

AN APPLICATION FOR A PERMIT TO CONDUCT COAL SURFACE MINING AND RECLAMATION ACTIVITIES AT THE TRAPPER MINE IN MOFFAT COUNTY, COLORADO

**SUBMITTED BY
TRAPPER MINING INC.
C-1981-010**

| | |
|-------------------|----------------------|
| Submitted: | January 1981 |
| Renewal: | February 1987 |
| Renewal: | February 1993 |
| Renewal: | January 1998 |
| Renewal: | January 2003 |
| Renewal: | July 2008 |
| Renewal: | July 2013 |
| Renewal: | November 2017 |
| Renewal: | February 2023 |

CONTENTS:

Appendix W 2023 Annual Report

VOLUME LIII



Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for Calendar Year – 2023

| | | |
|-----------------------------|---------------|---------------------|
| Trapper Mine | C-1981-010 | Trapper Mining Inc. |
| Mine Name | Permit Number | Permittee |
| PO Box 187, Craig, CO 81626 | | |
| Address | | |

This report, required by Rule 2.04.13, is due by February 15 of each year, or other date, as agreed upon by the Division. It should include text, discussion, and maps, at a minimum, in addition to any other reclamation monitoring data as required by the approved permit. The location of the acreage reported under each land status category and year of seeding (if applicable) should be clearly identified on a map included with the report.

| Land Category | Last Year's Cumulative Total (from last year's ARR) | This Calendar Year | | | Cumulative Total |
|---|--|--------------------|----------------------|---|------------------|
| | | Acres Added (+) | Acres Subtracted (-) | | |
| Acreage in Active Mining Areas ¹ | 1,430.8 | 324.2 | 329.6 | = | 1,425.4 |

| Land Category | Last Year's Cumulative Total (from last year's ARR) | This Calendar Year | | | Cumulative Total |
|------------------------------|--|--------------------|----------------------|---|------------------|
| | | Acres Added (+) | Acres Subtracted (-) | | |
| Acres Disturbed ² | 6,900.6 | 328.9 | 261.3 | = | 6,968.2 |
| Acres Backfilled and Graded | 4,690.9 | 329.6 | 260.0 | = | 4,759.2 |
| Acres Topsoiled | 4,690.9 | 275.0 | 260.0 | = | 4,704.6 |

| Acreage in Long-term Facilities ³ | Last Year's Cumulative Total (from last year's ARR) | This Calendar Year | | | Cumulative Total |
|--|--|--------------------|----------------------|---|------------------|
| | | Acres Added (+) | Acres Subtracted (-) | | |
| Non-Permanent Facilities | 679.5 | 4.7 | 0.0 | = | 684.2 |
| Permanent Facilities (permitted) | 99.4 | 0.0 | 0.0 | = | 99.4 |
| Totals | 778.9 | | | = | 783.6 |

| Acres Seeded (permanent) | Last Year's Cumulative Total (from last year's ARR) | This Calendar Year | | | Cumulative Total |
|--------------------------|--|--------------------|----------------------|---|------------------|
| | | Acres Added (+) | Acres Subtracted (-) | | |
| 9 Years and Less | 613.0 | 66.4 | 120.3 | = | 559.1 |
| 10 Years and Greater | 4,077.9 | 120.3 | 261.3 | = | 3,936.9 |
| Totals | 4,690.9 | | | = | 4496.0 |

| Bond Release | Last Year's Cumulative Total (from last year's ARR) | This Calendar Year | | | Cumulative Total |
|--------------------|--|--------------------|----------------------|---|------------------|
| | | Acres Added (+) | Acres Subtracted (-) | | |
| Phase I Released | 4,527.6 | 4.7 | 261.3 | = | 4,271.0 |
| Phase II Released | 4,232.9 | 0 | 261.3 | = | 3,971.6 |
| Phase III Released | 3,805.5 | 0 | 260.0 | = | 3,545.5 |

¹Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

²Surface Mine Acres Disturbed = B&G + Long-Term Facilities + Active Mining Areas; Underground Mine Acres Disturbed = B&G + Long-Term Facilities; Separately-permitted Loadouts = B&G + Long-Term Facilities

³Includes haul, access and light-use roads, temporary dams and impoundments; permanent dams and impoundments; diversion and collector ditches, water and air monitoring sites; topsoil stockpiles; overburden stockpiles; repair, storage and construction areas; office area, repair shops, and parking; coal stockpiles, loading, and processing areas; railroads; coal conveyors; refuse piles and coal mine waste impoundments; head-of-hollow fills; valley fills; ventilation shafts and entryways; and non-coal waste disposal area (garbage dumps and coal combustion by-products disposal areas).

Annual Reclamation Report Instructions

The Annual Reclamation Report (ARR) form has been designed to aid in the tracking of disturbed acres as they progress through the reclamation process. The rows are arranged so that the initial disturbed acres are entered at the top of the page and the acres will progress down through the rows to final bond release at the bottom.

Note: The “Last Year’s Cumulative Total” columns need to have the values entered from the previous year’s ARR “Cumulative Total” columns. This ensures accuracy from year to year.

Land Category –

Acreage in Active Mining Areas – This section applies only to surface mines. It does not apply to underground mines nor to separately-permitted loadouts. Footnote 1 on the ARR form describes Active Mining Areas as pits, topsoil stripped areas in advance of pits and spoil not backfilled and graded.

Land Category –

Acres Disturbed – This is the total number of acres that have been disturbed by surface coal mining and reclamation operations for this permit number, regardless of name changes, bond releases and changes to the permit boundary. The subtraction column is for tracking acres transferred to another permit or corrections associated with record keeping and mapping. Do not subtract acres where Phase III bond release was achieved. A formula is shown in footnote 2 on the ARR form for surface and underground mines that explains how this value is determined.

Acres Backfilled and Graded – This is the total number of acres that have been backfilled and graded to the approved post-mining topography. The subtraction column is for tracking acres transferred to another permit, acres re-disturbed or corrections associated with record keeping and mapping. Do not subtract acres where Phase III bond release was achieved.

Acres Topsoiled – This is the total number of acres that have been topsoiled in advance of seeding with approved permanent seedmixes. Do not enter acres for topsoiled out slopes of pond embankments, topsoiled out slopes of road embankments, or topsoiled out slopes of cut-and-fill facility pads. The subtraction column is for tracking acres transferred to another permit, acres re-disturbed or corrections associated with record keeping and mapping. Do not subtract acres where Phase III bond release was achieved.

Acreage in Long-term Facilities –

Non-Permanent Facilities – This is the total number of acres that have a facility listed in Footnote 3 at the bottom of the ARR form that has not been approved in the permit to remain as permanent.

Permanent Features – This is the total number of acres that have a facility listed in Footnote 3 at the bottom of the ARR form that has been approved in the permit to remain as permanent. If the feature is intended to be permanent but has not been approved as permanent through a permitting action (TR, PR, etc.), then it is not considered permanent.

Acres Seeded –

The acres seeded rows are for permanently seeded acres. Do not enter temporary seeding of topsoil piles, cover crops, embankment stabilization, etc.

Acres that were seeded during the current reporting year are entered in the “9 Years and Less” row.

When a parcel becomes seeded for 10 years or greater, subtract the acres from the “9 Years and Less” row and add it to the “10 Years or Greater” row.

The subtraction column in the “10 Years or Greater” row is for tracking acres transferred to another permit, acres re-disturbed or corrections associated with record keeping and mapping. Do not subtract acres where Phase III bond release was achieved.

Bond Release –

This is the total number of acres that have achieved Phase I, II or III bond release for this permit number, regardless of name changes and changes to the permit boundary.

Acres are added to these categories after DRMS’ proposed decision becomes final (issuance).

The subtraction column is for tracking acres transferred to another permit, acres re-disturbed or corrections associated with record keeping and mapping. Do not subtract acres where Phase III bond release was achieved.

Objective – The “Cumulative Total” value in each of these rows will be the same as the value in “Acres Disturbed – Cumulative Total” when the mine achieves final bond release.

SECTION 1.0

ANNUAL RECLAMATION REPORT



C-1981-010

SECTION 1.0 2023 Annual Reclamation Report

As specified by the revisions (1/3/90) to 2CCR 407-2, 2.04.13, Trapper Mine is submitting an Annual Reclamation Report for the previous calendar year (2023).

Historically, section 3.5.3 of Trapper's mining and reclamation permit required a reclamation map be submitted to the CDRMS annually by March 15. Subsequent to 1988 the map entitled the "Postmine Contour Map" was changed to "Reclamation Map." The reclamation maps developed from aerial photographs taken during the previous fall shows pit advancements, recontoured spoil areas and a historical account of the previously regraded areas for the year.

The 2023 reclamation map is a composite of the aerial photographs taken by drone during 2023, and shows the reclamation performed during 2023 for all areas under bond. Map(s) 1 show the aerial extent and location of disturbed acres, graded acres, topsoiled acres and perennial seeded acres during 2023. It also shows the location, aerial extent and reclamation year of all previously revegetated areas, as well as the actual and projected mature shrub clump establishment areas, topsoil stripping areas and laydown areas for 2023.

