



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Midwestern Farms	MINE/PROSPECTING ID#: M-1993-059	MINERAL: Sand and gravel	COUNTY: Prowers
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: April 04, 2014	INSP. TIME: 08:00
OPERATOR: Midwestern Farms Resource dba Eastern Colorado Aggregates	OPERATOR REPRESENTATIVE: Joe Baxter and Baxter Kirkland	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$718,752.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 5, 2014

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Financial Warranty

PROBLEM/POSSIBLE VIOLATION: Problem: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The Operator shall submit adequate financial warranty, as determined by the Division. The Division will be sending a separate surety increase notice to the Operator regarding the increase of the financial warranty. The Operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 07/04/2014

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM/POSSIBLE VIOLATION: Problem: The current mine plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The Operator must provide sufficient information to describe or identify how the Operator intends to conduct the operation.

Failure to follow approved reclamation plan, or current reclamation plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-116 (1). The Operator must follow approved reclamation plan or provide sufficient information to describe or identify how the Operator intends to conduct reclamation.

CORRECTIVE ACTIONS: The Operator shall submit a Technical Revision, with the required \$216 revision fee to update and clarify the current approved mine plan and reclamation plan to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: 07/04/2014

OBSERVATIONS

This inspection was conducted by Amy Eschberger, Tyler O'Donnell, and Tony Waldron of the Division of Reclamation, Mining and Safety (Division). Also present were Midwestern Farms Resources dba Eastern Colorado Aggregates representatives Baxter Kirkland and Joe Baxter. The Midwestern Farms operation is located about 2 miles south and west of Holly, Colorado, between U.S. Highway 50 and the Arkansas River. The site is mined by floating suction dredge method with the waste sand being backfilled behind the active mining. Approximately 1.9 to 2.0 million tons of material is reported to be excavated annually, with 23-28% sold. Mining occurs to an average depth of 60 feet.

During inspection, it was clear, sunny and cool, and the ground was a little moist from rain on the previous day. The mine entrance sign (Photo 1) and permit boundaries were in place. The site is currently active and was accessed by vehicle. Active mining is in Phase 2 of the approved Mining Plan, and the Operator stated that currently, they do not plan on continuing the operation past Phase 2. A large overburden pile of sand located in the central portion of the site (Photo 2) covers approximately 12 acres with an average height of 20 feet. During inspection, the Division agreed to use the Operator's volume estimate of 325,000 CY for the sand pile. The Operator stated that they will use this sand to backfill the Phase 2 pond just to the east of the pile (where the dredge is presently located) as soon as possible.

Topsoil is stockpiled along the northern permit boundary. Some of the topsoil is stable (Photo 3), but other parts are not stable (Photo 4) and will require seeding with the approved seed mixture if it will not be used for final reclamation shortly. The approved Mining Plan calls for all topsoil stockpiles to be immediately broadcast seeded with a mixture of smooth brome, western wheat, and intermediate wheatgrass in equal proportions at a rate of 19 PLS per acre. An elevated conveyor (Photo 5) approximately 1,750 feet in total length crosses the railroad tracks to the north, and was constructed to bring material from the active excavation area at the center of the site to the haul area north of the railroad tracks. This conveyor was not in operation during inspection. A material processing and stockpiling area (Photos 6 and 7) located at the center of the affected area covers approximately 40 acres according to the Division's analysis of recent aerial images.

There are two ponds in the permit area, the western pond and the eastern pond, which together comprise approximately 94 acres of surface area. According to the State Engineer, this amount of exposed groundwater is in compliance with their regulations. The Lower Arkansas Water Management Association (LAWMA) indicated that the Midwestern Farms operation has permanent augmentation rights that allow them to have up to 98.40 acres of exposed groundwater (as decreed in case no. 02CW181). The western pond (Photos 8 and 9) currently contains a Colorado Parks and Wildlife (CPW) sign and is being used as public fishing access. The Division does not have record of release for this area on file or in the permit system. The Operator was informed during inspection that they will need to submit a Technical Revision with the Division to change the post-mining land use of the CPW pond area to recreational use. Using recent aerial images of the site, the Division has estimated the surface area of this pond to be approximately 23 acres, with a perimeter of approximately 6,877 feet.

The eastern pond (Photos 10 and 11) is part of the Phase 2 dredge operation and will need to be backfilled once mining ceases. Using recent aerial images of the site, the Division has estimated the surface area of this eastern

pond to be approximately 71 acres, with a perimeter of approximately 13,421 feet. The eastern and southern banks of this pond have a 1H:1V slope, rising approximately 6 feet above the water line.

The approved post-mining land use of this site was for industrial, general agriculture, rangeland, and wildlife habitat. A Technical Revision was approved by the Division on April 25, 2012 that changed the post-mining land use of 64.2 acres located on the northwestern portion of the permit area to dryland farmland. During inspection, the Division observed this area to have been topsoiled with weedy vegetation growing (Photo 12). The Operator believes this area has been released from the permit, but no records of that release were found in the Division's file or permit system. If the Operator would like to release the 64.2 acres, he must first initiate a crop rotation to demonstrate the post-mining land use as dryland farmland. Once this has been achieved, the Operator must fill out and submit to the Division the attached Request for Full or Partial Release of Permit Area form.

The permit area is recorded as being 1,479.2 acres, with approximately 141 acres reported as being currently affected. However, after inspection, the Division believes the currently affected area to be more than the maximum of 141.8 acres allowed to be disturbed at any one time per the approved Mining Plan. During inspection, the Operator estimated the currently affected area to be approximately 150 acres; however, he agreed to allow the Division to determine actual affected acreage using aerial images of the site. In doing this (Figures 1 and 2), the Division estimates the total affected area to be approximately 387 acres, of which, approximately 94 acres consist of surface area of exposed groundwater (the two ponds), and approximately 293 acres consist of affected land. Of the 293 acres of affected land, 64.2 acres are the topsoiled dryland farmland, approximately 179 acres are in use by the operation and will require reworking and topsoil replacement, and approximately 50 acres (located around the outer edges of the affected area) should not require topsoil replacement, but will require seeding. The Division has recalculated the bond estimate to account for this increase in affected area (Figure 3) from 141.8 acres to 387 acres (an increase of approximately 245 acres), with a new bond amount of \$1,583,000.00. This new estimate is \$864,248, more than the current bond amount of \$718,752; therefore, the Operator shall submit a new financial warranty with the Division in the amount of \$864,248.

