33	4	\$13,151,10	\$52,604.40	4,500	\$11.6
990	41.25/70-39	4		\$0.00	4,500	
992G	45/65R45	4	\$26,967.62		4,500	\$23.9
994D	55/85R57	4		\$0.00		
L2350	55/85R57	4		\$0.00	4,500	
Shovels						
PC2000			N/A			07/02/53
PC3000		120	N/A			
PC4000			N/A			
PC5500			N/A			1 m
PC8000		TOWNS OF THE PARTY	N/A			
Hydraulic Hammers		WEST CONTRACTOR OF THE PARTY OF				
H-120 (fits 325)		9	N/A			
H-160 (fits 345)			N/A			
H-180 (fits 365/385)		1-9	N/A	The state of the s	The State of the S	CONTRACTOR AND ADDRESS
Demolition Shears			N/A		NUMBER OF STREET	AND DESCRIPTION OF THE PARTY OF

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xism

Cost Data File: SRCE_Cost_D S365 (fits 330/345)			N/A	San Line		
S390 (fits 365/385)			N/A		1 2	
Demolition Grapples		- 0		- 400 100		
G315 (fits 322/325)			N/A		- 4	8 - 184 -
G320 (fits 325/330)			N/A		B	
G330 (fits 345/365)			N/A	MINWARDS!	2	
Other Equipment		- New York				
420D 4WD Backhoe	340/80R18-19.5LR24	2	\$1,162.96	\$2,325.92	3,000	\$0.78
428D 4WD Backhoe	340/80R18-16.9R28	2	\$1,162.96	\$2,325.92	3,000	\$0.78
CS533E Vibratory Roller			NA			
CS633E Vibratory Roller			N/A		7	and the same of
CP533E Sheepsfoot Compactor			NA			
CP633E Sheepsfoot Compactor			NA	WA 15 E	1.0	
Light Truck - 1.5 Ton		4	196.4	\$785.60	3,000	\$0.26
Supervisor's Truck		4	198.4	\$785.60	3.000	\$0.26
Flatbed Truck		22	196,4	\$4,320.80	3,000	\$1.44
Air Compressor + tools			N/A	MERENNE WA	100	
Welding Equipment			N/A			4111
Heavy Duty Drill Rig		4	Copage and S	\$0.00	3,000	
Pump (plugging) Drill Rig		4		\$0.00	3,000	W. Despiration
Concrete Pump			NA		3	no material service
Gas Engine Vibrator			NA	Communication of the Communica		
Generator 5KW			N/A	COLUMN TO		
HDEP Welder (pipe or liner)			NA		5	ALL HARRIST WARREST
5 Ton Crane		4		\$0.00	3,000	\$ 10 mm 200 000
20 Ton Crane		4	A STATE OF THE STA	\$0.00	3,000	
50 Ton Crane		6		\$0.00	3,000	
120 Ton Crane		6		\$0.00	3,000	
Trucks						
725	23.5R25	6	\$4,594.57	\$27,567.42	2,000	\$13.78
730	23.5R25	6	\$4,594.57	\$27,567.42	2,000	\$13.78
735	26.5R25	6	\$7,315.27	\$43,891.62	2,000	\$21.95
740	29.5R25	6	\$7,701.12	\$46,206.72	2,000	\$23.10
769D	18.00R33	6	\$7,054.80	\$42,328.80	6,000	\$7.05
773E	24.00R35	6	\$9,637.30	\$57,823.80	5,000	\$11.56
777D	27.00R49	6	\$14,756.90	\$88,541.40	5,000	\$17,71
785C	33.00R51	6		\$0.00	4,000	
793C	40.00R57	6		\$0.00	4,000	
797B	40.00R57	6		\$0.00	4,000	
613E (5,000 gal) Water Wagon	23.5R25	6	\$3,636.27	\$21,817.62	6,000	\$3.64
621E (8,000 gal) Water Wagon	33.25R29	6	\$10,688.90	\$64,133.40	8,000	\$8.02
777D Water Truck	27.00R49	6		\$0.00	5,000	
785C Water Truck	33.00R51	6		\$0.00	4,000	
Dump Truck (10-12 yd3 )		10	\$590.40	\$5,904.00	6,000	\$0.98
Notes:						
(1) Unit Cost Ba				AVENE HIMERAN		
(2) Cost Ba						
(3) Tire Cost Sour	ce: Purecell Tire Quote: June ce: Caterpillar Handbook, Ed		The state of the s		and the second second	

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm
Cost Estimate Type: Surety
Cost Basis: Northern Nevada

