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 INFORMATIO	DN
File Name:	3671I.GrassyMtn Plan.RCE.V1.xlsm
Cost Data File:	SRCE_Cost_Data_File_1_12_Std_2019.xlsm
Cost Data Date:	August 1, 2019
Cost Data Basis:	User Data Data Cost Units: Imperial
Author/Source:	Nevada Division of Environmental Protection (NDEP) & NV BLM
PROJECT INFORMATION	
Property/Mine Name:	Grassy Mountain Property Code:
Project Name:	Grassy Mountain Mine
Date of Submittal:	November 2019Average Altitude:3700ft.
Select One:	C Notice or Sm Exploration Plan C Lg Exploration Plan Mine Operation
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, Washoe, and White Pine Counties

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# Closure Cost Estimate Cost Summary

# Project Name: Grassy Mountain Mine Project Date: November 2019 Model Version: Version 1.4.1 File Name: 3671I.GrassyMtn Plan.RCE.V1.xIsm

A. Earthwork/Recontouring Exploration Exploration Roads & Drill Pads	Lobor <sup>(1)</sup>	Equipment (2)	Materials	Total
	Labor <sup>(1)</sup> \$335	Equipment \$	\$2	\$436
LADIOLATION RUDUS & DITHER DUS	\$3,900	\$5,258	\$0	\$9,158
Roads	\$52,556	\$96,065	\$0	\$148,621
Well Abandonment	\$7,144	\$19,032	\$1,936	\$28,112
Pits	\$0	\$0	N/A	\$0
Quarries & Borrow Areas Underground Openings	\$3,482 \$5,266	\$5,155 \$2,313	\$0 \$2,104	\$8,637 \$9,683
Process Ponds	\$5,152	\$3,382	\$0	\$8,534
Heaps	\$0	\$0	\$0	\$(
Waste Rock Dumps	\$0	\$0	\$0	\$(
Landfills	\$0	\$0	\$0	\$0
Tailings Foundation & Buildings Areas	\$363,626 \$9,513	\$917,146 \$24,588	\$0 \$0	\$1,280,772
Yards, Etc.	\$35,206	\$88,520	\$0	\$34,10 \$123,720
Drainage & Sediment Control	\$115,881	\$69,850	\$41,556	\$227,28
Generic Material Hauling	\$0	\$0	\$0	\$(
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$(
Other**				\$(
Subtotal	\$602,061	\$1,231,408	\$45,598	\$1,879,063
Mob/Demob if included in Other User sheet	\$0	\$0	\$0	\$0
Mob/Demob	\$2,125	\$2,125	ψυ	\$4,250
Subtotal "A"	\$604,186	\$1,233,533	\$45,598	\$1,883,317
Subistai A	φ00 <del>4</del> ,100	ψ1,200,000	ψ+3,330	ψ1,000,017
B. Revegetation/Stabilization	Labor <sup>(1)</sup>	Equipment (2)	Materials	Total
Exploration Exploration Roads & Drill Pads	\$0 \$1,000	\$0 \$380	\$0 \$3,328	\$( \$4,70
Roads	\$1,000	\$380	\$3,328	\$16,821
Well Abandonment	Ψτι4-11	ψ1,012	\$10,000	\$10,02 N/A
Pits	\$0	\$0	\$0	\$(
Quarries & Borrow Areas	\$5,447	\$2,070	\$18,124	\$25,641
Underground Openings				N//
Process Ponds	\$100	\$38	\$133	\$271
Heaps Waste Back Dumps	\$0	\$0	\$0	\$(
Waste Rock Dumps Landfills	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Tailings	\$10,919	\$4,125	\$35,345	\$50,38
Foundation & Buildings Areas	\$2,300	\$874	\$827	\$4,001
Yards, Etc.	\$11,639	\$4,423	\$33,813	\$49,875
Drainage & Sediment Control	\$180	\$68	\$599	\$847
Generic Material Hauling	\$0	\$0	\$0	\$(
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0
Other**				\$0
Subtotal "B"	\$35,829	\$13,590	\$103,134	\$152,553
		171		
C. Detoxification/Water Treatment/Disposal of Wastes**	Labor <sup>(1)</sup>	Equipment (2)	Materials	Total
Process Ponds/Sludge				\$0
Heaps				\$0
Dumps (Waste & Landfill) Tailings				\$0 \$0
Surplus Water Disposal				\$0
Monitoring	-			
				\$(
Miscellaneous				
Miscellaneous Solid Waste - On Site	\$0	\$0	N/A	\$0 \$0
Miscellaneous Solid Waste - On Site Solid Waste - Off Site	\$0	\$0	N/A	\$( \$( \$1,131
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials				\$0 \$1,13 \$5,317
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Soils	\$0	\$0	\$4,498	\$( \$( \$1,13 \$5,31 \$4,498
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materialis Hydrocarbon Contaminated Soils Other User Costs (from Other User sheet)	\$0 \$0	\$0 \$0	\$4,498 \$0	\$( \$1,13 \$5,317 \$4,499 \$( \$(
Miscellaneous Solid Waste - ON Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Solis Other User Costs (from Other User sheet) Other* Fluid Stabilization - Phase III and Evap	\$0 \$0 \$0 \$50,048	\$0 \$0 <b>\$1,662,906</b>	\$4,498 \$0 <b>\$17,407</b>	\$( \$1,13' \$5,31' \$4,490 \$( \$1,730,36' \$1,730,36'
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materialis Hydrocarbon Contaminated Soils Other User Costs (from Other User sheet)	\$0 \$0	\$0 \$0	\$4,498 \$0	\$( \$1,13' \$5,31' \$4,490 \$( \$1,730,36' \$1,730,36'
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Soils Other User Costs (from Other User sheet) Other* Fluid Stabilization - Phase III and Evap Subtotal "C"	\$0 \$0 \$50,048 \$50,048	\$0 \$0 \$1,662,906 \$1,662,906	\$4,498 \$0 \$17,407 \$21,905	\$6 \$ \$1,13 \$5,51 \$4,490 \$ \$1,730,36 \$1,741,307
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other*         [Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.	\$0 \$0 \$50,048 \$50,048 Labor <sup>(1)</sup>	\$0 \$0 \$1,662,906 \$1,662,906 Equipment <sup>(2)</sup>	\$4,498 \$0 \$17,407 \$21,905 Materials	\$ \$1,13 \$5,31 \$4,49 \$4,49 \$1,730,36 \$1,741,307 Total
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Soils Other User Costs (from Other User sheet) Other ' Fluid Stabilization - Phase III and Evap Subtotal "C" D. Structure, Equipment and Facility Removal, and Misc. Foundation & Buildings Areas	\$0 \$0 \$50,048 \$50,048 Labor <sup>(1)</sup> \$29,261	\$0 \$0 \$1,662,906 \$1,662,906 Equipment <sup>(2)</sup> \$20,258	\$4,498 \$0 \$17,407 \$21,905 Materials \$0	\$( \$(13) \$(13) \$(5,31) \$(4,49) \$( \$1,730,36) \$(1,741,30) Total \$(49,51)\$(49,51)\$(49,51)\$(49,51)\$(49,51)\$(49,51)\$(49,51)\$(49,51)\$(49,51)\$(40,51)\$(40,51)\$(40,51)\$(40,5
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Solis Other User Costs (from Other User sheet) Other*  Fluid Stabilization - Phase III and Evap Subtotal "C" D. Structure, Equipment and Facility Removal, and Misc. Foundation & Buildings Areas Other Demolition	\$0 \$0 \$50,048 \$50,048 \$50,048 \$29,261 \$0 \$0	\$0 \$0 \$1,662,906 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0	\$4,498 \$0 \$17,407 \$21,905 Materials \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous Solid Waste - On Site Solid Waste - Off Site Hazardous Materials Hydrocarbon Contaminated Soils Other User Costs (from Other User sheet) Other Vser Costs (from Other User sheet) Other * Fluid Stabilization - Phase III and Evap Subtotal *C* D. Structure, Equipment and Facility Removal, and Misc. Foundation & Buildings Areas	\$0 \$0 \$50,048 \$50,048 Labor <sup>(1)</sup> \$29,261	\$0 \$0 \$1,662,906 \$1,662,906 Equipment <sup>(2)</sup> \$20,258	\$4,498 \$0 \$17,407 \$21,905 Materials \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - Off Site         Solid Waste - Off Site         Hazardous Materialis         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal	\$0 \$0 \$50,048 \$50,048 <b>Labor</b> (1) \$29,261 \$\$0 \$2,787	\$0 \$0 \$1,662,906 \$1,662,906 Equipment <sup>(2)</sup> \$0,258 \$0 \$4,720	\$4,498 \$0 \$17,407 \$21,905 Materials \$0 \$0	\$6 \$1,3 \$5,31 \$4,49 \$1,730,36 \$1,741,307 <b>Total</b> \$49,51 \$1,50 \$7,50 \$56,67
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other I's         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Installation         Culvert Removal	\$0 \$0 \$50,048 \$50,048 <b>Labor</b> (1) \$29,261 \$2,787 \$41,588 \$2,787 \$41,588 \$3 \$2,787 \$41,588 \$3 \$2,787	\$0 \$0 \$1,662,906 <b>\$1,662,906</b> <b>Equipment</b> <sup>(2)</sup> \$20,258 \$00 \$4,720 \$15,286 \$00 \$43,720 \$15,286 \$00 \$398	\$4,498 \$0 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous Solid Waste - On Site Solid Waste - Of Site Hazardous Materials Hydrocarbon Contaminated Solis Other User Costs (from Other User sheet) Other Vere Costs (from Other User sheet) Other Vere Costs (from Other User sheet) <b>D. Structure, Equipment and Facility Removal, and Misc.</b> Foundation & Buildings Areas Other Demolition Equipment Removal Fence Installation Culvert Removal Pipe Removal Pipe Removal	\$0 \$0 \$50,048 \$50,048 <b>\$50,048</b> <b>\$22,267</b> \$0 \$2,787 \$41,588 \$41,588 \$0 \$1,132 \$0 \$1,132 \$0	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6 \$1,3 \$1,3 \$5,31 \$4,49 \$1,730,36 \$1,730,36 \$1,741,307 <b>Total</b> \$49,511 \$56,67 \$56,57 \$57,57 \$56,57 \$56,57 \$57,57
Miscellaneous         Solid Waste - Of Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (mon Other User sheet)         Other Ver         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Usernolition         Equipment Removal         Fence Removal         Fence Removal         Pipe Removal         Pipe Removal         Powerline Removal	\$0 \$0 \$50,048 \$50,048 \$50,048 \$29,261 \$22,787 \$41,588 \$2,787 \$41,588 \$1,132 \$0 \$57,342	\$0 \$0 \$1,662,906 <b>\$1,662,906</b> <b>Equipment</b> <sup>(2)</sup> \$20,258 \$00 \$4,720 \$15,286 \$00 \$43,720 \$15,286 \$00 \$398	\$4,498 \$0 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - Of Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other 'Iser Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Pence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Powerline Removal	\$0 \$0 \$50,048 \$50,048 <b>Labor</b> (1) \$22,261 \$0 \$2,787 \$41,588 \$2,787 \$41,588 \$5,086 \$0 \$1,132 \$1,132 \$0 \$57,342 \$56,086	\$0 \$0 \$1,662,906 <b>\$1,662,906</b> <b>Equipment</b> <sup>(2)</sup> \$0 \$4,720 \$15,286 \$0 \$398 \$398 \$0 \$0 \$398 \$0	\$4,498 \$0 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6 \$1,3 \$5,31 \$5,31 \$5,31 \$5,31 \$5,31 \$5,31 \$1,730,36 \$1,730,36 \$1,730,36 \$1,730,36 \$1,730 \$56,87 \$56,87 \$556,87 \$556,97 \$556,97 \$556,97
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other Vser Costs (from Other User sheet)         Other Vser Materials         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Pransformer Removal         Rip-rap, rock lining, gabions	\$0 \$0 \$50,048 \$50,048 <b>\$50,048</b> <b>\$2,787</b> \$41,588 \$0 \$1,132 \$0 \$57,342 \$66,086 \$0	\$0 \$0 \$1,662,906 <b>Equipment</b> <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0 \$4,720 \$15,286 \$0 \$338 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$0 \$1,662,906 \$2,005 \$2,0	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 N/A N/A N/A \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6 \$1,3 \$1,3 \$5,31 \$4,49 \$1,730,36 \$1,741,307 <b>Total</b> \$49,51 \$56,67 \$55,67 \$55,67 \$55,67 \$55,67 \$55,34 \$55,34 \$55,049\$\$55,049\$\$\$55,049\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$55,049\$\$\$\$55,049\$\$\$\$55,049\$\$\$\$55,049\$\$\$\$55,049\$\$\$\$55,049\$\$\$\$\$55,049\$\$\$\$\$55,049\$
Miscellaneous         Solid Waste - Of Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other 'Iser Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Pence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Powerline Removal	\$0 \$0 \$50,048 \$50,048 <b>Labor (1)</b> \$29,261 \$0 \$2,787 \$41,588 \$0 \$1,132 \$0 \$1,132 \$0 \$57,342 \$56,086 \$0 \$0 \$0 \$0 \$0 \$0 \$2,787	\$0 \$0 \$1,662,906 <b>Equipment</b> (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materialis         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Pie Removal         Pipe Removal         Powerline Removal         Transformer Removal         Rip-rap, rock lining, gabions         Other Kensonal	\$0 \$0 \$50,048 \$50,048 <b>\$50,048</b> <b>\$2,787</b> \$41,588 \$0 \$1,132 \$0 \$57,342 \$66,086 \$0	\$0 \$0 \$1,662,906 <b>Equipment</b> <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0 \$4,720 \$15,286 \$0 \$338 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$338 \$0 \$0 \$0 \$1,662,906 \$2,005 \$2,0	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 N/A N/A N/A \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6 \$1 \$1,3 \$5,31 \$4,49 \$1,730,36 \$1,741,307 <b>Total</b> \$49,515 \$56,87 \$556,08 \$556,97 \$566,97 \$556,97 \$56
Miscellaneous         Solid Waste - Of Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Rip-rap, rock lining, gabions         Other User Costs         Other User Costs	\$0 \$0 \$50,048 \$50,048 <b>Labor (1)</b> \$29,261 \$0 \$2,787 \$41,588 \$0 \$1,132 \$0 \$1,132 \$0 \$57,342 \$56,086 \$0 \$0 \$0 \$0 \$0 \$0 \$2,787	\$0 \$0 \$1,662,906 <b>Equipment</b> (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6 \$1,13 \$5,317 \$4,496 \$1,730,367 <b>\$1,741,307</b> <b>Total</b> \$49,515 \$7,507 \$56,677 \$56,677 \$56,678 \$1,530 \$57,342 \$57,342 \$57,342 \$56,086 \$1,530 \$55,048 \$57,342 \$57,342 \$57,342 \$55,048 \$55,342 \$55,048 \$55,342 \$55,048 \$55,342 \$55,048 \$55,342 \$55,342 \$55,342 \$55,342 \$55,342 \$55,342 \$55,342 \$55,347\$55,347 \$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347\$55,347\$55,347\$5
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other Vest Costs (from Other User sheet)         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Transformer Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other Wast (from Other User sheet)         Other **	\$0 \$0 \$50,048 \$50,048 \$50,048 <b>Labor</b> (1) \$29,261 \$2,787 \$41,588 \$0 \$1,132 \$0 \$57,342 \$66,086 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$1,662,906 <b>Equipment</b> <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$1,662,906 \$1,662,906 \$2,075 \$2	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6 \$1,13 \$5,317 \$4,496 \$1,730,367 <b>\$1,741,307</b> <b>Total</b> \$49,515 \$7,507 \$56,677 \$56,677 \$56,678 \$1,530 \$57,342 \$57,342 \$57,342 \$56,086 \$1,530 \$55,048 \$57,342 \$57,342 \$57,342 \$55,048 \$55,342 \$55,048 \$55,342 \$55,048 \$55,342 \$55,048 \$55,342 \$55,342 \$55,342 \$55,342 \$55,342 \$55,342 \$55,342 \$55,347\$55,347 \$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347 \$55,347\$55,347\$55,347 \$55,347\$55,347\$55,347\$55,347\$55,347\$5
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materialis         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Transformer Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other "         Subtotal "D"	\$0 \$0 \$50,048 \$50,048 <b>Labor (1)</b> \$29,261 \$0 \$2,787 \$41,588 \$0 \$1,132 \$0 \$1,132 \$0 \$57,342 \$56,086 \$0 \$0 \$1,88,196	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$2 \$40,662	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 N/A N/A \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$( \$(13) \$(13) \$(4,49) \$(4,49) \$(1,730,36' \$(1,741,307) Total \$(49,51) \$(3,7,500) \$(56,877) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,734) \$(5,735) \$(5,755) \$(5
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Installation         Culvert Removal         Powerline Removal         Powerline Removal         Transformer Removal         Rip-rap. rock lining, gabions         Other User Costs (from Other User sheet)         Other "         Subtotal "D"	\$0 \$0 \$50,048 \$50,048 <b>Labor (1)</b> \$29,261 \$2,787 \$41,588 \$00 \$1,132 \$00 \$57,342 \$66,086 \$00 \$57,342 \$66,086 \$00 \$11,132 \$66,086 \$00 \$1,132 \$66,086 \$00 \$00 \$00 \$1,132 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$2 \$40,662 Equipment <sup>(2)</sup>	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 N/A N/A N/A \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$6 \$1,133 \$4,490 \$1,730,367 \$1,741,307 Total \$49,515 \$49,515 \$49,515 \$49,515 \$49,515 \$49,515 \$57,344 \$57,344 \$55,046 \$55,344 \$55,345 \$55,046 \$55,345 \$55,345 \$55,046 \$55,345 \$55,046 \$55,345 \$55,046 \$55,345 \$55,046 \$55,345 \$55,046 \$55,345 \$55,046 \$55,345 \$55,046 \$55,04
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materialis         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Transformer Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other "         Subtotal "D"	\$0 \$0 \$50,048 \$50,048 <b>Labor (1)</b> \$29,261 \$0 \$2,787 \$41,588 \$0 \$1,132 \$0 \$1,132 \$0 \$57,342 \$56,086 \$0 \$0 \$1,88,196	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$2 \$40,662	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 N/A N/A \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6 \$1,33 \$5,31 \$4,49 \$1,730,36 \$1,730,36 \$1,741,307 <b>Total</b> \$49,511 \$55,08 \$55,08 \$556,08
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Installation         Culvert Removal         Pipe Removal         Pipe Removal         Rip-rap, rock lining, gabions         Other Wiser Costs         Other User Sheet)         Other Wise Costs         Other User Sheet)         Other Wise Costs         Physe Removal         Rip-rap, rock lining, gabions         Other Wise Costs         Pother User Costs         Other Wise Co	\$0 \$0 \$50,048 \$50,048 \$50,048 \$20,261 \$22,287 \$41,588 \$0 \$1,132 \$67,342 \$56,086 \$0 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,046 \$0 \$0 \$1,132 \$57,342 \$56,046 \$0 \$1,132 \$57,342 \$50,048 \$0 \$1,132 \$57,342 \$50,048 \$0 \$1,132 \$50,048 \$0 \$1,132 \$50,048 \$0,040 \$0,040\$ \$0,040 \$0,040\$\$0,040\$ \$0,040\$ \$0,040\$\$0,040\$ \$0,040\$\$0,040\$ \$0,040\$ \$0,040\$\$0,040\$ \$0,040\$\$0,040\$ \$0,0	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$40,662 \$0 \$398 \$398 \$398 \$0 \$398 \$0 \$398 \$0 \$0 \$40,662 Equipment <sup>(2)</sup> \$2,583	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materialis         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other Vser Costs (from Other User sheet)         Other Demoliton         Equipment Removal         Fence Removal         Fence Removal         Pipe Removal         Powerline Removal         Transformer Removal         Rip-rap. rock lining, gabions         Other User Costs (from Other User sheet)         Other"         Subtotal "D"	\$0 \$0 \$50,048 \$50,048 <b>Labor (1)</b> \$29,261 \$0 \$2,787 \$41,588 \$0 \$1,132 \$0 \$7,342 \$56,086 \$0 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$0,048 \$0,049\$0,049 \$0,049 \$0,049\$0,049 \$0,049 \$0,049\$0,049 \$0,049 \$0,049\$0,049 \$0,049 \$0,049\$0,049 \$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,049 \$0,049\$0,04	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$398 \$0 \$398 \$0 \$398 \$0 \$0 \$40,662 Equipment (2) \$2,583 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 N/A N/A N/A \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materialis         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Rip-rap, rock liming, gabions         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other #*         Subtotal "D"	\$0 \$0 \$50,048 \$50,048 \$50,048 \$250,048 \$250,048 \$29,261 \$29,261 \$20,26	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$44,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$308 \$0 \$0 \$20 \$0 \$0 \$20 \$0 \$20 \$0 \$20 \$0 \$0 \$20 \$0 \$20 \$0 \$20 \$0 \$20 \$0 \$20 \$0 \$20 \$2	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - Of Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other '' Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other User Costs (from Other User sheet)         Prize Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Ripr-tap. rock lining, gabions         Other User Costs (from Other User sheet)         Subtotal "D"         E. Monitoring         Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "E"	\$0 \$0 \$50,048 \$50,048 \$50,048 \$2,787 \$41,588 \$0 \$1,132 \$67,342 \$66,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$0 \$19,244 \$19,244	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$2,585 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - Of Site         Solid Waste - Of Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other "Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other User Costs (from Other User sheet)         Cutvert Removal         Fence Installation         Cutvert Removal         Prece Installation         Cutvert Removal         Powerline Removal         Prese Installation         Cutvert Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other "         Subtotal "D"         E. Monitoring         Reclamation Monitoring and Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "D"         F. Construction Management & Support	\$0 \$0 \$50,048 \$50,048 \$50,048 \$2,787 \$41,588 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$57,342 \$5,048 \$0 \$1,132 \$0 \$1,132 \$57,342 \$5,048 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$30 \$0 \$0 \$0 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,588 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Solis         Other User Costs (from Other User sheet)         Other "         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other "         Subtotal "D"         E. Monitoring         Reclamation Monitoring and Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "E"         F. Construction Management & Support         Construction Management	\$0 \$0 \$50,048 \$50,048 \$250,048 \$250,048 \$250,048 \$20,048 \$0 \$22,787 \$41,588 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$41,720 \$15,286 \$0 \$398 \$398 \$0 \$398 \$398 \$0 \$398 \$30 \$30 \$30 \$30 \$0 \$40,662 Equipment (2) \$2,583 Equipment (2) \$6,109	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - Of Site         Solid Waste - Of Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other "Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other User Costs (from Other User sheet)         Cutvert Removal         Fence Installation         Cutvert Removal         Prece Installation         Cutvert Removal         Powerline Removal         Prese Installation         Cutvert Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other "         Subtotal "D"         E. Monitoring         Reclamation Monitoring and Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "D"         F. Construction Management & Support	\$0 \$0 \$50,048 \$50,048 \$50,048 \$2,787 \$41,588 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$0 \$1,132 \$0 \$1,132 \$57,342 \$5,048 \$0 \$1,132 \$0 \$1,132 \$57,342 \$5,048 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$30 \$0 \$0 \$0 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,588 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Removal         Powerline Removal         Powerline Removal         Powerline Removal         Powerline Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other '*         Subtotal "D"         E. Monitoring         Reclamation Monitoring and Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "E"         F. Construction Management & Support         Construction Management         Construction Management         Construction Support         Road Maintenance         Other User Costs (from Other User sheet)         Subtotal "E" <td>\$0           \$0           \$50,048           \$50,048           \$50,048           \$20,261           \$29,261           \$27,87           \$41,588           \$0           \$27,342           \$60,086           \$0           \$11,132           \$57,342           \$60,086           \$0           \$188,196           Labor (1)           \$19,244           \$0           \$0           \$19,244           \$0           \$30           \$319,244           \$30           \$32,000           \$32,000</td> <td>\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,266 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$30 \$0 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td> <td>\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0</td> <td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td>	\$0           \$0           \$50,048           \$50,048           \$50,048           \$20,261           \$29,261           \$27,87           \$41,588           \$0           \$27,342           \$60,086           \$0           \$11,132           \$57,342           \$60,086           \$0           \$188,196           Labor (1)           \$19,244           \$0           \$0           \$19,244           \$0           \$30           \$319,244           \$30           \$32,000           \$32,000	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,266 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$30 \$0 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Installation         Culvert Removal         Pipe Removal         Powerline Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Subtotal "D"         E. Monitoring         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "E"         F. Construc	\$0           \$0           \$50,048           \$50,048           \$50,048           \$20,261           \$29,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$21,132           \$56,086           \$0           \$10           \$10           \$10           \$188,196           Labor (1)           \$19,244           \$0           \$19,244           \$0           \$32,000           \$20           \$20,000	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Removal         Powerline Removal         Powerline Removal         Powerline Removal         Powerline Removal         Rip-rap, rock lining, gabions         Other User Costs (from Other User sheet)         Other '*         Subtotal "D"         E. Monitoring         Reclamation Monitoring and Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "E"         F. Construction Management & Support         Construction Management         Construction Management         Construction Support         Road Maintenance         Other User Costs (from Other User sheet)         Subtotal "E" <td>\$0           \$0           \$50,048           \$50,048           \$50,048           \$20,261           \$29,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$21,132           \$56,086           \$0           \$10           \$10           \$10           \$188,196           Labor (1)           \$19,244           \$0           \$19,244           \$0           \$32,000           \$20           \$20,000</td> <td>\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td> <td>\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0</td> <td>\$49,515 \$5,677 \$5,677 \$5,677 \$5,677 \$5,927 \$5,928 \$5,927 \$</td>	\$0           \$0           \$50,048           \$50,048           \$50,048           \$20,261           \$29,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$20,261           \$21,132           \$56,086           \$0           \$10           \$10           \$10           \$188,196           Labor (1)           \$19,244           \$0           \$19,244           \$0           \$32,000           \$20           \$20,000	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$49,515 \$5,677 \$5,677 \$5,677 \$5,677 \$5,927 \$5,928 \$5,927 \$
Miscellaneous         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other ''         Fluid Stabilization - Phase III and Evap         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Fence Removal         Powerline Removal         Pipe Removal         Powerline Removal         Rip-rap, rock lining, gabions         Other Viser Costs (from Other User sheet)         Subtotal "D"         E. Monitoring         Reclamation Monitoring and Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "E"         F. Construction	\$0 \$0 \$50,048 \$50,048 \$50,048 \$2,048 \$2,787 \$41,588 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$57,342 \$56,086 \$0 \$1,132 \$0 \$1,132 \$0 \$0 \$1,132 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$1,662,906 Equipment (2) \$20,258 \$0 \$4,720 \$15,286 \$0 \$398 \$398 \$0 \$398 \$0 \$398 \$0 \$398 \$0 \$30 \$0 \$30 \$0 \$40,662 Equipment (2) \$2,583 \$0 \$2,583 Equipment (2) \$3,542 \$5,542 \$5,542 \$5,542 \$5,542 \$1,2455 \$0 \$0 \$0 \$2,583	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$6 \$1,33 \$4,490 \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,533,36' \$228,856 Total \$31,756 \$31,756 \$331,756 \$33,100 \$33,542 \$224,422 \$34,500 \$35,542 \$35,
Miscellaneous         Solid Waste - On Site         Solid Waste - Off Site         Hazardous Materials         Hydrocarbon Contaminated Soils         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Other User Costs (from Other User sheet)         Subtotal "C"         D. Structure, Equipment and Facility Removal, and Misc.         Foundation & Buildings Areas         Other Demolition         Equipment Removal         Fence Removal         Pipe Removal         Pipe Removal         Powerline Removal         Pipe Removal         Powerline Removal         Rip-rap. rock lining, gabions         Other User Costs (from Other User sheet)         Subtotal "D"         E. Monitoring         Reclamation Monitoring and Maintenance         Ground and Surface Water Monitoring         Other User Costs (from Other User sheet)         Subtotal "E"         F. Construction Management <td>\$0           \$0           \$50,048           \$50,048           \$50,048           \$20,261           \$29,261           \$20,261           \$27,87           \$41,588           \$0           \$27,342           \$56,048           \$0           \$57,342           \$56,086           \$0           \$188,196           Labor (1)           \$19,244           \$0           \$30           \$319,244           \$30           \$32,000           \$0           \$32,000           \$0           \$30,000</td> <td>\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,266 \$0 \$398 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$30 \$0 \$0 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td> <td>\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0</td> <td>\$6 \$1,33 \$4,490 \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,533,36' \$228,856 Total \$31,756 \$31,756 \$331,756 \$33,100 \$33,542 \$224,422 \$34,500 \$35,542 \$35,</td>	\$0           \$0           \$50,048           \$50,048           \$50,048           \$20,261           \$29,261           \$20,261           \$27,87           \$41,588           \$0           \$27,342           \$56,048           \$0           \$57,342           \$56,086           \$0           \$188,196           Labor (1)           \$19,244           \$0           \$30           \$319,244           \$30           \$32,000           \$0           \$32,000           \$0           \$30,000	\$0 \$0 \$1,662,906 Equipment <sup>(2)</sup> \$20,258 \$0 \$4,720 \$15,266 \$0 \$398 \$0 \$398 \$0 \$0 \$398 \$0 \$0 \$30 \$0 \$0 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$2,583 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,498 \$00 \$17,407 \$21,905 Materials \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$0	\$6 \$1,33 \$4,490 \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,730,36' \$1,533,36' \$228,856 Total \$31,756 \$31,756 \$331,756 \$33,100 \$33,542 \$224,422 \$34,500 \$35,542 \$35,

\*\* Other Operator supplied costs - additional documentation required.

# **Closure Cost Estimate Cost Summary**

# Project Name: Grassy Mountain Mine Project Date: November 2019 Model Version: Version 1.4.1 File Name: 3671I.GrassyMtn Plan.RCE.V1.xIsm

Indirect Costs		Include?	Total
<ol> <li>Engineering, Design and Construction (ED&amp;C) Plan (7)</li> </ol>			\$246,052
2. Contingency (8)			\$328,069
3. Insurance (9)	\$14,078		\$14,078
4. Performance Bond (10)			\$123,026
5. Contractor Profit (11)			\$410,087
6. Contract Administration (12)			\$328,069
7. Government Indirect Cost (13)			\$68,894
Subtotal Add-On Costs			\$1,518,275
Total Indirect Costs as % of Direct Cost			37%
			\$5 610 1/2

GRAND TOTAL

\$5,619,142

		Cost Ranges	for Indirect Cost	Percentages	
	<=	<=	<=	>	
1. Engineering, Design and Construction (ED&C) Plan (7)	\$1,000,000	\$25,000,000		\$25,000,000	Small Plar
Variable Rate	8%	6%		4%	0%
	-	<=	<=	~	
2. Contingency (8)	\$500,000	\$5,000,000	\$50,000,000	\$50,000,000	Small Plar
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&N	1 costs are >\$100,000		
5. Contractor Profit (11)	10%	of the O&M costs			
		<=	<=	>	
6. Contract Administration (12)	\$1,000,000	\$25,000,000		\$25,000,000	
Variable Rate	10%	8%		6%	
Government Indirect Cost (13)	21%	of contract administration	n		

RECLAMATION COST ESTIMATION SUMMARY SHEET FOOTNOTES

ECLAMATION 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
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
Handling of hazardous materials include the cost of decontaminating, neutralizing, disposing, treating and/or isolating all hazardous materials used,
Any mitigation measures required in the Plan of Operations must be included in the reclamation cost estimate. Mitigation may include measures to avoid,
Engineering, design and construction (ED&C) plans are often necessary to provide details on the reclamation needed to contract for the required work. To
A contingency cost is included in the total labor costs. Enter the premium amount if liability insurance is not included in the itemized unit
Federal construction contracts, use 10% of estimated 0&& cost for the contractor's profit.
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
Government indirect cost rate is 21% of the contract administration costs.