The approved Reclamation Plan for this site states that each mining phase will have two lakes, one left after approximately ½ of each phase is mined, and the other after final reclamation of the phase. The lakes will have a maximum depth of approximately 60 feet, and will receive water through the alluvium in the floodplain. The side slopes of the lakes shall be no steeper than 2H:1V in all portions, and a shallow shelf area 40 feet wide will be created along the shoreline of each lake. This shelf will be installed at a 6H:1V slope.

Also, all grading shall be conducted to create a final site topography consistent with the wildlife habitat and dryland farmland (agricultural) use. Grading will be done in a manner to control erosion and siltation and to protect areas outside the affected land from slides and other damage. There will be no highwalls left within the site. Backfilling and grading will be completed as soon as possible during or after the mining process for each phase of mining. The Operator will make every reasonable "good faith" effort to minimize overburden stockpiling and exposed, unreclaimed mine areas.

After final grading of the surface to be soiled, topsoil will be placed to a depth of 12-24 inches, with an average depth of 18 inches. The soil will be obtained from the stockpiles created from the initial lake excavation in each mining phase. According to the Division's estimates (above), currently, the total area that will require topsoil replacement consists of approximately 179 acres. At an average depth of 1.5 feet (18 inches) x 7,797,240 SF (179 acres x 43,560 feet), the amount of topsoil needed for final reclamation will be approximately 433,180 CY (11,695,860 CF/27 CF).

The revegetation plan will be based on having wetlands along the shores of the lakes and dryland farmland for the rest of the permit area. The original plant area located north of the railroad tracks and south of U.S. Highway 50 is restored to industrial use and will not be revegetated. Prior to seeding, the soils will be ripped or disced to relieve compaction. Since the entire site will have grades of 6H:1V or less, drill seeding or broadcast seeding will be used. Drill seeding may be used at ½ the broadcast rate. Prior to seeding, the Operator will collect samples of the redistributed soil, have it analyzed, and add fertilizers specifically designed for the actual soil conditions and proposed revegetation plan. This will be done before any fall seeding. When the soils and any suitable fine material have been spread, the surface will be smoothed and worked until moderately fine where the seed is to be drilled; the surface will be left fairly rough where seed is to be broadcast.

For seeding of the dryland farmland (agricultural) areas, the approved Reclamation Plan calls for a seed mixture recommended by the Division of Wildlife (Figure 4). Seeding time will be late fall or early winter when the soil is dry and cold and seeds will remain dormant until they are able to take advantage of spring moisture. Mulching with weed-free straw, manure, or grass hay will be used to protect the soil surface following seeding. The mulch rate will be 2 tons per acre.

The plan for revegetating the shoreline areas is expected to establish a diverse, effective, and long-lasting vegetative cover capable of self regeneration without continued dependence on irrigation, soil amendments, or fertilizer. In order to establish a more diverse habitat for wildlife and waterfowl, tree and shrub planting will be introduced along the shores of the lakes (Figure 5). The approved Reclamation Plan includes a list of plant material that has been selected for wildlife habitat by the Division of Wildlife (Figure 6). The tree/shrub saplings/seedlings to be planted will mainly be placed along the reclaimed shoreline in areas of 2/10 acre utilizing numerous short rows instead of fewer, longer rows. In-row spacing between shrubs will be less than 8 feet and between row spacing will be less than 10 feet. One of these 2/10 acre thicket areas will be used for each 1.5 acres of the upper shelf areas. Since the shelves are 40 feet wide, the upper shelf width (above water) is 20 feet. This provides for 13.3% of the upper shelf areas planted with shrub/tree thickets. The remaining upper shelf areas will be seeded with 50% grass mix as described in the seed mix for the dryland farmland areas, and 50% wetland mix as described in the approved Reclamation Plan (Figure 7). A tree/shrub nursery or holding area could be established on-site to provide plant material for reclamation of the lake areas which will become future wildlife habitat. Seedlings for spring planting can also be obtained from the Colorado State Forest Service in quantities large enough to revegetate a lake area in one planting.

In conjunction with the grass seeding and tree/shrub planting, wetland species (Figure 7) will be introduced along the shoreline of the proposed lakes once final grading has been accomplished. An underwater terrace area of approximately 20 feet wide immediately along the edge of each lake shoreline will allow for public safety as

well as an area for introduction of wetland plants. This area will be a section of shelf approximately installed at a grade of 6H:1V. The wetland plants will be introduced in the 20 feet wide underwater part of the shallow shelf, and will comprise 50% of the seed mix for the upper (above water) part of the shelf that contains the shrub/tree thickets. Native plant material on-site and especially species for trees, shrubs, and wetland plants can be found along the Arkansas River and can be transplanted to the proposed lake areas.

The approved Reclamation Plan states that the Operator will take measures to ensure that the reclaimed land is free of weed infestations. Problem weeds will be monitored closely each spring for the first two years following reseeding to determine if they are invading the area. Weed control will be initiated if the problem becomes serious. The Operator plans to use assistance from the local Natural Resources Conservation Service (NRCS) office to determine the perennial cover of the reclaimed land.

In conclusion, the Operator will need to submit a Technical Revision to the Division that includes updated Mining Plan and Reclamation Plan maps. This Technical Revision shall also include a change in post-mining land use for the western pond which is currently being used as public fishing access by the CPW.

In addition, the Operator shall submit a new financial warranty with the Division in the amount of \$864,248 to cover the difference between the current bond amount of \$718,752 and the new bond amount of \$1,583,000 calculated by the Division after conducting the April 04, 2014 inspection.

Finally, once mining activities have ceased at this site, final reclamation shall be completed within five years, pursuant to C.R.S. 34-32.5-116(4)(q)(I).

PHOTOGRAPHS



Photo 1. Permit sign posted at entrance to site from U.S. Highway 50.



Photo 2. View looking west, showing part of large overburden pile of sand located in central portion of site, just west/northwest of current dredge pond.