1.1 Permittee Identification

The Permittee for this annual reclamation report is:

Trapper Mining Inc.
P.O. Box 187
Craig CO 81626
Permit No. C-1981-010

1.2 Results

Table 1.1 and Map(s) 1 show the 2023 reclamation results. The various reclamation stages are addressed below in separate subsections.

1.2.1 Disturbed Acres

In 2023, Trapper disturbed 328.9 acres in the C Pit, D Pit, I Pit, J Pit and L Pit areas. Disturbance consisted of some re-disturbance of Phase III Bond released lands in the former D Pit area for topsoil pile retrieval and reclamation tie in. Re-disturbance also occurred in the I Pit and J Pit areas of the former A Pit reclamation for pit advancement. Extensive re-disturbance occurred in the former B and C Pit reclamation areas for development of the C Pit HWM pit. Unfortunately this pit will not be further developed at this time and the topsoil stripping that occurred will have to be reclaimed in the future. Re-disturbance also occurred in the former H Pit area to re-establish a dragline walkroad back the western panel of the mine. The remaining disturbance was in L Pit for pit advancement. Table 1.2 documents acres re-disturbed and the bond release status of each.

1.2.2 Backfilled and Graded Acres

Trapper completed backfill and grading on 329.6 acres in 2023 to final contour (AOC). The majority of the D Pit area was completed. Only the haulroad for that pit remains to be regraded. The eastern portion of the I Pit was also regraded, as was a portion of the dragline walkroad reestablished in the H Pit area.

1.2.3 Topsoiled Acres

Trapper re-topsoiled 239.3 acres in 2023 to final contour (AOC). Topsoil was placed in the D Pit, I Pit and walkroad areas. A small portion of the regraded area in the D Pit reclamation parcel was not topsoiled in 2023; it will be completed in 2024, as will the remainder of the dragline walkroad.

1.2.4 Seeded Acres

Trapper seeded 66.4 acres to the permanent vegetation mixture in 2023 to final contour (AOC). The majority of the D pit topsoiled area was not seeded to the permanent seed mix in 2023. The area will be aerial seeded with an annual grass mix in the spring of 2024 to first stabilize the area and help to rejuvenate the topsoil. The topsoil used on this parcel has been stored since the late 1970's and is likely to be lacking a significant micro-organic biome. The permanent seed mixture will be placed in the fall of 2024, with the permanent aerial mix added in the spring of 2025.

1.2.5 Cultural Practices

In 2023 Trapper also conducted several other cultural practices. These practices are addressed below.

Drainage Reconstruction

Refer to Section 3.0 of this annual report.

Contour Ditch Construction

During 2023, Trapper did not construct any contour ditches.

Stock Tank Construction

No new Stock Tanks were constructed during the 2023 field season. Refer to Section 6.

Stock Tank Reclamation

No Stock Tanks were reclaimed during the 2023 field season. Refer to Section 6.

Developmental Drill Sites

During the 2023 Developmental Drilling season 7 holes were drilled within the permit boundary. Drill holes were completed in the I Pit area. All applicable developmental drill holes were abandoned per permit section 3.3.2 and will be reclaimed and seeded per section 3.6.3.5 of the permit. Drill hole abandonment typically uses Alternative 2 for sealing of the borehole.

Topsoil Piles

During 2023 piles D97-1 and E78-2 were nearly depleted for topsoil laydown in D Pit. Piles D1-07, E78-1, E79-4, E79-22A and E87-12 were entirely depleted for topsoil laydown in the D Pit area. Pile I-20-1 was depleted for laydown in the eastern I-Pit area. Piles CG1, MH2 and L21-3 had additional topsoil added to them from stripping operations. Trapper also constructed seven new topsoil piles. Topsoil piles C23-1, C23-2, C23-3 and C23-4 in the C Pit area; piles D23-1 and D23-2 in the D Pit area and L23-1 in the L Pit area. Piles J22-1, J22-2, J22-3A and J22-3B were moved for pit advancement to pile CG-1. Two small piles were also constructed adjacent to the newly constructed East and West Buzzard ponds in the NW corner of the permit area. Refer to Section 5.

Sediment Dams

Sediment ponds Middle Pyeatt #1 and East Pyeatt #1 were cleaned of all sediment and Johnson #10 was partially cleaned and aquatic vegetation removed in 2023. New Sediment ponds East Buzzard #3 and West Buzzard #4 were constructed in the northwest corner of the permit area during the summer of 2023.

1.2.6 Previously Revegetated Acres

The locations and acres for all previously revegetated areas, seeded to perennial species, are presented in Map(s) 1. To date, Trapper has revegetated approximately 4,496.0 acres. Of the total revegetated acres, 3,545.5 reclaimed acres have received final phase III bond release. The phase III total includes 260.0 acres of re-disturbance in C,D, I and J Pit areas during 2023.

Not shown on Map(s) 1 in this annual report are the areas seeded to temporary perennial mixes that will require final reclamation prior to the end of the project (life of mine).

1.2.7 Re-Disturbed Reclamation Acres

The parcel identification and acres re-disturbed due to mining activities for all previously revegetated areas will be documented here. Table 1.2 shows acres re-disturbed and summarizes the bond release status of each parcel. C,D, I and J Pit development resulted in 261.3 total acres of re-disturbance in 2023.

Table 1.1. Reclamation Summary for Trapper Mine (2023).

| | Ashmore Pit | Derringer Pit | C Pit | L Pit | Z Pit | F Pit | N Pit | I Pit | J Pit | Non-pit Areas | Total |
|------------------------------------|----------------|------------------|----------|----------|----------|----------|----------|----------|----------|------------------|-------|
| <u>New Disturbance Acres</u> | | | | | | | | | | | |
| Topsoil Strip Areas | | 19.7 | 172.5 | 31.9 | | | | 1.5 | 69.7 | 33.6 | 328.9 |
| Topsoil Pile Areas | | | | | | | | | | | |
| Total | 0.0 | 19.7 | 172.5 | 31.9 | 0.0 | 0.0 | 0.0 | 1.5 | 69.7 | 33.6 | 328.9 |
| <u>Backfilled and Graded Areas</u> | | | | | | | | | | | |
| | | 293.9 | | | | | | 21.4 | | 14.3 | |
| Total | 0.0 | 293.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.4 | 0.0 | 14.3 | 329.6 |
| <u>Topsoil Replacement Areas</u> | | | | | | | | | | | |
| | | 239.3 | | | | | | 21.4 | | 14.3 | |
| Total | 0.0 | 239.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.4 | 0.0 | 14.3 | 275.0 |
| <u>Vegetated (Seeded) Acres</u> | | | | | | | | | | | |
| Range Sites A&B | | 30.7 | | | | | | | | | 30.7 |
| Range Site C | | | | | | | | 21.4 | | 14.3 | 35.7 |
| Perennial Haycrop | | | | | | | | | | | |
| Temporary* | | | | | | | | | | | |
| Total | 0.0 | 30.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.4 | 0.0 | 14.3 | 66.4 |

* Includes topsoil piles, diversion ditches, sediment ponds, drill pads, drainageways, and other temporarily reclaimed lands.

Table 1.2. Re-Disturbed Reclamation Summary for Trapper Mine (2023).