Exploration - Cost Summary				
	Labor	Equipment	Materials	Totals
Hole Abandonment Costs	\$335	\$99	\$2	\$436
Trench Backfilling Costs	\$0	\$0		\$0
Subtotal Earthworks	\$335	\$99	\$2	\$436
Trench Revegetation Costs	\$0	\$0	\$0	\$0
TOTALS	\$335	\$99	\$2	\$436

# Exploration Drillhole Abandonment - User Input

	Facility Description					Hole P	lugging			
	Description (required)	ID Code	Hole Type (select)	Diameter in	Total Number of Holes	Max Holes Open at One Time	Casing to Remove ft	Average Depth of Hole <sup>(1)</sup> ft bgs	Depth to Water ft bgs	Hole Plug Method (select)
1	Drill Holes		Core	3.0	20.0	1.0	0.0	100.0	500.0	Grout + Backfill

Notes:

1. If core holes are pre-drilled, use length of hole below pre-drilled length

2. If Top Plug is selected, assumes maximum 1/2hr laborer time to place plug and backfill with cuttings/soil (including move-to/set up time).

Drilling depth will range between 40 -100 feet bgs.

# Exploration Trenches - User Input

Exploration menches - Oser input												
Facility Description			Tre	ench Paramet	ers			Backfill			Revegetation	L
Description (required)	ID Code	Trench Length ft	Trench Depth ft	Trench Bottom Width ft	Trench Sideslope Angle degrees	Additional Hrs for Walk-in <sup>(1)</sup> hr	Backfill Material (select)	Cut Material Type (select)	Backfilling Fleet (select)	Seed Mix (select)	Mulch (select)	Fertilizer (select)

Notes:

1. Include one-way hours necessary to walk equipment in from drop-off point to work area

2. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

Exp	loration Drillhole Abandonment													
	F		1	1			Total	Casing	Casing					
	Description (required)	Vol/foot of depth ft3	Hole Plugging Material <sup>(1)</sup>	Total Grout Volume <sup>(2)</sup> cy	Total Cuttings Volume cy	Total Top Seal Volume <sup>(3,4)</sup> cy	Drillhole Abandon. Hours <sup>(6,7)</sup> hrs	Removal Labor Cost <sup>(5)</sup> \$	Casing Removal Equipment Cost \$	Plugging Labor Cost \$	Plugging Equipment Cost \$	Plugging Material Cost \$	Top Seal Material Cost <sup>(2,3)</sup> \$	Total Cost <sup>(6,7)</sup> \$
1	Drill Holes	0.050	Cuttings	0.00	0.15	0.05	3	\$0	\$0	\$335	\$99	\$0	\$2	\$436
					0.15	0.05	3	\$0	\$0	\$335	\$99	\$0	\$2	\$436

Notes:

1. Assumes grout backfill from bottom of hole to 50' (15.24m) above static water level, up to 10' (3m) from top of hole

2. Assumes 25% loss to formation for grout backfill

3. If "Top Plug" hole plug method is used, assumes physical plug installed without backfill, grout or cement. Not available option for Nevada projects

4. Assumes top 20' (6 m) of hole is plugged with cement if "Grout Only", "Backfill + Grout", or "Cement Plug" hole plug method are chosen.

5. Assumes that a) casing is not cemented entire length, b) does not include temporary surface casing

6. Assumes minimum 1 hr per hole for abandonment (excluding move-to and casing removal)

7. Assumes fixed hours per hole for setup & tear-down and moving between holes (see Productivty Sheet) per drill hole (includes rig time if grouting required, labor crew only if cuttings backfill only)

# Exploration Roads & Pads - Cost Summary

	Labor	Equipment	Materials	Totals
Grading Costs	\$3,900	\$5,258	N/A	\$9,158
Cover Placement Cost	\$0	\$0	N/A	\$0
Ripping/Scarifying Cost	\$0	\$0	N/A	\$0
Subtotal Earthworks	\$3,900	\$5,258		\$9,158
Revegetation Cost	\$1,000	\$380	\$3,328	\$4,708
TOTALS	\$4,900	\$5,638	\$3,328	\$13,866

E>	xploration Roads & Pads - User Input			You must fill in A	LL green cells	and relevant bl	ue cells in this	section for each	road								
	Facility Description					Pł	nysical (1) - N	MANDATORY					User O	verrides		Growth Medi	а
	Description (required)	ID Code	Underlying Ground Slope % grade	Ungraded Slope _H:1V	Cut Slope degrees	Road + Drill Pad Length ft	Road Width ft	Number of Drill Pads	Individual Sump Volume cy	Drill Pad Width ft	Drill Pad Length ft	Slope Replacement Percent %	Regrade Volume (if calculated elsewhere) cy	Disturbed Area (if calculated elsewhere) acres	Growth Media Thickness in	Distance to Growth Media Stockpile ft	Slope from Road to Stockpile % grade
	1 Exploration Surface Disturbance		5.0	1.3	53.0	31,950	12.0	65	60	30.0	30	100%		10.00			

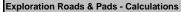
Notes: 1. All Physical parameters must be input even if manual overrides for volume or area are used. 2. Stope replacement refers to the percentage of cut volumn replaced during regrading. 3. If Stope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivity Sheet) 3. If Stope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivity Sheet) 4. Sump volume will be applied to all roads on slopes <20%. On slopes >20% pad width (i.e. cut volume) should be adequate to account for sump volume.

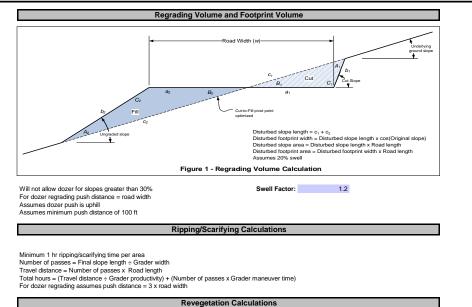
Exp	bloration Roads & Pads - User Input (cont.)		You must fill in AL	L green cells and	I relevant blue	cells in this sec	tion for each ro	ad						
			Grad	ding			Growt	h Media			F	Revegetation		
	Description (required)	Regrade Material Condition (select)	Cut Material Type (select)	Recontouring Equipment Fleet (select)	Additional Hrs for Walk-in <sup>(1)</sup>	Growth Media Material Type (select)	Growth Media Placement Equipment Fleet (select)	Maximum Fleet Size (user override)	Additional Hrs for Walk-in <sup>(1)</sup>	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarifying/ Ripping? (select)	Ripping Fleet (select)
1	Exploration Surface Disturbance	1	Alluvium	Small Dozer						Mix 2	None	None	No	Small Dozer

Notes:

Include <u>one-way</u> hours necessary to walk equipment in from drop-off point to work area
 Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

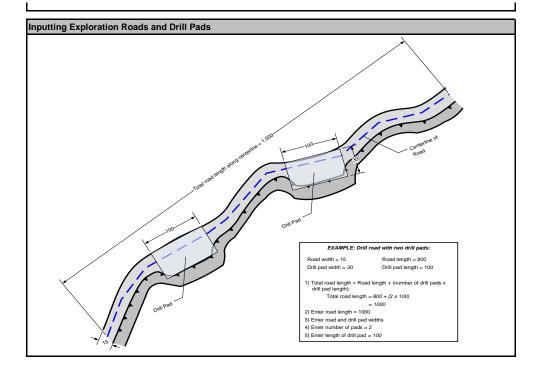
#### Exploration Roads & Pads - Cost Summary Labo Equipment Materia **fota** Grading Costs \$3,900 N/A Cover Placement Cost \$0 N/A \$0 \$ Ripping/Scarifying Cost \$0 \$0 N/A \$ Subtotal Earthwor \$3,900 \$5,258 \$9,158 Revegetation Cost \$1,000 \$380 \$4,708 \$3,32 τοτα \$4,900 \$5,638 \$3,328 \$13,866





Minimum of 1 acre crew time per area

	Labor	Equipment	Materials	Totals
Grading Costs	\$3,900	\$5,258	N/A	\$9,158
Cover Placement Cost	\$0	\$0	N/A	\$0
Ripping/Scarifying Cost	\$0	\$0	N/A	\$0
Subtotal Earthworks	\$3,900	\$5,258		\$9,158
Revegetation Cost	\$1,000	\$380	\$3,328	\$4,708
TOTALS	\$4,900	\$5.638	\$3.328	\$13,866



Ioration Roads & Pads - Cost Summary				
	Labor	Equipment	Materials	Totals
Grading Costs	\$3,900	\$5,258	N/A	\$9,158
Cover Placement Cost	\$0	\$0	N/A	\$0
Ripping/Scarifying Cost	\$0	\$0	N/A	\$0
Subtotal Earthworks	\$3,900	\$5,258		\$9,158
Revegetation Cost	\$1,000	\$380	\$3,328	\$4,708
TOTALS	\$4,900	\$5,638	\$3,328	\$13,866

Exp	Ioration Roads & Pads - Regrading Costs									
	Description (required)	Total Road Length ft	Total Drill Pad Length ft	Regrading Volume cy	Recontouring Fleet	Equipment Productivity cy/hr	Total Equipment Hours <sup>(1)</sup> hr	Total Labor Cost \$	Total Equipment Cost \$	Total Regrading Cost \$
1	Exploration Surface Disturbance	30,000	1,950	5,521	D6R	98	56	\$3,900	\$5,258	\$9,158
		30,000	1,950	5,521			56	\$3,900	\$5,258	\$9,158

(1) Includes walk-in time based on distance and travel speed (see Productivity sheet for speeds)

Exploration Roads & Pads - Growth M	ledia Costs							
Description (required)	Growth Media Volume cy	Growth Media Replacement Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Growth Media Cost \$
1 Exploration Surface Disturbance						\$0	\$0	\$C
						\$0	\$0	\$(

Expl	oration Roads & Pads - Scarifying/Reveget	ation Cost	S										
Description (required)         Surface acres         Ripping/Scarifying Filed         Ripping Hours         Ripping Costs         Ripping Equipment         Total Ripping         Revegetation Labor         Revegetation Equipment         Revegetation Equipment         Revegetation Costs         Revegetation Cost         Reveg													
1	Exploration Surface Disturbance	10.00						\$1,000	\$380	\$3,328	\$4,708		
		10.00			\$0	\$0	\$0	\$1,000	\$380	\$3,328	\$4,708		

	Labor	Equipment	Materials	Totals
Embankment Regrading Cost	\$2,995	\$9,660	N/A	\$12,655
Tailings Surface Grading Cost	\$100,142	\$323,032	N/A	\$423,174
Cover Placement Cost	\$78,668	\$177,701	N/A	\$256,369
Topsoil Placement Cost	\$176,737	\$399,226	N/A	\$575,963
Ripping/Scarifying Cost	\$5,084	\$7,527	N/A	\$12,611
Subtotal Earthworks	\$363,626	\$917,146	\$0	\$1,280,772
Revegetation Cost	\$10,919	\$4,125	\$35,345	\$50,389
TOTALS	\$374,545	\$921.271	\$35,345	\$1.331.161

Tai	ilings - User Input					You must fill	in ALL green	cells and relev	ant blue cells i	n this section	for each tailings ir	npoundment						
	Facility Description				P	hysical - MA	NDATORY					Co	ver			Grov	vth Media	
	Description (required)	ID Code	Underlying Ground Slope % Grade	Ungraded Slope _H:1V	Final (Regraded) Embankment Slope _H:1V	Final Embankment Height ft	Final Tailings Surface Area acres	Mid- Embankment or Ripping Length ft	Embankment Regrade Volume (if calculated elsewhere) Cy	Surface Regrade Volume (calculated elsewhere) Cy	Embankment Cover Thickness in	Tailings Surface Cover Thickness in	Distance from Cover Borrow ft	Slope from Tailings to Borrow % grade	Embankment Growth Media Thickness in	Tailings Surface Growth Media Thickness in	Distance from Growth Material Stockpile ft	Slope from Tailings to Stockpile % grade
1	1 Tailing Storage Facility T01 3.0 1.3 2.5 70 98.80 1,683											12.0	1,359	3.7	24.0	24.0	1,740	-0.9

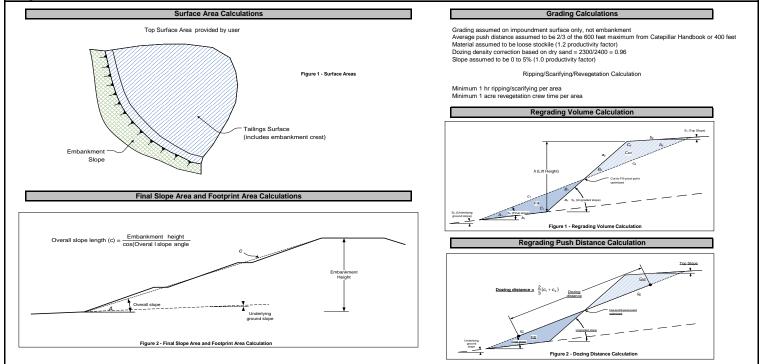
Notes: 1. All Physical parameters must be input even if manual overrides for volume or area are used. 2. If Slope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivty Sheet) All waste rock will be used for backfill and cover for the tailing facility.

Taili	ings - User Input (cont.)				You must fill i	in ALL green c	ells and relevation	ant blue cells	in this section f	or each tailing	gs impoundment							
			Gradi	ng		Co	ver	Grow	th Media					Revegetation				
	Description (required)	Regrading Material Condition (select)	Embankment Material Type (select)	Regrading Equipment Fleet (select)	Slot/Side-by- Side (select)	Cover Material Type (select)	Cover Placement Equipment Fleet (select)	Growth Media Material Type (select)	Growth Media Equipment Fleet (select)	Seed Mix Embankment Slope (select)	Seed Mix Tailings Surface (select)		Mulch Tailings Surface (select)	Fertilizer Embankment Slopes (select)		Embankment Slope Scarify/ Rip? (select)	Tailings Surface Scarify/ Rip? (select)	Scarifying/ Ripping Fleet (select)
1	Tailing Storage Facility	1.2	Gravel	Med	No	LS - crushed	Small Truck	Alluvium	Small Truck	Mix 2	Mix 2	None	None	None	None	Yes	Yes	Small Dozer

Notes: 1. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

	Labor	Equipment	Materials	Totals
Embankment Regrading Cost	\$2,995	\$9,660	N/A	\$12,655
Tailings Surface Grading Cost	\$100,142	\$323,032	N/A	\$423,17
Cover Placement Cost	\$78,668	\$177,701	N/A	\$256,36
Topsoil Placement Cost	\$176,737	\$399,226	N/A	\$575,96
Ripping/Scarifying Cost	\$5,084	\$7,527	N/A	\$12,61
Subtotal Earthworks	\$363,626	\$917,146	\$0	\$1,280,773
Revegetation Cost	\$10,919	\$4,125	\$35,345	\$50,38
TOTALS	\$374,545	\$921,271	\$35,345	\$1.331.16

# Tailings - Calculations



	Labor	Equipment	Materials	Totals
Embankment Regrading Cost	\$2,995	\$9,660	N/A	\$12,655
Tailings Surface Grading Cost	\$100,142	\$323,032	N/A	\$423,174
Cover Placement Cost	\$78,668	\$177,701	N/A	\$256,369
Topsoil Placement Cost	\$176,737	\$399,226	N/A	\$575,963
Ripping/Scarifying Cost	\$5,084	\$7,527	N/A	\$12,611
Subtotal Earthworks	\$363,626	\$917,146	\$0	\$1,280,772
Revegetation Cost	\$10,919	\$4,125	\$35,345	\$50,389
TOTALS	\$374.545	\$921,271	\$35,345	\$1,331,161

Tailii	ngs - Embankment Regrading Costs														
Produ	Productivity = Dozer Productivity x Grade Correction x Density Correction x Operator (0.75) x Material x Visibility x Job Efficiency (0.83) x (Slot/Side-by-Side) x (Altitude Deration)														
	Description Regrading Volume (see above) c t t t t t t t t t t t t t t t t t t														
1	Tailing Storage Facility	46,674	101	D9R	1,160	1.40	1.20	0.90	1.00	1,092	43	\$2,995	\$9,660		
_		46,674									43	\$2,995	\$9,660	\$12,655	

Taili	ngs - Surface Regrading Costs														
Prod	Productivity = Dozer Productivity x Grade Correction x Density Correction x Operator (0.75) x Material x Visibility x Job Efficiency (0.83) x (Slot/Side-by-Side) x (Altitude Deration)														
	Description (required) Cy ft Cy ft C														
1	Tailing Storage Facility	326,314	400	D9R	317	1.00	0.96	1.20	1.00	227	1,438	\$100,142	\$323,032	\$423,174	
		326,314									1,438	\$100,142	\$323,032	\$423,174	

Taili	ings - Cover and Growth Media Costs																
					Cover Place	cement							Growth Medi	a Placement			
	Description (required)	Cover Volume	Cover Placement Fleet	Cover Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Cover Placement Cost \$	Growth Media Volume cy	Growth Media Placement Fleet	Growth Media Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Growth Media Cost \$
1	Tailing Storage Facility	159,397	725/966G/D7R	538	3	296	\$78,668	\$177,701	\$256,369	342,737	725/966G/D7R	515	3	665	\$176,737	\$399,226	
		159,397				296	\$78,668	\$177,701	\$256,369	342,737				665	\$176,737	\$399,226	\$575,963

Tail	Tailings - Scarifying/Revegetation Costs														
	Description (required)	Embankment Slope Area acres	Tailings Surface Area acres	Total Surface Area acres	Final Slope Length ft	Ripping/ Scarifying Fleet	Slope Scarifying/ Ripping Hours hrs	Flat Area Scarifying/ Ripping Hours hrs	Scarifying/ Ripping Labor Cost \$	Scarifying/ Ripping Equipment Cost \$	Total Scarifying/ Ripping Cost \$	Revegetation Labor Cost \$	Revegetation Equipment Cost \$	Revgetation Material Cost \$	Total Revegetation Cost \$
1	Tailing Storage Facility	7.42	98.80	106.22	192	D7R	5	68	\$5,084	\$7,527	\$12,611	\$10,919	\$4,125	\$35,345	\$50,389
		7.42	98.80	106.22			5	68	\$5,084	\$7,527	\$12,611	\$10,919	\$4,125	\$35,345	\$50,389

# Roads - Cost Summary

	Labor	Equipment	Materials	Totals
Grading Costs	\$23,712	\$30,922	N/A	\$54,634
Cover Placement Cost	\$25,983	\$60,918	N/A	\$86,901
Ripping/Scarifying Cost	\$2,861	\$4,225	N/A	\$7,086
Subtotal Earthworks	\$52,556	\$96,065		\$148,621
Revegetation Cost	\$4,244	\$1,612	\$10,965	\$16,821
TOTALS	\$56,800	\$97,677	\$10,965	\$165,442

Road	ads - User Input     You must fill in ALL green cells and relevant blue cells in this section for each road													
	Facility Description					Physical (1) -	MANDATORY			User O	verrides		Growth Media	
	Description (required)	ID Code	Туре	Underlying Ground Slope % grade	Ungraded Slope _H:1V	Cut Slope degrees	Road Width ft	Road Length ft	Slope Replacement Percent %	Regrade Volume (if calculated elsewhere) cy	Disturbed Area (if calculated elsewhere) acres	Growth Media Thickness in	Haul Distance from Growth Media Stockpile ft	Slope from Road to Stockpile % grade
1	Access Road	R01	Access Road	6.0	1.5	0.0	30.0	3,578	100%		2.50	12.0	1,752	-1%
2	Plant Road	R02a	Project Road	6.0	1.5	0.0	24.0	513	100%		0.28	12.0	4,918	-2%
3	Plant Road	R02b	Project Road	6.0	1.5	0.0	12.0	930	100%		0.26	12.0	4,918	-2%
4	Mine Road	R03	Project Road	7.0	1.5	0.0	25.0	480	100%		0.28	12.0	4,918	-2%
5	Mine Road	R04a	Project Road	5.0	1.5	0.0	50.0	3,049	100%		3.48	12.0	1,740	-1%
6	Mine Road	R04b	Project Road	5.0	1.5	0.0	30.0	6,078	100%		4.20	12.0	1,740	-1%
7	Mine Road	R05	Project Road	5.0	1.5	0.0	15.0	197	100%		0.07	12.0	2,007	-2%
8	Mine Road	R06	Project Road	10.0	1.5	34.0	15.0	210	100%		0.07	12.0	2,417	-4%
9	Mine Road	R07	Project Road	10.0	1.5	34.0	20.0	313	100%		0.14	12.0	3,129	-2%
10	Mine Road	R08	Project Road	11.0	1.5	34.0	18.0	190	100%		0.09	12.0	4,968	-1%
11	Mine Road	R09	Project Road	6.0	1.5	0.0	50.0	237	100%		0.28	12.0	5,478	-1%
12	Mine Road	R10	Project Road	25.0	1.5	34.0	16.0	6,644	100%		2.47	12.0	7,076	-3%
13	Mine Road	R11	Project Road	15.0	1.5	34.0	20.0	1,306	100%		0.60	12.0	1,821	0%
14	Mine Road	R12	Project Road	0.0	1.5	0.0	15.0	480	100%		0.17	12.0	4,918	-2%
15	Mine Road	R13	Project Road	15.0	1.5	34.0	50.0	339	100%		0.39	12.0	6,079	-2%
16	Haul Road	HR01	Haul Road	6.0	1.5	0.0	51.0	205	100%		0.24	12.0	3,278	-3%
17	Haul Road	HR02	Haul Road	21.0	1.5	34.0	68.0	911	100%		1.43	12.0	6,978	-2%
18	Haul Road	HR03	Haul Road	15.0	1.5	34.0	68.0	4,228	100%		6.51	12.0	5,609	-2%
19	Haul Road	HR04	Haul Road	12.0	1.5	34.0	51.0	945	100%		1.11	12.0	2,605	-1%
20	Haul Road	HR05	Haul Road	22.0	1.5	34.0	68.0	389	100%		0.63	12.0	7,753	-2%
21	Perimeter Fence Road	F01	Project Road	15.0	1.5	34.0	15.0	22,480	100%		7.74			

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, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivty Sheet)
3. Because the work required for building roads with a dozer is similar to that required to regrade a road with a dozer, this sheet could be used to provide a rough estimate of road construction costs if a dozer is selected as the grading fleet.

Roads - Cost Summary											
	Labor	Equipment	Materials	Totals							
Grading Costs	\$23,712	\$30,922	N/A	\$54,634							
Cover Placement Cost	\$25,983	\$60,918	N/A	\$86,901							
Ripping/Scarifying Cost	\$2,861	\$4,225	N/A	\$7,086							
Subtotal Earthworks	\$52,556	\$96,065		\$148,621							
Revegetation Cost	\$4,244	\$1,612	\$10,965	\$16,821							
TOTALS	\$56,800	\$97,677	\$10,965	\$165,442							

Roa	ds - User Input (cont.)					
			Haul	Road Safety E	Berms	
	Description (required)	Berm Length ft	Berm Height ft	Berm Base Width ft	Berm Sideslope Angle _H:1V	Number of Berms (2) (1 or 2 sides)
1	Access Road	3,578.0	2.0	6.0	1.5	2
2	Plant Road					
3	Plant Road					
4	Mine Road	480.0	4.0	12.0	1.5	2
5	Mine Road	3,049.0	2.0	6.0	1.5	2
6	Mine Road	6,078.0	2.0	6.0	1.5	2
7	Mine Road	197.0	2.0	6.0	1.5	2
8	Mine Road	210.0	2.0	6.0	1.5	2
9	Mine Road	313.0	2.0	6.0	1.5	2
10	Mine Road	190.0	2.0	6.0	1.5	2
11	Mine Road	237.0	2.0	6.0	1.5	1
12	Mine Road	6,644.0	2.0	6.0	1.5	1
13	Mine Road	1,306.0	2.0	6.0	1.5	1
14	Mine Road					
15	Mine Road	6,079.0	4.0	12.0	1.5	1
16	Haul Road	205.0	4.0	12.0	1.5	2
17	Haul Road	911.0	4.0	12.0	1.5	2
18	Haul Road	4,228.0	4.0	12.0	1.5	2
19	Haul Road	945.0	4.0	12.0	1.5	2
20	Haul Road	389.0	4.0	12.0	1.5	2
21	Perimeter Fence Road					

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

# Roads - Cost Summarv

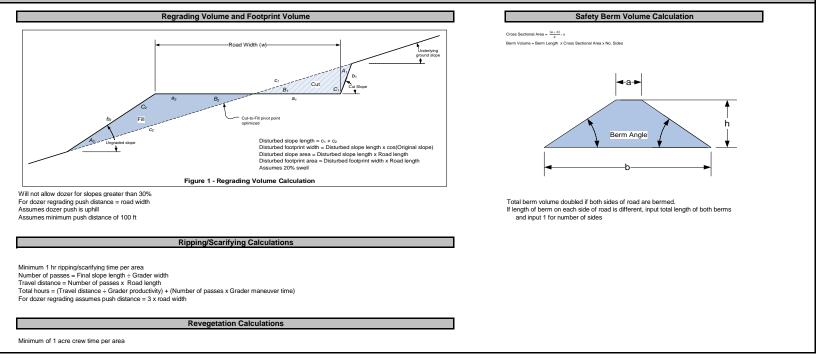
	Labor	Equipment	Materials	Totals
Grading Costs	\$23,712	\$30,922	N/A	\$54,634
Cover Placement Cost	\$25,983	\$60,918	N/A	\$86,901
Ripping/Scarifying Cost	\$2,861	\$4,225	N/A	\$7,086
Subtotal Earthworks	\$52,556	\$96,065		\$148,621
Revegetation Cost	\$4,244	\$1,612	\$10,965	\$16,821
TOTALS	\$56,800	\$97,677	\$10,965	\$165,442

Road	Roads - User Input (cont.) You must fill in ALL green cells and relevant blue cells in this section for each road												
			Gra	ding			Growth Media				Revegetation		
	Description (required)	Regrading Material Condition (select)	Regrading Material Type (select)	Regrading Equipment Fleet (select)	No. of Excavators if grade >30% (select)	Growth Media Material Type (select)	Cover Placement Equipment Fleet (select)	Maximum Fleet Size (user override)	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarifying/ Ripping? (select)	Ripping Fleet (select)
1	Access Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
2	Plant Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
3	Plant Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
4	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
5	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
6	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
7	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
8	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
9	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
10	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
11	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
12	Mine Road	1	Alluvium	Sm Excavator	1	Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
13	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
14	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
15	Mine Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
16	Haul Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
17	Haul Road	1	Alluvium	Sm Excavator	1	Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
18	Haul Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
19	Haul Road	1	Alluvium	Sm Excavator		Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
20	Haul Road	1	Alluvium	Sm Excavator	1	Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer
21	Perimeter Fence Road	1	Alluvium	Sm Excavator					Mix 2	None	None	Yes	Small Dozer

Notes: 1. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table 2. If original slope >30% only excavators are allowed.