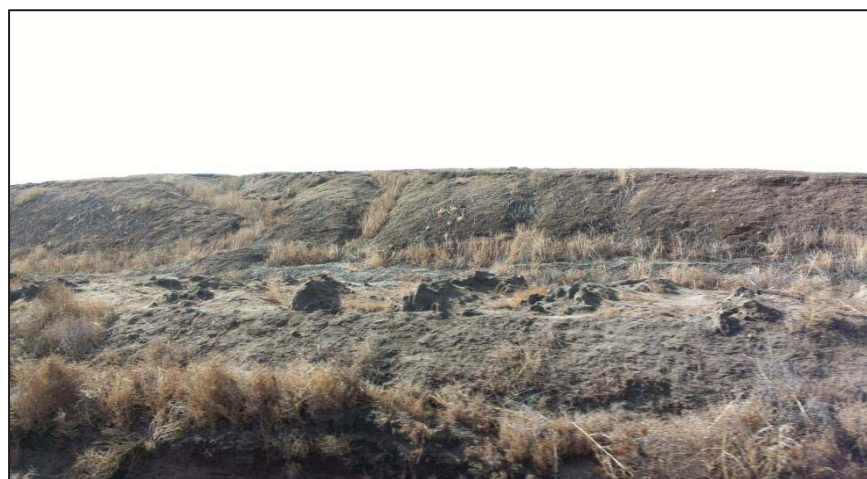


Photo 3. View looking south, showing stabilized topsoil stockpile lining northern boundary of permit area.



Photo 4. View looking south, showing topsoil stockpiles that need seeding.



Photo 5. View looking west, showing elevated conveyor that crosses the railroad tracks to the north of the site.



Photo 6. View looking north, showing material processing and stockpiling area located at center of site.



Photo 7. View looking northwest, showing material processing and stockpiling area located at center of site.



Photo 8. View looking south, showing western pond with DOW sign posted (at far right). This pond is being used for public access fishing.



Photo 9. View looking east across western pond, with material processing and stockpiling area shown in the background.



Photo 10. View looking west, showing eastern pond in foreground and processing and stockpiling area in background. Floating suction dredge is shown at far right.



Photo 11. View looking southwest across eastern pond.



Photo 12. View looking north across the 64.2 acres of dryland farmland located on northwestern portion of site.

Midwestern Farms

PERMIT #: M-1993-059
INSPECTOR'S INITIALS: AME
INSPECTION DATE: April 4, 2014

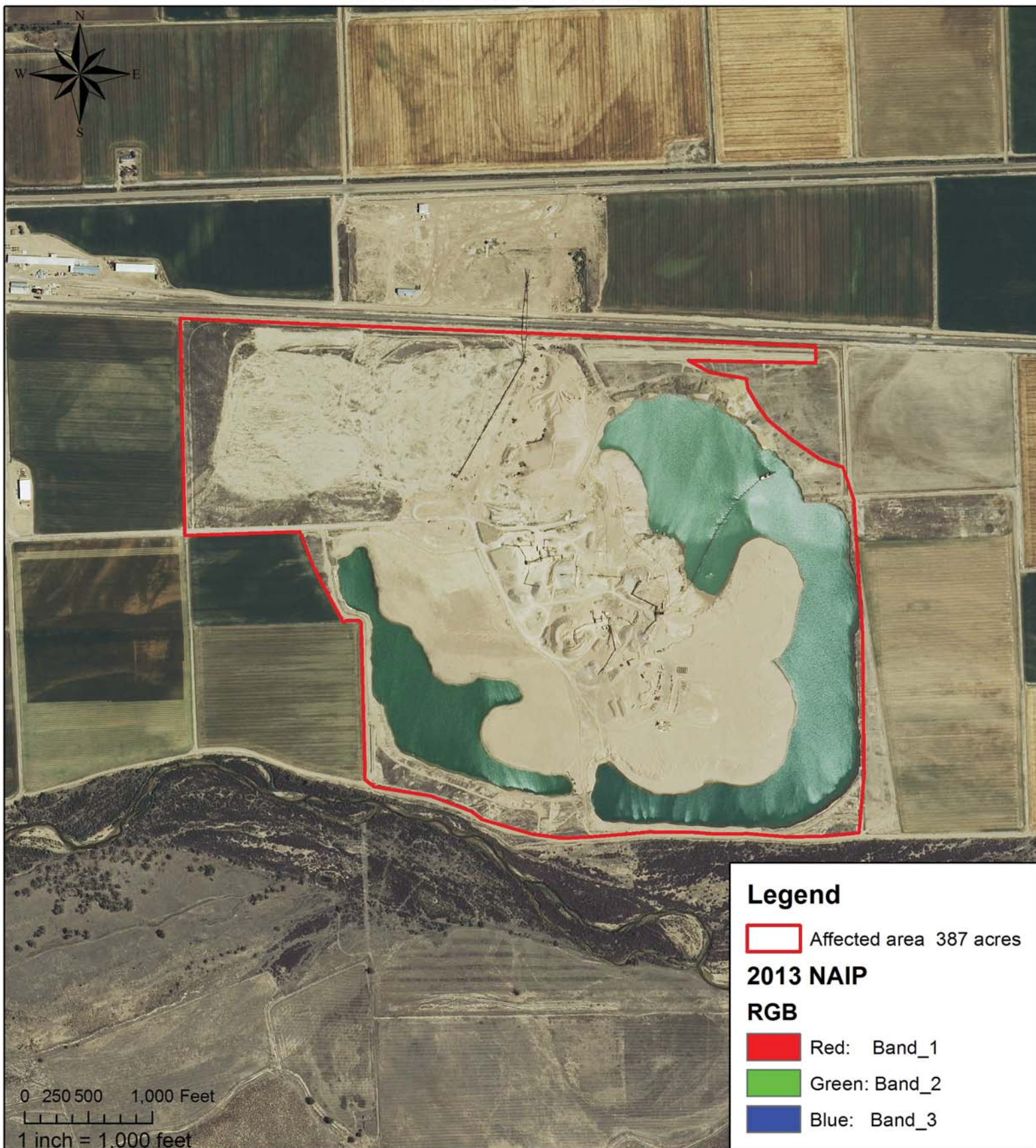


Figure 1. Aerial photograph of the Midwestern Farms site (DRMS File No. M-1993-059), showing an affected area of 387 acres.