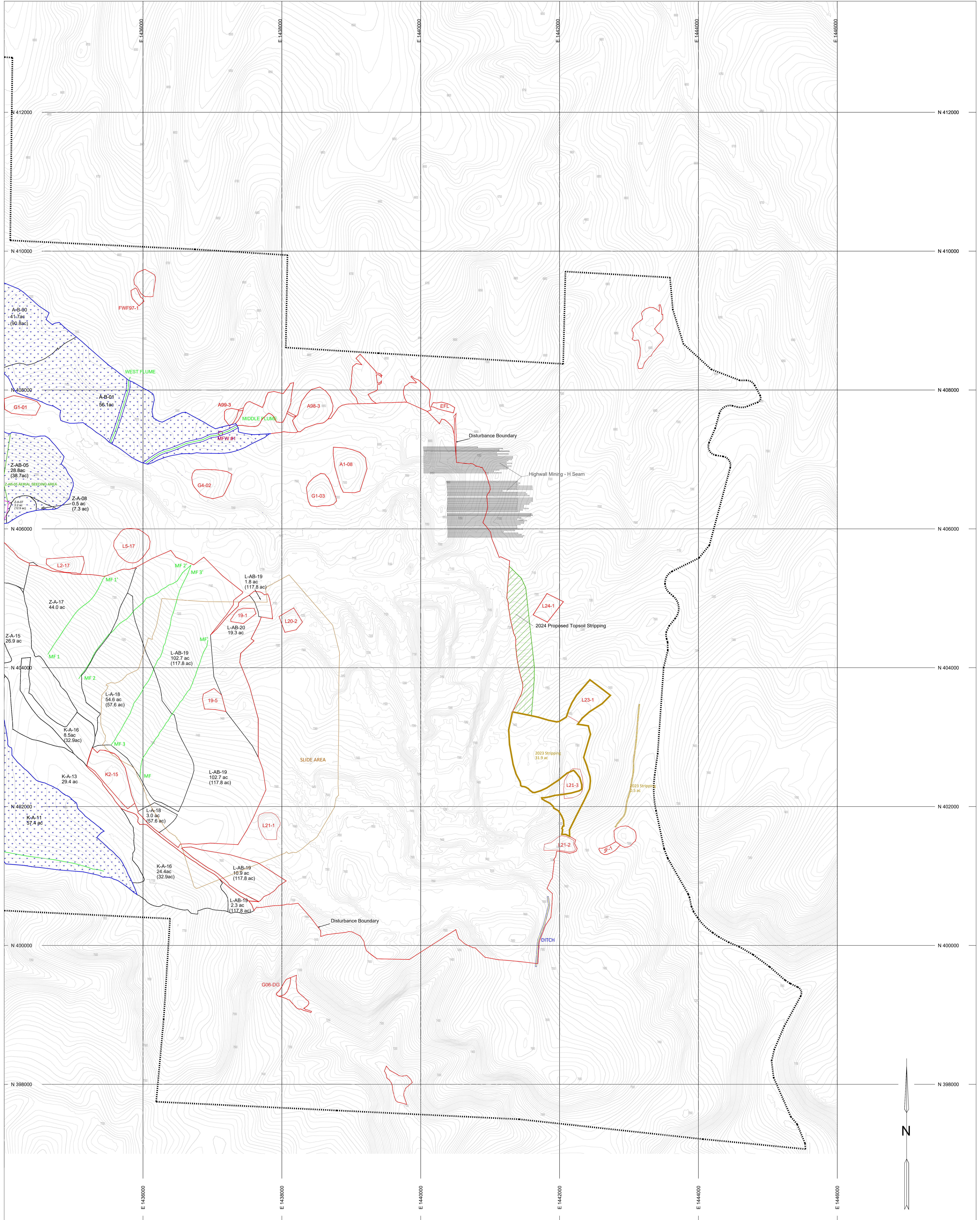
Page 1

| Parcel | Year | Re-Disturbed Acres | Bond Release Status | | | Yearly Total |
|---------|------|--------------------|---------------------|----------|-----------|--------------|
| | | | Phase I | Phase II | Phase III | |
| H-B-94 | 2001 | 8.5 | 8.5 | 8.5 | - | 8.5 |
| A-C-86B | 2007 | 1.6 | 1.6 | 1.6 | 1.6 | |
| A-B-86 | 2007 | 4.3 | 4.3 | 4.3 | 4.3 | |
| A-A-00 | 2007 | 4.7 | - | - | - | |
| Z-AB-05 | 2007 | 2.6 | - | - | - | 13.2 |
| A-B-98 | 2008 | 5.0 | 5.0 | - | - | |
| A-B-00 | 2008 | 3.1 | 3.1 | 3.1 | - | |
| A-B-98 | 2008 | 0.2 | 0.2 | - | - | 8.3 |
| Z-AB-05 | 2009 | 0.3 | 0.3 | - | - | |
| Z-AB-06 | 2009 | 0.1 | 0.1 | - | - | |
| Z-A-07 | 2009 | 0.8 | 0.8 | - | - | |
| Z-A-08 | 2009 | 0.5 | - | - | - | 1.7 |
| Z-AB-05 | 2011 | 0.9 | 0.9 | - | - | 0.9 |
| F-AB-04 | 2012 | 2.2 | 2.2 | 2.2 | - | |
| F-AB-05 | 2012 | 0.6 | 0.6 | 0.6 | - | |
| F-AB-06 | 2012 | 1.8 | 1.8 | 1.8 | - | |
| F-AB-07 | 2012 | 2.0 | 2.0 | - | - | |
| F-AB-08 | 2012 | 0.7 | 0.7 | - | - | |
| F-AB-09 | 2012 | 0.4 | - | - | - | |
| F-AB-11 | 2012 | 0.7 | - | - | - | 8.4 |
| A-B-94 | 2014 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| A-C-95 | 2019 | 0.4 | 0.4 | 0.4 | 0.3 | |
| A-B-95 | 2019 | 4.0 | 4.0 | 4.0 | 3.9 | |
| A-B-96 | 2019 | 13.7 | 13.7 | 13.7 | 13.7 | |
| A-B-97 | 2019 | 12.6 | 12.6 | 12.6 | 12.6 | |
| A-B-98 | 2019 | 17.0 | 17.0 | 17.0 | 17.0 | |
| A-B-99 | 2019 | 26.7 | 26.7 | 26.7 | 26.7 | |
| A-B-00 | 2019 | 2.8 | 2.8 | 2.8 | 2.8 | 77.2 |
| A-C-87A | 2020 | 4.7 | 4.7 | 4.7 | 4.7 | |
| A-B-94 | 2020 | 74.0 | 74.0 | 74.0 | 74.0 | |
| A-C-94 | 2020 | 2.8 | 2.8 | 2.8 | 2.6 | |
| A-C-95 | 2020 | 17.3 | 17.3 | 17.3 | 14.9 | |
| A-B-95 | 2020 | 25.3 | 25.3 | 25.3 | 25.1 | |
| A-B-96 | 2020 | 5.0 | 5.0 | 5.0 | 5.0 | |
| A-B-97 | 2020 | 5.2 | 5.2 | 5.2 | 5.2 | |
| A-B-98 | 2020 | 8.2 | 8.2 | 8.2 | 8.2 | |
| A-B-99 | 2020 | 16.1 | 16.1 | 16.1 | 16.1 | |
| A-B-00 | 2020 | 14.3 | 14.3 | 14.3 | 14.3 | |
| A-B-09 | 2020 | 1.4 | 1.4 | 1.4 | - | |
| F-AB-05 | 2020 | 0.3 | 0.3 | 0.3 | 0.3 | |
| H-B-98 | 2020 | 2.2 | 2.2 | 2.2 | 2.2 | |
| H-C-04 | 2020 | 6.1 | 6.1 | 6.1 | 6.1 | 182.9 |
| A-C-94 | 2021 | 0.6 | 0.6 | 0.6 | 0.5 | |
| A-C-95 | 2021 | 5.6 | 5.6 | 5.6 | 5.1 | 6.2 |
| A-C-82 | 2022 | 0.9 | 0.9 | 0.9 | 0.9 | |
| A-C-86A | 2022 | 0.3 | 0.3 | 0.3 | 0.3 | |
| A-C-87 | 2022 | 9.3 | 9.3 | 9.3 | 9.3 | |
| A-C-87A | 2022 | 11.5 | 11.5 | 11.5 | 11.5 | |
| A-C-05 | 2022 | 4.5 | 4.5 | 4.5 | 4.5 | |
| CR-82 | 2022 | 18.4 | 18.4 | 18.4 | 18.4 | |
| CR-84A | 2022 | 0.5 | 0.5 | 0.5 | 0.5 | |
| E-A-86 | 2022 | 2.4 | 2.4 | 2.4 | 2.0 | |
| E-A-87 | 2022 | 4.2 | 4.2 | 4.2 | 4.2 | |
| E-AB-08 | 2022 | 4.9 | - | - | - | 56.9 |

Table 1.2. Re-Disturbed Reclamation Summary for Trapper Mine (2023).Cont.
Page 2

| Parcel | Year | Re-Disturbed Acres | Bond Release Status | | | Yearly Total |
|---------|------|--------------------|---------------------|----------|-----------|--------------|
| | | | Phase I | Phase II | Phase III | |
| A-B-91 | 2023 | 1.9 | 1.9 | 1.9 | 1.6 | |
| A-C-82 | 2023 | 20.6 | 20.6 | 20.6 | 20.6 | |
| A-C-86A | 2023 | 0.3 | 0.3 | 0.3 | 0.3 | |
| A-C-87 | 2023 | 7.9 | 7.9 | 7.9 | 7.9 | |
| CR-82 | 2023 | 18.1 | 18.1 | 18.1 | 18.1 | |
| C-C-92 | 2023 | 11.6 | 11.6 | 11.6 | 11.6 | |
| CR-92 | 2023 | 0.2 | 0.2 | 0.2 | 0.2 | |
| C-C-93 | 2023 | 24.3 | 24.3 | 24.3 | 24.3 | |
| CR-93 | 2023 | 81.8 | 81.8 | 81.8 | 81.8 | |
| CR-94 | 2023 | 47.9 | 47.9 | 47.9 | 47.9 | |
| D-B-04 | 2023 | 1.6 | 1.6 | 1.6 | 1.6 | |
| D-C-04 | 2023 | 5.7 | 5.7 | 5.7 | 5.7 | |
| E-A-83 | 2023 | 5.8 | 5.8 | 5.8 | 5.4 | |
| E-A-84 | 2023 | 0.6 | 0.6 | 0.6 | 0.5 | |
| E-A-85 | 2023 | 0.7 | 0.7 | 0.7 | 0.5 | |
| E-B-83 | 2023 | 1.8 | 1.8 | 1.8 | 1.5 | |
| E-B-84 | 2023 | 1.4 | 1.4 | 1.4 | 1.4 | |
| E-B-85 | 2023 | 0.2 | 0.2 | 0.2 | 0.2 | |
| H-C-03 | 2023 | 12.7 | 12.7 | 12.7 | 12.7 | |
| H-C-04 | 2023 | 16.2 | 16.2 | 16.2 | 16.2 | 261.3 |
| | | 626.2 | 612.4 | 602.4 | 579.5 | Total |

* Parcel F-AB-07 modified with SL-24 PHII Bond Release application, previously assumed PHI re-disturbance of 5.1 acres was incorrect.