Roads - Cost Summary										
		Labor	Equipment	Materials	Totals					
Grading Costs		\$23,712	\$30,922	N/A	\$54,634					
Cover Placement Cost		\$25,983	\$60,918	N/A	\$86,901					
Ripping/Scarifying Cost		\$2,861	\$4,225	N/A	\$7,086					
Su	btotal Earthworks	\$52,556	\$96,065		\$148,621					
Revegetation Cost		\$4,244	\$1,612	\$10,965	\$16,821					
	TOTALS	\$56,800	\$97,677	\$10,965	\$165,442					

# Roads - Calculations



Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 36711.GrassyMtn Plan.RCE.V1.xIsm Model Version: Version 1.4.1 Cost Data: User Data Cost Data: User Data Cost Estimate Type: Surety Cost Estimate Type: Surety

### Roads - Cost Summary Labor Equipment Materials Totals Grading Costs Cover Placement Cost Ripping/Scarifying Cost N/A N/A N/A \$54,634 \$86,901 \$7,086 \$23,712 \$25,983 \$2,861 \$30,922 \$60,918 \$4,225 \$52,556 \$96,065 \$148,621 Subtotal Earthworks Revegetation Cost \$4,244 \$1.612 \$10.965 \$16.821 TOTALS \$56,800 \$97,677 \$10,965 \$165.442

Roads - Regrading Costs							
Description	Regrading	Recontouring	Fleet		Total Labor	Total Equipment	Total Regrading
(required)	Volume	Fleet	Productivity	Total Fleet Hours	Cost	Cost	Cost
(	су		cy/hr	hr	\$	\$	\$
1 Access Road	1,590	325C	398	4	\$561	\$732	\$1,29
2 Plant Road	0				\$0	\$0	\$
3 Plant Road	0				\$0	\$0	\$
4 Mine Road	853	325C	398	2	\$281	\$366	\$64
5 Mine Road	1,355	325C	398	3	\$421	\$549	\$97
6 Mine Road	2,701	325C	398	7	\$982	\$1,281	\$2,26
7 Mine Road	88	325C	398	1	\$140	\$183	\$32
8 Mine Road	121	325C	398	1	\$140	\$183	\$32
9 Mine Road	213	325C	398	1	\$140	\$183	\$32
10 Mine Road	125	325C	398	1	\$140	\$183	\$32
11 Mine Road	53	325C	398	1	\$140	\$183	\$32
12 Mine Road	4,908	325C	398	12	\$1,684	\$2,196	\$3,88
13 Mine Road	801	325C	398	2	\$281	\$366	\$64
14 Mine Road	0				\$0	\$0	\$
15 Mine Road	6,233	325C	398	16	\$2,245	\$2,927	\$5,17
16 Haul Road	364	325C	398	1	\$140	\$183	\$32
17 Haul Road	8,139	325C	398	20	\$2,806	\$3,659	\$6,46
18 Haul Road	26,636	325C	398	67	\$9,401	\$12,258	\$21,65
19 Haul Road	3,498	325C	398	9	\$1,263	\$1,647	\$2,91
20 Haul Road	3,673	325C	398	9	\$1,263	\$1,647	\$2,91
21 Perimeter Fence Road	4,943	325C	398	12	\$1,684	\$2,196	\$3,88
	66.294			169	\$23,712	\$30.922	\$54,63

Road	ds - Growth Media Costs								
	Description (required)	Growth Media Volume cy	Growth Media Replacement Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Growth Media Cost \$
1	Access Road	4,037	725/966G/D7R	515	3	8	\$2,126	\$4,803	\$6,92
2	Plant Road	453	725/966G/D7R	471	4	1	\$308	\$731	\$1,03
3	Plant Road	426	725/966G/D7R	471	4	1	\$308	\$731	\$1,03
4	Mine Road	458	725/966G/D7R	471	4	1	\$308	\$731	\$1,03
5	Mine Road	5,619	725/966G/D7R	515	3	11	\$2,923	\$6,604	\$9,52
6	Mine Road	6,771	725/966G/D7R	515	3	13	\$3,455	\$7,804	\$11,25
7	Mine Road	111	725/966G/D7R	496	3	1	\$266	\$600	\$86
8	Mine Road	111	725/966G/D7R	466	3	1	\$266	\$600	\$86
9	Mine Road	232	725/966G/D7R	426	3	1	\$266	\$600	\$86
10	Mine Road	145	725/966G/D7R	468	4	1	\$308	\$731	\$1,03
11	Mine Road	445	725/966G/D7R	448	4	1	\$308	\$731	\$1,03
12	Mine Road	3,984	725/966G/D7R	490	5	8	\$2,795	\$6,890	\$9,68
13	Mine Road	968	725/966G/D7R	515	3	2	\$532	\$1,201	\$1,73
14	Mine Road	268	725/966G/D7R	471	4	1	\$308	\$731	\$1,03
15	Mine Road	629	725/966G/D7R	531	5	1	\$349	\$861	\$1,2 <sup>-</sup>
16	Haul Road	387	725/966G/D7R	418	3	1	\$266	\$600	\$86
17	Haul Road	2,311	725/966G/D7R	494	5	5	\$1,747	\$4,306	\$6,0
18	Haul Road	10,509	725/966G/D7R	442	4	24	\$7,382	\$17,539	\$24,92
19	Haul Road	1,791	725/966G/D7R	456	3	4	\$1,063	\$2,401	\$3,4
20	Haul Road	1,015	725/966G/D7R	469	5	2	\$699	\$1,723	\$2,4
21	Perimeter Fence Road						\$0	\$0	
		40,670				88	\$25,983	\$60,918	\$86,90

### Roads - Cost Summary Labor Equipment Materials Totals Grading Costs Cover Placement Cost Ripping/Scarifying Cost N/A N/A N/A \$54,634 \$86,901 \$7,086 \$23,712 \$25,983 \$2,861 \$30,922 \$60,918 \$4,225 \$52,556 \$96,065 \$148,621 Subtotal Earthworks Revegetation Cost \$4,244 \$1.612 \$10.965 \$16.821 TOTALS \$56,800 \$97,677 \$10,965 \$165,442

Road	ds - Scarifying/Revegetation Costs											
	Description (required)	Total Surface Area acres	Final Slope Length ft	Ripping/ Scarifying Fleet	Ripping Hours hrs	Ripping Labor Costs \$	Ripping Equipment Cost \$	Total Ripping Costs \$	Revegetation Labor Cost \$	Revegetation Equipment Cost \$	Revgetation Material Cost \$	Total Revegetation Cost \$
1	Access Road	2.50	30.0	D7R	2	\$139	\$206	\$345	\$250	\$95	\$833	\$1,178
2	Plant Road	0.28	24.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$93	\$231
3	Plant Road	0.26	12.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$88	\$226
4	Mine Road	0.28	26.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$94	\$232
5	Mine Road	3.48	50.0	D7R	3	\$209	\$309	\$518	\$348	\$132	\$1,159	\$1,639
6	Mine Road	4.20	30.0	D7R	3	\$209	\$309	\$518	\$420	\$159	\$1,397	\$1,976
7	Mine Road	0.07	15.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$23	\$161
8	Mine Road	0.07	14.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$23	\$161
9	Mine Road	0.14	20.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$48	\$186
10	Mine Road	0.09	21.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$30	\$168
11	Mine Road	0.28	51.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$92	\$230
12	Mine Road	2.47	16.0	D7R	3	\$209	\$309	\$518	\$247	\$94	\$822	\$1,163
13	Mine Road	0.60	20.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$200	\$338
14	Mine Road	0.17	15.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$55	\$193
15	Mine Road	0.39	50.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$130	\$268
16	Haul Road	0.24	51.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$80	\$218
17	Haul Road	1.43	68.0	D7R	1	\$70	\$103	\$173	\$143	\$54	\$477	\$674
18	Haul Road	6.51	67.0	D7R	6	\$418	\$619	\$1,037	\$651	\$248	\$2,167	\$3,066
19	Haul Road	1.11	51.0	D7R	1	\$70	\$103	\$173	\$111	\$42	\$369	\$522
20	Haul Road	0.63	70.0	D7R	1	\$70	\$103	\$173	\$100	\$38	\$209	\$347
21	Perimeter Fence Road	7.74	15.0	D7R	9	\$627	\$928	\$1,555	\$774	\$294	\$2,576	\$3,644
		32.95			41	\$2,861	\$4,225	\$7,086	\$4,244	\$1,612	\$10,965	\$16,821

## Waste Rock Dumps - Cost Summary

	Labor	Equipment	Materials	Totals
Grading Costs	\$0	\$0	N/A	\$0
Cover Placement Cost	\$0	\$0	N/A	\$0
Topsoil Placement Cost	\$0	\$0	N/A	\$0
Ripping/Scarifying Cost	\$2,577	\$3,815	N/A	\$6,392
Safety Berm Construction Cost	\$905	\$1,340	N/A	\$2,245
Subtotal Earthwork	\$3,482	\$5,155	\$0	\$8,637
Revegetation Cost	\$4,289	\$1,630	\$14,271	\$20,190
Safety Berm Revegetation Cost	\$1,158	\$440	\$3,853	\$5,451
	\$5,447	\$2,070	\$18,124	\$25,641
TOTALS	\$8,929	\$7,225	\$18,124	\$34,278

ľ	Quari	les	œ	Borrow	Pits -	User	input	

Q	uarries & Borrow Pits - User Input				You must fill in	n ALL green o	cells in this sec	tion for each o	dump, lift or dum	np category										
	Facility Description						Phys	ical - MAND	ATORY					0	Cover			Growth	n Media	
	Description (required)	ID Code	Туре	Underlying Ground Slope % Grade	Ungraded Slope _H:1V	Final Slope _H:1V	Final Top Slope % Grade	Bench or Highwall Height ft	Mid-Bench Length ft	Average Flat Area Long Dimension (ripping distance) ft	Final (Regraded) Footprint acres	Regrade Volume (1) (if calculated elsewhere) Cy	Cover Thickness Slopes in	Cover Thickness Flat Areas in	Distance from Cover Borrow ft	Slope from Dump to Cover Borrow % grade	Slope Growth Media Thickness in		Distance from Growth Media Stockpile ft	
	Borrow Pit Borrow Pit			22.0				80		3 115	42.89									

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, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivty Sheet)

Qua	rrries & Borrow Pits - User Input (cont.) You must fill in ALL green cells and relevant blue cells in this section for each dump, lift or dump category																	
			Gra	ding		Co	over	Grow	th Media					Revegetat	ion			
	Description (required)	Regrading Material Condition (select)	Regrading Material Type (select)	Regrading Equipment Fleet (select)	Slot/Side-by- Side (select)	Cover Material Type (select)	Cover Placement Equipment Fleet (select)	Growth Media Material Type (select)	Growth Media Equipment Fleet (select)	Seed Mix Slopes (select)	Seed Mix Flat Areas (select)	Mulch Slopes (select)	Mulch Flat Areas (select)	Fertilizer Slopes (select)	Fertilizer Flat Areas (select)	Slope Scarify/ Rip? (select)	Flat Area Scarify/ Rip? (select)	Scarify/ Ripping Fleet (select)
1	Borrow Pit									Mix 2	Mix 2	None	None	None	None	No	Yes	Small Dozer

Notes: 1. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

# Quarries & Borrow Pits - User Input (cont.)

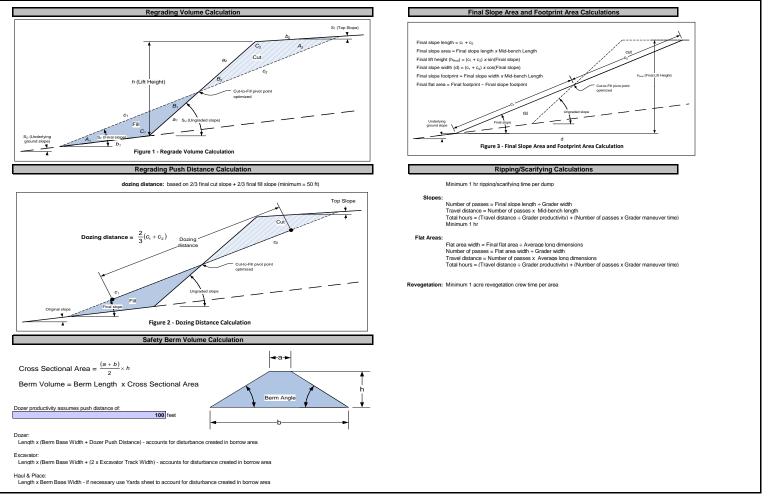
	Facility Description Highwall Berms						Berm Co	nstruction	Excavate or Doze		Hauling (if sele	cted method	ł)		Revegetatio	on
	Description (required)	Berm (or Highwall) Length	Berm Height	Berm Base Width	Angle	elsewhere)	Method		Equipment Fleet		Distance to Borrow Source	Slope to Borrow Source	Maximum Fleet Size	Seed Mix	Mulch	Fertilizer
1	Borrow Pit	ft 4,273.0	ft 3.0	ft 18.0	_H:1V 2.5	cy	(select) Dozer	(select) Alluvium	(select) Small	(select)	ft	% grade	(user override)	(select) Mix 2	(select) None	(select) None

Notes: 1. AI Physical parameters must be input even if manual overrides for volume or area are used. 2. If Stope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivity Sheet) 3. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

# Waste Rock Dumps - Cost Summary

	Labor	Equipment	Materials	Totals
Grading Costs	\$0	\$0	N/A	\$(
Cover Placement Cost	\$0	\$0	N/A	SI
Topsoil Placement Cost	\$0	\$0	N/A	ŞI
Ripping/Scarifying Cost	\$2,577	\$3,815	N/A	\$6,39
Safety Berm Construction Cost	\$905	\$1,340	N/A	\$2,24
Subtotal Earthwork	\$3,482	\$5,155	\$0	\$8,63
Revegetation Cost	\$4,289	\$1,630	\$14,271	\$20,19
Safety Berm Revegetation Cost	\$1,158	\$440	\$3,853	\$5,45
	\$5,447	\$2,070	\$18,124	\$25,64
TOTALS	\$8,929	\$7,225	\$18,124	\$34.27

# Quarries & Borrow Pits - Calculations



# Waste Rock Dumps - Cost Summary

	Labor	Equipment	Materials	Totals
Grading Costs	\$0	\$0	N/A	\$0
Cover Placement Cost	\$0	\$0	N/A	\$0
Topsoil Placement Cost	\$0	\$0	N/A	\$0
Ripping/Scarifying Cost	\$2,577	\$3,815	N/A	\$6,392
Safety Berm Construction Cost	\$905	\$1,340	N/A	\$2,245
Subtotal Earthwork	\$3,482	\$5,155	\$0	\$8,637
Revegetation Cost	\$4,289	\$1,630	\$14,271	\$20,190
Safety Berm Revegetation Cost	\$1,158	\$440	\$3,853	\$5,451
	\$5,447	\$2,070	\$18,124	\$25,641
TOTALS	\$8,929	\$7.225	\$18,124	\$34,278

# Quarries & Borrow Bite - Bograding Costs

Qua	Thes & Borrow Fils - Regrauing Cosis													
Prod	uctivity = Dozer Productivity x Grade Correction x	Density Cor	rection x Operation	tor (0.75) x Mate	erial x Visibil	ity x Job Ef	ficiency (0.8	33) x (Slot/S	ide-by-Side) >	(Altitude D	eration)			
	Description (required)	Regrading Volume cy	Dozing Distance (see above) ft	Regrading Fleet	Uncorrected Dozer Productivity cy/hr	Grade Correction	Dozing Material	Density Correction	Side-by-Side or Slot Dozing	Total Hourly Productivity cy/hr	Total Dozer Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Regrading Cost \$
1	Borrow Pit			Select Fleet								\$0	\$0	\$0
												\$0	\$0	\$0

Qua	rries & Borrow Pits - Cover and Growth Me	dia Costs															
				0	over (lower	layer)							Growth Mee	dia Placeme	nt		
	Description (required)	Cover Volume cy	Cover Replacement Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Cover Labor Cost \$	Cover Equipment Cost \$	Total Cover Cost \$	Growth Media Volume cy	Growth Media Replacement Fleet	Fleet Productivity BCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Growth Media Cost \$
1	Borrow Pit						\$0	\$0	\$C						\$0	\$0	\$0
							\$0	\$0	\$0						\$0	\$0	\$0

Qua	arries & Borrow Pits - Scarifying/Revegetati	on Costs														
		1		n.	1	1	1	1	1	1	r	1	1			
	Description	Slope	Flat	Total Surface	Final Slope	Flat Area Long	Ripping/ Scarifying	Slope Scarifying/ Ripping		Scarifying/ Ripping Labor		Scarifying/	Revegetation Labor	Equipment	Revgetation Material	Total Revegetation
	(required)	Area acres	Area acres	Area acres	Length ft	Dimension ft	Fleet	Hours hrs	Ripping Hours hrs	Costs \$	Cost \$	Ripping Costs \$	Cost \$	Cost \$	Cost \$	Cost \$
1	Borrow Pit	0.00	42.89	42.89		3,115	D7R		37	\$2,577		\$6,392		\$1,630	\$14,271	
			42.89	42.89					37	\$2,577	\$3,815	\$6.392	\$4,289	\$1,630	\$14.271	\$20,190

Notes: 1) Minimum total ripping hours = 1 (i.e. If total ripping hrs (slope + flat) < 1, then one hour of fleet time is assumed, regardless of acres shown in in scarifying table.) 2) Assumes 50min/hr equipment availability

Qua	rries & Borrow Pits - Safety Berm Construe	ction Costs	;						
					Safety Be	rm			
	Description (required)	Safety Berm Volume cy	Selected Fleet	Number of Trucks/ Scrapers	Corrected Fleet Productivity cy/hr	Total Hours	Safety Berm Labor Cost \$	Safety Berm Equipment Cost \$	Total Safety Berm Cost \$
1	Borrow Pit	4,985	Small (D7R)		390	13	\$905	\$1,340	\$2,245
		4,985				13	\$905	\$1,340	\$2,245

Qua	arries & Borrow Pits - Safety Berms	- Revegetation Co	sts			
	Description (required)	Flat Area acres	Revegetation Labor Cost S	Revegetation Equipment Cost \$	Revgetation Material Cost \$	Total Revegetation Cost \$
1	Borrow Pit	11.58	\$1,158	\$440	\$3,853	\$5,451
		11.58	\$1,158	\$440	\$3,853	\$5,45

	Labor	Equipment	Materials	Totals
Adits, Portals & Declines Plugging	\$279	\$864	\$0	\$1,143
Shaft Backfill/Cover	\$448	\$940	N/A	\$1,388
Shaft Capping	\$4,539	\$509	\$2,104	\$7,152
TOTALS	\$5,266	\$2,313	\$2,104	\$9,683

# Adits, Portals & Declines - User Input

	, i entale a peennee eeen input										
	Facility Description		Physical Cha	racteristics			Backfill Material				
	Description (required)	ID Code	Height ft	Width ft	Backfill/ Plug Type	Distance to Bulkhead ft	Backfill Material Condition (select)	Backfill Material Type (select)	Distance to Backfill Borrow ft	Slope from Adit to Borrow Area % grade	
1	Portal	U01	15.0	15.0	Rock Backfill	10	1.2	Stone - crush	1.612	-7.4	

 Notes:
 1) Foam (adit) option is for smaller openings that can be plugged with simple forms and a 5 ft thick plug.

 2) Foam (production) option is for larger production openings (declines, etc.) and requires larger form construction and minimum 10 ft thick plug.

 3) All foam plugs include minimum 15ft of backfill from opening to plug.

 4) Bat gate option is for small openings and the material cost is the same for any size opening.

 5) Backfilling assumes that small dozer will back material densities in Caterpillar Performance Handbook material density table

 6) Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

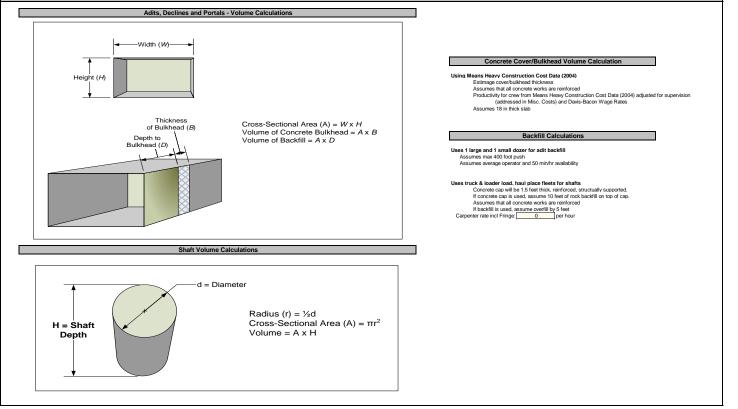
Shat	t Openings - User Input	LL green cells a	green cells and relevant blue cells in this section for each shaft									
	Facility Description		Phys	ical Characteri	stics	Backfill or Foundation Cover						
	Description (required)	ID Code	Diameter ft	Shaft Depth (for backfill method) ft	Backfill/ Plug Type (select)	Backfill Material Type (select)	Cover/ Backfill Fleet (select)	Thickness (if not complete backfill) ft	Distance to Backfill Borrow ft	Slope from Shaft to Borrow Area % grade	Maximum Fleet Size (user override)	
1	Vent Shaft #1	U02	9.0	10	Concrete Cap	Stone - crushed	Small Truck		2,719	-4.0	2	
2	Vent Shaft #2	U03	9.0	10	Concrete Cap	Stone - crushed	Small Truck		4,289	-5.0	2	

Notes: 1. If Slope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivity Sheet) 2. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

## Underground Openings Cost Summary

onderground openings cost Summary				
	Labor	Equipment	Materials	Totals
Adits, Portals & Declines Plugging	\$279	\$864	\$0	\$1,143
Shaft Backfill/Cover	\$448	\$940	N/A	\$1,388
Shaft Capping	\$4,539	\$509	\$2,104	\$7,152
TOTALS	\$5,266	\$2,313	\$2,104	\$9,683

# Underground Openings - Calculations



# Underground Openings Cost Summa

	Labor	Equipment	Materials	Totals
Adits, Portals & Declines Plugging	\$279	\$864	\$0	\$1,143
Shaft Backfill/Cover	\$448	\$940	N/A	\$1,388
Shaft Capping	\$4,539	\$509	\$2,104	\$7,152
TOTALS	\$5,266	\$2,313	\$2,104	\$9,683

Adit	itis, Portals & Declines Plugging Uses RS Means Heavy Construction Cost Data for bulkhead production rate, material costs and crews																					
								Bulkhead C	onstruction	n		Backfill or	Foam (1)		Ba	at Gate or C	Culvert (2,3,	,4)		Tota	Costs	
	Description (required)	Bulkhead Volume cy	Backfill (rock) Volume cy	Backfill Equipment Fleet	Backfill Productivity LCY/hr	Backfill Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Material Cost \$	Total Bulkhead Cost \$	Total Labor Cost \$	Total Equipment Cost §	Material (Foam) Cost §	Total Backfill Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Material Cost \$	Total Bat Gate Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Material Cost \$	Total Plugging Costs \$
1	Portal		83	D7R/D10R	-34	2	\$0	\$0	\$0	\$0	\$279	\$864	\$0	\$1,143	\$0	\$0	\$0	\$0	\$279	\$864	\$	\$1,143
			83			2	¢0	\$0	ŝn	¢0	\$270	\$964	\$0	\$1 1/3	\$0	¢0	\$0	\$0	\$270	\$964	•	\$1 1/3

Foam costs include 1 hour move to and setup + 1 hr. minimum crew time 2) Assumes 1 hr walk-in/walk-out time for equipment 3) Bargate assumes 8 hr instalt time each 4) Bat culvert backfill costs based on one 8-hr day (i.e. backfilling hours = 8 hrs).

Sha	ift Plugging															
						Cover/Cap						Backfill/Cover				
	Description (required)	Cover Area ft2	Backfill or Cover Volume cy	Backfill Equipment Fleet	Number of Trucks	Backfill Productivity LCY/hr	Backfill Hours	Total Labor Cost \$	Total Equipment Cost §	Total Material Cost \$	Total Shaft Cap Cost \$	Total Labor Cost §	Total Equipment Cost §	Total Backfill Cost \$		
1	Vent Shaft #1	64	0					\$2,269	\$255	\$1,052	\$3,576	\$224	\$470	\$694		
2	Vent Shaft #2	64	0					\$2,269	\$255	\$1,052	\$3,576	\$224	\$470	\$694		
		128						\$4,539	\$509	\$2,104	\$7,152	\$448	\$940	\$1,388		

Notes:

# Buildings & Foundation Demolition Cost Su

	Labor	Equipment	Materials	Totals
Building Demolition Cost	\$0	\$0	N/A	\$0
Wall Demolition Cost	\$21,042	\$0	N/A	\$21,042
Slab Demolition	\$8,219	\$20,258	N/A	\$28,477
Subtotal Demolition	\$29,261	\$20,258	\$0	\$49,519
Cover Placement Cost	\$0	\$0	N/A	\$0
Growth Media Placement Cost	\$7,903	\$19,413	N/A	\$27,316
Ripping/Scarifying Cost	\$1,610	\$5,175	N/A	\$6,785
Subtotal Earthworks	\$9,513	\$24,588	\$0	\$34,101
Revegetation Cost	\$2,300	\$874	\$827	\$4,001
TOTALS	\$41.074	\$45.720	\$827	\$87.621

Build	lings & Foundation - User Input				You must fill in ALL green cells and relevant blue cells in this section for each building or facility												
	Facility Description					Physical -	MANDATORY				Fou	Indation Cove	er (1)	Growth M	edia (1) (entire	e footprint)	
	Description (required)	ID Code	Туре	Length ft	Width ft	Eve Height ft	Slab Thickness in	Foundation Wall Thickness in	Foundation Wall Height ft	Average Flat Area Long Dimension (ripping distance) ft	Building Area Footprint (including surrounding facilities) acres	Foundation Cover Thickness in	Distance from Foundation Cover Borrow Area ft	Slope from Facility to Borrow Area % grade	Growth Media Thickness in	Distance from Growth Media Stockpile ft	Slope from Facility to Stockpile % grade
	Administration Building	FB01	Site Facilities - Buildings	69	61		6	6	1	69	0.10				12	4,918	-1.6
2	Plant Offices	FB02	Site Facilities - Buildings	69	49		6	6	1	69	0.08				12	4,918	-1.6
3	Laboratory	FB03	Site Facilities - Buildings	73	28		6	6	1	73	0.05				12	4,918	-1.6
4	Plant Workshop and Warehouse	FB04	Site Facilities - Buildings	63	41		6	6	1	63	0.06				12	4,918	-1.6
5	Gold Room	FB05	Site Facilities - Buildings	56	62		6	6	1	56	0.07				12	4,918	-1.6
6	Elution Area	FB06	Process - Plant & Buildings	96	54		6	6	1	96	0.09				12	4,918	-1.6
7	Reagent Area	FB07	Site Facilities - Buildings	49	37		6	6	1	49	0.03				12	4,918	-1.6
	Reagent Area	FB08	Site Facilities - Buildings	40	40		6	6	1	40	0.03				12	4,918	-1.6
	Grinding Area	FB09	Process - Crushing & Screeni	49	32		6	6	1	49	0.04				12	4,918	-1.6
	CIL Area	FB10	Process - Plant & Buildings	160	81		6	6	1	160	0.23				12	4,918	-1.6
	Water Service Area	FB11	Site Facilities - Buildings	70	57		6	6	1	70	0.04				12	4,918	-1.6
	Truck Workhshop and Warehouse	FB12	Site Facilities - Buildings	139	55		6	6	1	139	0.16				12	4,918	-1.6
	Mine Office	FB13	Site Facilities - Buildings	73	61		6	6	1	73	0.10				12	4,918	-1.6
14	Truck Scale	FB14	Site Facilities - Mobile/Fixed E	80	30	0	6	6	1	80	0.06				12	4,918	-1.6
	Guard House	FB15	Site Facilities - Structures	50	30		6	6	1	50	0.03				12	4,918	-1.6
	Pad	PD01	Other Facilities	60	44	0	6	6	1	60	0.04				12	4,918	-1.6
17	Pad	PD02	Other Facilities	56	38	0	6	6	1	56	0.04				12	4,918	-1.6
	Crusher Wall	PD03	Other Facilities	124	8	0	6	8	20	124	0.00				12	4,918	-1.6
	Truck Wash	PD04	Other Facilities	40	33	0	6	6	1	40	0.03				12	4,918	-1.6
	Fuel Storage Pad	PD05	Other Facilities	42	17	0	6	6	1	42	0.02				12	4,918	-1.6
21	UG Backfill Plant	PD06	Site Facilities - Structures	75	70	0	6	6	1	75	0.12				12	3,278	-3.7
22	Guard House	PD07	Site Facilities - Structures	50	30	0	6	6	1	50	0.03				12	667	5.2
23	Water Tank	WT01	Other Facilities	40	40	0	6	6	1	40	0.03				12	4,823	-5.1

Notes: 1. Foundation cover only calculated to cover stab. Growth media estimated over entire footprint area 2. If Slope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivity Sheet)

# Buildings & Foundation Demolition Cost Su

	Labor	Equipment	Materials	Totals
Building Demolition Cost	\$0	\$0	N/A	\$0
Wall Demolition Cost	\$21.042	\$0	N/A	\$21.042
Slab Demolition	\$8,219	\$20,258	N/A	\$28,477
Subtotal Demolition	\$29,261	\$20,258	\$0	\$49,519
Cover Placement Cost	\$0	\$0	N/A	\$0
Growth Media Placement Cost	\$7,903	\$19,413	N/A	\$27,316
Ripping/Scarifying Cost	\$1,610	\$5,175	N/A	\$6,785
Subtotal Earthworks	\$9,513	\$24,588	\$0	\$34,101
Revegetation Cost	\$2,300	\$874	\$827	\$4,001
TOTALS	\$41.074	\$45,720	\$827	\$87.621

Build	lings & Foundation - User Input (cont.)			You must fill i	n ALL green cells	and relevant bl	ue cells in this s	ection for each	building or facil	ity						
		Const	ruction Materials	Slab D	emolition	Fo	oundation Co	ver		Growth Med	ia			Revegetation	า	
			Foundation Wall		Slab Breaking		Cover Placement	Maximum		Growth Media Placement	Maximum					
	Description (required)	Building Type (select)	Foundation Wall Type (select)	Slab Demo Method (select)	Equipment Fleet (select)	Cover Material Type (select)	Equipment Fleet (select)	Fleet Size (user override)	Growth Media Material Type (select)	Equipment Fleet (select)	Fleet Size (user override)	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarify/ Rip? (select)	Ripping Fleet (select)
1	Administration Building	Lg. steel	Block 6 in (150 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
2	Plant Offices		Block 6 in (150 mm) thick						Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
3	Laboratory	Lg. steel	Block 6 in (150 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
	Plant Workshop and Warehouse		Block 6 in (150 mm) thick						Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
5	Gold Room	Sm. concrete	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
6	Elution Area	Sm. concrete	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
7	Reagent Area	Sm. wood	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
8	Reagent Area	Sm. wood	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
9	Grinding Area	Sm. wood	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
10	CIL Area	Lg. steel	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
11	Water Service Area	Sm. steel	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
12	Truck Workhshop and Warehouse	Lg. steel	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
13	Mine Office	Lg. steel	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
14	Truck Scale	Lg. steel	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
15	Guard House	Sm. wood	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
16	Pad			Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
17	Pad			Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
18	Crusher Wall	Sm. steel	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
19	Truck Wash	Lg. steel	Block 6 in (150 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
20	Fuel Storage Pad	-		Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
21	UG Backfill Plant	Sm. steel	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
22	Guard House	Sm. wood	Block 4 in (100 mm) thick	Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
23	Water Tank			Break & bury	Sm Excavator				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer

Notes: 1. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

## Dui 0 Fau .

	Labor	Equipment	Materials	Totals
Building Demolition Cost	\$0	\$0	N/A	\$(
Wall Demolition Cost	\$21,042	\$0	N/A	\$21,04
Slab Demolition	\$8,219	\$20,258	N/A	\$28,477
Subtotal Demolition	\$29,261	\$20,258	\$0	\$49,519
Cover Placement Cost	\$0	\$0	N/A	\$(
Growth Media Placement Cost	\$7,903	\$19,413	N/A	\$27,316
Ripping/Scarifying Cost	\$1,610	\$5,175	N/A	\$6,785
Subtotal Earthworks	\$9,513	\$24,588	\$0	\$34,101
Revegetation Cost	\$2,300	\$874	\$827	\$4,001
TOTALS	\$41.074	\$45.720	\$827	\$87.621

**Buildings & Foundation - Calculations** 

Building Volume Calculations

Using Means Heavy Construction Cost Data (2004) calculates cubic feet from building dimensions Estimage slab thickness and wall thickness if not known Assumes that all concretes slabs are reinforced Productivity for crew from Means Heavy Construction Cost Data (2004) adjusted for supervision (addressed in Misc. Costs) and Davis-Bacon Waane Rates Demolition costs do not include hauling or disposing if debris - Use Waste Disposal module

Slab Demolition Calculations

Minimum 1 hr excavator time for slab demolition

Cover Volume Calculation

Foundation area x cover thickness

If "Bury in Place" is selected as slab demolition method, cover thickness is adjusted such that total cover (cover + growth media) equals value entered in "Minimum thickness of cover over unbroken slab" cell above

Ripping/Scarifying Calculations

Flat area width = Final flat area ÷ Average long dimensions Number of passes = Flat area width ÷ Grader width

Travel distance = Number of passes x Average long dimensions Total hours = (Travel distance ÷ Grader productivity) + (Number of passes x Grader maneuver time)