Midwestern Farms

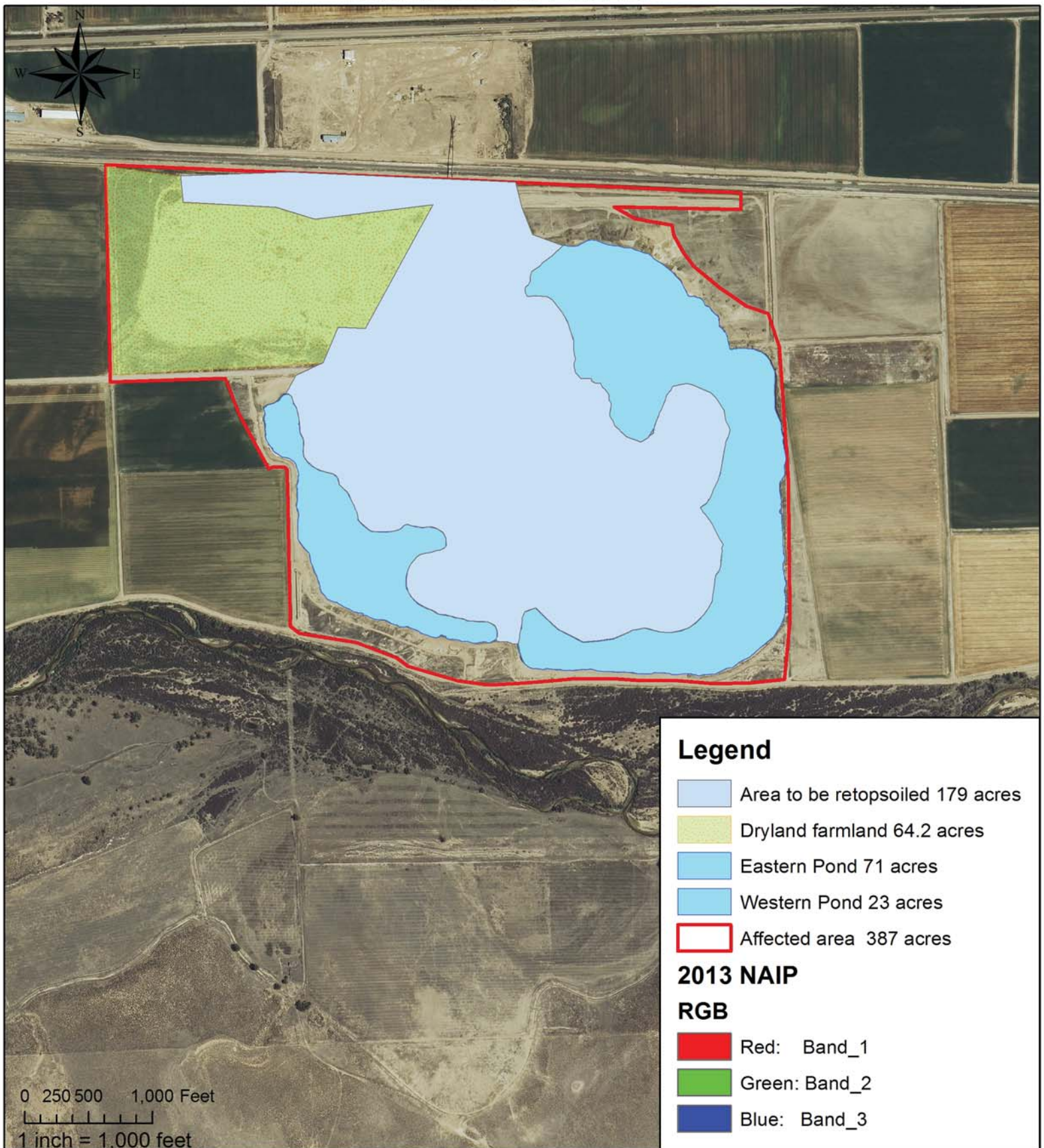


Figure 2. Aerial photograph of the Midwestern Farms site (DRMS File No. M-1993-059), showing the affected area, including the western pond, the eastern pond, the vegetated dryland farmland, and the area that will need to be retopsoiled for final reclamation.

COST SUMMARY WORK

Task description: Reclaim the Midwest Farms Pit

Site: Midwestern Farms Permit Action: April 2014
Inspection Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 999 State: Colorado Abbreviation: None
Date: 4/21/2014 County: Prowers Filename: M059-999
User: TOD

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Demo conveyor belt over railroad tracks 1750 feet total	DEMOLISH	1	45.00	\$45,302.09
002	Remove sand pile	TRUCK1	1	365.71	\$382,181.84
003	Grade banks of the eastern pond to 3H:1V 5000ft shoreline	DOZER	1	8.42	\$1,668.00
004	Rip plant area	RIPPER	1	57.39	\$12,109.00
005	Replace 1.5 feet of topsoil over 178 acres	SCRAPER1	1	452.79	\$534,594.34
006	Revegetation 228.8 acres	REVEGE	1	455.00	\$250,727.05
007	Plant trees 20 acres	REVEGE	1	80.00	\$11,088.00
008	Mobilization Demobilization of equipment	MOBILIZE	1	10.18	\$19,613.66
<u>SUBTOTALS:</u>				1474.49	\$1,257,283.98

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02%	Total =	\$25,397.14
Performance bond:	1.05%	Total =	\$13,201.48
Job superintendent:	80.00 hrs	Total =	\$5,232.80
Profit:	10.00%	Total =	\$125,728.40
		TOTAL O & P =	\$169,559.82
		CONTRACT AMOUNT (direct + O & P) =	\$1,426,843.80

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	0.00	Total =	0.00
Engineering work and/or contract/bid preparation:	6.00%	Total =	\$85,610.63
Reclamation management and/or administration:	5.00%		\$71,342.19
CONTINGENCY: 0.00		Total =	\$0.00

TOTAL INDIRECT COST = \$326,512.64

TOTAL BOND AMOUNT (direct + indirect) = \$1,583,796.62

Figure 3. New bond estimate for Midwestern Farms operation (DRMS File No. M-1993-059), calculated by DRMS after the April 04, 2014 inspection.