SC-0-02

2023 RETOPSOILED, NOT REVEGETATED

2023 RETOPSOILED AND REVEGETATED AREA

2023 TOPSOIL STRIPPED, RETOPSOILED AND REVEG

2023 TOPSOIL STRIPPED, RETOPSOILED NO REVEG

EXISTING TOPSOIL STOCKPILE

ASH DUMP STORAGE AREA

2024 PROPOSED TOPSOIL LAYDOWN

2024 PROPOSED TOPSOIL STRIP

2024 PROPOSED TOPSOIL STRIPPING AND LAYDOWN

ACCESS CORRIDORS

EXISTING STOCK POND

EXISTING DOZER BASINS

RECONSTRUCTED DRAINAGES

2023 RECONSTRUCTED DRAINAGES

CONTOUR DITCH

APPROVED PHASE III BOND RELEASED BOUNDARY

AS-BUILT HIGHWALL MINING AREA

PROPOSED TOPSOIL STOCKPILE

1

2

3

SHEET LOCATION INDEX

0 400 800 1200

SCALE: 1 IN = 400 FT

CONTOUR INTERVAL: 10 FEET

Topographic information correlated from aerial photography dated 11/2023.

AutoCAD file: L:\Engineer\Permits\Annual Reports\2023\Map\trm_map_2023.dwg

TRAPPER MINING INC.

TRAPPER MINE

CRAIG, CO.

PERMIT C81-010

2023 ANNUAL RECLAMATION

REPORT MAP

SCALE: 1 in = 400 ft

DESIGNED BY: GCR

DRAWN BY: JMM

DATE: 3/11/24

Sheet 3 of 3

MAP 1

SHEET 3

SECTION 2.0

RESERVED



C-1981-010

SECTION 2.0 Reserved

SECTION 3.0

DRAINAGEWAY RECONSTRUCTION, IMPROVEMENTS AND REPAIRS



C-1981-010

SECTION 3.0 2023 Drainage Reconstruction, Improvement and Repairs at Trapper Mine

3.1 Drainage Reconstruction 1987-2023

At Trapper Mine, all or portions of nine major drainageways (Coyote, Johnson, Buzzard, No-Name, Oak, Grouse, Horse, Flume and Pyeatt) and their tributaries have been regraded and appropriately treated to reduce the erosion rate and assist in permanent channel stabilization from 1987 through 2023. At the conclusion of the 2023 field season, approximately 147,630 linear feet (27.96 miles) of permanent drainage reconstruction has been completed at Trapper Mine (Map 1). In 2023 5,760 feet of new drainage reconstruction occurred in the D-Pit area, main tributary to No-Name Gulch.

3.2 Drainage Improvements and Repairs

Improvements and repairs were performed to provide benefits to all drainages treated in 1987-2023 as well as portions of undisturbed and disturbed drainage segments. Drainage improvements include dozer basins constructed in newly stripped topsoil areas and on newly regraded spoils. Dozer basins and/or stock ponds were cleaned and repaired in Johnson, East Pyeatt, Oak, Middle Flume, East Middle Flume and Deal drainages in 2023. Sediment ponds Middle Pyeatt #1 and East Pyeatt #1 were cleaned of all sediment and Johnson #10 was partially cleaned and aquatic vegetation removed in 2023. New Sediment ponds East Buzzard #3 and West Buzzard #4 were constructed in the northwest corner of the permit area during the summer of 2023. They are designed to treat and capture sediment from the proposed mining areas in C Pit. Repairs of 9,170 feet of drainage were conducted in the L/K Pit and the F Pit reclamation areas due to deep rills.

3.3 Drainage Reconstruction Design Summary

Design criteria established with PR-07 shall be summarized for each year for the drainages reconstructed on the site. Table 3.1 shows the model inputs for each drainage designed and reconstructed for the reporting year. Map 1 indicates each drainage section reconstructed during the reporting year. In 2023 5,760 feet of new drainage reconstruction occurred in the D-Pit area, main tributary to No-Name Gulch.

Table 3.1. Drainage Reconstruction Summary for Trapper Mine (2023)

| | | | | |
|------------------------------------|---------------|--|--|--|
| Drainage Model Inputs | | | | |
| Drainage Designation (Map 1) | D-AB-23 NN 1' | | | |
| Total Acreage | 267.6 | | | |
| Average Curve Number | 82 | | | |
| Average Slope | 11 | | | |
| Total Storage Needed, ac-ft. | 1.086 | | | |
| Capacity of Check Dam(s), ac-ft. | 0.02076 | | | |
| Capacity of Dozer Basin(s), ac-ft. | 1.1 (total) | | | |
| Dozer Basins Constructed | 3 | | | |
| Check Dams Constructed | 53 | | | |
| Required Number of Check Dams | 52.31 | | | |
| Total Storage Completed, ac-ft. | 2.20028 | | | |

SECTION 4.0

RESERVED



C-1981-010

SECTION 5.0

TOPSOIL STOCKPILE LOCATIONS



C-1981-010

SECTION 5.0 Topsoil Stockpile Locations

Trapper's approved permit (Section 4.9.2) specifies that CDRMS will be provided with map(s) illustrating the location of topsoil stockpiles constructed during the previous year and the approximate locations for stockpiles proposed for construction during the upcoming year (Map 1).

Table 5-1 lists all existing stockpiles with their identification nomenclature, coordinates (based on the approximate center of the pile), acres, construction date and volume; which is updated annually.

During 2023 piles D97-1 and E78-2 were nearly depleted for topsoil laydown in D Pit. Piles D1-07, E78-1, E79-4, E79-22A and E87-12 were entirely depleted for topsoil laydown in the D Pit area. Pile I-20-1 was depleted for laydown in the eastern I-Pit area. Piles CG1, MH2 and L21-3 had additional topsoil added to them from stripping operations. Trapper also constructed seven new topsoil piles. Topsoil piles C23-1, C23-2, C23-3 and C23-4 in the C Pit area; piles D23-1 and D23-2 in the D Pit area and L23-1 in the L Pit area. Piles J22-1, J22-2, J22-3A and J22-3B were moved for pit advancement to pile CG-1. Two small piles were also constructed adjacent to the newly constructed East and West Buzzard ponds in the NW corner of the permit area.

At the end of 2023, excluding stockpiles abandoned with the approvals of MR-155 and TR-94, there are 81 existing topsoil stockpiles at Trapper affecting 186.1 acres and storing approximately 3,690,889 cubic yards of salvaged topsoil.

Proposed new topsoil stockpiles near the J and L Pit area may be constructed in 2024.

Table 5-1. Trapper Mine Topsoil Pile Inventory (1)