Revegetation

Minimum 1 acre revegetation crew time per area

# Buildings & Foundation Demolition Cost Summary

	Labor	Equipment	Materials	Totals
Building Demolition Cost	\$0	\$0	N/A	\$0
Wall Demolition Cost	\$21.042	\$0	N/A	\$21,042
Slab Demolition	\$8,219	\$20,258	N/A	\$28,477
Subtotal Demolition	\$29,261	\$20,258	\$0	\$49,519
Cover Placement Cost	\$0	\$0	N/A	\$0
Growth Media Placement Cost	\$7,903	\$19,413	N/A	\$27,316
Ripping/Scarifying Cost	\$1,610	\$5,175	N/A	\$6,785
Subtotal Earthworks	\$9,513	\$24,588	\$0	\$34,101
Revegetation Cost	\$2,300	\$874	\$827	\$4,001
TOTALS	\$41.074	\$45.720	\$827	\$87,621

							Bui	ilding Demoli	tion	Wa	all Demolition	n	S	lab Demolitio	n		Total Costs	
Description (required)	Building Footprint (slab area) sqft	Building Volume cu ft	Wall Length ft	Wall Area sq ft	Slab Demolition Fleet	Slab Volume cy	Total Labor Cost \$	Total Equipment Cost \$	Total Building Demolition Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Wall Demolition Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Slab Breaking Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Demolition Costs \$
1 Administration Building	4,209	0	260	260	325C	78	\$0	\$0	\$0	\$603	\$0		\$463	\$1,141	\$1,604	\$1,066	\$1,141	\$2,20
2 Plant Offices	3,381	0	236	236	325C	63	\$0	\$0	\$0	\$548	\$0		\$365	\$899	\$1,264	\$913	\$899	\$1,81
3 Laboratory	2,044	0	202	202	325C	38	\$0	\$0	\$0	\$469	\$0	\$469	\$224	\$553	\$777	\$693	\$553	\$1,24
4 Plant Workshop and Warehouse	2,583	0	208	208	325C	48	\$0	\$0	\$0	\$483	\$0		\$281	\$691	\$972	\$764	\$691	\$1,45
5 Gold Room	3,472	0	236	236	325C	64	\$0	\$0	\$0	\$514	\$0		\$379	\$933	\$1,312	\$893	\$933	\$1,82
6 Elution Area	5,184	0	300	300	325C	96	\$0	\$0	\$0	\$654	\$0	\$654	\$561	\$1,383	\$1,944	\$1,215	\$1,383	\$2,59
7 Reagent Area	1,813	0	172	172	325C	34	\$0	\$0	\$0	\$375	\$0		\$196	\$484	\$680	\$571	\$484	\$1,05
8 Reagent Area	1,600	0	160	160	325C	30	\$0	\$0	\$0	\$349	\$0	\$349	\$182	\$449	\$631	\$531	\$449	\$98
9 Grinding Area	1,568	0	162	162	325C	29	\$0	\$0	\$0	\$353	\$0		\$168	\$415	\$583	\$521	\$415	
10 CIL Area	12,960	0	482	482	325C	240	\$0	\$0	\$0	\$1,051	\$0	\$1,051	\$1,403	\$3,457	\$4,860	\$2,454	\$3,457	\$5,91
11 Water Service Area	3,990	0	254	254	325C	74	\$0	\$0	\$0	\$554	\$0	\$554	\$435	\$1,072	\$1,507	\$989	\$1,072	\$2,06
12 Truck Workhshop and Warehouse	7,645	0	388	388	325C	142	\$0	\$0	\$0	\$846	\$0		\$828	\$2,040	\$2,868	\$1,674	\$2,040	\$3,71
13 Mine Office	4,453	0	268	268	325C	82	\$0	\$0	\$0	\$584	\$0	\$584	\$477	\$1,175	\$1,652	\$1,061	\$1,175	\$2,23
14 Truck Scale	2,400	0	220	220	325C	44	\$0	\$0	\$0	\$480	\$0	\$480	\$253	\$622	\$875	\$733	\$622	\$1,35
15 Guard House	1,500	0	160	160	325C	28	\$0	\$0	\$0	\$349	\$0	\$349	\$168	\$415	\$583	\$517	\$415	\$93
16 Pad	2,640	0	208	208	325C	49	\$0	\$0	\$0	\$0	\$0	\$0	\$281	\$691	\$972	\$281	\$691	\$97
17 Pad	2,128	0	188	188	325C	39	\$0	\$0	\$0	\$0	\$0	\$0	\$224	\$553	\$777	\$224	\$553	\$77
18 Crusher Wall	992	0	264	5,280	325C	18	\$0	\$0	\$0	\$11,510	\$0	\$11,510	\$140	\$346	\$486	\$11,650	\$346	\$11,99
19 Truck Wash	1,320	0	146	146	325C	24	\$0	\$0	\$0	\$339	\$0	\$339	\$140	\$346	\$486	\$479	\$346	\$83
20 Fuel Storage Pad	714	0	118	118	325C	13	\$0	\$0	\$0	\$0	\$0	\$0	\$140	\$346	\$486	\$140	\$346	\$48
21 UG Backfill Plant	5.250	0	290	290	325C	97	\$0	\$0	\$0	\$632	\$0	\$632	\$561	\$1,383	\$1,944	\$1,193	\$1,383	\$2.5
22 Guard House	1.500	0	160	160	325C	28	\$0	\$0	\$0	\$349	\$0		\$168	\$415	\$583	\$517	\$415	
23 Water Tank	1,600	0	160	160	325C	30	\$0			\$0	\$0		\$182	\$449	\$631	\$182	\$449	
	-					1.388	\$0	\$0	\$0	\$21,042	\$0	\$21,042	\$8,219	\$20,258	\$28,477	\$29,261	\$20,258	\$49.51

# Buildings & Foundation Demolition Cost Su

	Labor	Equipment	Materials	Totals
Building Demolition Cost	\$0	\$0	N/A	\$0
Wall Demolition Cost	\$21.042	\$0	N/A	\$21.042
Slab Demolition	\$8,219	\$20,258	N/A	\$28,477
Subtotal Demolition	\$29,261	\$20,258	\$0	\$49,519
Cover Placement Cost	\$0	\$0	N/A	\$0
Growth Media Placement Cost	\$7,903	\$19,413	N/A	\$27,316
Ripping/Scarifying Cost	\$1,610	\$5,175	N/A	\$6,785
Subtotal Earthworks	\$9,513	\$24,588	\$0	\$34,101
Revegetation Cost	\$2,300	\$874	\$827	\$4,001
TOTALS	\$41.074	\$45.720	\$827	\$87.621

# Building & Foundation - Foundation Cover and Growth Media Costs

				Foundation C	over							Growth	n Media				Total Cover	& Growth M	ledia Costs
Description (required)	Cover Volume	Cover Repacement Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Cover Cost \$	Growth Media Volume cy	Growth Media Repacement Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Growth Media Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Costs
1 Administration Building						\$0	\$0	\$0	154	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
2 Plant Offices						\$0	\$0	\$0	124	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
3 Laboratory						\$0	\$0	\$0	74	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
4 Plant Workshop and Warehouse						\$0	\$0	\$0	97	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
5 Gold Room						\$0	\$0	\$0	106	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
6 Elution Area						\$0	\$0	\$0	151	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
7 Reagent Area						\$0	\$0	\$0	56	725/966G/D7R	510	5	1	\$349	\$861	\$1,210		\$861	\$1.2
8 Reagent Area						\$0	\$0	\$0	47	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
9 Grinding Area						\$0	\$0	\$0	58	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1.2
10 CIL Area						\$0	\$0	\$0	375	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2 \$1,2
11 Water Service Area						\$0	\$0	\$0	68	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
12 Truck Workhshop and Warehouse						\$0	\$0	\$0	256	725/966G/D7R	510	5	1	\$349		\$1,210		\$861	\$1.2
13 Mine Office						\$0	\$0	\$0	163	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
14 Truck Scale						\$0	\$0	\$0	89	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1.2
15 Guard House						\$0	\$0	\$0	55	725/966G/D7R	510	5	1	\$349		\$1,210	\$349	\$861	\$1,2 \$1,2
16 Pad						\$0	\$0	\$0	68	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	
17 Pad						\$0	\$0	\$0	67	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	\$1,2
18 Crusher Wall						\$0	\$0	\$0	3	725/966G/D7R	510	5	1	\$349	\$861	\$1,210	\$349	\$861	
19 Truck Wash						\$0	\$0	\$0	50	725/966G/D7R	510	5	1	\$349		\$1,210	\$349	\$861	\$1,2
20 Fuel Storage Pad						\$0	\$0	\$0	26	725/966G/D7R	510	5	1	\$349		\$1,210	\$349	\$861	
21 UG Backfill Plant						\$0	\$0	\$0	194	725/966G/D7R	455	4	1	\$308				\$731	\$1.0
22 Guard House						\$0	\$0	\$0	55	725/966G/D7R	415	2	1	\$224				\$470	\$6
23 Water Tank						\$0	\$0	\$0	47	725/966G/D7R	553	6	1	\$391			\$391	\$992	
						\$0	\$0	\$0	2.383	I			23	\$7,903	\$19,413	\$27,316	\$7,903	\$19,413	

Build	ing & Foundation - Scarifying/Reveg	etation Costs													
					Sci	arifying/Rippir	ng		Reve	getation		Tot	al Scarify & Re	evegation Co	sts
	Description (required)	Flat Area acres	Ripping/ Scarifying Fleet	Scarifying/ Ripping Hours hrs	Scarifying/ Ripping Labor Costs \$	Scarifying/ Ripping Equipment Cost \$	Total Scarifying/ Ripping Costs \$	Revegetation Labor Cost \$	Revegetation Equipment Cost \$	Revgetation Material Cost \$	Total Revegetation Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Material Cost \$	Total Costs \$
1	Administration Building	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$171	\$170	\$263	\$33	\$466
2	Plant Offices	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$171	\$170	\$263	\$33	\$466
3	Laboratory	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
4	Plant Workshop and Warehouse	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$171	\$170	\$263	\$33	\$466
5	Gold Room	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
6	Elution Area	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$171	\$170	\$263	\$33	\$466
7	Reagent Area	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
8	Reagent Area	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
9	Grinding Area	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
10	CIL Area	0.20	D9R	1	\$70	\$225	\$295	\$100	\$38	\$67		\$170	\$263	\$67	\$500
11	Water Service Area	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
	Truck Workhshop and Warehouse	0.20	D9R	1	\$70	\$225	\$295	\$100	\$38	\$67		\$170	\$263	\$67	\$500
	Mine Office	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
14	Truck Scale	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
15	Guard House	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
16	Pad	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
	Pad	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
	Crusher Wall	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
19	Truck Wash	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$171	\$170	\$263	\$33	\$466
	Fuel Storage Pad	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
	UG Backfill Plant	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
	Guard House	0.10	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$171	\$170	\$263	\$33	\$466
23	Water Tank	0.10	D9R	1	\$70		\$295	\$100	\$38	\$33		\$170	\$263	\$33	\$466
		2.50		23	\$1,610	\$5,175	\$6,785	\$2,300	\$874	\$827	\$4,001	\$3,910	\$6,049	\$827	\$10,786

	Labor	Equ	ipment	Materials	Totals				
Other Demolition		\$0	\$0	\$0					
Equipment Removal		,787	\$4,720	\$0					
	TOTALS \$	,787	\$4,720	\$0	\$7,507				
her Demolition									
Facility Description									
Description (required)	ID Cod	, .	ype	Quantity	Units	Labor Unit Cost \$	Equipment Unit Cost \$	Material Unit Cost \$	Total Cost \$
						\$0	\$0	\$0	

Other Demoltion and Equipment Removal - Cost Summary				
	Labor	Equipment	Materials	Totals
Other Demolition	\$0	\$0	\$0	\$0
Equipment Removal	\$2,787	\$4,720	\$0	\$7,507
TOTALS	\$2,787	\$4,720	\$0	\$7,507

Equ	ipment & Material Removal								
	Facility Description								
	Description (required)	ID Code	Туре	Quantity	Units	Labor Unit Cost (\$)	Equipment Unit Cost (\$)	Material Unit Cost (\$)	Total Cost (\$)
1	Water Tank removal	WT01	Site Facilities - Mobile/Fixed Equi	6	Hours	\$40.99	\$39.79		\$485
2	Waste Rock Storage Area - HDPE Liner Removal	WD01	Site Facilities	40	Hours	\$40.99	\$90.15		\$5,246
3	Oil-Water Separator		Site Facilities - Mobile/Fixed Equi	8	Hours	\$40.99	\$39.79		\$646
4	Generator removal (2)		Site Facilities - Mobile/Fixed Equi	8	Hours	\$40.99	\$39.79		\$646
5	Fuel Tank removal		Site Facilities - Mobile/Fixed Equi	6	Hours	\$40.99	\$39.79		\$485
_						\$2,787	\$4,720	\$0	\$7,508

Notes:

	Labor	Equipment	Materials	Totals
Diversion Ditch Construction	\$0	\$0	N/A	\$(
Diversion Ditch Liner	\$0	\$0	\$0	\$(
Diversion Ditch Rip-Rap	\$0	\$0	\$0	\$(
Sed Pond Construct/Regrade	\$6,546	\$9,692	N/A	\$16,238
Liner Installation	\$107,419	\$55,670	\$41,556	\$204,645
Sed Pond Cover	\$1,846	\$4,385	N/A	\$6,23
Ripping/Scarifying Cost	\$70	\$103	N/A	\$17:
Subtotal Earthworks	\$115,881	\$69,850	\$41,556	\$227,287
Diversion Ditch Revegetation	\$0	\$0	\$0	\$(
Sediment Pond Revegetation	\$180	\$68	\$599	\$847
Subtotal Revegetation	\$180	\$68	\$599	\$84
TOTALS	\$116.061	\$69,918	\$42,155	\$228.13

Diversion Ditches - User Input															
				Div	versions Ditch	es				Revegetation	า		Liner and Rip	-Rap Installati	ion
				Ditch	Ditch	Excavate Volume	Excavating								
Description		Diversion	Diversion	Bottom	Sideslope	(if calculated	Material	Excavating					Liner		
(required)	ID Code	Length	Depth	Width	Angle	elsewhere)		Equipment Fleet		Mulch	Fertilizer	Liner Area	Type	Rip-Rap Area	Rip-Rap Type
		ft	ft	ft	_H:1V	cy	(select)	(select)	(select)	(select)	(select)	S.Y.	(select)	S.Y.	(select type)

Notes:

Notes. the diversion channels, outlet structure, and sediment basins will remain post reclamation for stormwater control. Diversion ditches at the Process Plant will be reclaimed during the ripping and recontouring of the main yard (Y01).

Se	diment/Evaporation Pond Construction/Rem	noval - Usei	' Input										
						Sedimen	t Ponds					Growth Media	4
	Description (required)	ID Code	Pond Width ft	Pond/Berm Length ft	Berm Height ft	Crest Width ft	Sideslope Angle _H:1V	Final Area (if calculated elsewhere) acres	Regrade Volume (if calculated elsewhere) cy	Cover Volume (if calculated elsewhere) cy	Growth Media Thickness in	Distance from Growth Media Stockpile ft	Slope from Pond to Borrow % grade
1	Collection Pond	CP01	112	273	25.0	12.0	3.0				12	4,968	-1.2

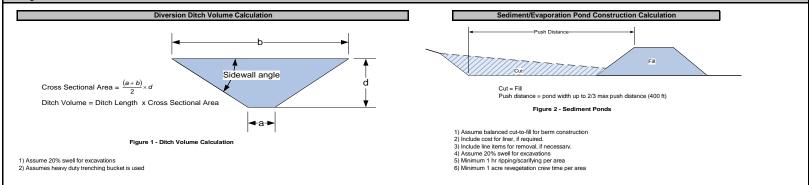
Notes: 1. AI Physical parameters must be input even if manual overrides for volume or area are used. 2. If Stope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivy Sheet) 3. Material Types are used for density correction based on material densities in Caterpliar Performance Handbook material density table the diversion channels, outlet structure, and sediment basins will remain post reclamation for stormwater control.

Se	diment/Evaporation Pond Construction/Rem	noval - Use	r Input (cont.)										
			Sedimen	t Ponds			Growth Media	1		Revegetation	1	Ripping/	Scarifying
	Description (required)	Excavating Material Condition (select)	Material Type (select)	Excavating Equipment Fleet (select)	Liner Type (select)	Growth Media Material Type (select)	Growth Media Placement Equipment Fleet (select)	Maximum Fleet Size (user override)	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarify/ Rip? (select)	Scarify/ Ripping Fleet (select)
1	Collection Pond	1	Alluvium	Small	60 mil HDPE	Alluvium	Small Truck		Mix 2	None	None	Yes	Small Dozer

Notes: 1. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

	Labor	Equipment	Materials	Totals
Diversion Ditch Construction	\$0	\$0	N/A	ŞI
Diversion Ditch Liner	\$0	\$0	\$0	SI
Diversion Ditch Rip-Rap	\$0	\$0	\$0	S
Sed Pond Construct/Regrade	\$6,546	\$9,692	N/A	\$16,23
Liner Installation	\$107,419	\$55,670	\$41,556	\$204,64
Sed Pond Cover	\$1,846	\$4,385	N/A	\$6,23
Ripping/Scarifying Cost	\$70	\$103	N/A	\$17
Subtotal Earthworks	\$115,881	\$69,850	\$41,556	\$227,28
Diversion Ditch Revegetation	\$0	\$0	\$0	\$
Sediment Pond Revegetation	\$180	\$68	\$599	\$84
Subtotal Revegetation	\$180	\$68	\$599	\$84
TOTALS	\$116.061	\$69,918	\$42,155	\$228.13

# Drainage Control - Calculations



	Labor	Equipment	Materials	Totals
Diversion Ditch Construction	\$0	\$0	N/A	ŞI
Diversion Ditch Liner	\$0	\$0	\$0	SI
Diversion Ditch Rip-Rap	\$0	\$0	\$0	SI
Sed Pond Construct/Regrade	\$6,546	\$9,692	N/A	\$16,23
Liner Installation	\$107,419	\$55,670	\$41,556	\$204,64
Sed Pond Cover	\$1,846	\$4,385	N/A	\$6,23
Ripping/Scarifying Cost	\$70	\$103	N/A	\$17:
Subtotal Earthworks	\$115,881	\$69,850	\$41,556	\$227,28
Diversion Ditch Revegetation	\$0	\$0	\$0	\$(
Sediment Pond Revegetation	\$180	\$68	\$599	\$84
Subtotal Revegetation	\$180	\$68	\$599	\$84
TOTALS	\$116.061	\$69,918	\$42,155	\$228.13

Sedi	ment/Evaporation Ponds - Construction/R	egrading C	osts														
Produ	activity = Dozer Productivity x Grade Correction	x Density Co	prrection x Oper	ator (0.75) x M	Aaterial x Visil	oility x Job Ef	ficiency (0.83					Earthwork			Li	ner	
	Description (required)	Regrading Volume cy	Sed/Evap Pond Equipment	Dozing Distance (see above) ft	Uncorrected Dozer Productivity LCY/hr	Grade Correction	Density Correction	Excavating Material	Corrected Productivity LCY/hr	Total Dozer Hours hr	Total Labor Cost \$	Total Equipment Cost \$	Total Constr/ Regrading Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Material Cost \$	Total Liner Cost \$
1 C	collection Pond	26,390	D7R	112	574	1.00	0.79	1.00	282	94	\$6,546	\$9,692	\$16,238	\$107,419	\$55,670	\$41,556	\$204,645
		26,390								94	\$6,546	\$9,692	\$16,238	\$107,419	\$55,670	\$41,556	\$204,645

Sed	iment/Evaporation Ponds - Growth Media	Costs							
					Growth	Media			
	Description (required)	Growth Media Volume <sub>Cy</sub>	Growth Media Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Cover Placement Cost \$
1	Collection Pond	2,904	725/966G/D7R	468	4	6	\$1,846	\$4,385	\$6,231
		2,904				6	\$1,846	\$4,385	\$6,231

Se	diment/Evaporation Ponds - Revegetation C	osts										
	Description (required)	Surface Area acres	Long Ripping Distance ft	Ripping/ Scarifying Fleet	Scarifying/ Ripping Hours hrs	Scarifying/ Ripping Labor Costs \$	Scarifying/ Ripping Equipment Cost \$	Total Scarifying/ Ripping Costs \$	Revegetation Labor Cost \$	Revegetation Equipment Cost \$	Revgetation Material Cost \$	Total Revegetation Cost \$
1	Collection Pond	1.80	273	D7R	1	\$70	\$103	\$173	\$180	\$68	\$599	\$847
		1.80			1	\$70	\$103	\$173	\$180	\$68	\$599	\$847

Process Ponds - Cost Summary				
	Labor	Equipment	Materials	Totals
Backfilling Costs	\$348	\$516	N/A	\$864
Growth Media Placement Costs	\$224	\$470	N/A	\$694
Liner Cutting & Folding Costs	\$4,580	\$2,396	N/A	\$6,976
Subtotal Earthworks	\$5,152	\$3,382	\$0	\$8,534
Revegetation Costs	\$100	\$38	\$133	\$271
TOTALS	\$5,252	\$3,420	\$133	\$8,805

Pro	cess Ponds - User Input			You must fill in ALL green cells and relevant blue cells in this section for each pond										
	Facility Description		Pond Dimensions (1)					Backfill - (If trucks are used) (1)				Growth Media		
	Description (required)	ID Code	Pond Length ft	Pond Width ft	Pond Depth ft	Pond Sideslope Angle _H:1V	Disturbed Area (if calculated elsewhere) acres	Percent Backfill (100% if blank)	Distance from Backfill Borrow ft	Slope from Facility to Borrow Area % grade	Pond Volume (if calculated elsewhere) cy	Growth Media Thickness in	Distance from Growth Media Stockpile ft	Slope from Facility to Stockpile % grade
1	Reclaim Pond	PP01	100	80	9.0	2.5	0.37					6	602	4%

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

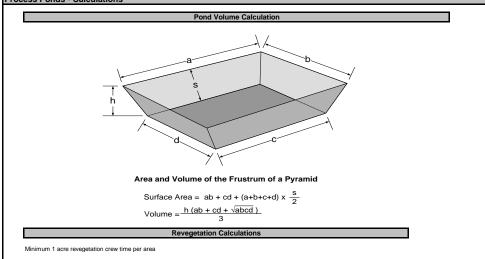
2. If Stope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivty Sheet).

Reclaim pond will be converted to an E cell when no longer needed for solution management and will remain post mine.

Proc	cess Ponds - User Input (cont.)									
		Liner		Backfill		Growth Medi	а		Revegetati	on
	Description (required)	Crew Cut & Fold Time <sup>(2)</sup> hrs	Backfill Material Type (select)	Backfill Equipment Fleet (select)	Growth Media Material Type (select)	Growth Media Placement Equipment Fleet (select)	Maximum Fleet Size (user override)	Seed Mix (select)	Mulch (select)	Fertilizer (select)
1	Reclaim Pond	30.0	Alluvium	Small Dozer	Alluvium	Small Truck		Mix 2	None	None

Notes: 1. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table (2) Pond liner removal crew (2Clab + excavator) = 2 General Laborers + 325C Excavator

# **Process Ponds - Calculations**



	Labor	Equipment	Materials	Totals
Backfilling Costs	\$348	\$516	N/A	\$864
Growth Media Placement Costs	\$224	\$470	N/A	\$694
Liner Cutting & Folding Costs	\$4,580	\$2,396	N/A	\$6,976
Subtotal Earthworks	\$5,152	\$3,382	\$0	\$8,534
Revegetation Costs	\$100	\$38	\$133	\$271
TOTALS	\$5,252	\$3,420	\$133	\$8,805
cess Ponds - Liner Cutting and Folding				
cess Ponds - Liner Cutting and Folding				
Description (required)	Crew Hours hrs	Total Labor Cost \$	Total Equipment Cost \$	Total Liner Removal Cost S
	Crew Hours	Total Labor Cost	Total Equipment	Total Liner Removal

Proc	cess Ponds - Backfill and Growth Media Co	osts																	
	Pond Backfill											Growth Media							
	Description (required)	Backfill Volume <sub>Cy</sub>	Backfill Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours hrs	Total Labor Cost \$	Total Equipment Cost \$	Total Backfill Cost \$	Growth Media Volume <sub>Cy</sub>	Growth Media Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Growth Media Cost \$		
1	Reclaim Pond	1,539	D7R	308		5	\$348	\$516	\$864	297	725/966G/D7R	427	2	1	\$224	\$470			
		1,539				5	\$348	\$516	\$864	297				1	\$224	\$470	\$694		

Process Ponds - Revegetation Costs					
Description (required)	Surface Area acres	Revegetation Labor Cost \$	Revegetation Equipment Cost \$	Revgetation Material Cost \$	Total Revegetation Cost \$
1 Reclaim Pond	0.40	\$100	\$38	\$133	\$271
	0.40	\$100	\$38	\$133	\$271

	Labor	Equipment	Materials	Totals
Regrading Cost	\$0	\$0	N/A	\$(
Cover Placement Cost	\$0	\$0	N/A	\$0
Growth Media Placement Cost	\$28,860	\$68,069	N/A	\$96,92
Ripping/Scarifying Cost	\$6,346	\$20,451	N/A	\$26,79
Subtotal Earthworks	\$35,206	\$88,520		\$123,72
Revegetation Cost	\$11,639	\$4,423	\$33,813	\$49,87
TOTALS	\$46,845	\$92,943	\$33,813	\$173,60

Yar	ds, Etc User Input			You must fill in ALL green cells and relevant blue cells in this section for each building or facility										
	Facility Description				Physical			Cover			Growth Media			
	Description (required)	ID Code	Туре	Area	Average Flat Area Long Dimension (ripping distance) ft	Regrade Volume (calculated elsewhere) <sub>Cy</sub>	Cover Thickness in	Distance from Cover Borrow Area ft	Slope from Facility to Borrow Area % grade	Growth Media Thickness in	Distance from Growth Media Stockpile ft	Slope from Facility to Stockpile % grade		
1	Yard	Y01	Yard	5.02	1,128					12	4.918	-1.6		
	Substation	Y02	Yard	0.11	80					12	4,918	-1.6		
3	Sanitation Field	Y03	Other Facilities	2.40	432					12	3,222	-1.9		
4	Sanitation Field	Y04	Other Facilities	2.84	490					12	2,881	-1.7		
5	UG Utilities	Y05	Yard	1.92	371					12	3,278	-3.7		
6	Parking Lot	Y06	Yard	0.55	196					12	861	4.1		
7	Parking Lot	Y07	Yard	0.11	81					12	667	5.2		
8	Contractor Laydown Yard	Y08	Yard	4.93	755					12	1,525	-0.3		
	Contractor Office Laydown	Y09	Yard	0.65	262					12	7,753	-2.7		
10	Helipad	Y10	Yard	0.17	120					12	2,417	-3.9		
11	Weather Station	Y11	Yard	0.26	116					12	3,129	-2.4		
12	Well Pad	Y12	Yard	0.19	119									
13	Vent Shaft #1 Pad	Y13	Yard	0.05	50					12	4,636	-4.1		
14	Vent Shaft #2 Pad	Y14	Yard	0.06	50					12	6,206	-5.3		
15	Water Tank Pad	Y15	Yard	0.09	40					12	4,823	-5.1		
16	Explosive Magazine	Y16	Yard	0.03	40					12	5,200	-4.2		
17	Well Pad	Y17	Yard	0.07	60									
	Well Pad	Y18	Yard	0.08	60									
	Well Pad	Y19	Yard	0.07	60									
20	Well Pad	Y20	Yard	0.08	60									
	Well Pad	Y21	Yard	0.07	60									
22	Disturbed Area	DA01	Other Facilities	50.91	4,300									
23	Disturbed Area	DA02	Other Facilities	3.77	2,075									
	Growth Media Stockpile	GM01	Other Facilities	11.62	1,108									
25	Growth Media Stockpile	GM02	Other Facilities	5.38	823									
26	Growth Media Stockpile	GM03	Other Facilities	1.21	271									
	UG Backfill Aggregate Stockpile	SP01	Other Facilities	0.11	95					12	2,881	-3.7		
	ROM Stockpile	SP02	Other Facilities	0.18	152					12	4,918	-1.6		
29	Waste Rock Dump Area	WD01	Other Facilities	8.39	861					12	1,917	0.0		

Notes:
1. All provide parameters must be input even if manual overrides for volume or area are used.
2. If Slope from facility to borrow source is >20, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivity Sheet)

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

	Labor	Equipment	Materials	Totals
Regrading Cost	\$0	\$0	N/A	\$(
Cover Placement Cost	\$0	\$0	N/A	\$0
Growth Media Placement Cost	\$28,860	\$68,069	N/A	\$96,929
Ripping/Scarifying Cost	\$6,346	\$20,451	N/A	\$26,797
Subtotal Earthworks	\$35,206	\$88,520		\$123,726
Revegetation Cost	\$11,639	\$4,423	\$33,813	\$49,875
TOTALS	\$46,845	\$92,943	\$33,813	\$173,601

Yare	ds, Etc User Input (cont.)		You must fill in A	LL green cells	and relevant b	lue cells in this	s section for ea	ch building o	r facility						
			Grading			Cover			Growth Medi	ia		R	evegetation		
	Description (required)	Regrading Material Condition (select)	Regrading Material Type (select)	Regrading Equipment Fleet (select)	Cover Material Type (select)	Cover Placement Equipment Fleet (select)	Maximum Fleet Size (user override)	Growth Media Material Type (select)	Growth Media Equipment Fleet (select)	Maximum Fleet Size (user override)	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarify/ Rip? (select)	Ripping Fleet (select)
1	Yard	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
2	Substation	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
3	Sanitation Field	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
4	Sanitation Field	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
5	UG Utilities	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
6	Parking Lot	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
7	Parking Lot	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
8	Contractor Laydown Yard	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
9	Contractor Office Laydown	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
10	Helipad		Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
	Weather Station	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
12	Well Pad	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
	Vent Shaft #1 Pad		Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
14	Vent Shaft #2 Pad	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
15	Water Tank Pad	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
	Explosive Magazine		Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
17	Well Pad	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
18	Well Pad	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
	Well Pad		Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
20	Well Pad	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
21	Well Pad	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
22	Disturbed Area	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
23	Disturbed Area	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
24	Growth Media Stockpile	1	Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
	Growth Media Stockpile		Alluvium	Small							Mix 2	None	None	Yes	Med Dozer
26	Growth Media Stockpile	1	Alluvium	Small								None	None	Yes	Med Dozer
27	UG Backfill Aggregate Stockpile	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
	ROM Stockpile	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer
29	Waste Rock Dump Area	1	Alluvium	Small				Alluvium	Small Truck		Mix 2	None	None	Yes	Med Dozer

Notes: 1. Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

	Labor	Equipment	Materials	Totals
Regrading Cost	\$0	\$0	N/A	\$(
Cover Placement Cost	\$0	\$0	N/A	\$0
Growth Media Placement Cost	\$28,860	\$68,069	N/A	\$96,929
Ripping/Scarifying Cost	\$6,346	\$20,451	N/A	\$26,797
Subtotal Earthworks	\$35,206	\$88,520		\$123,726
Revegetation Cost	\$11,639	\$4,423	\$33,813	\$49,875
TOTALS	\$46,845	\$92,943	\$33,813	\$173,601