Revegetation Materials	Seed Mixes		
Seed Mix			Cost/Acre
2660 MIX	Descript	don	COSTACTE
None	D-1-		\$000°F
Mix 1	Basins	10	\$302.50
Mix 2 Mix 3	Low Hills	\$332.75	
	Uplands		\$383.00
Mix 4	Riparian or Custom		\$393.25
User Mix 1	Mathis Mix		\$698.42
User Mix 2			
User Mix 3			
User Mix 4			
	Cost/lb	lbs/Acre	Cost/Acre
User Mix 5 (from Seed Mix sheet)	\$30.28	\$23.00	\$696.42
Notes:			
	0767-0-00	and the second s	
	Mulch		
ltem	Cost/lb	lbs/Acre	Cost/Acre
***************************************			
None			
Straw Mulch	\$0.17	2000	\$338.89
Hydro Mulch	\$0.25	2000	4000.08
imber Mulch	90.20		
IIIDEL MUICIL	80.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00		THE RESERVE OF THE PARTY OF THE
A TOTAL CONTRACTOR OF THE PARTY			
	11 A 12 A 14 A 14 A 14 A 14 A 14 A 14 A	11 St. A4001	
Notes:			
Notes.	Granite Seed \$500 per	Topile 50 lb bee 180e	od (Linday) kirdah i
	Giainte Seed 3500 per	TOTAL SO ID DSG 440	ou (myuro) Munch
			#12/2// December 600
	Amandmente		
	Amendments		
ltem	Amendments Cost/lb	lbs/Acre	Cost/Acre
ltem		lbs/Acre	Cost/Acre
None	Cost/lb	lbs/Acre	
None Organic Matter		lbs/Acre	Cost/Acre
None Organic Matter Treated Sludge	Cost/lb \$0.70	lbs/Acre	\$0.00
Item  None  Organic Matter  Treated Sludge  Chemical	Cost/lb	lbs/Acre	
None Organic Matter Treated Sludge	Cost/lb \$0.70	lbs/Acre	\$0.00
None Organic Matter Treated Sludge	Cost/lb \$0.70	Ibs/Acre	\$0.00

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

**Cost Data: User Data** 

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm
Cost Estimate Type: Surety Cost Basis: Northern Nevada

Notes:	Western Nevada Supply \$29.34 per 50 lb. bag 15-15-15 (June 201

Well Abandonment Materials							
Description	Cost/50lb bag	Units	Cost/unit*				
Cement	\$7.57	су	\$36.07				
Grout (Low Grade Bentonite)	\$8.65	су	\$41.19				
Inert Material/Cuttings		су	No ball May in				
		су	Francisco Contractor				
		су					

(1) Jentech Drilling Supply quote (June 2019) Type (,II Cement at \$14.24 per 94 lb. bag (2) Jentech Drilling Supply (June 2019) 3/8 in. Chunk Bentonite Hole Plug at \$8.65 per 50 lb. bag (5.75 cf/bag at

\* Assumes 1 bag mixes with water to make 0.21 y3 or 0.16 m3 of grout/cement slurry.

Description	Units	Cost/unit
Description	Onics	Ooseanic
Monitor Well Pump	ea.	\$2,650.80
Sampling Supplies	ea.	\$6.19
Water Analysis (Profile I) (1)	ea.	\$411.00
Leach Test (MWMP) w/ analysis	68.	\$483.40
ABA + S speciation	ea.	\$150.00
WAD Cyanide in water	68.	\$56.00
Water Analysis (Profile II) (1)	ea.	\$461[00
	ea.	
	68.	
	68.	
	68.	
	68.	
The state of the s	88.	
	ea.	
	68.	
	ea.	4
	ea.	1 Supplied to the supplied to
		1
		1

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xlsm

Model Version: Version 1.4.1

**Cost Data: User Data** 

Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xlsm Cost Basis: Northern Nevada Cost Estimate Type: Surety

		and the same	
1) WET Lab, Reno∄Nevada	a (June 2019)	da solo a la companyone	
Vell pump and Sample sup	ply costs adjuste	d to 2019.	
Original source unknown.	The second second	mercula mercula de la	extraction with
			the second second second

Fuel, Etc.							
Description	Units	Cost/unit					
Off-road Diesel - delivered (1)	\$/gal	\$2.630					
Pickup Truck Mileage	\$/mi	\$0.580					
Electical Power	\$/kWh	\$0.079					
		Salar Salar Salar Salar					
		0.575 - 0.00 Miles - 0.00					
	100						
		4 4 9 6 1					