DEMOLITION WORK

PERMIT #: M-1993-059
INSPECTOR'S INITIALS: AME
INSPECTION DATE: April 4, 2014

Task description: Demo conveyor belt over railroad tracks 1750 feet total

Site: Midwestern Farms

Permit Action: April 2014 Inspection

Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 4/21/2014

County: Prowers

Filename: M059-001

User: TOD

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 94.10 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Demo conveyor belt Section on ground	1050 feet	Conveyor, overland, including supports - 5 ft. W x 6 ft. H housing	1,050.00	LF	\$17.07	\$17,923.50
Demo conveyor belt over railroad tracks	700 ft	Conveyor, elevated, including supports - 5 ft. W x 6 ft. H housing	700.00	LF	\$43.17	\$30,219.00

Job Hours: 45.00

Subtotal
(unadjusted): \$48,142.50

Total Cost
(adjusted for location): \$45,302.09

TRUCK/LOADER TEAM WORK

Task description: Remove sand pile

Site: Midwestern Farms

Permit Action: April 2014 inspection

Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 4/22/2014 County: Prowers Filename: M059-002
User: TOD

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 773F
-Loader:	CAT 990H high lift
Support Equipment -Load Area:	NA
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 14M
-Water Truck:	Water Tanker, 3,500 Gal.

Cost Breakdown:

	Truck/Loader Team		Support Equipment		Maintenance Equipment	
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	100	50	50
Ownership cost/hour:	\$60.64	\$112.96	NA	\$56.69	\$37.98	\$10.68
Operating cost/hour:	\$119.47	\$158.40	NA	\$104.03	\$33.87	\$18.12
Ripper op. cost/hour:	NA	\$0.00	NA	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.66	\$35.82	NA	\$37.41	\$27.55	\$0.00
Unit Subtotals:	\$205.77	\$307.17	NA	\$198.13	\$99.40	\$28.80
Number of Units:	2	1	0	1	1	1
Group Subtotals:	Work: \$718.71		Support:	\$198.13	Maint:	\$128.20

Total work team cost/hour: \$1,045.04

MATERIAL QUANTITIES

Initial volume: 325,000 CCY Swell factor: 1.060
Loose volume: 344,500 LCY

Source of estimated volume: Operator's estimate
Source of estimated swell factor: Cat Handbook
Material Purchase Cost: \$0.00
Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,400 Pounds/LCY
Description: Sand - Dry, loose
Rated Payload: 122,520 Pounds
Payload Capacity: 51.05 LCY

Truck Bed (volume) Basis:

Struck Volume:	35.00	LCY
Heaped Volume:	46.50	LCY
Average Volume:	40.75	LCY
Adjusted Volume:	46.50	LCY

 Final Truck Volume Based on Number of Loader Passes: 43.88 LCY
Loading Tool CapacityBucket Size Class: NA

Rated Capacity:	11.250	LCY (heaped)
Bucket Fill Factor:	0.975	Loose material - uniform aggregates to 1/8" (95-100%) 0.975
Adjusted Capacity:	10.969	LCY

Job Condition Corrections:Site Altitude (ft.): 3400 feet

	Truck	Loader	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)

Net Correction:	0.830	0.830
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Loading Tool Cycle Time:Number of Loading Tool Passes Required to Fill Truck: 4 passesExcavators and Front Shovels:Machine Cycle Time vs. Job Condition Rating: NASelected Value within this Basic Rating: NA

Track Loaders – Material Description: _____

Cycle Time Elements (min.):

 Load: NA Maneuver: NA Dump: 0.100
Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.600 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high and up 0.00	0.000	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	-0.040	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.100</u>	minutes
Adjusted Loader Cycle Time:		<u>0.500</u>	minutes
Net Load Time per Truck:		<u>1.600</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	0.70	Minutes	Adjusted for site altitude:	0.700	Minutes
Truck Load Time:	1.600	Minutes	Adjusted for site altitude:	1.600	Minutes
Truck Maneuver and Dump Time:	1.10	Minutes	Adjusted for site altitude:	1.100	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	525.00	-0.50	3.00	2.50	3448	0.864

Haul Time: **0.864** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	525.00	0.50	3.00	3.50	3540	0.375

Return Time: **0.375** minutesTotal Truck Cycle Time: **4.639** minutes

Loading Tool unit

Production	<u>1,144.57</u>	LCY/Hour	Adjusted for job efficiency:	<u>949.99</u>	LCY/Hour
Truck Unit Production	<u>567.47</u>	LCY/Hour	Adjusted for job efficiency:	<u>471.00</u>	LCY/Hour

Optimal No. of Trucks:	<u>2</u>	Truck(s)	Selected Number of Trucks:	<u>2</u>	Truck(s)
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Adjusted hourly truck team production:	<u>942.00</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>942.00</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>942.00</u>	LCY/Hour

JOB TIME AND COST

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>365.71</u>	Hours
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Unit cost:	<u>\$1.109</u>	/LCY	Total job cost:	<u>\$382,181.84</u>
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BULLDOZER WORK

Task description: Grade banks of the eastern pond to 3H:1V 5000ft shoreline

Site: Midwestern Farms Permit Action: April 2014 Inspection Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None
Date: 4/21/2014 County: Prowers Filename: M059-003
User: TOD

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Horsepower: 310
Blade Type: Semi-Universal
Attachment: NA
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$56.69</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$104.03</u>	<u>100</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$37.41</u>	<u>NA</u>

Total unit Cost/Hour: \$198.13
Total Fleet Cost/Hour: \$198.13

MATERIAL QUANTITIES

Initial Volume: 10,000
Swell factor: 1.230
Loose volume: 12,300 LCY

Source of estimated volume: 5000 ft of shoreline Slopes roughly 1H:0.5V H:6 feet
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -15 %
Average site altitude: 3,400 feet

Material weight: 2,100 lbs/LCY

Weight description: Earth - Loam

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	<u>0.900</u>	<u>(AB.AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(SLOT)</u>

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.0436

Adjusted unit production: 1,461.04 LCY/hr

Adjusted fleet production: **1461.04** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.136/LCY

Total job time: **8.42** Hours

Total job cost: **\$1,668.00**

BULLDOZER RIPPING WORK

Task description: Rip plant area

Site: Midwestern Farms Permit Action: April 2014 Inspection Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 004 State: Colorado Abbreviation: None
Date: 4/21/2014 County: Prowers Filename: M059-004
User: TOD

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$63.00	NA
Operating Cost/Hour:	\$104.03	100
Ripper Operating Cost/Hour:	\$6.53	100
Operator Cost/Hour:	\$37.41	NA
Total Unit Cost/Hour:	\$210.98	
Total Fleet Cost/Hour:	\$210.98	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 40.00 acres Rip Depth (ft): 2.00 Volume: 129,067 BCY or CCY

Source of estimated quantity: DRMS estimate modifying AM06 Exhibit L

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.56 mph
Average Ripping Width: 7.08 degrees
Average Ripping Length: 999.00 feet
Average Dozer Speed: 88.00 feet
Average Maneuver Time: 0.25 feet
Production per unit area: 0.840 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.840 Acres/hr
Site Altitude: 3,400 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.70 Acres/hr
Adjusted Hourly Fleet Production: 0.70 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 57.39 Hours

Unit cost: \$302.722 Per acre Total job cost: \$12,109.00

SCRAPER TEAM WORK

Task description: Replace 1.5 feet of topsoil over 178 acres

Site: Midwestern Farms Permit Action: April 2014 Inspection Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 005 State: Colorado Abbreviation: None
Date: 4/21/2014 County: Prowers Filename: M059-005
User: TOD

Agency or organization name: DRMS

HOURLY EQUIPMENT

COST Shift basis: 1 per day

	Equipment Description
-Scraper:	Cat 657G
-Dozer:	NA
Support Equipment -Load Area:	NA
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 14M
-Water Truck:	Water Tanker, 3,500 Gal.