Yards, Etc. - Calculations

Grading Calculations

Average push distance assumed to be 2/3 of the 600 feet maximum from Catepillar Handbook or 400 feet Material assumed to be loose stockiel (1.2 productivity factor) Slope assumed to be 0 to 5% (1.0 productivity factor)

Cover Volume Calculation

Yard area x cover thickness

Ripping/Scarifying Calculations

Flat area width = Final flat area ÷ Average long dimensions Number of passes = Flat area width + Grader width Travel distance = Number of passes x Average long dimensions Total hours = (Travel distance + Grader productivity) + (Number of passes x Grader maneuver time) Minimum 1 hr ripping/scarifying per area

Revegetation

Minimum 1 acre revegetation crew time per area

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.xIsm Model Version: Version 1.4.1 Cost Data: User Data Cost Data: User Data Cost Estimate Type: Surety Cost Basis: Northern Nevada

	Labor	Equipment	Materials	Totals
Regrading Cost	\$0	\$0	N/A	\$(
Cover Placement Cost	\$0	\$0	N/A	\$1
Growth Media Placement Cost	\$28,860	\$68,069	N/A	\$96,92
Ripping/Scarifying Cost	\$6,346	\$20,451	N/A	\$26,79
Subtotal Earthworks	\$35,206	\$88,520		\$123,72
Revegetation Cost	\$11,639	\$4,423	\$33,813	\$49,87
TOTALS	\$46.845	\$92,943	\$33,813	\$173,60

#### Yards, Etc. - Cover and Growth Media Costs

				Cov	er							Growth	Media			
Description (required)	Cover Volume <sub>Cy</sub>	Topsoil Repacement Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Cover Cost \$	Growth Media Volume cy	Growth Media Fleet	Fleet Productivity LCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Growth Medi Cost \$
1 Yard						\$0	\$0	\$0	8,067	725/966G/D7R	510	5	16	\$5,591	\$13,780	\$19,37
2 Substation						\$0	\$0	\$0	161	725/966G/D7R	510	5	1	\$349	\$861	\$1,2
3 Sanitation Field						\$0	\$0	\$0	3,872	725/966G/D7R	501	4	8	\$2,461	\$5,846	\$8,3
4 Sanitation Field						\$0		\$0		725/966G/D7R	528	4	9	\$2,768	\$6,577	\$9,3
5 UG Utilities						\$0		\$0		725/966G/D7R	455	4	7	\$2,153	\$5,116	\$7,2
6 Parking Lot						\$0	\$0	\$0	807	725/966G/D7R	397	2	2	\$448	\$940	\$1,38
7 Parking Lot						\$0		\$0		725/966G/D7R	415	2	1	\$224	\$470	\$69
8 Contractor Laydown Yard						\$0		\$0		725/966G/D7R	533	3	15	\$3,987	\$9,005	\$12,9
9 Contractor Office Laydown						\$0		\$0		725/966G/D7R	552	7	2	\$866	\$2,244	\$3,1
10 Helipad						\$0		\$0		725/966G/D7R	528	4	1	\$308	\$731	\$1,0
11 Weather Station						\$0	\$0	\$0	484	725/966G/D7R	508	4	1	\$308	\$731	\$1,0
12 Well Pad						\$0	\$0	\$0						\$0	\$0	
13 Vent Shaft #1 Pad						\$0	\$0	\$0	1	725/966G/D7R	469	5	1	\$349	\$861	\$1,21
14 Vent Shaft #2 Pad						\$0	\$0	\$0	161	725/966G/D7R	552	7	1	\$433	\$1,122	\$1,55
15 Water Tank Pad						\$0	\$0	\$0	161	725/966G/D7R	553	6	1	\$391	\$992	\$1,3
16 Explosive Magazine						\$0	\$0	\$0	1	725/966G/D7R	528	6	1	\$391	\$992	\$1,3
17 Well Pad						\$0	\$0	\$0						\$0	\$0	
18 Well Pad						\$0	\$0	\$0						\$0	\$0	
19 Well Pad						\$0	\$0	\$0						\$0	\$0	
20 Well Pad						\$0	\$0	\$0						\$0	\$0	
21 Well Pad						\$0	\$0	\$0						\$0	\$0	
22 Disturbed Area						\$0	\$0	\$0						\$0	\$0	
23 Disturbed Area						\$0	\$0	\$0						\$0	\$0	9
24 Growth Media Stockpile						\$0	\$0	\$0						\$0	\$0	
25 Growth Media Stockpile						\$0	\$0	\$0						\$0	\$0	9
26 Growth Media Stockpile						\$0	\$0	\$0						\$0	\$0	
27 UG Backfill Aggregate Stockpile						\$0	\$0	\$0	161	725/966G/D7R	485	4	1	\$308	\$731	\$1,03
28 ROM Stockpile						\$0	\$0	\$0	323	725/966G/D7R	510	5	1	\$349	\$861	\$1,2
29 Waste Rock Dump Area						\$0	\$0	\$0	13,552	725/966G/D7R	508	3	27	\$7,176	\$16,209	\$23,3
						\$0	\$0	\$0	44.851				96	\$28.860	\$68.069	\$96,92

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671LGrassyMtn Plan.RCE.V1.xIsm Model Version: Version 1.4.1 Cost Data: User Data Cost Data: User Data Cost Estimate Type: Surety Cost Basis: Northern Nevada

	Labor	Equipment	Materials	Totals
Regrading Cost	\$0	\$0	N/A	\$(
Cover Placement Cost	\$0	\$0	N/A	\$1
Growth Media Placement Cost	\$28,860	\$68,069	N/A	\$96,92
Ripping/Scarifying Cost	\$6,346	\$20,451	N/A	\$26,79
Subtotal Earthworks	\$35,206	\$88,520		\$123,72
Revegetation Cost	\$11,639	\$4,423	\$33,813	\$49,875
TOTALS	\$46,845	\$92,943	\$33,813	\$173,60

#### Yards, Etc. - Scarifying/Revegetation Costs

	Description (required)	Surface Area acres	Area Long Dimension ft	Ripping/ Scarifying Fleet	Scarifying/ Ripping Hours hrs	Scarifying/ Ripping Labor Costs \$	Scarifying/ Ripping Equipment Cost \$	Total Scarifying/ Ripping Costs \$	Revegetation Labor Cost \$	Revegetation Equipment Cost \$	Revgetation Material Cost \$	Total Revegetation Cost \$
1	Yard	5.02	1,128	D9R	4	\$279	\$899	\$1,178	\$502	\$191	\$1,670	\$2,36
2	Substation	0.11	80	D9R	1	\$70	\$225	\$295	\$100	\$38	\$37	\$17
3	Sanitation Field	2.40	432	D9R	2	\$139	\$449	\$588	\$240	\$91	\$799	\$1,13
4	Sanitation Field	2.84	490	D9R	2	\$139	\$449	\$588	\$284	\$108	\$945	\$1,33
5	UG Utilities	1.92	371	D9R	1	\$70	\$225	\$295	\$192	\$73	\$639	\$90
6	Parking Lot	0.55	196	D9R	1	\$70	\$225	\$295	\$100	\$38	\$183	\$32
7	Parking Lot	0.11	81	D9R	1	\$70	\$225	\$295	\$100	\$38	\$37	\$17
	Contractor Laydown Yard	4.93	755	D9R	4	\$279	\$899	\$1,178	\$493	\$187	\$1,640	\$2,32
	Contractor Office Laydown	0.65	262	D9R	1	\$70	\$225	\$295	\$100	\$38	\$216	\$35
10	Helipad	0.17	120	D9R	1	\$70	\$225	\$295	\$100	\$38	\$57	\$19
11	Weather Station	0.26	116	D9R	1	\$70	\$225	\$295	\$100	\$38	\$87	\$22
12	Well Pad	0.19	119	D9R	1	\$70	\$225	\$295	\$100	\$38	\$63	\$20
13	Vent Shaft #1 Pad	0.10	50	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
14	Vent Shaft #2 Pad	0.10	50	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
15	Water Tank Pad	0.10	40	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
16	Explosive Magazine	0.10	40	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
17	Well Pad	0.10	60	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
	Well Pad	0.10	60	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
19	Well Pad	0.10	60	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
	Well Pad	0.10	60	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
21	Well Pad	0.10	60	D9R	1	\$70	\$225	\$295	\$100	\$38	\$33	\$17
22	Disturbed Area	50.91	4,300	D9R	37	\$2,577	\$8,312	\$10,889	\$5,091	\$1,935	\$16,940	\$23,96
23	Disturbed Area	3.77	2,075	D9R	3	\$209	\$674	\$883	\$377	\$143	\$1,254	\$1,77
	Growth Media Stockpile	11.62	1,108	D9R	9	\$627	\$2,022	\$2,649	\$1,162	\$442	\$3,867	\$5,47
	Growth Media Stockpile	5.38	823	D9R	4	\$279	\$899	\$1,178	\$538	\$204	\$1,790	\$2,53
26	Growth Media Stockpile	1.21	271	D9R	1	\$70	\$225	\$295	\$121	\$46	\$403	\$57
27	UG Backfill Aggregate Stockpile	0.11	95	D9R	1	\$70	\$225	\$295	\$100	\$38	\$37	\$17
	ROM Stockpile	0.18	152	D9R	1	\$70	\$225	\$295	\$100	\$38	\$60	\$19
29	Waste Rock Dump Area	8.39	861	D9R	6	\$418	\$1,348	\$1,766	\$839	\$319	\$2,792	\$3,95

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

Vaste Disposal - Cost Summary					
		Labor	Equipment	Fees	Totals
Solid Waste - On Site		\$0	\$0	N/A	\$C
Solid Waste - Off Site					\$1,131
Hazardous Materials					\$5,317
Hydrocarbon Contaminated Soils		\$0	\$0	\$4,498	\$4,498
	TOTALS	\$0	\$0	\$4,498	\$10,946

Waste	Waste Disposal - User Input - Solid Waste										
						Land	fill (Bulk) Dis	posal	Dumpster		
	Description (required)	ID Code	Waste Type (select)	Disposal Method (select)	Quantity cy	Distance to Landfill ft	Slope to Landfill % grade	Number of Trucks (user override)	Months Dumpster Rental months		
1	Misc. Site Clean-Up		Waste Mgmt & Disposal	Dumpster	5				5		

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, downhill travel time may be underestimated due to limitation of uphill travel time curves and downhill speed tables from CAT Handbook (see Productivty Sheet)

Waste I	Disposal - User Input - Hazardous Materials	6							
	Description (required)	ID Code	Waste Type (select)	Container Type (select)	Vacuum Truck Size (select)	Liquid Quantity gallons	Soild Quantity <sub>Cy</sub>	One Way Travel Distance to Disposal Site mi	One Way Travel Time to Disposal Site hr
1	Misc. Solid Hazardous Waste		Waste Mgmt & Disposal	Solid Bulk			5	250	5.0
2	Misc. Liquid Hazardous Waste		Waste Mgmt & Disposal	Liquid Bulk	Small (2,200 gal	)		250	5.0

Notes:

1. Use Other Demo & Equip Removal Sheet for tank removal

Wa	Waste Disposal - User Input - Hydrocarbon Contaminated Soils										
		Description (required)	ID Code	Waste Type (select)	Disposal Method (select)	Quantity <sub>Cy</sub>	Travel Distance to Offsite Disposal mi				
	1	Misc. Hydrocarbon Contaminated Soils		Waste Mgmt & Disposal	Off site	5	250				

Notes:

1. Use Yards or Landfills Sheets for bioremediation facility reclamation

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

	Labor	Equipment	Fees	Totals
Solid Waste - On Site	\$0	\$0	N/A	\$(
Solid Waste - Off Site				\$1,13
Hazardous Materials				\$5,317
Hydrocarbon Contaminated Soils	\$0	\$0	\$4,498	\$4,498
TOTALS	S \$0	\$0	\$4,498	\$10,946

#### Waste Disposal - Assumptions & Calculations

#### Solid Waste Disposal

Off site disposal assumes use of average rolloff dumpster [30 cy (m3), 10 ton (tonne)] On site disposal assumes use of small loader/truck fleet for haulage Average density for on site disposal = 2,600 lb/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 quantity each line. If container type = 55 gallon (200 liter) drum then solid waste hauling costs apply Average density for solids assumed to be 2,600 lb/cy (1,540 kg/m3) Vacuum truck sizes: small = 2,200 gal (~8,300 litres), large = 5,000 gal (~19,000 litres) Vacuum truck on site for 4 hours for each load

#### Hydrocarbon Contaminated Soils Disposal

Assumes all hazardous materials are known On site disposal assumes biopad treatment Exavation productivity =45 cy/hr (35 m3/hr) (Means Heavy Construction, 2006: 02315-424-0360)

Waste	e Disposal - Solid Waste Disposal										
	Description (required)	Waste Volume cy	Number of Off Site Dumpster Loads	Landfill Fleet Equipment	Landfill Fleet Productivity LCY/hr	Number of Trucks	Total Fleet Hours	Total Dumpster Cost \$	Total Labor Cost \$	Total Equipment Cost \$	Total Waste Disposal Cost \$
1	Misc. Site Clean-Up	5	1					\$1,131	\$0	\$0	\$0
		5						\$1,131	\$0	\$0	\$0

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

Waste Disposal - Cost Summary				
	Labor	Equipment	Fees	Totals
Solid Waste - On Site	\$0	\$0	N/A	\$0
Solid Waste - Off Site				\$1,131
Hazardous Materials				\$5,317
Hydrocarbon Contaminated Soils	\$0	\$0	\$4,498	\$4,498
TOTALS	\$0	\$0	\$4,498	\$10,946

Waste	Disposal - Hazardous Materials Dispo	osal							
	Description (required)	Liquid Waste Volume gallons	Solid Waste Volume cy	Number of Truck Loads	Tons of Waste Tons	Pick-up Fees \$	Transport Fees \$	Disposal Fees \$	Total Hazardous Material Cost \$
1	Misc. Solid Hazardous Waste		5	1	7	\$2,766	\$611	\$1,940	\$5,317
2	Misc. Liquid Hazardous Waste	Enter Quantity!		Enter Quantity!	0	\$0	\$0	\$0	\$0
			5		7	\$2,766	\$611	\$1,940	\$5,317

Waste	Disposal - Hydrocarbon Contaminated	Soils								
	Description (required)	Quantity cy	Disposal Equipment Fleet	Total Fleet Hours	Treatment Cost \$	Transport Fees \$	Disposal Fees \$	Total Labor Cost \$	Total Equipment Cost \$	Total Waste Disposal Cost \$
1	Misc. Hydrocarbon Contaminated Soils	5	Road Trucks	0	\$0	\$3,055	\$1,443	\$0	\$0	\$4,49
		5			\$0	\$3,055	\$1,443	\$0	\$0	\$4,49

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

Well Abandonment				
	Labor	Equipment	Materials	Totals
Production, Dewatering, Infiltration Wells	\$7,144	\$19,032	\$1,936	\$28,112
Monitoring Wells	\$0	\$0	\$0	\$0
TOTALS	\$7,144	\$19,032	\$1,936	\$28,112

Production Well 4         W-W4         1         10.0         500         270         140         Grout + Ba         0.550         190         11.40         0.40         3.50         \$0         \$883         \$2,716         \$791         \$2,009         \$2           Production Well 5         W-W5         1         10.0         500         270         140         Grout + Ba         0.550         190         11.40         0.40         3.50         \$0         \$883         \$2,716         \$791         \$2,009         \$2           Production Well 5         W-W5         1         10.0         500         270         140         Grout + Ba         0.550         190         11.40         0.40         3.50         \$0         \$883         \$2,716         \$791         \$2,009         \$2           Production Well 6 (Alt)         W-W6         1         10.0         500         270         140         Grout + Ba         0.550         190         11.40         0.40         3.50         \$0         \$883         \$2,716         \$791         \$2,009         \$2           Production Well 7 (Alt)         W-W7         1         10.0         500         270         140         Grout + Ba         0.550	Description (required)	ID Code	Number of Holes	Casing Diam in	Average Depth <sup>(1)</sup> ft bgs	Depth to First Water ft bgs	Top of Slotted Casing <sup>(2)</sup> ft bgs	of	Type of Pump (if any) (select)	Depth to Pump ft bgs	Hole Plug Method (select)	Casing Volume per ft cf	Perforation Length <sup>(3,4)</sup> ft	Grout Volume per Hole <sup>(4,5)</sup> cy	Cement Volume per Hole <sup>(6)</sup> cy	Inert Media Volume per Hole <sup>(7)</sup> cy	Pump Removal Labor Cost \$	Pump Removal Equip Cost \$	Perf Labor Cost \$	Perf Equip Cost <sup>(8)</sup> \$	Grout + Cement Labor Cost <sup>(9)</sup> \$	Grout + Cement Equip Cost <sup>(9)</sup> \$	Grout + Cement Material Cost \$
Production Well 6 (Alt) W-W6 1 10.0 500 270 270 140 Grout + Ba 0.550 190 11.40 0.40 3.50 \$0 \$0 \$883 \$2,716 \$791 \$2,009 \$	Production Well 4	W-W4	1	10.0	500	270	270	140			Grout + Ba	0.550	190	11.40	0.40	3.50	\$0	\$0	\$883	\$2,716	\$791	\$2,009	9
Production Well 6 (Alt)         W-W6         1         10.0         500         270         140         Grout + Ba         0.550         190         11.40         0.40         3.50         \$0         \$883         \$2,716         \$791         \$2,009           Production Well 7 (Alt)         W-W7         1         10.0         500         270         270         140         Grout + Ba         0.550         190         11.40         0.40         3.50         \$0         \$883         \$2,716         \$791         \$2,009	Production Well 5	W-W5	1	10.0	500	270	270	140			Grout + Ba	0.550	190	11.40	0.40	3.50	\$0	\$0	\$883	\$2,716	\$791	\$2,009	
Production Well 7 (Alt) W-W7 1 10.0 500 270 270 140 Grout + Ba 0.550 190 11.40 0.40 3.50 \$0 \$0 \$883 \$2,716 \$791 \$2,009	Production Well 6 (Alt)	W-W6	1	10.0	500	270	270	140			Grout + Ba	0.550	190	11.40	0.40	3.50	\$0	\$0	\$883	\$2,716	\$791	\$2,009	
	Production Well 7 (Alt)	W-W7	1	10.0	500	270	270	140			Grout + Ba	0.550	190	11.40	0.40	3.50	\$0	\$0	\$883	\$2,716	\$791		

(1) For previously abandoned holes enter "0" for depth

(2) Wells abandoned per Nevada Administrative Code (NAC 534.420). Hole grouted and perforated from bottom to 50 feet (15.24m) above the top of the screen, or first water level, depending on vertical hydraulic gradient and well construction parameters. Inert media (cuttings or alluvium) used from top of grout to top seal. (3) Perforation length = amount of blank casing below first water (for confined aquifers) or predicted recovered water table (unconfined aquifers) + 50 feet (15.24m) of blank casing above water table

(4) Assumes 50' (15.24m) sanitary seal at top of hole. Therefore, perforation and grouting only required to bottom of sanitary seal.

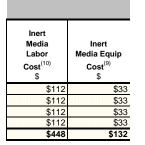
(5) Assumes 100% loss to formation for grout (abandonite) for screened and perforated sections.

(6) Assumes 20' (6m) top seal of cement in casing only. See note 4.
 (7) Inert material is cuttings or alluvium sourced locally.

(8) Includes perforation tool wear cost/ft of perforation (see Productivty Sheet).
(9) See Productivity Sheet for hourly production. Minimum 1 hr per hole + fixed hours per hole for move and setup. If no perforation required, use standard drill rig.
(10) See Productivity Sheet for hourly production. Minimum 1 hr per hole.

Notes: Wells 2 and 3 are pre-existing wells and will remain post-mine. Wells 4-7 have not been drill yet. Numbers are from the conceptual designs.

Closure Cost Estimate Well Abandonment



Well Abandonment

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.xIsm 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

#### Woll Ab

	Labor	Equipment	Materials	Totals
Production, Dewatering, Infiltration Wells	\$7,144	\$19,032	\$1,936	\$28,112
Monitoring Wells	\$0	\$0	\$0	\$0
TOTALS	\$7,144	\$19,032	\$1,936	\$28,112

### Monitoring Well Closure

										Cement	Inert	Total	Total	Grout +	Grout +	Grout +	Inert	Inert
			Number			Тор	Hole	Casing	Grout	Volume	Backfill	Grouting	Inert Media	Cement	Cement	Cement	Material	Material
	Description		of	Casing	Average	of	Plug	Volume	Volume/	per	Volume	Hours/	Hours/	Labor	Equip	Material	Labor	Equip
	(required)	ID Code	Holes	Diam	Depth	Screen <sup>(1)</sup>	Method	per ft	Well <sup>(2,3)</sup>	Hole <sup>(4)</sup>	per Hole <sup>(5)</sup>	Hole	Hole	Cost <sup>(6)</sup>	Cost <sup>(6)</sup>	Cost	Cost <sup>(7)</sup>	Cost <sup>(7)</sup>
	(,			in	ft bas	ft bas	(select)	ft3	CV	CV	CV	hr	hr	\$	\$	\$	\$	\$
L							(******)		-)	-)	-,			÷ ۵۷	÷	- -		- -
														\$0	\$0	\$0	\$0	\$0

Wells abandoned per NAC 534.420 with bentonite grout placed to 50 feet above the top of the screen (see note 1). (1) Assumes top of screen is at or above the static water level (in unconfined aquifers) or the depth of first water encountered (in confined aquifers).

Assumes top of screen is at or above the static water level (in unconfined aquifers) or the depth of first water encountered (in confined at (2) Assumes 25% loss to formation for grouting
 Grouting only required to 50' (15.24m) above the top of screen because monitor wells are constructed with a seal in the annular space.
 Assumes top 20' (6m) plugged with cement.
 Assumes hole plugged with inert material (cuttings or alluvium) above grout up to cement surface plug.
 See Productivity Sheet for hourly production. Minimum 1 hr per hole + fixed hours per hole for move and setup (see Productivity Sheet).
 See Productivity Sheet for hourly production. Minimum 1 hr per hole.

Notes:

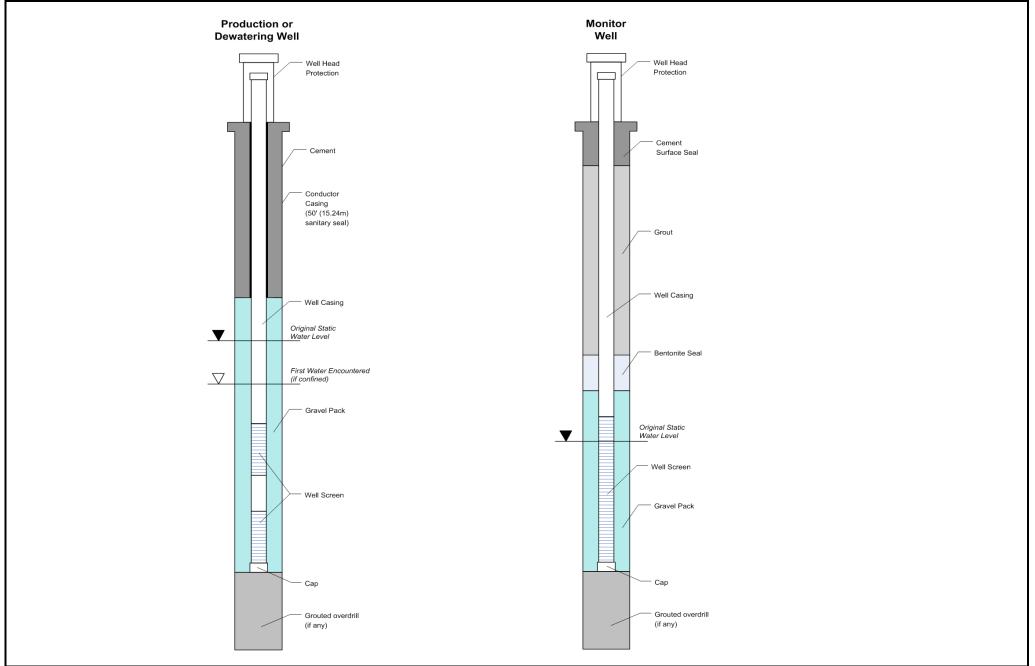
Well Abandonment

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

#### Well Abandonment

well Abandonment				
	Labor	Equipment	Materials	Totals
Production, Dewatering, Infiltration Wells	\$7,144	\$19,032	\$1,936	\$28,112
Monitoring Wells	\$0	\$0	\$0	\$0
TOTALS	\$7,144	\$19,032	\$1,936	\$28,112

#### Well Construction



Well Abandonment

#### Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671LGrassyMtn Plan.RCE.V1.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

	Labor	Equipment	Materials	Totals
Fence Removal	\$41,588	\$15,286	N/A	\$56,874
Fence Installation	\$0	\$0	\$0	\$0
Culvert & Buried Pipe Removal	\$1,132	\$398	N/A	\$1,530
Surface Pipe Removal	\$0	\$0	N/A	\$0
Power Lines	\$57,342	N/A	N/A	\$57,342
Substations/Transformers	\$56,086	N/A	N/A	\$56,086
Rip-rap, rock lining, gabions	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0
TOTALS	\$156,148	\$15,684	\$0	\$171,832

Fend	ce Removal			You must fill in Al	LL green and blue	cells	
					Costs		
	Description (required)	ID Code	Length ft	Type (select type)	Labor Cost \$	Equipment Cost \$	Total Cost \$
1	Project Perimeter Fence	F01	22,480	Barbed 4-strand	\$41,588	\$15,286	\$56,874
					\$41 588	\$15,286	\$56 874

Notes:

Input         Costs           Description (required)         ID Code         Length It         Type (select type)         Cost S         Cost S         Cost S         Cost S         Cost S         Cost S	Fence Installation			You must fill in A	LL green and blue	cells			
(required) ID Code Length Type Cost Cost Cost Cost			Input			Co	sts		
		ID Code	Length ft			Cost Cost Cos			

Notes:

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671(GrassyMtn Plan.RCE.V1.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

· · · · · ·	Labor	Equipment	Materials	Totals
Fence Removal	\$41,588	\$15,286	N/A	\$56,874
Fence Installation	\$0	\$0	\$0	\$0
Culvert & Buried Pipe Removal	\$1,132	\$398	N/A	\$1,530
Surface Pipe Removal	\$0	\$0	N/A	\$0
Power Lines	\$57,342	N/A	N/A	\$57,342
Substations/Transformers	\$56,086	N/A	N/A	\$56,086
Rip-rap, rock lining, gabions	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0
	TOTALS \$156.148	\$15.684	\$0	\$171,832

Culv	ert & Buried Pipe Removal			You must fill in A	You must fill in ALL green and blue cells					
				Costs						
	Description (required)	ID Code	Length ft	Type (select type)	Location (select)	Labor Cost \$	Equipment Cost \$	Total Cost \$		
1	Culvert 5	C05	24	24 in (600 mm) D	On site	\$243	\$85	\$328		
2	Culvert 6	C06	58	24 in (600 mm) D	On site	\$586	\$206	\$792		
3	Culvert 7	C07	30	24 in (600 mm) D	On site	\$303	\$107	\$410		
			-		•	\$1,132	\$398	\$1,530		

Notes: All water supply and infrastructure pad pipelines are 18-inches deep and will be capped and abandoned in place. Culverts 1-4 will be left in place for stormwater control.

# Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671LGrassyMtn Plan.RCE.V1.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

	Labor	Equipment	Materials	Totals
Fence Removal	\$41,588	\$15,286	N/A	\$56,874
Fence Installation	\$0	\$0	\$0	\$(
Culvert & Buried Pipe Removal	\$1,132	\$398	N/A	\$1,530
Surface Pipe Removal	\$0	\$0	N/A	\$0
Power Lines	\$57,342	N/A	N/A	\$57,342
Substations/Transformers	\$56,086	N/A	N/A	\$56,086
Rip-rap, rock lining, gabions	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0
TOTALS	\$156,148	\$15,684	\$0	\$171,832

Surf	ace Pipe Removal	LL green and blue	cells					
				Costs				
	Description (required)	ID Code	Length ft	Type (select type)	Location (select)	Labor Cost \$	Equipment Cost \$	Total Cost \$
						\$0	\$0	\$0

Notes:

Pow	er Line and Substation Removal				You must fill in A	ALL green and blue	cells				
			Input				Costs			Cost Breakdown	
	Description (required)	ID Code	Power Line Length miles	Power Line Type (select)	Number of Substations #	Location (select)	Power Line Removal \$	Substation Removal \$	Total Cost \$	Labor Cost \$	Equipment Cost \$
1	Power Line 1	PL01	0.20642	Single Pole	1	On-site	\$9,184	\$56,086	\$65,270	\$13,054	\$52,216
2	Power Line 2	PL02	0.424266	Single Pole		On-site	\$18,877	\$0	\$18,877	\$3,775	\$15,102
3	Power Line 3	PL03	0.082453	Single Pole		On-site	\$3,669	\$0	\$3,669	\$734	\$2,935
4	Power Line 4	PL04	0.575619	Single Pole		On-site	\$25,612	\$0	\$25,612	\$5,122	\$20,490
							\$57,342	\$56,086	\$113,428	\$22,685	\$90,743

Notes: If substation owned by operator, use Other Demo & Equipment Removal sheet User may need to add line items in Foundations & Buildings for substation slab demotition and fence removal Labor/Equipment costs assume approximately 80% of cost are equipment and 20% are labor related costs On-site Powerlines from one Substartion

Rip-l	Rip-Rap & Rock Lining You must fill in ALL green and blue cells							
			Input	Costs				
	Description				Labor	Equipment	Material	Total
	(required)	ID Code	Area	Type	Cost	Cost	Cost	Cost
			S.Y.	(select type)	\$	\$	\$	\$
					\$0	\$0	\$0	\$0

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 36711.GrassyMtn Plan.RCE.V1.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

			Lab &	
	Labor	Equipment	Materials	Totals
Revegetation Maintenance	\$2,984	\$1,134	\$9,929	\$14,047
Erosion Maintenance	\$0	\$0	N/A	\$0
Reclamation Monitoring	\$16,260	\$1,449	N/A	\$17,709
Subtotal Reclamation Monitoring	\$19,244	\$2,583	\$9,929	\$31,756
Water Quality Monitoring	\$0	\$0	\$0	\$0
TOTAL MONITORING	\$19,244	\$2,583	\$9.929	\$31,756

Reclamation Maintenance

Description	Total Revegetation Surface Area (1,2) acres	% Area Requiring Reseeding	Seed Mix (select)	Area Requiring Reseeding acres	Seed \$/acres	Labor \$/acres	Equipment \$/acres	Totals \$
Revegetation Maintenance	298	10%	Mix 2	29.8	\$332.75	\$100.00	\$38.00	
Labor Equipment Materials Cost/Acre							Subtotal	\$2,984 \$1,134 \$9,925 \$471 \$14,047

Notes: 1) Surface area is NOT the same as footprint disturbance area typically used for permitting purposes.