(1) Source: Oil Price information Service , average annual cost including freight to Nevada (July 2019). Source: Federal Government Vehicle Allowance Rate 2019
Source: NV Energy (July 2019) \$0.07918

Revegetation Method				
	Slopes			
Disturbance Type	Seed Application Method	Labor Cost/Acre	Equipment Cost/Acre	Total Cost/Acre
Waste Rock Dumps	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Heap Leach	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Tailings	Hand Broadcast	\$140.00	\$50.00	\$190.00
Quarries & Borrow Pits	Mechanical Broadcast	\$100.00	\$38.00	\$138,00
***	Flat Areas and Und	ifferentiated		
Disturbance Type	Seed Application Method	Labor Cost/Acre	Equipment Cost/Acre	Total Cost/Acre
Exploration Trenches	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Exploration Roads	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Waste Rock Dumps	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Heap Leach	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Tallings	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Quarries & Borrow Pits	Mechanical Broadcast	\$100.00	\$38.00	\$138,00
Roads	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Pits	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Haul Material	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Foundations & Buildings	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Sediment & Drainge Control	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Process Ponds	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Landfills	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Yards, Etc.	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Revegetation Maintenance	Mechanical Broadcast	\$100.00	\$38.00	\$138.00

#### Closure Cost Estimate Seed Mixture

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423\_LNA\_MathisSRCE\_Version\_1\_4\_1\_017\_NVb.xism
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data File: SRCE\_Cost\_Data\_File\_1\_12\_Std\_2019.xism
Cost Estimate Type: Surety
Cost Basis: Northern Nevada

eed Mixture				10000			
Common Name	Scientific Name	Species Number of Seeds / Ib	Species % in Mix	Pl.S/acre	Cost/Lb	Coet/Acre	
		Grasses					
Curly Meaguitagress	Hitaria berlangeri			1.00	98.00	\$65.00 \$40.00 \$120.00 \$40.62 \$21.00 \$66.00 \$8.00 \$8.00 \$100.00	
Alkel Section	Sporobolus Airoides	encontrates resided		2.00	25,00	\$50.0	
Purple Threeawn	Aristics purpures			3.00	40.00	\$120.0	
Sidecets Grama	Soutsious curtinencule			6.00	16.07	\$90.4	
Green Sprangletop	Laptochica Duble			3.00	7.00	321.0	
Blue Grame	Boutefoue graciils			4.00	19.60	\$60.0	
Plains Bristingrase	Setaria Vulpineta			1.00	8.00	\$8.0	
Band Proposed	Sporobolus eryptendrus			1.00	6.00	\$6.0	
						Name and Address of the Owner, Name and	
						Name of the last	
						Charles Co. Co. Co.	
						minimum courages	
		Forbs		-	No. of Contract of		
Desert Marigold   Be	Belleys multiradists			1.00	190,60	\$190.0	
Cessor and April Delity a minus access			-	-			
						APRIL 24 1997	
		_				Committee of the Commit	
						-	
						-Fapeoureo-	
		Shrubs					
Desart Globernatiow	Spheerslose ambigue			1.00	60.00	\$50.0	
			(1)				
						removal and a final of	
						School Co.	
						AND DESCRIPTION	
				The state of the state of		Mary Land	
						TOTAL PROOF BY	
	Total		9.1	\$23.00		\$101.	

Source:			- 1		
lotes		V = 100 5			

4/27/2020 Copyright & 2004 - 2005 SHCE befores All Region Francis.