<u>Cost Breakdown:</u>	Scraper Work Team		Support Equipment		Maintenance Equipment	
	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	NA	50	50	50
Ownership cost/hour:	\$121.28	NA	NA	\$63.00	\$37.98	\$10.68
Operating cost/hour:	\$286.51	NA	NA	\$52.02	\$33.87	\$18.12
Ripper op. cost/hour:	NA	NA	NA	\$3.27	\$0.00	\$0.00
Operator cost/hour:	\$30.02	NA	NA	\$37.41	\$27.55	\$21.17
Unit Subtotals:	\$437.81	NA	NA	\$155.70	\$99.40	\$49.96
Number of Units:	2	0	0	1	1	1
Group Subtotals:	Work:	\$875.62	Support:	\$155.70	Maint:	\$149.36

Total work team cost/hour: \$1,180.68

MATERIAL QUANTITIES

Initial volume: 431,728 CCY Swell factor: 1.115
Loose volume: 481,377 LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Scraper Bowl (volume) Basis:

Material weight:	<u>2,100 lbs/LCY</u>	Struck Volume:	<u>32.00</u>	LCY
Material description:	<u>Earth - Loam</u>	Heaped Volume:	<u>44.00</u>	LCY
Rated Payload:	<u>104,000 pounds</u>	Average Volume:	<u>38.00</u>	LCY
Payload Capacity:	<u>49.52 LCY</u>	Adjusted Capacity:	<u>38.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 3400 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2225.00	-0.50	3.00	2.50	2940	1.03

Haul Time: 1.03 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2225.00	0.50	3.00	3.50	2920	0.93

Return Time: 0.93 minutesTotal Scraper team cycle time: 3.56 minutesAdjusted for job conditions: 531.57 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,063.15 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,063.15 LCY/HourUnadjusted unit production/hour: 640.45 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 452.79 HoursUnit cost: \$1.111 /LCYTotal job cost: \$534,594.34

REVEGETATION WORK

Task description: Revegetation 228.8 acres

Site: Midwestern Farms

Permit Action: April 2014 Inspection

Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 006

State: Colorado

Abbreviation: None

Date: 4/21/2014

County: Prowers

Filename: M059-006

User: TOD

Agency or organization name: DRMS

FERTILIZING

Materials

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

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$98.01
Total Tilling Cost/Acre	\$98.01

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alfalfa - Common	0.50	2.41	\$1.28
Alkali Sacaton	0.10	3.90	\$2.28
Indiangrass - Holt	4.70	14.33	\$43.19
Blue Grama - Native	0.35	5.71	\$3.62
Buffalograss - Native/Plains	1.00	0.96	\$13.46
Little Bluestem - Native	1.20	7.16	\$17.14
Sideoats Grama - Butte	0.50	1.64	\$5.57
Sandberg Bluegrass - VNS	0.20	4.25	\$1.74
Milk Vetch, Cicer - Monarch	0.70	2.33	\$3.58
Western Wheatgrass - Native	0.50	1.26	\$1.52
Sunflower (or daisy), Oxe-eye	0.70	1.95	\$28.60

Totals Seed Mix	10.45	45.91	\$121.97
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Application

Description	Cost /Acre
Drill seeding (DRMS Cost Data)	\$88.20
Total Seed Application Cost/Acre	\$88.20

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulch Materials Cost/Acre				\$530.00

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$65.89
Power mulcher (MEANS 32 91 13.16 0250)	\$86.68
Total Mulch Application Cost/Acre	\$152.57

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres:	228.8	Cost /Acre:	\$990.75
Estimated Failure Rate:	50%	Cost /Acre*:	\$210.17
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost:	\$226,683.60		
Reseeding Job Cost:	\$24,043.45		
Total Job Cost:	\$250,727.05		
Job Hours:	455.00		

REVEGETATION WORK

Task description: Plant trees 20 acres

Site: Midwestern Farms

Permit Action: April 2014 Inspection

Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 007
Date: 4/21/2014
User: TOD

State: Colorado
County: Prowers

Abbreviation: None
Filename: M059-007

Agency or organization name: DRMS

FERTILIZING

Materials

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

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /Acre
	\$

Total Seed Application Cost/Acre	\$0.00
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MULCHING and MISCELLANEOUS**Materials**

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

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Buffaloberry, Russet	50	Tubling, 3 cu. in. container (MEANS)	\$0.96	\$0.00	\$48.00
Chokecherry	50	Tubling, 3 cu. in. container (MEANS)	\$0.96	\$0.00	\$48.00
Cottonwood, Plains	20	Bare root seedling, 11-16 inch ht. (MEANS)	\$1.62	\$0.00	\$32.40
Hackberry, Common	20	Bare root seedling, 11-16 inch ht. (MEANS)	\$1.62	\$0.00	\$32.40
Pine, Ponderosa	20	Bare root seedling, 11-16 inch ht. (MEANS)	\$1.62	\$0.00	\$32.40
Willow, Sandbar	20	Bare root seedling, 11-16 inch ht. (MEANS)	\$1.62	\$0.00	\$32.40
Rose, Wood's	50	Tubling, 3 cu. in. container (MEANS)	\$0.96	\$0.00	\$48.00
Saltbush, Four Wing	50	Tubling, 3 cu. in. container (MEANS)	\$0.96	\$0.00	\$48.00
Sumac, Smooth	50	Tubling, 3 cu. in. container (MEANS)	\$0.96	\$0.00	\$48.00
Totals Nursery Stock Cost / Acre					\$369.60