	Total Volume Growth Media cy	% Volume Requiring Maintenance	Average Growth Media Placement Cost \$/CY	Volume Requiring Replacement cy	Labor (assume: 25%) \$/acres	Equipment (assume: 75%) \$/acres	Total \$
Erosion Maintenance	430,937		\$1.84	0	\$0.00	\$0.00	\$0

Notes:

		1	Number of	r	
Description	Hrs/Day	Days/Year	Years	Rate	
beschption	marbay	Days/Teal	rears	\$/hr	
Field Work					
Field Geologist/Engineer	8	2	3	\$169.38	\$8,13
Range Scientist				\$155.34	S
Reporting					
ield Geologist/Engineer	8	2	3	\$169.38	\$8,13
tange Scientist				\$155.34	S
					Subtotal \$16,26
Fravel					
	Hrs/Trip	Trips/Year	Years	Truck Cost	
	hr			\$/hr	
ravel	8	2	3	\$30.19	\$1,44
					Subtotal \$1,44
					Total Reclamation Monitoring \$17,70
N	otes:				

#### Closure Cost Estimate Constr. Mgmt

Project Name: Grassy Mountain Mine - Reclamation Plan Date of Submittal: November 2019 File Name: 3671I.GrassyMtn Plan.RCE.V1.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

Construction Management & Road Mainte	nance - Cost S	ummary		
	Labor	Equipment	Materials	Totals
Construction Management	\$32,000	\$6,109	N/A	\$38,109
Construction Support		\$3,542		\$3,542
Road Maintenance	\$9,000	\$12,425	\$0	\$21,425
TOTAL CONSTRUCTION MANAGEMENT	\$41,000	\$22,076	\$0	\$63,076

		Constr	uction Manage	ment Staff			
Description	Duration mo.	Hours/ Month hr.	Number of Supervisors	Supervisor Rate \$/hr	Labor Cost \$	Equipment Cost <sup>(1)</sup> \$	Totals \$
Active Reclamation	2	160	1	\$100.00	\$32,000	\$6,109	\$38,10
Monitoring & Maintenance					\$0	\$0	\$
				Total Staff	\$32,000	\$6,109	\$38,10
Construction Managemen	Duration mo.	Number of Units		Rental Rate \$/mo	Generator Cost \$/mo	Equipment Cost <sup>(1)</sup> \$	Totals \$
Temporary Office Rental	2	1		\$213	\$1,342	\$3,111	\$3,11
Temporary Toilets	2	1		\$216		\$432	\$43
					Total Support	\$3,542	\$3,54
Notes	s: Office rental assu	mes only 1 genera	tor required for eve	ry 4 trailers	Total Construction	on Management	\$41,6

Description	Fleet Size (select)	Number	Duration mo.	Hours/ Month hr.	Labor Cost \$	Equipment Cost \$	Totals \$
Active Reclamation							
Nater Truck	Small	1	2	40	\$3,346	\$5,159	\$8,505
Grader	Small	1	2	40	\$5,654	\$7,266	\$12,920
Monitoring & Maintena	ance						
Water Truck					\$0	\$0	\$0
Grader					\$0	\$0	\$0
Description	Gallons/ Day	Days/ Month	Duration mo.	Cost/ Gallon \$			Totals \$
Water Fees							
Nater Fees							\$0
			Total Pro	ject Maintenance	\$9,000	\$12,425	\$21,425

Water truck and grader are assumed to be active 25% of time during reclamation

Project Name: Grassy Mountain Mine - Reclamation Plan
Date of Submittal: November 2019
File Name: 3671I.GrassyMtn Plan.RCE.V1.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

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

#### ZONE ADJUSTMENTS 1

Cost Basis/Project Region	Northern Nevada	Churchill, Dou	glas, Elko, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White Pine Counties
Power Equipment Operators	50-150 miles	\$0.00	
Truck Drivers	50-150 miles	\$0.00	
Laborers	50-150 miles	\$0.00	
INDIRECT COSTS			
Unemployment (%)	3.00%		
Retirement/SS/Medicare (%)	7.65%		
Workman's Compensation (%)	8.90%		
Other Indirects			
State Payroll Tax (13),(15),(17),			
		1	
Total Other Indirects	0.00%		

JOB DESCRIPTION         Labor Group         Base Rate (Shr)         Notify (Shr)         Houry (Shr)         Fringe (Shr)         Reference/ (Shr)         Umenpyment (Shr)         Workmark (Shr)         Offer Inder Compension (Shr)           Equipment Operators (S/hr) (2)           Buildozers           DBR         \$37.51         \$0.00         \$37.51         \$22.80         \$1.13         \$2.87         \$3.34         \$5.90           DFR         \$37.51         \$0.00         \$37.51         \$22.80         \$1.13         \$2.87         \$3.34         \$50           DFR         \$37.51         \$0.00         \$37.51         \$22.80         \$1.13         \$2.87         \$3.34         \$50           DFR         \$37.51         \$0.00         \$37.51         \$24.60         \$1.13         \$2.87         \$3.34         \$50           DFR         \$37.51         \$0.00         \$37.51         \$24.60         \$1.13         \$2.87         \$3.34         \$50           Wheeled Dozers         \$37.51         \$0.00         \$37.51         \$24.80         \$1.15         \$2.48         \$1.15         \$2.48         \$1.15         \$2.48         \$1.15         \$2.48         \$1.15         \$2.48         \$1.15         \$2.48         \$1.16         \$2.48 </th <th>EQUIPMENT TYPE (1) OR</th> <th></th>	EQUIPMENT TYPE (1) OR										
Buildozers         St7.51         St7		Labor Group				Fringe (\$/hr)					Total (\$/hr)
OPE         S27.51         S20.00         S37.51         S24.80         S113         S2.87         S3.34         S0           D7R         S37.51         S20.00         S37.51         S24.80         S113         S2.87         S3.34         S0           D7R         S37.51         S20.00         S37.51         S24.80         S113         S2.87         S3.34         S0           D9R         S37.51         S20.00         S37.51         S24.80         S113         S2.67         S3.34         S0           D10R         S37.51         S0.00         S37.51         S24.80         S113         S2.67         S3.34         S0           D10R         S37.51         S0.00         S37.51         S24.80         S113         S2.67         S3.34         S0           D10R         S37.51         S0.00         S38.27         S24.80         S115         S2.64         S3.34         S0           S446          S38.37         S0.00         S38.37         S24.80         S115         S2.94         S3.41         S0           160H         S38.37         S0.00         S38.37         S24.80         S115         S2.94         S3.41         S0	<u> </u>	\$/hr) (2)									
DRF Winch         Image: Star Si Star											
OPR         S37.51         S20.00         S37.51         S24.80         S113         S2.67         S3.34         S9.00           D9R         S37.51         S20.00         S37.51         S24.80         S1.13         S2.67         S3.34         S9.00           D1R         S37.51         S20.00         S37.51         S24.80         S1.13         S2.67         S3.34         S9.00           D1R         S37.51         S20.00         S37.51         S24.80         S1.13         S2.67         S3.34         S9.00           D1R         S37.51         S20.00         S37.51         S24.80         S1.13         S2.67         S3.34         S9.00           B44G         D         S24.80         S1.15         S2.67         S3.34         S9.00           B44G         D         S38.37         S9.00         S88.37         S24.80         S1.15         S2.94         S3.41         S9.00           B44G         S9.00         S88.37         S9.00         S88.37         S24.80         S1.15         S2.94         S3.41         S9.00           B40H         S9.00         S8.87         S24.80         S1.15         S2.94         S3.41         S9.00           B20C <td></td> <td></td> <td>\$37.51</td> <td>\$0.00</td> <td>\$37.51</td> <td></td> <td>\$1.13</td> <td>\$2.87</td> <td>\$3.34</td> <td>\$0.00</td> <td>\$69</td>			\$37.51	\$0.00	\$37.51		\$1.13	\$2.87	\$3.34	\$0.00	\$69
DBR         \$37,51         \$2000         \$37,51         \$24,40         \$1.13         \$2,47         \$3.34         \$0.00           D1R         \$37,51         \$24,40         \$1.13         \$2,47         \$3.34         \$0.00           B44          \$24,40         \$1.16         \$2,440         \$1.16         \$2,44         \$1.16         \$2,44         \$1.16         \$2,44         \$3.41         \$0.00         \$3.67         \$2,440         \$3.116         \$2,24         \$3.41         \$0.00         \$3.67         \$2,440         \$3.116         \$2,24         \$3.41         \$0.00         \$3.67         \$2,440         \$3.116         \$2,44         \$3.41         \$0.00         \$3.67         \$2,440         \$3.116         \$2,44         \$3.41         \$0.00         \$3.67         \$2,440         \$3.116         \$2,44         \$3.41         \$0.00         \$3.67         \$2,440         \$3.116         \$2,44			007.54	<b>*</b> *****	007.54		<b>.</b>	<b>*</b> 0.07	<b>6</b> 0.07	<b>6</b> 0.00	<b>.</b>
OPR         \$37.51         \$2000         \$37.51         \$24.40         \$1.13         \$2.47         \$3.34         \$0.00           D1R         \$37.51         \$20.00         \$37.51         \$24.40         \$1.13         \$2.47         \$3.34         \$0.00           D1R         \$37.51         \$24.40         \$1.13         \$2.47         \$3.34         \$0.00           01R         \$37.51         \$24.40         \$1.13         \$2.47         \$3.34         \$0.00           624G         \$24.40         \$24.40         \$1.13         \$2.47         \$3.44         \$0           644         \$24.40         \$24.40         \$1.15         \$2.04         \$3.41         \$0           70H         \$38.37         \$0.00         \$38.37         \$24.40         \$1.15         \$2.04         \$3.41         \$0           14CH         \$38.37         \$0.00         \$38.37         \$24.40         \$1.15         \$2.04         \$3.41         \$0           24M         \$2.67         \$38.37         \$2.00         \$38.37         \$2.40         \$1.15         \$2.04         \$3.41         \$0           320C         \$38.37         \$2.00         \$38.37         \$2.40         \$1.16         \$2.44										\$0.00	\$69 \$69
D10R         \$37.51         \$20.00         \$37.51         \$24.40         \$1.13         \$2.47         \$3.34         \$0.00           01R         \$37.51         \$24.40         \$1.13         \$2.47         \$3.34         \$0.00           0240         \$37.51         \$24.40         \$1.15         \$2.47         \$3.34         \$0.00           0244         \$24.40         \$1.00         \$24.40         \$1.00         \$24.40         \$1.00         \$1.00         \$1.00         \$24.40         \$1.00         \$24.40         \$1.00         \$1.										\$0.00	\$69
D11R         S37.51         S0.00         S37.51         S24.60         S1.13         S2.87         S3.34         S0           624G          S24.60          S24.60           S24.60           S24.60           S24.60           S24.60           S24.60           S24.60           S24.60           S24.60           S24.60         S1.15         S2.94         S3.41         S0         S3.63         S24.60         S1.16         S2.94         S3.41										\$0.00	\$69
124G         1         224.80         1         1           844         1         224.80         1         1         1           844         1         224.80         1         1         1           844         1         224.80         1 <td< td=""><td></td><td></td><td></td><td>\$0.00</td><td></td><td>\$24.80</td><td></td><td></td><td>\$3.34</td><td>\$0.00</td><td>\$69</td></td<>				\$0.00		\$24.80			\$3.34	\$0.00	\$69
834G         6         524.80         6         6           844         \$24.80         6         6         6           Motor Graders         524.80         51.15         52.94         53.41         50           120H         \$38.37         \$50.00         \$38.37         \$24.80         \$11.15         \$2.94         \$3.41         \$50           160H         \$38.37         \$20.00         \$38.37         \$24.80         \$11.15         \$2.94         \$3.41         \$50           24H         \$38.37         \$20.00         \$38.37         \$24.80         \$11.15         \$2.94         \$3.41         \$50           24H         \$38.37         \$0.00         \$38.37         \$24.80         \$11.15         \$2.94         \$3.41         \$50           320C         \$38.37         \$0.00         \$38.37         \$24.60         \$11.15         \$2.94         \$3.41         \$50           330C         \$38.37         \$0.00         \$38.37         \$24.60         \$11.15         \$2.94         \$3.41         \$50           3458         \$38.37         \$0.00         \$37.51         \$24.60         \$11.15         \$2.94         \$3.41         \$50           3458         \$38.3	Wheeled Dozers										
844 B+543         SQL 80         Image: SQL 80											
Best-G         Image: Second Seco											
Motor Graders         State											
120H         \$38.37         \$20.00         \$38.37         \$22.40         \$1.15         \$2.24         \$3.41         \$20           14GrH         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$50           16GrH         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$50           24M         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$50           312C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$50           32CC         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$50           33CC         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.44         \$3.41         \$50           33CC         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.44         \$3.41         \$50           345B         \$38.37         \$0.00         \$37.51         \$24.80         \$1.15         \$2.44         \$3.41         \$0						\$24.80					
140/H       \$38.37       \$20.00       \$38.37       \$24.80       \$51.15       \$2.24       \$3.41       \$50.00         24M       \$38.37       \$50.00       \$38.37       \$24.80       \$51.15       \$2.24       \$3.41       \$50.00         24M       \$38.37       \$50.00       \$38.37       \$24.80       \$51.15       \$2.24       \$3.41       \$50.00         312C       \$38.37       \$50.00       \$38.37       \$24.80       \$1.15       \$2.44       \$3.41       \$50.20         320C       \$38.37       \$50.00       \$38.37       \$24.80       \$1.15       \$2.44       \$3.41       \$50.20         320C       \$38.37       \$50.00       \$38.37       \$24.80       \$1.15       \$2.44       \$3.41       \$50.30         330C       \$38.37       \$50.00       \$38.37       \$24.80       \$1.15       \$2.44       \$3.41       \$50.30         345B       \$38.37       \$50.00       \$37.51       \$2.40       \$1.15       \$2.44       \$3.41       \$50.30         366EL       \$38.37       \$50.00       \$37.51       \$2.40       \$1.13       \$2.47       \$3.34       \$50.34         926C       \$37.51       \$50.00       \$37.51       \$2.400 <t< td=""><td></td><td>1</td><td>000</td><td>00.77</td><td>A00</td><td>004</td><td><b>.</b></td><td></td><td>A- ···</td><td></td><td></td></t<>		1	000	00.77	A00	004	<b>.</b>		A- ···		
160/H         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           Track Excavators           312C         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           320C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           320C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           320C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           330C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           365BL         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           358BL         \$38.37         \$0.00         \$33.37         \$24.80         \$1.13         \$2.87         \$3.34         \$0           637G         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           9246         \$37.51         \$24.80         \$										\$0.00 \$0.00	\$70 \$70
24M         Image         State         State         State           312C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0.00           320C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0.00           320C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0.00           330C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0.00           345B         \$33.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0.00           365BL         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0.00           537G         \$38.37         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0.00           924G         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0.00           924G         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0.00										\$0.00	\$70
Track Excavators           312C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           320C         \$38.37         \$20.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           320C         \$38.37         \$0.00         \$33.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           330C         \$38.37         \$0.00         \$33.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           346B         \$38.37         \$0.00         \$33.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           365BL         \$38.37         \$0.00         \$33.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           Strapers         \$30.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           637G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           924G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$		1	\$30.37	\$0.00	\$30.37		φ1.13	φ2.34	φ3.41	\$0.00	\$10
312C       \$38.37       \$0.00       \$38.37       \$24.80       \$1.15       \$2.24       \$3.41       \$0         320C       \$38.37       \$2.400       \$1.15       \$2.24       \$3.41       \$0         326C       \$38.37       \$2.400       \$1.15       \$2.24       \$3.41       \$0         330C       \$38.37       \$2.400       \$1.15       \$2.24       \$3.41       \$0         330C       \$38.37       \$2.400       \$1.15       \$2.24       \$3.41       \$0         346B       \$38.37       \$0.00       \$33.37       \$2.480       \$1.15       \$2.24       \$3.41       \$0         365BL       \$38.37       \$0.00       \$33.37       \$2.480       \$1.15       \$2.24       \$3.41       \$0         Scrapers       \$38.37       \$0.00       \$37.51       \$2.480       \$1.13       \$2.87       \$3.34       \$0         924G       \$37.51       \$0.00       \$37.51       \$2.480       \$1.13       \$2.87       \$3.34       \$0         926G       \$37.51       \$0.00       \$37.51       \$2.480       \$1.13       \$2.87       \$3.34       \$0         926G       \$38.37       \$0.00       \$37.51       \$2.4.80       \$1.1											
320C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.44         \$3.41         \$0           325C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.44         \$3.41         \$0           330C         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.44         \$3.41         \$0           345B         \$33.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.44         \$3.41         \$0           365BL         \$33.37         \$0.00         \$33.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           365BL         \$33.37         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           537G         \$33.37         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           9240         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           980G         \$33.37         \$0.00         \$33.37         \$24.80         \$1.15         \$2.41         \$0           980G         <			\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
326C       \$38.37       \$0.00       \$38.37       \$24.80       \$1.15       \$2.94       \$3.41       \$0         330C       \$38.37       \$0.00       \$38.37       \$24.80       \$1.15       \$2.94       \$3.41       \$0         345B       \$38.37       \$0.00       \$38.37       \$24.80       \$1.15       \$2.94       \$3.41       \$0         366BL       \$38.37       \$0.00       \$38.37       \$24.80       \$1.15       \$2.94       \$3.41       \$0         366BL       \$33.37       \$0.00       \$33.37       \$24.80       \$1.15       \$2.94       \$3.41       \$0         Strapers       \$37.51       \$0.00       \$37.51       \$24.80       \$1.13       \$2.87       \$3.34       \$0         924G       \$37.51       \$0.00       \$37.51       \$24.80       \$1.13       \$2.87       \$3.34       \$0         926G       \$37.51       \$0.00       \$37.51       \$24.80       \$1.13       \$2.87       \$3.34       \$0         926G       \$37.51       \$0.00       \$37.51       \$24.80       \$1.15       \$2.94       \$3.41       \$0         930C       \$38.37       \$0.00       \$38.37       \$24.80       \$1.15       \$2.94       <										\$0.00	\$70
345B         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$50           385BL         \$38.37         \$24.80         \$24.80         \$24.80         \$38.37         \$50.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$50           Scrapers         \$350.1         \$24.80         \$1.15         \$2.94         \$3.41         \$50           6370         \$38.37         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$50           0240         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$50           9246         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$50           9246         \$37.51         \$0.00         \$37.51         \$24.80         \$1.15         \$2.94         \$3.41         \$50           9806         \$38.37         \$0.00         \$33.75         \$24.80         \$1.15         \$2.94         \$3.41         \$50           9806         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         <										\$0.00	\$70
385BL         538.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$50           631G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.341         \$50           637G         \$38.37         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.341         \$50           924G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$50           928G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$50           950G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$50           96G         \$38.37         \$0.00         \$38.37         \$2.40         \$1.15         \$2.94         \$3.41         \$50           980G         \$38.33         \$0.00         \$38.37         \$2.40         \$1.15         \$2.94         \$3.41         \$50           990         \$38.37         \$0.00         \$38.37         \$2.40         \$1.15         \$2.94         \$3.41         \$50										\$0.00	\$70
336BL         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           Scrapers         Scrapers <t< td=""><td></td><td></td><td>\$38.37</td><td>\$0.00</td><td>\$38.37</td><td></td><td>\$1.15</td><td>\$2.94</td><td>\$3.41</td><td>\$0.00</td><td>\$70</td></t<>			\$38.37	\$0.00	\$38.37		\$1.15	\$2.94	\$3.41	\$0.00	\$70
Scrapers         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           637G         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$0           Wheeled Loaders           924G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           928G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           950G         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           966G         \$38.37         \$0.00         \$37.51         \$24.80         \$1.15         \$2.94         \$3.41         \$0           972G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           980G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           990           \$2.480         \$1.15         \$2.94         \$3.41         \$0           992G         \$38.37         \$0.00			<b>000.07</b>	<b>\$0.00</b>	000.07		<b></b>	<b>A</b> D 04	<b>^</b>	<b>0</b> 0.00	<b>A</b> 70
631G         \$37,51         \$0.00         \$37,51         \$24,80         \$1,13         \$2,87         \$3,34         \$50           637G         \$38,37         \$0.00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$50           Wheeled Loaders           924G         \$37,51         \$0.00         \$37,51         \$24,80         \$1,13         \$2,87         \$3,34         \$50           928G         \$37,51         \$0.00         \$37,51         \$24,80         \$1,13         \$2,87         \$3,34         \$50           950G         \$37,51         \$0.00         \$37,51         \$24,80         \$1,13         \$2,87         \$3,34         \$50           950G         \$33,57         \$24,80         \$1,15         \$2,24         \$3,341         \$50           972G         \$38,37         \$0.00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$50           980G         \$38,37         \$0.00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$50           990         \$38,37         \$0.00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$50			\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
637G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           Wheeled Loaders           924G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           926G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           966G         \$38.37         \$0.00         \$37.51         \$24.80         \$1.15         \$2.94         \$3.41         \$0           972G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           980G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           980G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           990         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           994D         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94 <td></td> <td></td> <td>007.54</td> <td><b>*</b>0.00</td> <td>007.54</td> <td>004.00</td> <td><b>.</b></td> <td><b>A</b>0.07</td> <td><b>^</b>~~~~</td> <td><b>6</b>0.00</td> <td>000</td>			007.54	<b>*</b> 0.00	007.54	004.00	<b>.</b>	<b>A</b> 0.07	<b>^</b> ~~~~	<b>6</b> 0.00	000
Wheeled Loaders         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           928G         \$37.51         \$20.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           950G         \$37.51         \$20.80         \$1.13         \$2.87         \$3.34         \$0           966G         \$38.37         \$0.00         \$37.51         \$24.80         \$1.15         \$2.94         \$3.41         \$0           972G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           980G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           990         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           992G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           992G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           992G         \$3.837		1		\$0.00		\$24.80		\$2.87	\$3.34	\$0.00 \$0.00	\$69. \$70.
924G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           928G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           950G         \$37.51         \$0.00         \$37.51         \$24.80         \$1.13         \$2.87         \$3.34         \$0           966G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           972G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           980G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           990           \$24.80         \$1.15         \$2.94         \$3.41         \$0           990           \$24.80         \$1.15         \$2.94         \$3.41         \$0           992G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           924G         \$38.37         \$0.00         \$			<i>\\</i> 00.01	<b>\$0.00</b>	<b>\$00.01</b>	¢2 1.00	¢1.10	φ2.01	φ0.11	<b>\$0.00</b>	
928G         \$37,51         \$24,80         \$1,13         \$2,87         \$3,34         \$0           950G         \$37,51         \$20,00         \$37,51         \$24,80         \$1,13         \$2,87         \$3,34         \$0           966G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           972G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           980G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           986G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,94         \$3,41         \$0           990         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,94         \$3,41         \$0           992G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,94         \$3,41         \$0           992G         \$38,37         \$20,00         \$24,80         \$1,15         \$2,94         \$3,41         \$0           926         \$38,37         \$20,00 <td< td=""><td></td><td>1</td><td>\$37.51</td><td>\$0.00</td><td>\$37.51</td><td>\$24.80</td><td>\$1.13</td><td>\$2.87</td><td>\$3.34</td><td>\$0.00</td><td>\$69</td></td<>		1	\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69
950G         \$37,51         \$20,00         \$37,51         \$24,80         \$1,13         \$2,27         \$3,34         \$0           966G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           972G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           980G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           980G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           990         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           992G         \$38,37         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           994D         \$38,7         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$3,41         \$0           923G         \$38,67         \$0,00         \$38,37         \$24,80         \$1,15         \$2,24         \$24,80         \$1,15         \$2,24										\$0.00	\$69
972G     \$38.37     \$0.00     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       980G     \$38.37     \$0.00     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       980G     \$38.37     \$0.00     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       990     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       990     \$38.37     \$0.00     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       992G     \$38.37     \$0.00     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       994D     \$38.37     \$0.00     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       994D     \$38.37     \$0.00     \$38.37     \$24.80     \$1.15     \$2.94     \$3.41     \$0       994D     \$38.37     \$0.00     \$24.80     \$1.15     \$2.94     \$3.41     \$0       904D     \$24.80     \$2.4.80     \$2.4.80     \$2.4.80     \$2.4.80     \$2.4.80       PC3000     \$24.80     \$24.80     \$2.4.80     \$2.4.80     \$2.4.80     \$2.4.80       PC6000     \$2.4.80     \$2.4.80     \$2.4.80     \$2.4.80     \$2.4										\$0.00	\$69
980G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$0           988G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.24         \$3.41         \$0           990         \$24.80         \$1.15         \$2.94         \$3.41         \$0           990         \$24.80         \$1.15         \$2.94         \$3.41         \$0           992G         \$3.837         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           994D         \$23.80         \$1.15         \$2.94         \$3.41         \$0         \$0         \$2.250         \$1.15         \$2.94         \$3.41         \$0           12350         \$24.80         \$1.15         \$2.94         \$2.480         \$1.15         \$2.94         \$2.480         \$1.15         \$2.94         \$2.480         \$1.15         \$2.94         \$2.480         \$1.15         \$2.94         \$2.480         \$1.15         \$2.94         \$2.480         \$1.15         \$2.94         \$2.480         \$2.480         \$2.480         \$2.480         \$2.480         \$2.480         \$2.480         \$2.480         \$2.480         \$2.480         \$2										\$0.00	\$70
988G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           990         \$24.80         \$1.15         \$2.94         \$3.41         \$0           990         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           992G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           994D         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           12350         \$24.80         \$1.15         \$2.94         \$3.41         \$0           \$2000         \$24.80         \$24.80         \$1.15         \$2.94         \$3.41         \$0           PC2000         \$24.80         \$24.80         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$2.94         \$1.15         \$1.15										\$0.00	\$70
990         1         24.80         4         4           992G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.34         \$3.41         \$0           994D         \$24.80         \$1.15         \$2.34         \$1.15         \$2.34         \$3.41         \$0           12350         \$0         \$24.80         \$1.15         \$2.34         \$1.15 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$0.00</td> <td>\$70</td>										\$0.00	\$70
992G         \$38.37         \$0.00         \$38.37         \$24.80         \$1.15         \$2.94         \$3.41         \$0           994D         \$24.80         \$24.80         \$24.80         \$1.15         \$2.94         \$3.41         \$0           994D         \$24.80         \$24.80         \$24.80         \$1.15         \$2.94         \$3.41         \$0           Shovels           PC2000         \$24.80         \$24.80         \$1.15         \$2.94         \$1.15			\$38.37	\$0.00	\$38.37		\$1.15	\$2.94	\$3.41	\$0.00	\$70
994D         \$24.80            L2350         \$24.80         \$24.80           PC2000         \$24.80         \$24.80           PC3000         \$24.80         \$24.80           PC3000         \$24.80         \$24.80           PC3000         \$24.80         \$24.80           PC4000         \$24.80         \$24.80           PC5000         \$24.80         \$24.80           PC6000         \$24.80         \$24.80           PC6000         \$24.80         \$24.80           PC6000         \$24.80         \$24.80           PC6000         \$24.80         \$24.80           PC4000         \$24.80         \$24.80           PC6000         \$24.80         \$24.80           H160 (fits 325)         \$24.80         \$24.80           H-180 (fits 325)         \$24.80         \$24.80           PUBOILION Shears         \$340 (fits 320.3245)         \$356 (fits 330.345)			\$38.37	\$0.00	\$38.37		\$1.15	\$2.94	\$3.41	\$0.00	\$70
L2350         \$24.80         \$24.80           PC2000         \$24.80         \$24.80           PC3000         \$24.80         \$24.80           PC4000         \$24.80         \$24.80           PC5500         \$24.80         \$24.80           PC6300         \$24.80         \$24.80           PC4001         \$24.80         \$24.80           PC6500         \$24.80         \$24.80           PC8000         \$24.80         \$24.80           Hydraulic Hammers         \$24.80         \$24.80           H-120 (fits 325)         \$24.80         \$24.80           Demolition Shears         \$24.80         \$24.80           \$240 (fits 322/325/30)         \$25.80 (fits 30.45)         \$25.80 (fits 30.45)			400.07	φ0.00	400.07		ψ1.15	ψ2.34	ψ0.41	ψ0.00	
PC2000         \$24.80         PC3000           PC3000         \$24.80         PC3000           PC4000         \$24.80         PC3000           PC5500         \$24.80         PC3000           PC8000         \$24.80         PC3000           PC4000         \$24.80         PC3000           PUtraulic Hammers         PH10 (fits 325)           H+120 (fits 325)         PDemolition Shears           S340 (fits 3230245/330)         S356 (fits 330745)											
PC3000         \$24.80         \$24.80           PC4000         \$24.80            PC5000         \$24.80            PC6000         \$24.80            PC6000         \$24.80            PC8000         \$24.80            PC8000         \$24.80            PC8000         \$24.80            PC8000         \$24.80            PUdraulic Hammers             H-120 (fits 325)             H-130 (fits 356/385)             Demolition Shears             S340 (fits 322/326/330)	Shovels										
PC4000         \$24.80         \$24.80           PC5000         \$24.80         \$24.80           Hydraulic Hammers         \$24.80         \$24.80           H-120 (fits 325)         H-140 (fits 345)         \$           H-180 (fits 365/385)         \$         \$	PC2000					\$24.80					
PC6500         \$24.80         scale         <											
PC8000     \$24.80       Hydraulic Hammers       H-120 (fits 325)       H-160 (fits 345)       H-180 (fits 365/385)       Demolition Shears       S340 (fits 322/325/330)       S365 (fits 330/345)											
Hydraulic Hammers           H-120 (fits 325)           H-180 (fits 345)           H-180 (fits 365/385)           Demolition Shears           S340 (fits 322/325/330)           S356 (fits 330/345)											
H-120 (fits 325) H-160 (fits 345) H-180 (fits 365/385) Demolition Shears S340 (fits 322/325/330) S365 (fits 330/345)						\$24.80					
H-160 (fits 345) H-180 (fits 365/385) Demolition Shears S340 (fits 322/325/330) S365 (fits 330/345)		1									
H-180 (fits 365/385)  Demolition Shears  S340 (fits 320/235/330)  S365 (fits 330/345)		-									
Demolition Shears           \$340 (fits 322/325/330)           \$365 (fits 330/345)		1									
\$340 (fits 322/325/330) \$365 (fits 330/345)									_		
S365 (fits 330/345)		1									
		1									
		1									
Demolition Grapples	Demolition Grapples										
G315 (fits 322/325)											
G320 (fits 325/330) G330 (fits 345/365)	G320 (fits 325/330)										