blue font is for project specific user input							М						use to proje				
						11.00		Miles fro	m	equipme	nt re		to project.	_	_		
	Aath	is Quan	η_					-			L	Houn	travel time	9	5 MPH	_	1
				Rate load & unload (2)				Disassembly and assembly (4)									
		÷.		3	Chair Beathard femote			£									
		Mobilization 5/hour [1]		5	3	ŭ.		ž									
		\$		·	3			Ž		50							
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		ag .		ž	Š	return cost		22		Permit cost \$ [5]		Pilot c	Langts	One	Way	and	l Dem
Equipment		ž		\$	5	<u> </u>		丟		200		Ž	10	Mol	b Cost		Cost
ulidozers		-						-								30115	
OGR	1:	97	\$	97	\$	97	\$		5	100		474		\$	804	\$	1.0
OTR DBR		131	\$	131	5	131	2	-	\$	25 25	\$	171 342	1	\$	804	\$	17
OOR .	1.	153	\$	153	3	153	š		Š	25	s	342	-1-	s	1.077	\$	2.
10R	1	153	\$	153	\$	153	8	63,720	5	25	8	514		\$		\$	-
11R (two transports) (7)	1 8	153	\$	153	8	153	\$	135,720	\$	25	\$	342	1-07-2	\$		\$	
otor Graders	id.				33							2000	A	1			
4G/H	1	102	\$	102	\$	102	\$	-	\$	3.5	\$			\$	•	\$	
6G/H	1	131	\$	131	\$	131	\$		\$	25	\$	171		8		3	
ack Excavators	100					100			Ļ					1			-
20C	1:	131	3	131	\$	131	\$		5		\$	*		\$	•	\$	
25C 45B	1:	131	5	131	5	131	2		5	25	5	342	1	3	1.077	\$	2.
95BL	1	153	5	153	\$	153	5	44,880	5	25	5	342	-	3	1,077	3	4,
rapers			÷		-		i		ň		ň				-	TO S	-
316	15	153	8	153	\$	153	8		5	25	\$	342		\$		3	_
37G PP	18	153	\$	153	\$	153	8		5	25	8	342		8		\$	
heeled Loaders	100			ZIVI	-												
28G	3	102	\$	102	5	102	\$		5	2.	\$			\$		\$	3.12550
66G	3	102	\$	102	\$	102	\$	-	\$	10.0	8	-	1	\$	473	\$	1
72G	13	131	\$	131	\$	131	\$	•	5		\$	-		\$	•	\$	
88G	1:	131	\$	131	\$	131	3	74,180	5	25 25	\$	171		S	-	\$	
92G (two transports) (7)	1	153	\$	153	\$	153	\$	74,100	5	4	,	342		,	-	\$	_
rdratilic Hammers I-120 (fits 325) no charge, mobilize with mach	1 :		3	-	\$	_	\$		\$	-	\$		1000	8		\$	
-100 (fits 345) no charge, mobilize with much			s		\$	- :	1		Ś		s			s		s	
-180 (fits 365/385) no charge, mobilize with r	4		\$		\$		\$		5		\$			8		\$	
her Equipment	100	300		The same		300							TARTICO.				
20D 4WD Backhoe	] \$	102	\$	102	8	102	\$	10000	5		\$			\$		\$	
\$563E Vibretory Roller	1:	102	\$	102	\$	102	\$		\$	10.5	\$			\$		\$	
ight Truck - 1.5 Ton	1:	67	\$	67	\$	•	S		\$	-	\$			\$		\$	
upervisor's Truck	1	63 79	\$	63 79	\$	79	3		5		\$			\$	176	\$	
Ir Compressor + tools Felding Equipment	1	79	ŝ	79	ŝ	79	•		5		5			5		:	
eavy Duty Drill Rig	1	397	s	397	Š		š		ś		s			\$		\$	
tumo (plugging) Drill Rig	1	402	\$	402	\$		\$	-	\$		\$			5		\$	
oncrete Pump	1 8	79	\$	79	\$	79	\$		\$		\$			\$		\$	
ias Engine Vibrator	1	79	\$	79	\$	79	\$	-	5	-	\$	•		\$	•	\$	
ienerator SKW	1	79	8	79	8	79	\$	-	5	-	3	٠		\$	•	\$	
DEP Welder (pipe or liner)	1.	79	\$	70	\$	79	\$		\$	•	\$	•		\$	-	\$	
Ton Crane Truck 5 Ton Crane		107	\$	107	5	1	\$		\$		\$			\$		\$	
ucks		140	•	140	2	-	•	and the same of	7		•	-	CO-STERNING AND	ė		•	
25	1 5	102	3	102		102	3		s		3	-	6	8	2,837	3	5,
40		131	\$	131	•	131	\$		Ś	25	5	171		5	_,	\$	-,
99D	8	131	\$	131		131	\$		\$	25	\$	342		\$		\$	
77D (two transports) (8)	3	153	\$	153	\$	153	\$	71,280	\$	25	\$	514		\$	-	\$	
13E (5,000 gal) Water Wagen	3	153	\$	153		153	8		\$	-	\$		-1-	\$	709	\$	1,
21E (8,000 gal) Water Wagon lump Truck (10-12 yd²)	1	153		153		153	8		5	25	\$	342		\$		\$	
numb Lunck (10-15 Ag. )	3	116	3	118	3	116		-	Ş	-	5	ACTORDORNEOS .		\$		\$	7500
reenaneous: ulpment for dry hole abendonment (420D 4W	1 8	102	3	102	8	102	3	00000000	5		\$			3		\$	-
Pilot car (Light Truck)	1;	63	\$	63		63	\$		\$		\$			\$		\$	
ruck Tractor + Lowbed Trailer 75 ton	1	153	5	153		153	\$		5		\$		-	\$		\$	
ruck Tractor + Flatbed Trailer 40 ton	3	131	\$	131	\$	131	\$		\$		\$			\$	-	\$	
ight Truck + Flatbed Trailer 25 ton	] \$	79	\$	79	\$	79	\$	-	\$	•	\$			\$	- 1	\$	
													12			\$	14,
otnotes and explanations of assumptions The sum of the cost of equipment from eith		SPCE		2011	dem	and tak	- داري	ه منبوه		n labor 6	mh-						
Assumes minimum of 30 minutes load and																	
No "Deadhead" (empty) charge for Mob up											rste	as loads	ed miles.				
Only large equipment requires disassembly																	
Nevada Dept. of Transportation overdimen																	
Sum of mobilization plus all ancillary costs																	
Two transports are required but the second																	