| Topsoil Pile ID | Location | Coordinates | | Size (acres) | Approximate CYDS | Year Created |
|--------------------|------------------------------------|-------------|-----------|-----------------|---------------------|-----------------|
| | | Northing | Easting | | | |
| 18-2 | Johnson Coal Pile | 413,427 | 1,423,038 | 2.5 | 20,360 | 2018 |
| 18-3 | Ash Dump | 405,377 | 1,424,250 | 1.2 | 43,046 | 2018 |
| 19-1 | K Ridge Reclamation | 404,660 | 1,437,265 | 1.2 | 7,261 | 2019 |
| 19-5 | K Ridge Reclamation | 403,607 | 1,437,132 | 1.9 | 20,585 | 2019 |
| A76-4 | GB well site | 410,070 | 1,417,400 | 0.5 | 7,805 | pre 1976 |
| A77-1 | A field coal pile | 409,850 | 1,411,300 | 1.3 | 10,620 | 1977 |
| *A91-8 | NW Edge of H Pit Reclamation | 410,800 | 1,421,400 | 5.1 | 67,159 | 1991 |
| *A92-1 | North A Road East of East Pyeatt | 411,900 | 1,427,900 | 12.5 | 336,429 | 1992 |
| A92-3 | North A Road East of West Pyeatt | 412,100 | 1,424,400 | 0.6 | 7,632 | 1992 |
| A92-4 | North A Road Middle Pyeatt | 411,300 | 1,425,600 | 7.2 | 171,972 | 1992 |
| A92-5 | North A Road West of East Pyeatt | 412,670 | 1,426,360 | 7.8 | 194,000 | 1992 |
| A93-1 | A pit South #1 | 406,550 | 1,426,040 | 3.9 | 150,055 | 1993 |
| A94-2 | E of Grouse Drainage | 412,000 | 1,429,300 | 4.4 | 120,606 | 1994 |
| A96-2 | North A Pit west of A 95-2 | 411,100 | 1,432,100 | 3.0 | 26,216 | 1996 |
| A97-2 | South of LOM Road | 408,150 | 1,429,200 | 1.5 | 50,972 | 1997 |
| A98-3 | West Middle Flume Pond #3 | 407,500 | 1,438,240 | 5.3 | 204,024 | 1998 |
| A99-3 | East Middle Flume Pond | 407,630 | 1,437,275 | 0.8 | 9,000 | 1999 |
| A1-08 | East of G1-03 Pile | 406,870 | 1,439,000 | 5.6 | 183,982 | 2008 |
| ASH1_2020 | LOM/ASH Road | 408,550 | 1,424,160 | 1.8 | 15,129 | 2020 |
| ASH2_2020 | LOM/ASH Road | 407,300 | 1,423,850 | 3.6 | 60,000 | 2020 |
| ASH3_Foster's Pile | LOM/ASH Road | 409,850 | 1,424,000 | 2.3 | 38,684 | 2020 |
| ASH4_2020 | LOM/ASH Road | 411,210 | 1,424,290 | 1.3 | 9,962 | 2020 |
| ASH1 | Johnson Gulch East Tributary | 408,000 | 1,421,200 | 3.9 | 97,092 | 1992 |
| ASH2 | Johnson Gulch East Tributary | 408,200 | 1,422,000 | 1.3 | 27,486 | 1992 |
| BUZ92-1 | Far East Buzzard Pond #1 | 411,100 | 1,410,250 | 0.4 | 882 | 1992 |
| CG1 | Coyote Gulch | 410,836 | 1,408,404 | 5.4 | 159,186 | 1978/2023 |
| C23-1 | Colt Pit North End | 411,050 | 1,412,200 | 5.0 | 171,512 | 2023 |
| C23-2 | Colt Pit West Side | 409,800 | 1,406,465 | 3.7 | 72,039 | 2023 |
| C23-3 | Colt Pit SW Corner | 408,107 | 1,406,403 | 2.9 | 47,788 | 2023 |
| C23-4 | Colt Pit NE Corner | 407,561 | 1,408,265 | 3.6 | 44,732 | 2023 |
| D23-1 | D-Pit | 404,930 | 1,419,161 | 1.2 | 9,052 | 2023 |
| D23-2 | D-Pit North End | 407,370 | 1,417,647 | 2.7 | 19,919 | 2023 |
| D93-1 | North D pit #1 | 407,725 | 1,418,160 | 0.5 | 20,570 | 1993 |
| D97-1 | North end Enfield Pit | 405,640 | 1,419,440 | 1.8 | 1 | 1997 |
| E78-2 | Middle E pit pile | 404,400 | 1,423,100 | 4.5 | 5,000 | 1978 |
| E79-D22-B | D Pit | 403,350 | 1,419,300 | 0.7 | 36,000 | 2022/2023 |
| E93-4 | North E pit #4 | 408,750 | 1,421,050 | 0.9 | 14,030 | 1993 |
| E93-5 | Middle E pit #5 | 403,955 | 1,419,950 | 0.8 | 7,130 | 1993 |
| E94-1 | W of D East Road | 404,280 | 1,420,370 | 0.3 | 2,304 | 1994 |
| E94-2 | N of D East Road | 407,270 | 1,418,750 | 0.2 | 1,200 | 1994 |
| G1-01 | North of LOM rd @ G Pit | 407,740 | 1,434,270 | 4.0 | 101,948 | 2001 |
| G1-03 | East G-Pit | 406,526 | 1,438,555 | 3.5 | 89,822 | 2003 |
| G4-02 | North A-E & LOM Roads Intersection | 406,728 | 1,436,968 | 2.1 | 137,784 | 2002 |
| G06-DG | Deal Gulch pond | 399,380 | 1,438,040 | 0.6 | 10,104 | 2006/2018 |
| H04 | West Horse pond | 401,580 | 1,430,260 | 0.7 | 6,244 | 2004 |
| HRS | Horse Pond | 403,090 | 1,432,930 | 1.0 | 24,781 | 2000 |
| I20-2 | West end I-Pit | 411,903 | 1,413,603 | 0.9 | 22,356 | 2020 |
| I20-3 | North Edge I-Pit | 412,122 | 1,414,412 | 1.8 | 17,286 | 2020 |

Table 5-1. Cont. - page 2

| Topsoil Pile ID | Location | Coordinates | | Size (acres) | Approximate CYDS | Year Created |
|--------------------|------------------------------------|-------------|-----------|-----------------|---------------------|-----------------|
| | | Northing | Easting | | | |
| JF-1 | Jeffway Pond #1 | 401,578 | 1,442,426 | 0.7 | 1,760 | 2018 |
| JG5 | Johnson Gulch Elect Station | 414,250 | 1,419,450 | 0.5 | 6,209 | 1989 |
| JG6 | North A Haul Road Johnson | 413,000 | 1,420,950 | 1.2 | 13,212 | 1987 |
| JG7 | North A Haul Road Ag Field W | 412,400 | 1,422,250 | 0.5 | 16,850 | 1988 |
| JG8 | North A Haul Road Ag Field E | 412,300 | 1,422,700 | 0.7 | 12,840 | 1988 |
| K2-15 | K Ridge Reclamation | 402,400 | 1,435,600 | 7.1 | 67,082 | 2015 |
| L2-17 | East Readyline | 405,490 | 1,434,900 | 2.4 | 46,485 | 2017 |
| L5-17 | Road to East Ready Line | 405,800 | 1,435,830 | 4.5 | 91,745 | 2017 |
| L20-2 | K2 Road | 404,650 | 1,438,139 | 2.0 | 32,400 | 2020 |
| L21-1 | L Reclamation | 401,726 | 1,437,812 | 2.2 | 49,516 | 2021 |
| L21-2 | West of Jeffway Pond #1 | 401,449 | 1,442,020 | 1.6 | 19,502 | 2021 |
| L21-3 | Northwest on knob, Jeffway Pond #1 | 402,337 | 1,442,157 | 1.7 | 37,282 | 2021/2023 |
| L23-1 | L Pit Mid Pit East Side | 403,512 | 1,442,319 | 4.2 | 65,437 | 2023 |
| MH1 | Main haul road north | 411,710 | 1,418,660 | 1.0 | 32,147 | 1986 |
| MH2 | Main haul road south | 410,800 | 1,418,550 | 2.6 | 60,251 | 1982 |
| MP1 | Middle Pyeatt Dam #1 | 412,200 | 1,425,030 | 0.6 | 4,200 | 1986 |
| MP2 | Middle Pyeatt Dam #2 | 413,000 | 1,425,220 | 1.2 | 12,500 | 1986 |
| MP7 | Middle Pyeatt Sediment Basin | 411,000 | 1,425,400 | 0.2 | 645 | 1991 |
| N20-2 | New LOM Road | 408,760 | 1,431,933 | 4.3 | 10,835 | 2020 |
| N20-3 | New LOM Road | 411,300 | 1,426,940 | 2.0 | 19,770 | 2020 |
| N20-4 | New LOM Road | 410,135 | 1,431,900 | 1.2 | 8,659 | 2020 |
| N20-5 | New LOM Road | 410,790 | 1,431,300 | 1.8 | 5,620 | 2020 |
| N20-6 | New LOM Road | 411,340 | 1,430,530 | 1.4 | 9,970 | 2020 |
| N20-7 | NE of Ash Pond | 410,334 | 1,426,014 | 0.4 | 1,713 | 2020 |
| N21-1 | East Pyeatt, A pit reclaim | 410,672 | 1,427,106 | 0.9 | 5,035 | 2021 |
| NN20-1 | East No-Name #2 | 410,711 | 1,416,540 | 1.6 | 17,735 | 2020 |
| NN20-2 | East end I-Pit Overburden Pile | 411,282 | 1,417,835 | 2.2 | 38,594 | 2020 |
| SP5-94 | SW of Sage Pond | 412,600 | 1,430,555 | 0.6 | 6,318 | 1994 |
| SP6-94 | SE of Sage Pond | 412,700 | 1,431,200 | 0.7 | 12,204 | 1994 |
| SY1 | Shop yard pullout expansion | 413,660 | 1,419,250 | 0.2 | 900 | 1990 |
| WC1 | Wye coal pile site | 412,600 | 1,417,500 | 3.7 | 74,950 | 1978 |
| WB23-1 | West Buzzard #4 Pond Topsoil Pile | 412,927 | 1,407,090 | 0.2 | 4,033 | 2023 |
| EB23-1 | East Buzzard #3 Pond Topsoil Pile | 413,097 | 1,408,966 | 0.4 | 2,743 | 2023 |
| Total | | | | 186.1 | 3,690,889 | |

* In accordance with MR-155, all of piles A86-6 (depleted in 2004), A92-4 and A92-5 were abandoned and A91-8 and A92-1 were partially abandoned.