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

# ZONE ADJUSTMENTS

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	50-150 miles	\$0.00	
Truck Drivers	50-150 miles	\$0.00	
Laborers	50-150 miles	\$0.00	
INDIRECT COSTS			
Unemployment (%)	3.00%		
Retirement/SS/Medicare (%)	7.65%		
Workman's Compensation (%)	8.90%		
Other Indirects			
State Payroll Tax (13),(15),(17),			
		1	
Total Other Indirects	0.00%		

Other Equipment										
420D 4WD Backhoe		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.
428D 4WD Backhoe		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
CS533E Vibratory Roller		\$36.92	\$0.00	\$36.92	\$24.80	\$1.11	\$2.82	\$3.29	\$0.00	\$68
CS633E Vibratory Roller					\$24.80					
CP533E Sheepsfoot Compacto					\$24.80					
CP633E Sheepsfoot Compacto					\$24.80					
Light Truck - 1.5 Ton					\$24.80					
Supervisor's Truck					\$24.80					
Flatbed Truck					\$24.80					
Air Compressor + tools		\$35.46	\$0.00	\$35.46	\$24.80	\$1.06	\$2.71	\$3.16	\$0.00	\$6
Welding Equipment		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$7
Heavy Duty Drill Rig		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$6
Pump (plugging) Drill Rig		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$6
Concrete Pump					\$24.80					
Gas Engine Vibrator		\$36.92	\$0.00	\$36.92	\$24.80	\$1.11	\$2.82	\$3.29	\$0.00	\$6
Generator 5KW					\$24.80					
HDEP Welder (pipe or liner)					\$24.80					
5 Ton Crane		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$7
									00.00	¢7
		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	<b>پ</b> ر
20 Ton Crane 50 Ton Crane 120 Ton Crane TES:		\$38.37 \$38.37	\$0.00 \$0.00	\$38.37 \$38.37	\$24.80 \$24.80 \$24.80	\$1.15 \$1.15	\$2.94 \$2.94	\$3.41 \$3.41	\$0.00	\$7 \$7
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source:	D-B NV20190002 7/5/2019	\$38.37			\$24.80					
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source:		\$38.37			\$24.80					
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source:	D-B NV20190002 7/5/2019	\$38.37			\$24.80					
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source: (3) Zone Basis:	D-B NV20190002 7/5/2019 From Washoe Co. Courthou	\$38.37		\$38.37	\$24.80					\$7
20 Ton Crane 50 Ton Crane 120 Ton Crane VTES: (1) Equipment Type: (2) Equipment Operator Source (3) Zone Basis: ************************************	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds	\$38.37 It, LeTourneau se \$31.50	\$0.00 \$0.00	\$38.37 \$31.50	\$24.80 \$24.80 \$24.80 \$4.16	\$1.15	\$2.94	\$3.41	\$0.00	
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source: (3) Zone Basis: Uck Drivers (\$/hr) (4) 725	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 It, LeTourneau	\$0.00	\$38.37	\$24.80 \$24.80	\$1.15	\$2.94	\$3.41	\$0.00 \$0.00	\$7 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source: (3) Zone Basis: UCK Drivers (\$/hr) (4) 725 730	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 it, LeTourneau se \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane (1) Equipment Type: (2) Equipment Operator Source: (3) Zone Basis: uck Drivers (\$/hr) (4) 725 730 735	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 it, LeTourneau se \$31.50 \$31.50	\$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source: (3) Zone Basis: UCk Drivers (\$/hr) (4) 725 730 735 740	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 it, LeTourneau se \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane (1) Equipment Type: (2) Equipment Operator Source (3) Zone Basis: uck Drivers (\$/hr) (4) 725 730 735 740 769D	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 it, LeTourneau se \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source: (3) Zone Basis: UCk Drivers (\$/hr) (4) 725 735 740 740 773E 777D	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 it, LeTourneau se \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Sources (3) Zone Basis: UCK Drivers (\$/hr) (4) 725 730 735 740 769D 773E	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 it, LeTourneau se \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane <b>TES:</b> (1) Equipment Type: (2) Equipment Operator Source: (3) Zone Basis: <b>Uck Drivers (\$/hr) (4)</b> 725 730 735 740 769D 773E 777D 785C 793C	D-B NV20190002 7/5/2019 From Washoe Co. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds	\$38.37 it, LeTourneau se \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Type: (2) Equipment Operator Source (3) Zone Basis: uck Drivers (\$/hr) (4) 725 730 735 740 799D 773E 777D 785C	D-B NV20190002 7/52/19 From Washoe Co. Courthout ruck Driver > 25 yds - ruck Driver > 60 yds -	\$38.37 it, LeTourneau se \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane TES: (1) Equipment Operator Sources (2) Equipment Operator Sources (3) Zone Basis: Uck Drivers (\$/hr) (4) 725 730 735 740 769D 773E 777D 785C 797B 613E (5,000 gal) Water Wagor	D-B NV20190002 7/52019 From Washoe Ce. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 60 yds ruck Driver > 60 yds ter Truck > 2,500 gal	\$38.37 II, LeTourneau se \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane 120 Ton Crane (1) Equipment Type: (2) Equipment Operator Source. (3) Zone Barrier, (3) Zone	D-B NV20190002 7/52019 From Washoe Ce. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 60 yds ruck Driver > 60 yds ter Truck > 2,500 gal	\$38.37 ht.LeTourneau \$8 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4
20 Ton Crane 50 Ton Crane 120 Ton Crane 120 Ton Crane (1) Equipment Type: (2) Equipment Operator Source (3) Zone Basis: <b>Uck Drivers (\$/hr) (4)</b> 725 730 735 740 769D 773E 777D 785C 793C 797B 787C 797B	D-B NV20190002 7/52019 From Washoe Ce. Courthou ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 25 yds ruck Driver > 60 yds ruck Driver > 60 yds ter Truck > 2,500 gal	\$38.37 ht.LeTourneau \$8 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$38.37 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50 \$31.50	\$24.80 \$24.80 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16 \$4.16	\$1.15 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95 \$0.95	\$2.94 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41 \$2.41	\$3.41 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80 \$2.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7

(4) Truck Driver Source: D-B SUNV2014-014 9/8/2016 (5) Zone Basis: From Washoe Co. Courthouse

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

ZONE ADJUSTIMENTS		
Cost Basis/Project Region	Northern Nevada	Churchill, Douglas, Elko, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White Pine Counties
Power Equipment Operators	50-150 miles	\$0.00
Truck Drivers	50-150 miles	\$0.00
Laborers	50-150 miles	\$0.00
INDIRECT COSTS		
Unemployment (%)	3.00%	
Retirement/SS/Medicare (%)	7.65%	1
Workman's Compensation (%)	8.90%	
Other Indirects		
State Payroll Tax (13),(15),(17),		
		1
		1
Total Other Indirects	0.00%	1

HOURLY LABOR RATE	TABLE									
Laborers (\$/hr) (6,7)										
General Laborer	Group 1	\$25.45	\$0.00	\$25.45	\$10.56	\$0.76	\$1.95	\$2.27	\$0.00	\$40.99
Skilled Laborer	Group 4	\$25.95	\$0.00	\$25.95	\$10.56	\$0.78	\$1.99	\$2.31	\$0.00	\$41.58
Driller's Helper	Group 3	\$25.70	\$0.00	\$25.70	\$10.56	\$0.77	\$1.97	\$2.29	\$0.00	\$41.28
Rodmen (reinforcing concrete)	Group 1	\$25,45	\$0.00	\$25.45	\$10.56	\$0.76	\$1.95	\$2.27	\$0.00	\$40.99
Cement finisher	Group 3	\$25.70	\$0.00	\$25.70	\$10.56	\$0.77	\$1.97	\$2.29	\$0.00	\$41.28
Carpenter		\$38.73	\$0.00	\$38.73	\$14.29	\$1.16	\$2.96	\$3.45	\$0.00	\$60.59
NOTES:										
(6) Laborer Source:	D-B SUNV2011-005 10/1/	/2010								
(7) Carpenter Source:	D-B Projected from South	ern Nevada								
(8) Zone Basis:	From Washoe Co. Courth	ouse								
Project Management an			(9)							
Project Manager		\$74.81	,	\$74.81	\$10.56	\$2.24	\$5.72	\$6.66	\$0.00	\$100.00
Foreman		\$69.19		\$69.19	\$10.56	\$2.08	\$5.29	\$6.16	\$0.00	\$93.27
Field Geologist/Engineer		\$132.85		\$132.85	\$10.56	\$3.99	\$10.16	\$11.82	\$0.00	\$169.38
Field Tech/Sampler		\$108.45		\$108.45	\$10.56	\$3.25	\$8.30	\$9.65	\$0.00	\$140.21
Range Scientist		\$121.10		\$121.10	\$10.56	\$3.63	\$9.26	\$10.78	\$0.00	\$155.34
Senior Planning Engineer		<i><b>Q</b>121110</i>		¢121110	\$10.56	<b>\$0.00</b>	<b>\$0.20</b>	¢10.10	<b>\$0.00</b>	\$100.01
Project Engineer					\$10.56					
Mechanic/Fitter					\$10.56					
Weenanie/Titter					\$10.56					
					\$10.56					
					\$10.56					
					\$10.56					
					φ10.00					
NOTES:			3						1	
(9) Project Manager:	R.S.Means 2019 Q2 (01 3	31 1320 0200 Total In	ncl.O&P-10%) Adjus	sted for Elko, NV						
(9) Foreman Source:	R.S.Means 2019 Q2 (01 3									
(9) Techical Labor Source:	SRK Consulting 2019 (Tot		, , ,							
(9) Techical Labor Source: Other Labor Source:	,		,							
Other Labor Source:										
+Additional User Markups										
(These are added by the user to the										
base rate to account for site-specific										
conditions or corporate requirements)										
	•									

#### **PROCESS FLUID STABILIZATION - Phase III**

#### LABOR REQUIREMENTS

SITE Phase III Duration (months)

									Г	Totals
Site Workers	# per shift	hrs. per shift	shifts per day	days per wk.	hrs. per wk.	hrs. per mo.	total hrs.	rate per hr.*	1 -	
General Laborers	2	12	1	5	120	520.00	1,040	\$43.35	1 C	\$45,084
Security Personnel	0	12	0	7	0	0.00	0	\$43.05	1 C	\$0
Electrician/Welder	1	8	1	2	16	69.33	69	\$71.60	1 C	\$4,964
On-Site Supervisor	0	8	0	2	0	0.00	0	\$82.72	1 C	\$0
	* Frpm PFCE IF	M tab, Labor Req								

TOTAL LABOR
-------------

#### EQUIPMENT REQUIREMENTS

			rental rate	operating hrs	operating cost	total cost
Support Equipment Rentals	# of each	# of mo.	per mo.	per mo*	per hr.	per mo.
Backhoe (CAT 420D)	1	60	\$2,650	35.2	\$20.51	\$3,372
Generator (5 KW)	0	0	\$712	35.2	\$2.63	\$804
Pickup Truck	2	100	\$2,592	35.2	\$6.18	\$2,809
Motor Grader (CAT 14G) - if required for snow removal	1	60	\$13,500	35.2	\$42.01	\$14,979
Welding Equipment	1	0	\$2,039	n/a	n/a	\$2,039
HDPE Welder (pipe or liner)	1	0	\$8,628	n/a	n/a	\$8,628
Office Trailer	1	0	\$213	n/a	n/a	\$213
Portable Toilet	1	0	\$216	n/a	n/a	\$216

\$202,316
\$0
\$561,857
\$898,732
\$0
\$0
\$0
0

\$45,084 \$0 \$4,964 \$0

\$50,048

\* Percent of time support equipment assumed operating during a 176 hour month

#### TOTAL EQUIPMENT

#### MATERIAL REQUIREMENTS

#### Sampling and Lab Costs

Type NDEP Profile I Water NDEP Profile II Water

#### Subtotal Sampling and Lab Costs

Misc. Costs (phones, shipping, supplies, etc. @ \$1,000 per month)

TOTAL MATERIALS

	[	Labor	Equipment	Materials
Total Shared Costs Phase III	]	\$50,048	\$1,662,906	\$8,220
ET Cell Conversion Costs				
Calculated from BMRR EZ E-Cell Calc Sheet		\$48,281	\$122,671	\$9,187
		\$0	\$0	\$0
				<b>.</b> .
		\$0	\$0	\$0

**Total Non-Shared Costs Phase III** 

TOTAL COSTS

	20%
--	-----

\$1	,662,906

# samples	cost \$/ea	total cost
20	\$411.00	\$8,220.00
0	\$461.00	\$0.00

Labor	Equipment	Materials
\$50,048	\$1,662,906	\$8,220

Total	
\$1,721,174	

\$8,220

\$8,220

\$0

\$48,281	\$122,671	\$9,187	\$180,139
\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0
\$0	\$0	\$9,187	\$9,187
1			
\$50,048	\$1,662,906	\$17,407	\$1,730,361

0

2	12	1	5	120	520.00	1,040	\$43.35
0	12	0	7	0	0.00	0	\$43.05
1	8	1	2	16	69.33	69	\$71.60
0	8	0	2	0	0.00	0	\$82.72
rpm PFCE IFI	VI tab, Labor Req						

#### Interim Fluid Management (IFM) Process Fluid Stabilization (PFS)

#### LABOR COSTS (2019 Cost Data)

#### Site Workers (SRCE & Davis-Bacon Wage Rates) Laborer ( Common or General, landscape, )

Security Personnel (Electrician, ) Electrician/Welder (, ) On-Site Supervisor (SRCE-from R.S. Means)

#### CEM Contractor (Consulting Rates) Program Director

Senior Engineer/Geologist Field Technician Administrative

Full per diem rate Partial per diem rate

Mileage rate

#### EQUIPMENT RENTAL COSTS

#### SRCE Rates (2019 Cost Data) Backhoe (CAT 420D) Generator (5 KW) Pickup Truck Motor Grader (CAT 14G) Welding Equipment HDPE Welder (pipe or liner) Office Trailer Portable Toilet

#### MISC. COSTS

#### Pumps

Model Number B.E.P. Flow Rate (gpm) B.E.P. Head (feet) RPM Monthly Rental Rate - 24/7 operation (1) Monthly Maintenance Rate - 24/7 operation (2) Environmental Fee (3) Total Monthly Rental Rate

Diesel Fuel

Electrical Power Cost

#### Evaporation Equipment

EcoMister Standard Dual Pack Evaporator (2) Pumps for Elevation Head (HH-80c) (3)

NDEP Profile I Water analysis NDEP Profile II Water analysis

Rain for Rent June 2019 for 24/7 operation
 Slimline Manufacturing July 2019 Quote.

(3) Rain for Rent June 2019

Northern Nevada	Southern Nevada
per hour	per hour
\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00







rental	operating
cost	cost
per month	per hour
\$2,650	\$20.51
\$712	\$2.63
\$2,592	\$6.18
\$13,500	\$42.01
\$2,039	n/a
\$8,628	n/a
\$213	n/a
\$216	n/a

High Head									
HH-225c		HH-150		HH-125c		HH-80c			
4,000		2,090		620		410			
260	260			340	320				
1,900		2,000		2,000 2,200		2,200			
\$ 4,484	\$	3,364	\$	2,906	\$	1,566			
\$ 4,484	\$	3,364	\$	2,906	\$	1,566			









Union wages assumed.         Northern Nevada         Category       Code       Group       Description       Zone Adjustment         Labor       DB LAB00169-034       10/1/2017       Elko Building       Group 3       Mason Tender Cement/Concrete       Image: Common or General       Image: Comm													1
Northern Nevada         Base +         Add Add1           Laborer         8ase +         Add Add1           Laborer         \$25.70         \$10.56         \$36.26         \$30.00         \$0.00         \$0.00         \$36.26           Security Personnel         \$25.70         \$10.56         \$36.26         \$30.00         \$0.00         \$0.00         \$50.00         \$0.00         \$50.00         \$0.00         \$50.00         \$								-					
Base         Fringes         FICA         UE         WC         Total           Laborer         \$25.70         \$10.56         \$36.26         \$30.00         \$0.00         \$30.00         \$30.00         \$30.00         \$36.26           Security Personnel         \$25.45         \$10.56         \$36.01         \$30.00         \$0.00         \$0.00         \$50.00         \$0.00         \$50.00         \$30.00         \$50.00							7.65%	3.00%	8.90%				
Base         Fringes         FICA         UE         WC         Total           Laborer         \$25.70         \$10.56         \$36.26         \$30.00         \$0.00         \$30.00         \$30.00         \$30.00         \$36.26           Security Personnel         \$25.45         \$10.56         \$36.01         \$30.00         \$0.00         \$0.00         \$50.00         \$0.00         \$50.00         \$30.00         \$50.00													
Laborer         \$25.70         \$10.56         \$36.26         \$36.26         \$0.00         \$0.00         \$30.00         \$36.26           Security Personnel         \$25.45         \$10.56         \$36.01         \$36.01         \$0.00         \$0.00         \$36.01           Electrician/Welder         \$40.50         \$19.39         \$59.89         \$0.00         \$0.00         \$0.00         \$50.80           On-Site Supervisor (SRCE-from R.S. Means)         \$69.19         \$0.00         \$69.19         \$0.00         \$69.19         \$0.00         \$0.00         \$0.00         \$50.80           Southern Nevada         Base +         Add Add'I	Northern Nevad	la						Base +	Add Add'l				
Security Personnel         \$25.45         \$10.56         \$36.01         \$30.00         \$0.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$59.89         \$0.00         \$0.00         \$0.00         \$59.89         \$0.00         \$0.00         \$0.00         \$59.89         \$0.00         \$0.00         \$0.00         \$59.89         \$0.00         \$0.00         \$0.00         \$59.89         \$0.00         \$0.00         \$0.00         \$59.89         \$0.00         \$0.00         \$0.00         \$50.00         \$59.89         \$0.00         \$0.00         \$0.00         \$50.00         \$50.00         \$50.10         \$50.10         \$50.10         \$50.10         \$50.00         \$50.00         \$53.10         \$50.00         \$0.00         \$50.00         \$53.10         \$50.00         \$0.00         \$50.00         \$53.10         \$50.00         \$0.00         \$50.00						Base	Fringes			FICA	UE	WC	Total
Electrician/Welder         \$40.50         \$19.39         \$59.89         \$50.00         \$0.00         \$0.00         \$50.89           On-Site Supervisor (SRCE-from R.S. Means)         \$69.19         \$0.00         \$69.19         \$0.00         \$59.89         \$0.00         \$0.00         \$50.00         \$50.98           On-Site Supervisor (SRCE-from R.S. Means)         \$69.19         \$0.00         \$53.10         \$0.00         \$0.00         \$50.00         \$50.19           Southern Nevada         Base         Fringes         Add Add1         FICA         UE         WC         Total           Laborer         \$26.31         \$26.79         \$53.10         \$53.10         \$0.00         \$0.00         \$50.00         \$54.44           Electrician/Welder         \$52.03         \$72.13         \$74.63         \$0.00         \$0.00         \$0.00         \$50.00         \$53.50         \$0.00         \$0.00         \$8	Laborer					\$25.70	\$10.56	\$36.26	\$36.26	\$0.00	\$0.00	\$0.00	\$36.26
On-Site Supervisor (SRCE-from R.S. Means)         \$69.19         \$0.00         \$69.19         \$0.00         \$0.00         \$0.00         \$69.19           Southern Nevada         Base         Fringes         Add Add'l         FICA         UE         WC         Total           Laborer         \$26.31         \$26.79         \$53.10         \$53.10         \$0.00         \$0.00         \$0.00         \$53.10           Security Personnel         \$27.65         \$26.79         \$54.44         \$54.44         \$0.00         \$0.00         \$0.00         \$53.10           On-Site Supervisor (SRCE-from R.S. Means)         \$352.00         \$20.13         \$72.13         \$74.63         \$0.00         \$0.00         \$0.00         \$85.50           On-Site Supervisor (SRCE-from R.S. Means)         \$85.50         \$0.00         \$85.50         \$0.00         \$86.50         \$0.00         \$0.00         \$85.50           Notes:         Union wages assumed.         Northern Nevada         Zone Adjustment         Zone Adjustment           Labor         DB LABO0169-034         10/1/2017         Elko Building         Group         Description         Zone Adjustment           Labor         DB LABO0169-034         10/1/2017         Elko Building         Electrician         Sone Adjustment <td>Security Personn</td> <td>nel</td> <td></td> <td></td> <td></td> <td>\$25.45</td> <td>\$10.56</td> <td>\$36.01</td> <td>\$36.01</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$36.01</td>	Security Personn	nel				\$25.45	\$10.56	\$36.01	\$36.01	\$0.00	\$0.00	\$0.00	\$36.01
Southern Nevada         Base         Firch         UE         WC         Total           Laborer         \$26.31         \$26.79         \$53.10         \$53.10         \$0.00         \$0.00         \$53.10           Security Personnel         \$27.65         \$26.79         \$54.44         \$54.44         \$0.00         \$0.00         \$53.10           Security Personnel         \$27.65         \$26.79         \$54.44         \$54.44         \$0.00         \$0.00         \$54.44           Electrician/Welder         \$52.00         \$20.13         \$72.13         \$74.63         \$0.00         \$0.00         \$54.44           Inion wages assumed.         \$355.50         \$0.00         \$85.50         \$0.00         \$85.50         \$0.00         \$0.00         \$85.50           Northern Nevada         Category         Code         Group         Description         Zone Adjustment           Labor         DB LABO0169-034         10/1/2017         Elko Building         Group 1         Common or General         Image: Code         Image: C	Electrician/Welde	er				\$40.50	\$19.39	\$59.89	\$59.89	\$0.00	\$0.00	\$0.00	\$59.89
Southern Nevada         Base         Fringes         FilCA         UE         WC         Total           Laborer         \$26.31         \$26.79         \$53.10         \$53.10         \$0.00         \$0.00         \$0.00         \$53.10           Security Personnel         \$27.65         \$26.79         \$54.44         \$54.44         \$0.00         \$0.00         \$0.00         \$53.10           Security Personnel         \$52.00         \$20.13         \$72.13         \$74.63         \$0.00         \$0.00         \$0.00         \$50.00         \$55.50           On-Site Supervisor (SRCE-from R.S. Means)         \$85.50         \$0.00         \$85.50         \$0.00         \$85.50         \$0.00         \$85.50           Notes:         Union wages assumed.         Northern Nevada         Zategory         Code         Group         Description         Zone Adjustment           Labor         DB LAB00169-034         10/1/2017         Elko Building         Group 3         Mason Tender Cement/Concrete         Security Personal         DB LAB00169-034         10/1/2017         Elko Building         Electrician         Image: Context and	On-Site Supervis	sor (SRCE-	from R.S. N	leans)		\$69.19	\$0.00	\$69.19	\$69.19	\$0.00	\$0.00	\$0.00	\$69.19
Southern Nevada         Base         Fringes         FilCA         UE         WC         Total           Laborer         \$26.31         \$26.79         \$53.10         \$53.10         \$0.00         \$0.00         \$0.00         \$53.10           Security Personnel         \$27.65         \$26.79         \$54.44         \$54.44         \$0.00         \$0.00         \$0.00         \$53.10           Security Personnel         \$52.00         \$20.13         \$72.13         \$74.63         \$0.00         \$0.00         \$0.00         \$50.00         \$55.50           On-Site Supervisor (SRCE-from R.S. Means)         \$85.50         \$0.00         \$85.50         \$0.00         \$85.50         \$0.00         \$85.50           Notes:         Union wages assumed.         Northern Nevada         Zategory         Code         Group         Description         Zone Adjustment           Labor         DB LAB00169-034         10/1/2017         Elko Building         Group 3         Mason Tender Cement/Concrete         Security Personal         DB LAB00169-034         10/1/2017         Elko Building         Electrician         Image: Context and				,									
Laborer         \$26.31         \$26.79         \$53.10         \$0.00         \$0.00         \$0.00         \$53.10           Security Personnel         \$27.65         \$26.79         \$54.44         \$54.44         \$0.00         \$0.00         \$0.00         \$54.44           Electrician/Welder         \$52.00         \$20.13         \$72.13         \$74.63         \$0.00         \$0.00         \$0.00         \$54.44           Electrician/Welder         \$55.00         \$20.01         \$74.63         \$0.00         \$0.00         \$0.00         \$54.44           Category         Code         \$55.00         \$0.00         \$85.50         \$0.00         \$85.50         \$0.00         \$0.00         \$85.50           Nothers:         Union wages assumed.         \$0.00         \$85.50         \$0.00         \$0.00         \$0.00         \$85.50           Notes:         Union wages assumed.         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$85.50           Security Personal         DB LABO0169-034         10/1/2017         Elko Building         Group 1         Common or General         \$0-00         \$0-00         \$0-00         \$0-00         \$0-00         \$0-00         \$0-00         \$0-00								Base +	Add Add'l				
Security Personnel         \$27.65         \$26.79         \$54.44         \$0.00         \$0.00         \$0.00         \$54.44           Electrician/Welder         \$52.00         \$20.13         \$72.13         \$74.63         \$0.00         \$0.00         \$74.63           On-Site Supervisor (SRCE-from R.S. Means)         \$85.50         \$0.00         \$85.50         \$0.00         \$0.00         \$0.00         \$85.50           Notes:         Union wages assumed.          Socore         Group         Description         Zone Adjustment           Labor         DB LAB00169-034         10/1/2017         Elko Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB LAB00169-034         10/1/2017         Elko Building         Electrician	Southern Nevac	la				Base	Fringes			FICA	UE	WC	Total
Electrician/Welder         \$52.00         \$20.13         \$74.63         \$0.00         \$0.00         \$74.63           On-Site Supervisor (SRCE-from R.S. Means)         \$85.50         \$0.00         \$85.50         \$0.00         \$0.00         \$0.00         \$74.63           On-Site Supervisor (SRCE-from R.S. Means)         \$85.50         \$0.00         \$85.50         \$0.00         \$0.00         \$0.00         \$85.50           Notes:         Union wages assumed.         Northern Nevada         Zone Adjustment         Zone Adjustment           Labor         DB LAB00169-034         10/1/2017         Elko Building         Group 3         Mason Tender Cement/Concrete         Sone Adjustment           Security Personal         DB LAB00169-034         10/1/2017         Elko Building         Group 1         Common or General         Image: Common or General<	Laborer					\$26.31	\$26.79	\$53.10	\$53.10	\$0.00	\$0.00	\$0.00	\$53.10
On-Site Supervisor (SRCE-from R.S. Means) \$85.50 \$0.00 \$85.50 \$80.00 \$0.00 \$0.00 \$85.50 Notes: Union wages assumed. Northern Nevada Category Code Group Description Zone Adjustment Labor DB LABO0169-034 10/1/2017 - Elko Building Group 3 Mason Tender Cement/Concrete Security Personal DB LABO0169-034 10/1/2017 - Elko Building Group 1 Common or General Electrician Electrician/Welder DB ELEC0401-010 7/1/2019 - Elko Building Electrician Common or General Concrete Southern Nevada Category Code Code Common or General Common or General Common or General Concrete Common or General Concrete Southern Nevada Category Code Code Code Common or General Common or General Concrete Conc	Security Personn	nel				\$27.65	\$26.79	\$54.44	\$54.44	\$0.00	\$0.00	\$0.00	\$54.44
Notes:       Union wages assumed.         Northern Nevada       Category       Code       Group       Description       Zone Adjustment         Labor       DB LABO0169-034       10/1/2017       Elko Building       Group 3       Mason Tender Cement/Concrete         Security Personal       DB LABO0169-034       10/1/2017       Elko Building       Group 1       Common or General         Electrician/Welder       DB ELEC0401-010       7/1/2019       Elko Building       Electrician	Electrician/Welde	er				\$52.00	\$20.13	\$72.13	\$74.63	\$0.00	\$0.00	\$0.00	\$74.63
Union wages assumed.         Northern Nevada         Category       Code       Group       Description       Zone Adjustment         Labor       DB LABO0169-034       10/1/2017       Elko Building       Group 3       Mason Tender Cement/Concrete       Image: Common or General       Image: Comm	On-Site Supervis	sor (SRCE-	from R.S. N	leans)		\$85.50	\$0.00	\$85.50	\$85.50	\$0.00	\$0.00	\$0.00	\$85.50
Union wages assumed.         Northern Nevada         Category       Code       Group       Description       Zone Adjustment         Labor       DB LABO0169-034       10/1/2017       Elko Building       Group 3       Mason Tender Cement/Concrete       Image: Common or General       Image: Comm													
Northern Nevada         Group         Description         Zone Adjustment           Labor         DB LAB00169-034         10/1/2017         Elko Building         Group 3         Mason Tender Cement/Concrete         Image: Common or General         Image: Common or Gene	Notes:												
Category         Code         Group         Description         Zone Adjustment           Labor         DB LAB00169-034         10/1/2017         Elko Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB LAB00169-034         10/1/2017         Elko Building         Group 1         Common or General         Image: Comm	Union wages ass	sumed.											
Labor         DB LABO0169-034         10/1/2017         Elko Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB LABO0169-034         10/1/2017         Elko Building         Group 1         Common or General         Image: Common or General	Northern Nevad	la											
Security Personal         DB LAB00169-034         10/1/2017         Elko Building         Group 1         Common or General           Electrician/Welder         DB ELEC0401-010         7/1/2019         Elko Building         Electrician           On-site Supervisor         RS Means 2019 Q2 (01 31 1320 0260 Total Incl. O&P-10%) adjusted for Elko, NV (898)         Southern Nevada           Category         Code         Group         Description         Zone Adjustment           Labor         DB LAB00872-015         7/1/2018         - Clark Building         Group 1         Common or General           Security Personal         DB LAB00872-015         7/1/2018         - Clark Building         Group 1         Common or General/Concrete           Electrician/Welder         DB ELEC0357-002         10/1/2017         - Clark Heavy         Electrician         \$ 2.5         Zones 2 & 3	Category		Code					Group	Description		Zo	ne Adjustme	nt
Electrician/Welder         DB ELEC0401-010         7/1/2019         Elko Building         Electrician           On-site Supervisor         RS Means 2019 Q2 (01 31 1320 0260 Total Incl. O&P-10%) adjusted for Elko, NV (898)         Southern Nevada           Southern Nevada         Category         Code         Group         Description         Zone Adjustment           Labor         DB LABO0872-015         7/1/2018         - Clark Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB ELEC0357-002         10/1/2017         - Clark Heavy         Electrician         \$ 2.5 Zones 2 & 3	Labor	DB	LABO0169-	034	10/1/2017	- Elko Buildii	ng	Group 3	Mason Tend	er Cement/C	oncrete		
On-site Supervisor       RS Means 2019 Q2 (01 31 1320 0260 Total Incl. O&P-10%) adjusted for Elko, NV (898)         Southern Nevada       Group       Description       Zone Adjustment         Labor       DB LAB00872-015       7/1/2018       - Clark Building       Group 3       Mason Tender Cement/Concrete         Security Personal       DB LAB00872-015       7/1/2018       - Clark Building       Group 1       Common or General, landscape         Electrician/Welder       DB ELEC0357-002       10/1/2017       - Clark Heavy       Electrician       \$ 2.5 Zones 2 & 3	Security Personal	DB	LABO0169-	034	10/1/2017	- Elko Buildii	ng	Group 1	Common or	General			
Southern Nevada         Group         Description         Zone Adjustment           Labor         DB LAB00872-015         7/1/2018         - Clark Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB LAB00872-015         7/1/2018         - Clark Building         Group 1         Common or General, landscape           Electrician/Welder         DB ELEC0357-002         10/1/2017         - Clark Heavy         Electrician         \$ 2.5 Zones 2 & 3	Electrician/Welder	DB	BELEC0401-	010	7/1/2019	- Elko Buildii	ng		Electrician				
Category         Code         Group         Description         Zone Adjustment           Labor         DB LAB00872-015         7/1/2018         - Clark Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB LAB00872-015         7/1/2018         - Clark Building         Group 1         Common or General, landscape           Electrician/Welder         DB ELEC0357-002         10/1/2017         - Clark Heavy         Electrician         \$ 2.5 Zones 2 & 3	On-site Supervisor	-	RS Means 2	019 Q2 (01	31 1320 026	0 Total Incl. C	0&P-10%) ac	ljusted for Ell	ko, NV (898)				
Category         Code         Group         Description         Zone Adjustment           Labor         DB LAB00872-015         7/1/2018         - Clark Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB LAB00872-015         7/1/2018         - Clark Building         Group 1         Common or General, landscape           Electrician/Welder         DB ELEC0357-002         10/1/2017         - Clark Heavy         Electrician         \$ 2.5 Zones 2 & 3													
Labor         DB LABO0872-015         7/1/2018         Clark Building         Group 3         Mason Tender Cement/Concrete           Security Personal         DB LABO0872-015         7/1/2018         Clark Building         Group 1         Common or General, landscape           Electrician/Welder         DB ELEC0357-002         10/1/2017         Clark Heavy         Electrician         \$ 2.5 Zones 2 & 3	Southern Nevac	la											
Security Personal         DB LABO0872-015         7/1/2018         Clark Building         Group 1         Common or General, landscape           Electrician/Welder         DB ELEC0357-002         10/1/2017         Clark Heavy         Electrician         \$ 2.5 Zones 2 & 3	Category		Code					Group	Description		Zo	ne Adjustme	nt
Electrician/Welder DB ELEC0357-002 10/1/2017 - Clark Heavy Electrician \$ 2.5 Zones 2 & 3	Labor	DB	LABO0872-	015	7/1/2018	- Clark Build	ing	Group 3	Mason Tend	er Cement/C	oncrete		
	Security Personal	DB	LABO0872-	015	7/1/2018	- Clark Build	ing	Group 1	Common or	General, lan	dscape		
On-site Supervisor RS Means 2019 Q2 (01 31 1320 0260 Total Incl. O&P-10%) adjusted for Las Vegas, NV (898, 890,891)	Electrician/Welder	DB										\$ 2.5	Zones 2 & 3
	On-site Supervisor		RS Means 2	019 Q2 (01	31 1320 026	0 Total Incl. C	0&P-10%) ac	ljusted for La	s Vegas, NV	(898, 890,89	91)		