JOB TIME AND COST

No. of Acres:	20	Cost /Acre:	\$369.60
Estimated Failure Rate:	50%	Cost /Acre*:	\$369.60
*Selected Replanting Work Items:	NURSERY		

Initial Job Cost:	\$7,392.00
Reseeding Job Cost:	\$3,696.00
Total Job Cost:	\$11,088.00
Job Hours:	80.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mobilization Demobilization of equipment**

Site: Midwestern Farms Permit Action: April 2014 Inspection Permit/Job#: M1993059

PROJECT IDENTIFICATION

Task #: 008 State: Colorado Abbreviation: None
Date: 4/21/2014 County: Prowers Filename: M059-008
User: TOD

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER
(25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	\$63.00	\$125.45	2	\$376.91	\$250.90	\$500.00
Cat 657G	78.88	\$121.28	\$125.45	2	\$493.47	\$250.90	\$500.00
CAT 14M	23.57	\$41.37	\$88.67	1	\$130.04	\$88.67	\$250.00
Cat 773F	49.74	\$60.64	\$117.55	2	\$356.38	\$235.10	\$500.00
CAT 990H high lift	97.95	\$112.96	\$125.45	1	\$238.41	\$125.45	\$250.00

Subtotals:

\$1,595.21	\$951.02	\$2,000.00
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ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 3,500 Gal.	\$68.08	1	\$68.08	\$68.08

Subtotals:

\$68.08	\$68.08
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Mobilization Worksheet Cont'd

Task # 008

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>LAMAR</u>	
Total one-way travel distance:	<u>30.00</u>	miles
Average Travel Speed:	<u>55.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$19,539.39</u>
* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$74.27</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.55</u>	<u>0.55</u>
Return Time (Hours):	<u>0.55</u>	<u>0.55</u>
Loading Time (Hours):	<u>2.00</u>	<u>NA</u>
Unloading Time (Hours):	<u>2.00</u>	<u>NA</u>
Subtotals:	<u>5.09</u>	<u>1.09</u>

JOB TIME AND COST

Total job time: 10.18 Hours

Total job cost: \$19,613.66

Exhibit E - Reclamation Plan (continued)

Agricultural Area Seed Mix

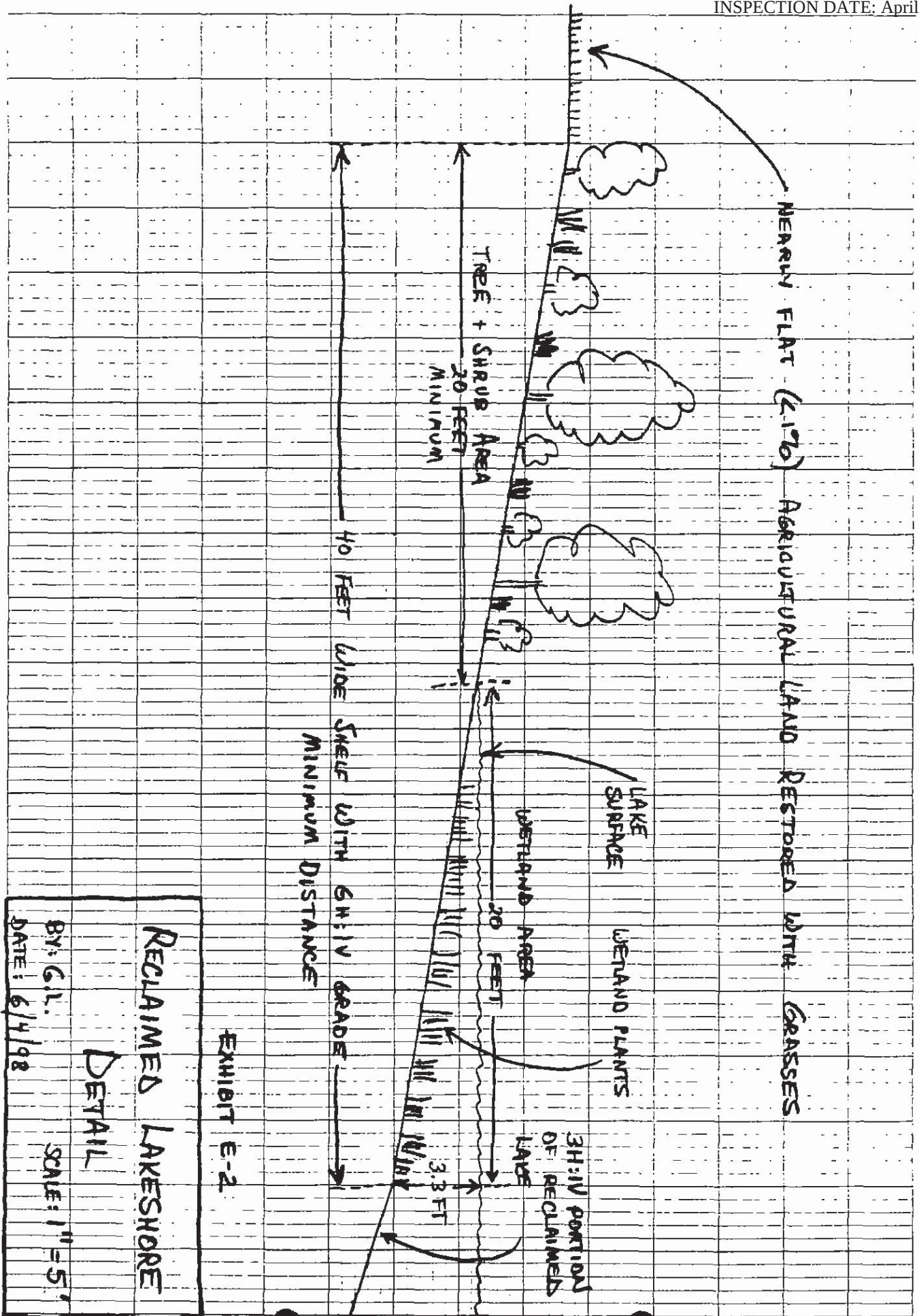
	<u>lbs. PLS/</u> acre	<u>Seeds/</u> ft ²	Percent of mix/ft ²
Buffalograss	1.0	1	.7
Blue grama grass	0.35	6	4.6
Alkali sacaton	0.1	4	3.1
Little bluestem	1.2	6	4.6
Sandberg bluegrass	0.2	4	3.1
Cicer milkvetch	0.7	2	1.6
Western Wheatgrass	0.5	3	2.3
Side Oats Grama	0.5	8	6.2
Switchgrass	4.9	47	36.2
Indiangrass	4.7	48	37.0
Alfalfa	0.5	0.4	0.3
Native Sunflower	0.7	0.4	0.3
Totals	14.95	129.8	100.0

Seeding time will be late fall or early winter when the soil is dry and cold and the seeds will remain dormant until they are able to take advantage of spring moisture. Mulching with weed-free straw, manure, or grass hay will be used to protect the soil surface following seeding. The mulch rate will be 2 tons per acre. Changes were made to the seed mix to incorporate recommendations of the Division of Wildlife.