In accordance with TR-94, topsoil piles NN1, E89-11, JG-1, JG-2, JG-3, JG-4, WP-2, WP-3, EP-2, EP-3, EP-4, GP-1, A95-2, FWF97-1, A99-3 and EFL were abandoned.

(1) As of December 31, 2023

SECTION 6.0

LIVESTOCK PONDS



C-1981-010

SECTION 6.0 Stock Tank and Dozer Basin Construction Through 2023

6.1 Stock Tanks

This section updates the location of all constructed stock tanks through 2023 (Map 1). The average tank density for Trapper mined-land areas will not exceed one tank per ten acres. Existing stock tanks meet applicable certification standards.

In 2023 Trapper did not construct any new stock tanks.

6.2 Dozer Basins

As a result of the approval of technical revision TR-73 (January 1997), dozer basin locations will be provided in this Appendix W document on an annual basis (Map 1).

Dozer basins assist sediment impoundments in the containment of sediment, reducing the frequency of sediment impoundment cleaning. Dozer basins are typically constructed along haulroads, regraded spoils, and/or on short or long term disturbed sites.

Table 6-1 Existing Stock Tank Density by Drainage Area (1) through 2023

| Drainage Area | Tanks Constructed | Approximate Drainage Area (ac) | Approximate Drainage Acres Per Tank |
|---------------|-------------------|--------------------------------|-------------------------------------|
| Johnson | 4 | 165 | 41 |
| No Name | 6 | 246 | 41 |
| West Pyeatt | 3 | 279 | 93 |
| East Pyeatt | 5 | 1,270 | 254 |
| Oak | 3 | 314 | 105 |
| Middle Flume | <u>1</u> | <u>18</u> | <u>18</u> |
| | 24 | 2,292 | 87 |

(1) Based on average drainage area above first sediment control structure in any given drainage at Trapper Mine.

SECTION 7.0

MISCELLANEOUS



C-1981-010

SECTION 7.0 Miscellaneous

7.1 Vegetation Monitoring on Trapper Reclaimed Lands

Routine interim vegetation monitoring occurred on 185.9 acres of reclaimed Trapper rangelands in A, K, L and Z Pit, which had been initially topsoiled and seeded between 2015 to 2020, during the 2023 field season. A total of 55 fifty-meter transects were monitored. Vegetation parameters sampled during 2023 included ground cover, species composition and woody stem density.

Vegetation monitoring also occurred for Phase II Bond release (SL-24) on 298.3 acres of reclaimed Trapper rangelands in F, L and Z Pit, which had been initially topsoiled and seeded between 2017 to 2019, during the 2023 field season. A total of 85 fifty-meter transects were monitored.

Vegetation monitoring planned for 2024 will include baseline sampling of new reclaimed areas, interim sampling of selected older reclaimed areas, and possible sampling of the first of two years of Phase III bond release sampling.

7.2 Grazing of Reclaimed Lands

No cattle grazing occurred on Trapper non-final bond-released reclaimed lands during 2023, nor is any planned for 2024.

7.3 2023 Revegetation Seed Mixes

Section 3.6.3.5 of Trapper's Mining and Reclamation permit requires the Division be notified of the seed mixtures proposed to be used each year. Tables 7-1 through 7-4 give the 2024 proposed mixtures.

Required seed packing slips are attached behind Table 7-4 for shipments received in 2023.

7.4 Trapper Mine Facilities

In 2023, existing Trapper Mine facilities were not significantly changed during the reporting year.

7.5 Weed Control Measures

Weed control was performed on all areas of the mine-site. Herbicide was applied aerially as needed and selectively by ground crews. Efforts were primarily focused on newer reclaimed parcels and/or areas of historical concentrations. Areas surrounding facilities were treated by non-selective herbicides to obtain bare ground as needed. Reclaimed parcels were treated with recommended selective broadleaf herbicides for select noxious weeds. Noxious weeds are controlled in accordance with state and county lists and recommendations. Primary species of concern included Hoary cress (*Cardaria draba*), Dalmatian toadflax (*Linaria dalmatica*), Houndstongue (*Cynoglossum officinale*), Scotch thistle (*Onopordum acanthium*), Musk thistle (*Carduus nutans*), Canada thistle (*Cirsium arvense*) and Russian Knapweed (*Acroptilon repens*). Other possible species have included Black henbane (*Hyoscyamus niger*), Russian Olive (*Elaeagnus angustifolia*) and Tamarisk (*Tamarix spp.*).

Table 7-1. Seed mix for seeding Range Site AB in 2024, Trapper Mine.

| SPECIES (1) | Pure Live Seed Per Square Foot | Pounds PLS Per Acre | Origin(1) |
|---|--------------------------------------|---------------------------|-----------|
| <u>Grasses:</u> | | | |
| Thickspike wheatgrass | 0.5 | 0.14 | N |
| <i>Elymus lanceolatus</i> spp. <i>lanceolatus</i> 'Critana'; alt. <i>Agropyron dasystachyum</i> | | | |
| Streambank wheatgrass | 0.5 | 0.13 | N |
| <i>Elymus lanceolatus</i> spp. <i>psammophilus</i> 'Sodar'; alt. <i>Agropyron riparium</i> | | | |
| Western wheatgrass | 0.5 | 0.19 | N |
| <i>Pascopyrum smithii</i> 'Arriba'; alt. <i>Agropyron smithii</i> | | | |
| Slender wheatgrass | 0.5 | 0.14 | N |
| <i>Elymus trachycaulus</i> 'San Luis'; alt. <i>Agropyron trachycalum</i> | | | |
| Beardless bluebunch wheatgrass | 2.0 | 0.62 | N |
| <i>Pseudoroegneria spicata</i> spp. <i>Inermis</i> 'Whitmar'; alt <i>Agropyron spicatum</i> | | | |
| Mountain brome | 1.0 | 0.72 | N |
| <i>Bromus marginatus</i> | | | |
| Great Basin wildrye | 2.0 | 0.92 | N |
| <i>Leymus cinereus</i> ; alt <i>Elymus cinereus</i> | | | |
| Kentucky bluegrass | 3.0 | 0.06 | * |
| <i>Poa pratensis</i> | | | |
| Green needlegrass | 1.0 | 0.24 | N |
| <i>Nassella viridula</i> ; alt <i>Stipa viridula</i> | | | |
| Sheep Fescue | 2.0 | 0.15 | N |
| <i>Festuca ovina</i> | | | |
| Redtop | 2.0 | 0.02 | I |
| <i>Agrostis gigantea</i> ; alt <i>Agrostis alba</i> | | | |
| Indian Ricegrass | 1.0 | 0.23 | N |
| <i>Achnatherum hymenoides</i> ; alt <i>Oryzopsis hymenoides</i> | | | |
| Total grasses | 16.0 | 3.56 | -- |
| <u>Forbs:</u> | | | |
| Munro Globemallow | 1.0 | 0.08 | N |
| <i>Sphaeralcea munroana</i> | | | |
| Lewis Flax | 2.0 | 0.30 | N |
| <i>Linum lewisii</i> | | | |
| Western yarrow | 4.0 | 0.07 | N |
| <i>Achillea millefolium</i> | | | |
| Cicer milkvetch | 1.0 | 0.30 | I |
| <i>Astragalus cicer</i> | | | |
| Arrowleaf balsamroot | 0.5 | 0.40 | N |
| <i>Balsamorhiza sagittata</i> | | | |
| Pacific aster | 2.0 | 0.02 | N |
| <i>Symphyotrichum ascendens</i> ; alt <i>Aster chilensis</i> | | | |
| Rocky Mt. penstemon | 2.0 | 0.14 | N |
| <i>Penstemon strictus</i> | | | |
| Small burnet | 0.5 | 0.40 | I |
| <i>Sanguisorba minor</i> | | | |
| Alfalfa | 0.5 | 0.10 | I |
| <i>Medicago sativa</i> | | | |
| Showy Goldeneye | 2.0 | 0.08 | N |
| <i>Helomeris multiflora</i> var. <i>multiflora</i> ; alt <i>Viguiera multiflora</i> | | | |
| Total forbs | 15.5 | 1.89 | -- |

Table 7-1. Cont. Seed mix for seeding Range Site AB in 2024, Trapper Mine.

| SPECIES (1) | Pure Live Seed Per Square Foot | Pounds PLS Per Acre | Origin(1) |
|--|--------------------------------------|---------------------------|-----------|
| <u>Shrubs:</u> | | | |
| Rubber rabbitbrush | 2.0 | 0.26 | N |
| <i>Ericameria nauseosa</i> var. <i>nauseosa</i> ; alt <i>Chrysothamnus nauseosus</i> | | | |
| Silver sagebrush | 2.0 | 0.10 | N |
| <i>Artemisia cana</i> | | | |
| Big sagebrush | 3.0 | 0.07 | N |
| <i>Artemisia tridentata</i> | | | |
| Antelope bitterbrush | 2.0 | 4.40 | N |
| <i>Purshia tridentata</i> | | | |
| Mountain snowberry | 1.0 | 0.58 | N |
| <i>Symphoricarpos oreophilus</i> | | | |
| Woods rose | 1.0 | 0.96 | N |
| <i>Rosa woodsii</i> | | | |
| Fourwing saltbrush | 1.0 | 0.62 | N |
| <i>Atriplex canescens</i> | | | |
| Chokecherry | 0.3 | 3.00 | N |
| <i>Prunus virginiana</i> | | | |
| Saskatoon serviceberry | 0.3 | 0.29 | N |
| <i>Amelanchier alnifolia</i> | | | |
| Total shrubs | 12.6 | 10.28 | -- |
| | | | |
| Total mixture | 44.1 | 15.73 | |

(1) N - native, I - introduced, * - Naturalized.