# SHARED COSTS FOR ALL FACILITIES

<mark>yellow cells</mark> are from Unit Co	osts sheet								Six Month Totals
Site Workers	# per shift	hrs. per shift	shifts per day	days per wk.	hrs. per wk.	hrs. per mo.	total hrs.	rate per hr.	I
General Laborers	1	12	2	7	168	728.00	4,368	\$0.00	\$0
Security Personnel	0	12	0	7	0	0.00	0	\$0.00	\$0
Electrician/Welder	1	8	1	5	40	173.33	1,040	\$0.00	\$0
On-Site Supervisor	0	8	0	5	0	0.00	0	\$0.00	\$0
Subtotal Site-Workers									\$0
		en eite	round trip (3)	round trips (4)		an aita	atort un	h illin a	1
CEM Contractor Site Work	or Oversight	on-site hrs./wk.	to hotel hrs./wk.	to site hrs./wk.	total hrs./wk.	on-site # of wks.	start-up hrs.	billing rate per br	
Program Director	ter Oversignt	0.00	nrs./wк. 0.00	nrs./wк. 0	nrs./wк. 0.00	# OT WKS.	nrs. 32.00	rate per hr. \$0.00	\$0
Senior Engineer(1)		16.00	0.00	0.00	16.00	12	80.00	\$0.00	\$0
Field Technician(2)		16.00	0.00	0.00	16.00	24	80.00	\$0.00	\$0 \$0
Administrative		0.00	0.00	0.00	0.00	0	8.00	\$0.00	\$0 \$0
Administrative		0.00	0.00	0	0.00	0	0.00	ψ0.00	ψυ
				# of trips	(weeks)	total	total days	per diem	1
				senior engr.	field tech.	trips		rate per day	
Full per diem (lodging + mea	als) - 2 davs/trip			12	24	0	0	\$0.00	\$0
Partial per diem (meals only				12	24	0	0	\$0.00	\$0
	/			1					· · · · ·
		one-way	# of v	weeks	round trips	total round	total	mileage	
		miles	senior engr.	field tech.	per week	trips	miles	rate per mile	
One-Way Mileage to hotel a	accommodations (3	0	12	24	1	0	0	\$0.000	\$0
One-Way Mileage from hote	el to site (4)	0	12	24	3	0	0	\$0.000	\$0
Subtotal CEM Contractor	Site Worker Over	sight							\$0
Notes:		-							P
(1) Senior Engineer - 2 wee	ek start-up time an	d 16 hrs/week (	2, 4 hr. days & 1	, 8 hr. day) every	other week o	n-site.			
(2) Field Technician - 2 wee									
(3) From Carson City, Neva	ada to nearest tow	n to site having	hotel accommod	dations. One rour	nd trip per wee	k.			
(4) From town to site. Three	e round trips per w	eek.							
CEM Contractor Reporting									_
Weekly Status Reports, Qua	arterly Reports				hrs. per wk.	# of wks.	total hrs.	rate per hr.	
Senior Engineer					4	26	104	\$0.00	\$0
Field Technician					4	26	104	\$0.00	\$0
Administrative					4	26	104	\$0.00	\$0
Subtotal CEM Contractor	Reporting								\$0
TOTAL LABOR									\$0

# **Simplified Evaporation Cell Reclamation Cost Estimate**

## DRAFT VERSION FOR INTERNAL BMRR EVALUATION ONLY V1.0.0 Beta 08.01.13

Facility:	Reclaim Pond				
Location:	Malheur County, Ore	gon			
Operator:	Calico Resources US	A Corp.			
Prepared By:	EM Strategies, Inc				
SubmittalDate:	November 1, 2019				
		-			
Fleet:	Small Fleet	Small Fleet	Large Fleet		
				·	
Ex Pond Config:	Double Liner	Double Liner	Double Liner		
Pond Area (ac)	0.37 ac				
Pond Depth (ft)	9.0 ft				
Source (%)	4.0%				
Source (ft)	602 ft				

Labor	\$48,281			
Equip	\$122,671			
Material	\$9,187			
Total	\$180,138.66			

\$486,861/ac

Summary								
Labor	Equipment	Material	Total					
\$48,281	\$122,671	\$9,187	\$180,139					
	Average Cost = \$486,861/ac							

#### **User Notes:**

#### Assumptions:

1) Labor, Equipment and Material Prices are based on 2011 SRCE Cost Data. Cost Basis is Northern Nevada, Mine Plan of Operations, Public/Public Private, Standardized Data.

2) Small Fleet: 769D Truck,325C Loader, 966C Excavator, D9R Dozer, D7R Dozer

3) Large Fleet: 777D Truck,385BL Loader, 988C Excavator, D10R Dozer, D7R Dozer

4) Excavation, Backfill, Cover, Ripping, Growth Medium and Grading materials are based on Alluvium properties and are from the same source location.

5) Includes revegitation cost over stated pond area.

6) Growth Medium/Cover is 24 inches over the stated pond area.

7) Mix 2, "Low Hills" is used for revegitation seed mix.

8) Includes installation costs for 10 foot high chain link perimiter fencing setback 20 feet. Perimiter is 4x square root of the area.

9) Includes installation cost for new heap to pond double wall pipe.

10) Includes installation cost for one 1500 gallon dosing tank.

11) Includes installation costs for distributing piping.

12) Includes costs for inspection, repair and removal of 1/2 foot of sludge on existing lined ponds.

13) Includes excavation costs for new ponds.

14) Includes installation costs for double liners with geonetting on new and unlined ponds, a single liner, geonetting on single lined ponds, and no liner cost on existing double lined ponds.

15) New liner installation includes cost for a key trench

#### DRAFT VERSION FOR INTERNAL BMRR EVALUATION ONLY

blue font is for project specific user input	Ľ						Ν	liles from	Wa	shoe Co	unty	Courth	ouse to proje	ect, o	ne way		
								Miles fr				ntal ya	rd to project,	one	way (9)		
Grassy Mountain Mine Proje	ect -	Novemb	per 2	2019 - N	lob fro	om Va	ale, (	OR				Hou	rs travel time	e @ 5	5 MPH		0
				(2)				(4)			-						
					₹			assembly									
		Mobilization \$/hour (1)		Rate load & unload	\$/hour Deadhead (empty			sen									
		our		л Х	d (e			as									
		¢/þ		ad to	lea	_		pue		\$ (5)							
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Equipment		Act.		\$ Flat	/yc	eturn cost (3)		Disassembly and		Permit cost		Pilot car costs	of		b Cost		Cost
Sulldozers	-	~		<u>۰</u> ۰	0	2		<u> </u>		<u>а</u>		<u>a</u>	#	1010	5 6031		COSt
	٦.				•						•		-	•		•	
D6R	\$	97	\$	97	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	
D7R	\$	126	\$	126	\$	-	\$	-	\$	25	\$	-	2	\$	427	\$	1
D8R	\$	148	\$	148	\$	-	\$	-	\$	25	\$	-		\$		\$	
D9R	\$	148	\$	148	\$	-	\$		\$	25	\$	-	1	\$	246	\$	
D10R	\$	148	\$	148	\$	-	\$	63,720	\$	25	\$	-		\$	-	\$	
D11R (two transports) (7)	\$	148	\$	148	\$	-	\$	135,720	\$	25	\$	-		\$	-	\$	
lotor Graders														-			
14G/H	\$	97	\$	97	\$	-	\$	-	\$	-	\$	-	1	\$	145	\$	:
16G/H	\$	126	\$	126	\$	-	\$	-	\$	25	\$	-		\$	-	\$	
rack Excavators																	
320C	\$	126	\$	126	\$	-	\$	-	\$		\$	-		\$		\$	
325C	\$	126	\$	126	\$	-	\$	-	\$	-	\$	-	3	\$	565	\$	1,
345B	\$	148	\$	148	\$	-	\$	-	\$	25	\$	-		\$	-	\$	,
385BL	\$	148	\$	148	\$	-	\$	44,880	\$	25	\$			\$	-	\$	
crapers	Ŷ	110	Ŷ	110	Ŷ		Ŷ	11,000	Ŷ	23	Ŷ			Ŷ		Ŷ	
631G	\$	148	\$	148	\$		\$		\$	25	\$			\$		\$	
637G PP						-		-	ې \$	25		-					
	\$	148	\$	148	\$	-	\$	-	Ş	25	\$	-		\$	-	\$	
Vheeled Loaders													-				
928G	\$	97	\$	97	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
966G	\$	97	\$	97	\$	-	\$	-	\$	-	\$	-	1	\$	145	\$	
972G	\$	126	\$	126	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
988G	\$	126	\$	126	\$	-	\$	-	\$	25	\$	-		\$	-	\$	
992G (two transports) (7)	\$	148	\$	148	\$	-	\$	74,160	\$	25	\$	-		\$	-	\$	
lydraulic Hammers	_																
H-120 (fits 325) no charge, mobilize with mac	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
H-160 (fits 345) no charge, mobilize with mac	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
H-180 (fits 365/385) no charge, mobilize with	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Other Equipment	-													-			
420D 4WD Backhoe	\$	97	\$	97	\$		\$	-	\$		\$		1	\$	145	\$	
CS563E Vibratory Roller	\$	97	\$	97	\$		\$		\$	-	\$			\$		\$	
Light Truck - 1.5 Ton	\$	67	\$	67	\$		\$	_	\$	_	\$	-		\$		\$	
Supervisor's Truck	\$	58	\$	58	\$	-	\$		\$	-	\$		1	\$	86	\$	
Air Compressor + tools	\$	74	\$	74	\$	-	\$		\$	-	\$			\$	00	φ \$	
	\$	74	\$	74	\$	-	\$	-	Ś		\$	-		\$	-	\$	
Welding Equipment						-	э \$	-		-	э \$	-			-		
Heavy Duty Drill Rig	\$	397	\$	397	\$	-		-	\$	-		-		\$	-	\$	
Pump (plugging) Drill Rig	\$	397	\$	397	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Concrete Pump	\$	74	\$	74	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Gas Engine Vibrator	\$	74	\$	74	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Generator 5KW	\$	74	\$	74	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
HDEP Welder (pipe or liner)	\$	74	\$	74	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
5 Ton Crane Truck	\$	107	\$	107	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
25 Ton Crane	\$	146	\$	146	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
rucks	_													_			
725	\$	97	\$	97	\$	-	\$	-	\$	-	\$	-	1	\$	145	\$	
740	\$	126	\$	126	\$	-	\$	-	\$	25	\$	-		\$	-	\$	
769D	\$	126	\$	126	\$	-	\$	-	\$	25	\$	-		\$	-	\$	
777D (two transports) (8)	\$	148	\$	148	\$	-	\$	71,280	\$	25	\$	-		\$	-	\$	
613E (5,000 gal) Water Wagon	\$	148	\$	148	\$	-	\$	-	\$	-	\$	-	1	\$	221	\$	
621E (8,000 gal) Water Wagon	\$	148	\$	148	\$	-	\$		\$	25	\$	-		\$		\$	
Dump Truck (10-12 yd <sup>3</sup> )	\$	111	\$	111	\$	-	\$		\$	-	\$	-		\$		\$	
	φ	111	φ	111	ψ		φ		ډ	-	φ			φ		φ	
iscellaneous	- F		~		¢				<i>.</i>		~			•		~	
quipment for dry hole abandonment (420D 4W		97	\$	97	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Pilot car (Light Truck)	\$	58	\$	58	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Truck Tractor + Lowbed Trailer 75 ton	\$	148	\$	148	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Truck Tractor + Flatbed Trailer 40 ton	\$	126	\$	126	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
Light Truck + Flatbed Trailer 25 ton	\$	74	\$	74	\$	-	\$	-	\$	-	\$	-		\$	-	\$	
													12			\$	4,

#### es and explar ons of assumptions

(1) The sum of the cost of equipment from either the SRCE or RSM equipment tab plus Davis-Bacon labor tab

(2) Assumes minimum of 30 minutes load and secure and 30 minutes unsecure and unload machine.

(3) No "Deadhead" (empty) charge for Mob up to 50 miles. More than 50 miles the cost of deadhead same rate as loaded miles.

(4) Only large equipment requires disassembly for transport. Includes cost of mechanic + mechanic's truck + crane operator + crane
 (5) Nevada Dept. of Transportation overdimensional permits are \$25 per trip or \$60 per year.

(6) Sum of mobilization plus all ancillary costs for one way loaded and return empty.

(7) Two transports are required but the second transport does not need pilot cars or permits or a heavy duty trailer. (8) Two transports required with both requiring full complement of pilot cars and permits.

(9) For large mining operations, mobilization may be required from more than one location. For example, the Elko yard may not have four 631 scrapers.

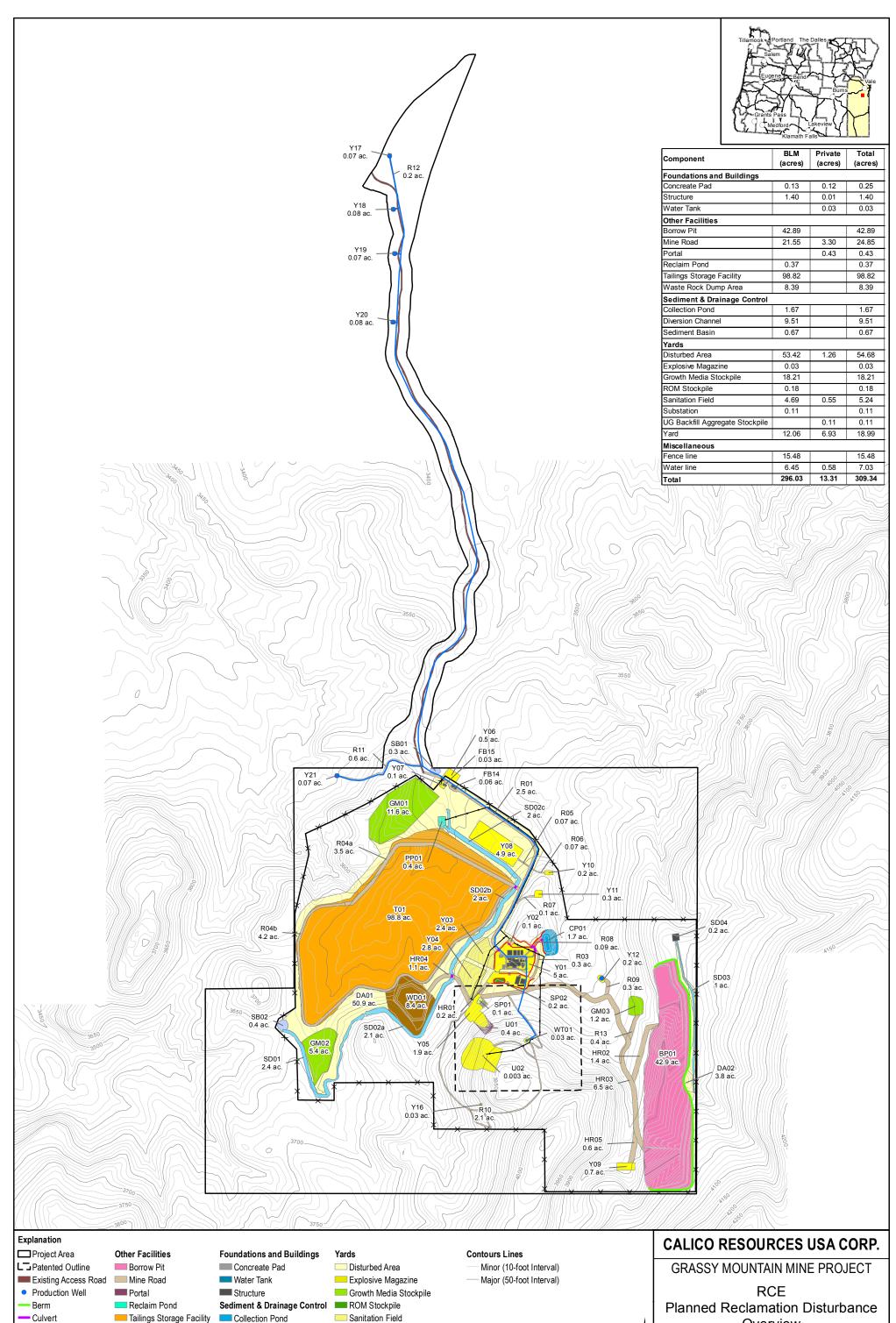
Additional equipment may need to mobilize from Reno, Las Vegas, or Salt Lake City. Input the further distance here. (10) Pilot Car costs based on SRCE light truck costs and Davis-Bacon wages

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

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

(13) Davis Bacon wages based on 2019 determination.

# SRCE FIGURES



Overview

abel: Figure 1	Drawn By: JDB							
Date: 11/11/2019	Project No.: 3671							
Base Map:								
ile Name: 3671G_GrassyMtn_SCRE_Fig1_OV.mxd								

1 inch = 1,200 feet

When printed at 11" x 17"

600

0

1,200 Feet

- Ditch

<del>×</del> Fence

- Power Line

- Water Line

Waste Rock Dump Area

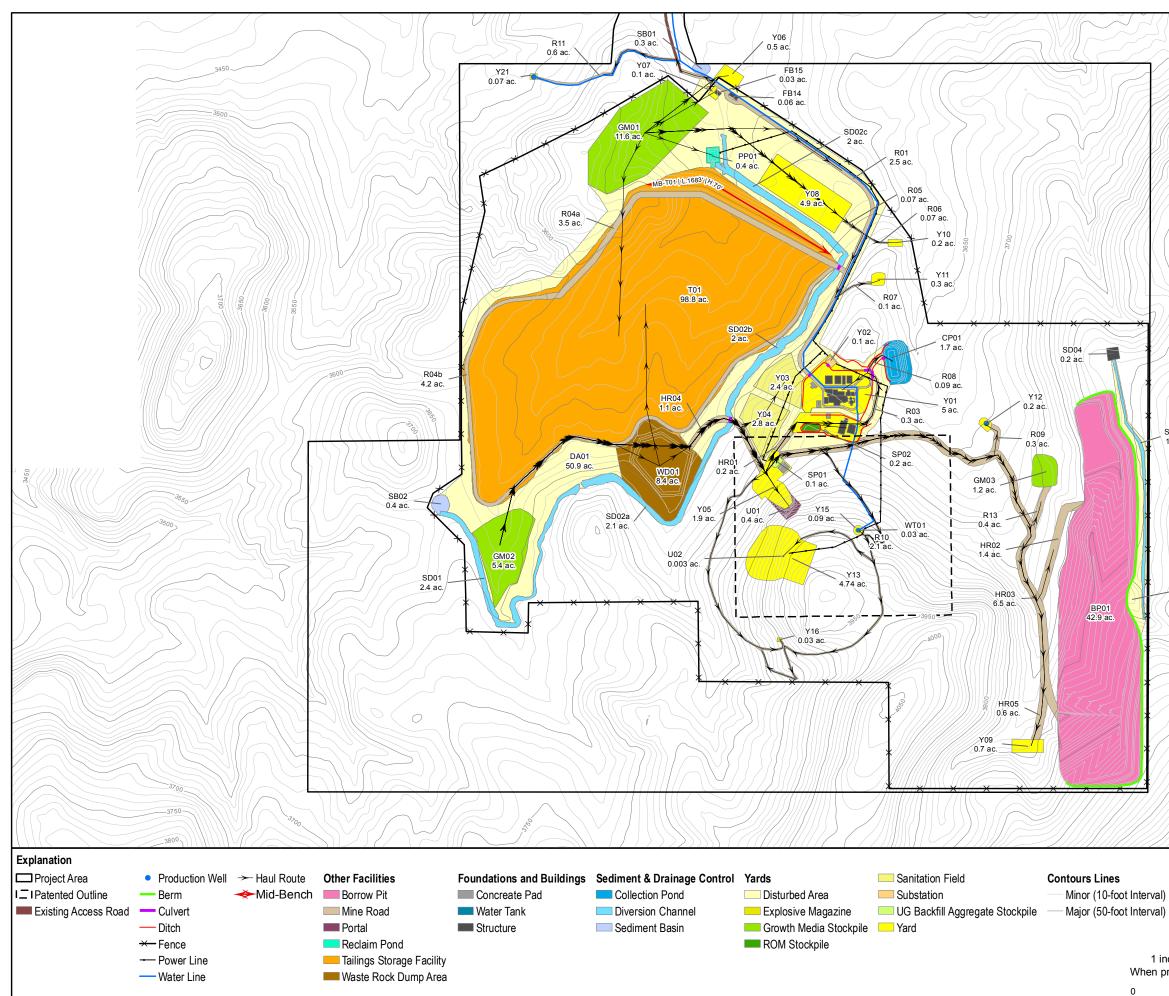
Diversion Channel

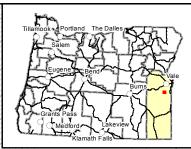
Sediment Basin

Substation

📒 Yard

UG Backfill Aggregate Stockpile





Component	BLM	Private	Total	
	(acres)	(acres)	(acres) 0.25 1.40 0.03 42.89 24.85 0.43 0.37 98.82 8.39 1.67 9.51 0.67 54.68 0.03 18.21 0.18 5.24 0.11 18.99 15.48 7.03	
Foundations and Buildings				
Concreate Pad	0.13	0.12	0.25	
Structure	1.40	0.01	1.40	
Water Tank		0.03	0.03	
Other Facilities				
Borrow Pit	42.89		42.89	
Mine Road	21.55	3.30	24.85	
Portal		0.43	0.43	
Reclaim Pond	0.37		0.37	
Tailings Storage Facility	98.82		98.82	
Waste Rock Dump Area	8.39		8.39	
Sediment & Drainage Control				
Collection Pond	1.67		1.67	
Diversion Channel	9.51		9.51	
Sediment Basin	0.67		0.67	
Yards				
Disturbed Area	53.42	1.26	54.68	
Explosive Magazine	0.03		0.03	
Growth Media Stockpile	18.21		18.21	
ROM Stockpile	0.18		0.18	
Sanitation Field	4.69	0.55	5.24	
Substation	0.11		0.11	
UG Backfill Aggregate Stockpile		0.11	0.11	
Yard	12.06	6.93	18.99	
Miscellaneous				
Fence line	15.48		15.48	
Water line	6.45	0.58	7.03	
Total	296.03	13.31	309.34	

SD03 1 ac.

DA02 3.8 ac.



**GRASSY MOUNTAIN MINE PROJECT** 

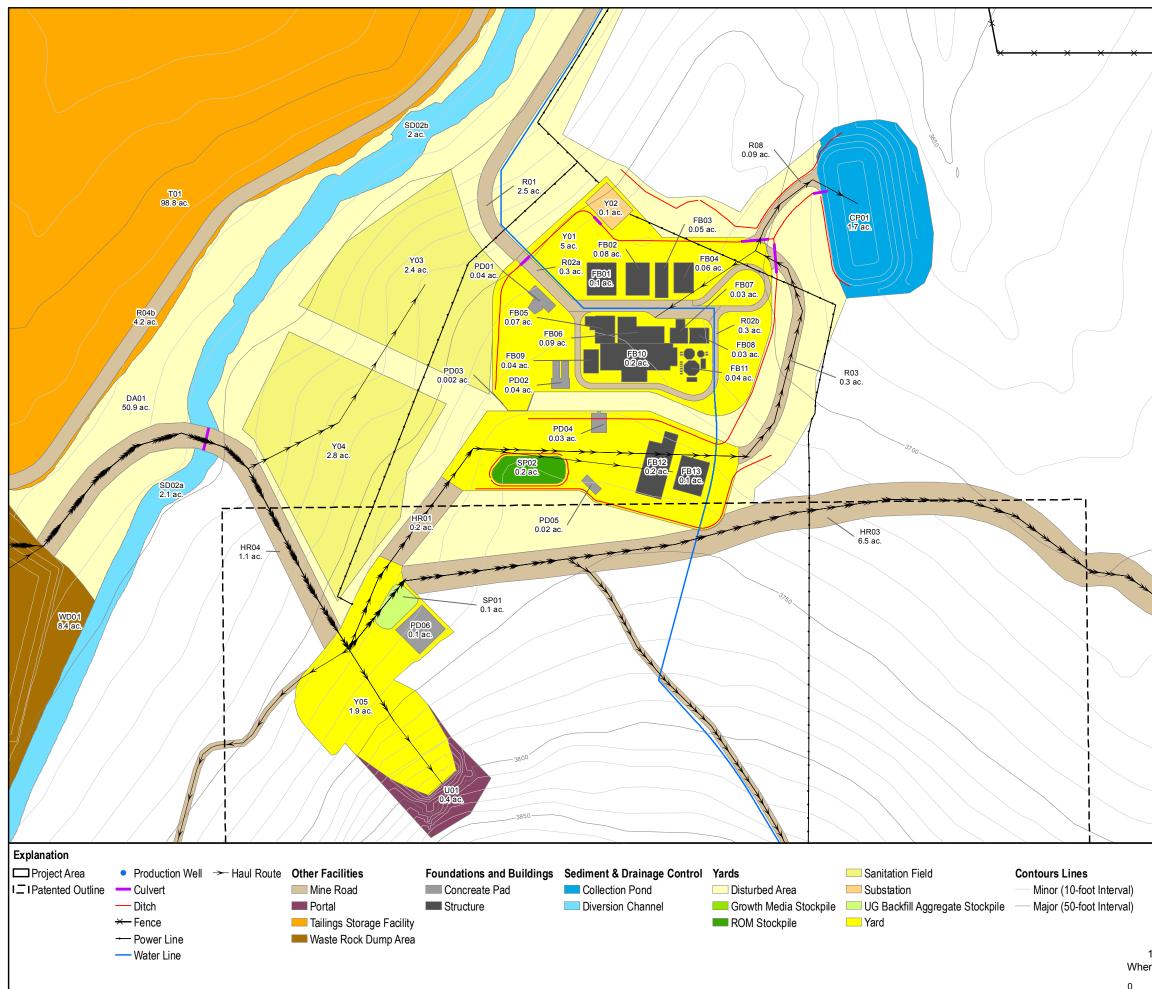
1 inch = 800 feet When printed at 11" x 17" 400 800

Feet

RCE Planned Reclamation Disturbance Mine Site

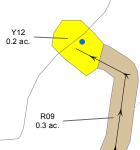
Label: Figure 2	Drawn By: JDB	
Date: 11/11/2019	Project No.: 3671	
Base Map:		
File Name: 3671G (	GrassyMtn SCRE Fig2 MS.mxd	







Component	BLM (acres)	Private (acres)	Total (acres)
Foundations and Buildings			
Concreate Pad	0.13	0.12	0.25
Structure	1.40	0.01	1.40
Water Tank		0.03	0.03
Other Facilities			
Borrow Pit	42.89		42.89
Mine Road	21.55	3.30	24.85
Portal		0.43	0.43
Reclaim Pond	0.37		0.37
Tailings Storage Facility	98.82		98.82
Waste Rock Dump Area	8.39		8.39
Sediment & Drainage Control			
Collection Pond	1.67		1.67
Diversion Channel	9.51		9.51
Sediment Basin	0.67		0.67
Yards			
Disturbed Area	53.42	1.26	54.68
Explosive Magazine	0.03		0.03
Growth Media Stockpile	18.21		18.21
ROM Stockpile	0.18		0.18
Sanitation Field	4.69	0.55	5.24
Substation	0.11		0.11
UG Backfill Aggregate Stockpile		0.11	0.11
Yard	12.06	6.93	18.99
Miscellaneous			
Fence line	15.48		15.48
Water line	6.45	0.58	7.03
Total	296.03	13.31	309.34









GRASSY MOUNTAIN MINE PROJECT

RCE Planned Reclamation Disturbance Process Area

Drawn By: JDB Project No : 3671

1 inch = 200 feet When printed at 11" x 17" 200 Feet 100

Dute. 11/1	172010	110	1001110		
Base Map:					
File Name:	3671G_0	GrassyMtn_	SCRE_	Fig3_PA.mxd	

Label: Figure 3



HR02 1.4 ac.