- 19) For targe maning operations, mobilization may be required from more trian one location. For example, the clink year mandal equipment may need to mobilize from Reno, Las Vegas, or Salt Lake City. Input the further distance here.

  (10) Pilot Car costs based on SRCE light truck costs and Davis-Bacon wages.

  (11) SRCE costs based on July 2019 vendor quotes.

  (12) RS Meane costs based on R.S. Means Heavy Construction Cost Data, 2019, Q2

  (13) Davis Bacon wages based on 2019 determination.

# APPENDIX C NEW MEXICO NOXIOUS WEED LIST

New Mexico Department of Agriculture
Noxious Weed List Update (October 19, 2016)
<a href="http://www.nmda.nmsu.edu/wp-content/uploads/2016/11/Weed-List-memo-and-weed-list-2016.pdf">http://www.nmda.nmsu.edu/wp-content/uploads/2016/11/Weed-List-memo-and-weed-list-2016.pdf</a>

### Class A Species

Class A species are currently not present in New Mexico, or have limited distribution. Preventing new infestations of these species and eradicating existing infestations is the highest priority.

Common Name Scientific Name Alfombrilla Drymaria arenariodes Black henbane Hyoscyamus niger Brazillian egeria Egeria densa Camelthorn Alhagi psuedalhagi Cirsium arvense Canada thistle Dalmation toadflax Linaria dalmatica Centaurea diffusa Diffuse knapweed Dyer's woad Isatis tinctorial Giant salvinia Salvinia molesta Hoary cress Cardaria spp. Leafy spurge Euphorbia esula Oxeve daisy Leucanthemum vulgare Purple loosestrife Lythrum salicaria Purple starthistle Centaurea calcitrapa Ravenna grass Saccharum ravennae Scentless chamomile Matricaria perforate Scotch thistle Onopordum acanthium Centaurea biebersteinii Spotted knapweed Yellow starthistle Centaurea solstitialis Yellow toadflax Linaria vulgaris

#### Class B Species

Class B Species are limited to portions of the state. In areas with sever infestations, management should be designed to contain the infestation and stop any further spread.

Common Name Scientific Name Peganum harmala African rue Bull thistle Cirsium vulgare Chicory Cichorium intybus Halogeton glomeratus Halogeton Malta starthistle Centaurea melitenis Perennial pepperweed Lepidium latifolium Poison hemlock Conium maculatum

QuackgrassElytrigia repensRussian knapweedAcroptilon repensSpiny cockleburXanthium spinosumTeaselDipsacus fullonum

#### Class C Species

Class C species are wide-spread in the state. Management decisions for these species should be determined at the local level, based on feasibility of control and level of infestation.

Common NameScientific NameCheatgrassBromus tectorumCurlyleaf pondweedPotamogeton crispusEurasian watermilfoilMyriophyllum spicatum

Giant cane

Hydrilla

Jointed goatgrass

Musk thistle

Arundo donax

Hydrilla verticllata

Aegilops cylindrica

Carduus nutans

Parrotfeather Myriophyllum aquaticum Russian olive Elaeagnus angustifolia

Saltcedar Tamarix spp.
Siberian elm Ulmus pumila
Tree of heaven Ailanthus altissima

#### Watch List Species

Watch List species are species of concern in the state. These species have the potential to become problematic. More data is needed to determine if these species should be listed. When these species are encountered, please document their location and contact appropriate authorities.

Scientific Name Common Name Crimson fountain grass Pennisetum setaceum Meadow knapweed Centaurea pratensis Euphorbia myrsinites Myrtle spurge Pampas grass Cortaderia sellonana Sahara mustard Brassica tournefortii Zygophyllum fabago L. Syrian beancaper Wall rocket Diplotaxis tenuifolia