Table 7-2. Seed mix for seeding Range Site C in 2024, Trapper Mine.

| SPECIES | Pure Live Seed Per Square Foot | Pounds PLS Per Acre | Origin (1) |
|---|--------------------------------------|---------------------------|------------|
| <u>Grasses:</u> | | | |
| Beardless bluebunch wheatgrass | 1.0 | 0.31 | N |
| <i>Pseudoroegneria spicata</i> spp. <i>Inermis</i> 'Whitmar'; alt <i>Agropyron spicatum</i> | | | |
| Slender Wheatgrass | 2.0 | 0.66 | N |
| <i>Elymus trachycaulus</i> 'San Luis'; alt. <i>Agropyron trachycalum</i> | | | |
| Thickspike wheatgrass | 2.0 | 0.56 | N |
| <i>Elymus lanceolatus</i> spp. <i>lanceolatus</i> 'Critana'; alt. <i>Agropyron dasystachyum</i> | | | |
| Streambank wheatgrass | 2.0 | 0.51 | I |
| <i>Elymus lanceolatus</i> spp. <i>psammophilus</i> 'Sodar'; alt. <i>Agropyron riparium</i> | | | |
| Western wheatgrass | 2.0 | 0.77 | N |
| <i>Pascopyrum smithii</i> 'Arriba'; alt. <i>Agropyron smithii</i> | | | |
| Great Basin wildrye | 2.0 | 0.92 | N |
| <i>Leymus cinereus</i> ; alt <i>Elymus cinereus</i> | | | |
| Sheep fescue | 2.0 | 0.15 | N |
| <i>Festuca ovina</i> | | | |
| Kentucky bluegrass | 4.0 | 0.08 | * |
| <i>Poa pratensis</i> | | | |
| Indian ricegrass | 1.0 | 0.23 | N |
| <i>Achnatherum hymenoides</i> ; alt <i>Oryzopsis hymenoides</i> | | | |
| Mountain brome | 2.0 | 1.43 | N |
| <i>Bromus marginatus</i> | | | |
| Green needlegrass | 2.0 | 0.48 | N |
| <i>Nassella viridula</i> ; alt <i>Stipa viridula</i> | | | |
| Redtop | 3.0 | 0.03 | I |
| <i>Agrostis gigantean</i> ; alt <i>Agrostis alba</i> | | | |
| Total grasses | 25.0 | 6.13 | -- |
| <u>Forbs:</u> | | | |
| Cicer Milkvetch | 1.0 | 0.30 | I |
| <i>Astragalus cicer</i> | | | |
| Western yarrow | 4.0 | 0.04 | N |
| <i>Achillea millefolium</i> | | | |
| Arrowleaf balsamroot | 1.0 | 0.79 | N |
| <i>Balsamorhiza sagittata</i> | | | |
| Lewis flax | 4.0 | 0.61 | N |
| <i>Linum lewisii</i> | | | |
| Rocky Mt. penstemon | 1.0 | 0.08 | ? |
| <i>Penstemon strictus</i> | | | |
| Small burnet | 0.5 | 0.40 | I |
| <i>Sanguisorba minor</i> | | | |
| Pacific aster | 2.0 | 0.03 | N |
| <i>Symphotrichum ascendens</i> ; alt <i>Aster chilensis</i> | | | |
| Munro globemallow | 0.5 | 0.04 | N |
| <i>Sphaeralcea munroana</i> | | | |
| Showy goldeneye | 2.0 | 0.08 | N |
| <i>Helioomeris multiflora</i> var. <i>multiflora</i> ; alt <i>Viguiera multiflora</i> | | | |
| Total forbs | 16.0 | 2.37 | -- |
| Total mixture | 41.0 | 8.50 | |

(1) N - native, I - introduced, * - Naturalized, ? - Unknown, but genus occurs on the mine site.

Table 7-3. Seed mix for seeding temporary disturbance areas in 2024, Trapper Mine.

| SPECIES | Pure Live Seed Per Square Foot | Pounds PLS Per Acre | Origin (1) |
|--|--------------------------------------|---------------------------|------------|
| <u>Grasses:</u> | | | |
| Thickspike wheatgrass <i>Elymus lanceolatus</i> spp. <i>lanceolatus</i> 'Critana'; alt. <i>Agropyron dasystachyum</i> | 3.0 | 0.84 | N |
| Slender wheatgrass <i>Elymus trachycaulus</i> 'San Luis'; alt. <i>Agropyron trachycalum</i> | 4.0 | 1.10 | N |
| Western wheatgrass <i>Pascopyrum smithii</i> 'Arriba'; alt. <i>Agropyron smithii</i> | 2.0 | 0.51 | N |
| Great Basin wildrye <i>Leymus cinereus</i> ; alt <i>Elymus cinereus</i> | 1.0 | 0.46 | N |
| Kentucky bluegrass <i>Poa pratensis</i> | 6.0 | 0.12 | * |
| Redtop <i>Agrostis gigantean</i> ; alt <i>Agrostis alba</i> | 4.0 | 0.04 | I |
| Total grasses | 20.0 | 3.07 | -- |
| <u>Forbs:</u> | | | |
| Western yarrow <i>Achillea millefolium</i> | 2.0 | 0.02 | N |
| Alfalfa <i>Medicago sativa</i> | 2.0 | 0.42 | I |
| Cicer milkvetch <i>Astragalus cicer</i> | 2.0 | 0.64 | I |
| Total forbs | 6.0 | 1.08 | -- |
| Total mixture | 26.0 | 4.15 | |

(1) N - native, I - introduced, * - Naturalized.

Table 7-4. Seed mix for aerial inter-seeding in 2024, Trapper Mine.

| SPECIES (1) | Pure Live Seed Per Square Foot | Pounds PLS Per Acre | Origin(1) |
|--|--------------------------------------|---------------------------|-----------|
| <u>Forbs:</u> | | | |
| Lewis Flax | 2.0 | 0.30 | N |
| <i>Linum lewisii</i> | | | |
| Western yarrow | 5.7 | 0.10 | N |
| <i>Achillea millefolium</i> | | | |
| Rocky Mt. penstemon | 2.9 | 0.20 | N |
| <i>Penstemon strictus</i> | | | |
| Total forbs | 10.6 | 0.60 | -- |
| <u>Shrubs:</u> | | | |
| Rubber rabbitbrush | 1.5 | 0.20 | N |
| <i>Ericameria nauseosa</i> var. <i>nauseosa</i> ; alt <i>Chrysothamnus nauseosus</i> | | | |
| Silver sagebrush | 4.0 | 0.20 | N |
| <i>Artemisia cana</i> | | | |
| Big sagebrush | 8.6 | 0.20 | N |
| <i>Artemisia tridentata</i> | | | |
| Total shrubs | 14.1 | 0.60 | -- |
| Total mixture | 24.7 | 1.20 | |

(1) N - native



INTERMOUNTAIN SEED, INC.

P.O. Box 2, Ephraim, UT 84627

Phone: (435) 283-6639, Fax: (435) 283-4155

E-mail: sales@siseed.com

INVOICE

| | |
|--------------------|--------------|
| Invoice No. | 8385 |
| Date | 9/20/2023 |
| Ship Date | 9/26/2023 |
| FOB | |
| Terms | 2% 10 Net 30 |
| Due Date | 10/20/2023 |

| |
|---|
| Bill To |
| Trapper Mining, Inc. P.O. Box 187 Craig, CO 81625 |

| |
|---|
| Ship To |
| Trapper Mining, Inc. 25910 South Highway 13 Craig, CO 81625 |

| | | | | | |
|---------------------------|-------------------|--------------------|------------------|-----------------|---------------------------|
| Customer Order No. | Ordered By | Account No. | Sales Rep | Ship Via | Customer Phone No. |
| P20191 | Billy Nicholson | | Jason | Old Dominion | |

| Quantity | Bulk/PLS | Lot Number | Description (Species, Variety, Etc.) | Unit Price | Amount |
|----------|----------|-------------|---|------------|--------|
| 4 | PLS | QQ039623-86 | Rocky Mtn Penstemon - Bandera (4.69 Bulk) | | 0.00 |
| 5.5 | PLS | SIS5660-2 | Showy Goldeneye (5.98 Bulk) | | 0.00 |
| | | Shipping | Shipping | 754.28 | 754.28 |

*PM
10/3/23*

ENTERED OCT 04 2023

| | | | | |
|--|--|--|--------------------------|--------------------|
| Please pay from this Invoice. No statement will be sent. | | | Subtotal | \$27,381.17 |
| | | | Sales Tax (6.75%) | \$0.00 |
| Received By: | | | Balance Due | \$27,381.17 |
| Date: | | | | |

THANK YOU. We appreciate your business!