Tree/Shrub Planting

In order to establish a more diverse habitat for wildlife and waterfowl, tree and shrub planting will be introduced along the shores of the lakes. In cooperation with the Colorado Division of Wildlife, the following list of plant material has been selected for wildlife habitat.

Figure 5. Reclamation lakeshore detail map, as provided in the approved Reclamation Plan for the Midwestern Farms operation (DRMS File No. M-1993-059).



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Exhibit E - Reclamation Plan (continued)

TREES			
<u>Common Name</u>	<u>Botanical Name</u>	<u>Size</u>	<u>Remarks</u>
Lacebark Elm	Ulmus parifolia	10-30"	Seedling/BR
Hackberry	Celtis Occidentalis	10-30"	Seedling/BR
Hybrid Cottonwood	Populus deltoides var.' noreaster	10-30"	Seedling/BR
Golden Willow	Salix alba vitellina	10-30"	Seedling/BR
Eastern Red Cedar	Juniperus virginiana	5-12"	Seedling/BR
Ponderosa Pine	Pinus ponderosa	5-12"	Seedling/BR

SHRUBS			
<u>Common Name</u>	<u>Botanical Name</u>	<u>Size</u>	<u>Remarks</u>
Chokecherry	Prunus virginiana	5-12"	Seedling/1" pot
American Plum	Prunus americans	5-12"	Seedling/1" pot
Qual Bush (sumac)	Rhus trilobata	5-12"	Seedling/1" pot
Serviceberry	Amelanchier alnifolia	5-12"	Seedling/1" pot
Buffalo Berry	Shepherdia agrentea	5-12"	Seedling/1" pot
Woods Rose	Rosa woodsii	5-12"	Seedling/1" pot
Fourwing Saltbush	Artiplex canscens	5-12"	Seedling/1" pot

The tree/shrub saplings/seedlings to be planted will mainly be placed along the reclaimed shoreline in areas of 2/10 acre utilizing numerous short rows instead of fewer, longer rows. In-row spacing between shrubs will be less than 8 feet and between row spacing will be less than 10 feet. One of these 2/10 acre thicket areas will be used for each 1.5 acres of the upper shelf areas. Since the shelves are 40 feet wide, the upper shelf width (above water) is 20 feet wide. This provides for 13.3% of the upper shelf areas planted with shrub/tree thickets. The remaining upper shelf areas will be seeded with 50% grass mix described above and 50% wetland mix described below.

Exhibit E - Reclamation Plan (continued)

A tree/shrub nursery or holding area could be established on-site to provide plant material for reclamation of the lake areas which will become future wildlife habitat. Seedlings for spring planting can also be obtained from the Colorado State Forest Service in quantities large enough to revegetate a lake area in one planting.

Seeding of Wetland Areas

In conjunction with the grass seeding and tree/shrub planting, wetland species will be introduced along the shoreline of the proposed lakes once final grading has been accomplished. An underwater terrace area of approximately 20 feet wide immediately along the edge of each lake shoreline will allow for public safety as well as an area for introduction of wetland plants. This area will be a section of shelf approximately installed at a grade of 6:1. See Exhibit E-2 of this section.

The following list of wetland species should be introduced along the shorelines:

WETLAND PLANT LIST		
<u>Common Name</u>	<u>Botanical Name</u>	<u>Remarks</u>
Dwarf Spikerush	Eleocharis parula	Tuber/root/rhizome
Arrowhead	Sagittaria latifolia	Tuber/root/rhizome
Marsh Smartweed	Polygonum muhlengbergii	Tuber/root/rhizome
Bullrush	Scirpus americanus	Tuber/root/rhizome or Seed
Soft Rush	Juncus effusus	Tuber/root/rhizome
Canary Reed Grass		Seed

The plants will be introduced in the 20 feet wide underwater part of the shallow shelf as shown on Exhibit E-2 and will comprise 50% of the seed mix for the upper (above water) part of the shelf that contains the shrub/tree thickets.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- PB	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- PB	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

Joe C. Baxter
Midwestern Farms Resource dba Eastern Colorado Aggregates
P.O. Box 580
Rye, CO 81069

Enclosure:

CC: Tony Waldron, DRMS
Tom Kaldenbach, DRMS
Tyler O'Donnell, DRMS



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY

1313 Sherman Street, Room 215, Denver, Colorado 80203 ph(303) 866-3567

REQUEST FOR FULL OR PARTIAL RELEASE OF PERMIT AREA

Please indicate if you are requesting:

FULL/FINAL RELEASE OF ENTIRE PERMITTED AREA ☐

ACREAGE REDUCTION (PARTIAL RELEASE) ☒

If you are requesting an acreage reduction, you will need to specify how many acres you wish to remove from the existing permit under this revision. I wish to release _____ acres at this time. You will also need to submit updated mining and reclamation plan maps that accurately depict both the proposed acreage to be released from the current permit area, and the resulting new permit boundary.

File No.: M- _____ Site Name: _____

County: _____

Permittee: _____

Operator (If Other than Permittee): _____

Permittee Representative: _____

Certified Mail# _____

In accordance with Rule 4.17.1(2) the Operator shall include the names, addresses and phone numbers of all owners of record to the affected land. Please attach additional sheets for this information if required.

In accordance with Rule 4.17.1(4) the Operator or their agent MUST sign that they have complied with the following statement: "All applicable portions of the Reclamation Plan requirements have been satisfied in accordance with these Rules and all applicable requirements under the Act."

Signature of Permittee, Operator or their authorized agent

Date

Important: In accordance with Rule 4.17.1(3) This release request must be submitted to the Division via certified mail and separate from any other correspondence to the Division.