Notice to Buyer: Stevenson Intermountain Seed guarantees its seed sold is as described on the label, within recognized tolerances, but express or imply no further guarantee. Our liability is limited in the amount to the purchase price. Any claims against seed purchases must be made in writing within 10 days after the receipt of shipment. Interest is charged at 1.5% per month (18% A.P.R) on all accounts past due.

WFO



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| FOB | |
| Terms | 2% 10 Net 30 |
| Due Date | 10/20/2023 |

| | |
|---|---|
| Bill To | Ship To |
| Trapper Mining, Inc. P.O. Box 187 Craig, CO 81625 | Trapper Mining, Inc. 25910 South Highway 13 Craig, CO 81625 |

RECEIVED
OCT 02 2023

| | | | | | |
|---------------------------|-------------------|--------------------|------------------|-----------------|---------------------------|
| Customer Order No. | Ordered By | Account No. | Sales Rep | Ship Via | Customer Phone No. |
| P20191 | Billy Nicholson | | Jason | Old Dominion | |

| Quantity | Bulk/PLS | Lot Number | Description (Species, Variety, Etc.) | Unit Price | Amount |
|----------|----------|----------------|--|------------|-----------|
| | | Seed Mix | Trapper Mine Fall Mixes 2023 | 26,626.89 | 26,626.89 |
| | | M-4865 | Range Site A/B - Grass Box 60 acres | | 0.00 |
| 8.4 | PLS | 0-KH585-65A | Thickspike Wheatgrass - Critana (8.71 Bulk) | | 0.00 |
| 7.8 | PLS | BTS-922 | Streambank Wheatgrass - Sodar (8.43 Bulk) | | 0.00 |
| 11.4 | PLS | NBS-RR22-ARR-1 | Western Wheatgrass - Arriba (13.52 Bulk) | | 0.00 |
| 37.2 | PLS | 2173-1 | Bluebunch Wheatgrass - Whitmar (40.64 Bulk) | | 0.00 |
| 8.4 | PLS | SF7-D1 | Slender Wheatgrass - San Luis (8.92 Bulk) | | 0.00 |
| 43.2 | PLS | 1-MO234-80A | Mountain Brome (45.79 Bulk) | | 0.00 |
| 55.2 | PLS | 22-0-12 | Basin Wildrye - Magnar (65.88 Bulk) | | 0.00 |
| 3.6 | PLS | 2-JR111-90B | Big bluegrass - Sherman (4.55 Bulk) | | 0.00 |
| 24 | PLS | BASA220 | Arrowleaf Balsamroot - Native (30.08 Bulk) | | 0.00 |
| 24 | PLS | 7W1805-58R | Small Burnet - Delar (24.57 Bulk) | | 0.00 |
| 4.8 | PLS | SIS5756 | Munro Globema low - CID (5.08 Bulk) | | 0.00 |
| 17.4 | PLS | SIS5468 | Saskatoon Serviceberry (21.54 Bulk) | | 0.00 |
| 264 | PLS | SIS5275 | Antelope Bitterbrush (281.27 Bulk) | | 0.00 |
| 180 | PLS | SIS5445 | Black Chokecherry (217.45 Bulk) (In seperate bags on same pallet) | | 0.00 |
| | | M-4866 | Range Site A/B - Alfalfa Box 60 acres | | 0.00 |
| 1.2 | PLS | INV127254 | Red Top (1.3 Bulk) | | 0.00 |
| 9 | PLS | 355-042-00A | Sheep Fescue - Covar (9.37 Bulk) | | 0.00 |
| 3.6 | PLS | 2.415850 | Kentucky Bluegrass - Ginger (3.9 Bulk) | | 0.00 |
| 14.4 | PLS | 442-535-70B | Green Needlegrass - Lodorm (15.98 Bulk) | | 0.00 |
| 13.8 | PLS | 442-542-217A | Indian Ricegrass - Utah (15.73 Bulk) | | 0.00 |
| 4.2 | PLS | NBS-BP20-EAG-1 | Western Yarrow - Eagle (5.17 Bulk) | | 0.00 |
| 18 | PLS | W42-488-5096C | Cicer Milkvetch - Monarch (19.91 Bulk) | | 0.00 |
| 18 | PLS | 2021.0474 | Lewis Flax - Maple Grove (23.4 Bulk) | | 0.00 |
| 6 | PLS | 442-7-200028 | Alfalfa - Ladak (6.19 Bulk) | | 0.00 |
| 8.4 | PLS | QQ039623-86 | Rocky Mtn Penstemon - Bandera (9.85 Bulk) | | 0.00 |

Please pay from this invoice. No statement will be sent.

Received By:

Date:

Subtotal

Sales Tax (6.75%)

Balance Due

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| Customer Order No. | Ordered By | Account No. | Sales Rep | Ship Via | Customer Phone No. |
|--------------------|-----------------|-------------|-----------|--------------|--------------------|
| P20191 | Billy Nicholson | | Jason | Old Dominion | |

| Quantity | Bulk/PLS | Lot Number | Description (Species, Variety, Etc.) | Unit Price | Amount |
|----------|----------|----------------|--|------------|--------|
| 6 | PLS | SIS5660-2 | Showy Goldeneye (6.52 Bulk) | | 0.00 |
| 6 | PLS | 702 | Silver Sagebrush (45.54 Bulk) | | 0.00 |
| 4.2 | PLS | SIS5690-2 | Mountain Big Sagebrush (11.04 Bulk) | | 0.00 |
| 37.2 | PLS | SIS5614 | Fourwing Saltbush (82.4 Bulk) | | 0.00 |
| 15.6 | PLS | SIS5718 | Whitestem Rubber Rabbitbrush (38.58 Bulk) | | 0.00 |
| 57.6 | PLS | SIS5162 | Woods Rose (75.08 Bulk) | | 0.00 |
| 34.8 | PLS | SIS5642 | Mountain Snowberry (43.39 Bulk) | | 0.00 |
| | | M-4867 | Range Site C - Grass Box 50 acres | | 0.00 |
| 28 | PLS | 0-KH585-65A | Thickspike Wheatgrass - Critana (29.03 Bulk) | | 0.00 |
| 25.5 | PLS | BTS-922 | Streambank Wheatgrass - Sodar (27.56 Bulk) | | 0.00 |
| 38.5 | PLS | NBS-RR22-ARR-1 | Western Wheatgrass - Arriba (45.65 Bulk) | | 0.00 |
| 15.5 | PLS | 2173-1 | Bluebunch Wheatgrass - Whitmar (16.93 Bulk) | | 0.00 |
| 33 | PLS | SF7-D1 | Slender Wheatgrass - San Luis (35.04 Bulk) | | 0.00 |
| 71.5 | PLS | 1-MO234-80A | Mountain Brome (75.79 Bulk) | | 0.00 |
| 46 | PLS | 22-0-12 | Basin Wildrye - Magnar (54.9 Bulk) | | 0.00 |
| 4 | PLS | 2-JR111-90B | Big bluegrass - Sherman (5.06 Bulk) | | 0.00 |
| 39.5 | PLS | BASA220 | Arrowleaf Balsamroot - Native (49.51 Bulk) | | 0.00 |
| 20 | PLS | 7W1805-58R | Small Burnet - Delar (20.47 Bulk) | | 0.00 |
| 2 | PLS | SIS5756 | Munro Globemallow - CID (2.12 Bulk) | | 0.00 |
| | | M-4868 | Range Site C - Alfalfa Box 50 acres | | 0.00 |
| 11.5 | PLS | INV127254 | Red Top (1.63 Bulk) | | 0.00 |
| 7.5 | PLS | 355-042-00A | Sheep Fescue - Covar (7.81 Bulk) | | 0.00 |
| 4 | PLS | 2.415850 | Kentucky Bluegrass - Ginger (4.33 Bulk) | | 0.00 |
| 24 | PLS | 442-535-70B | Green Needlegrass - Lodorm (26.64 Bulk) | | 0.00 |
| 11.5 | PLS | 442-542-217A | Indian Ricegrass - Utah (13.11 Bulk) | | 0.00 |
| 2 | PLS | NBS-BP20-EAG-1 | Western Yarrow - Eagle (2.46 Bulk) | | 0.00 |
| 15 | PLS | W42-488-5096C | Cicer Milkvetch - Monarch (16.59 Bulk) | | 0.00 |
| 30.5 | PLS | 2021.0474 | Lewis Flax - Maple Grove (39.65 Bulk) | | 0.00 |

| | | | |
|--|--|--|-------------------|
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