

CRIPPLE CREEK AND VICTOR GOLD MINE INTEGRATED WEED MANAGEMENT REPORT

November 2022

Prepared for:

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CC&V 2022 Integrated Weed Management Report

INTRODUCTION

Habitat Management, Inc. (Habitat Management) performed noxious weed management at Cripple Creek & Victor Gold Mine (CC&V Gold Mine) for Newmont Mining Corporation during the 2022 growing season. Three herbicide treatment sessions were scheduled to treat weeds species growing within the property boundary and surrounding locations. The seven noxious weed species monitored and treated in 2022 are listed in Table 1.

Table 1: Noxious Weed Species Treated During 2022

Common Name (<i>Scientific Name</i>)	State Listing
Bull thistle (<i>Cirsium vulgare</i>)	B
Canada thistle (<i>Cirsium arvense</i>)	B
Dalmatian toadflax (<i>Linaria dalmatica</i>)	B
Musk thistle (<i>Carduus nutans</i>)	B
Scotch thistle (<i>Onopordum acanthium</i>)	B
Yellow toadflax (<i>Linaria vulgaris</i>)	B
Common mullein (<i>Verbascum thapsus</i>)	C

PERMITTING AND REGULATIONS

Habitat Management maintains compliance with the Colorado Water Quality Control Act and the Colorado Discharge Permit System (CDPS) for herbicide applications made to or near waters of the U.S. Habitat Management complies with the applicator responsibilities outlined in the CDPS Pesticide General Permit (PGP) and meets the requirements for record keeping and annual reporting. Habitat Management maintains records of linear feet sprayed to aquatic areas as defined by the PGP and keeps the total linear feet on file for annual threshold determination and reporting. Thresholds were not exceeded at CC&V Gold Mine during 2022 treatments, thus CDPS annual reporting is not required.

Pesticide Licensing and Applicator Requirements

Habitat Management conducted noxious weed control treatments under the state of Colorado Qualified Supervisor Applicator ID number 32504 held by Mark Ray. Additionally, herbicides were applied by technicians trained in plant species identification, herbicide application, and pesticide safety. Applicator technician training is required by the state and is documented annually. Training records are kept for three years by Habitat Management and are available for Colorado Department of Agriculture inspections.

Federal law requires Commercial Pesticide Applicators follow all herbicide label requirements including restrictions on lands in which products can be applied to, application rates, and applicable Personal Protective Equipment (PPE). Herbicide applicators followed the Worker Protection Standards (WPS) enforced by the EPA. Herbicide labeling and Safety Data Sheets (SDS) were approved before herbicide products were brought onto CC&V Gold Mine property, and all herbicide labels and SDS pertaining to the herbicides applied at CC&V Gold Mine were available during the application process.

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Under the Endangered Species Act, Commercial Pesticide Applicators are required to check monthly for herbicide treatment restrictions for counties that they operate in prior to commencing applications. There were no herbicide restrictions in place during the months of July and August for Teller County. Therefore, an Endangered Species Protection Bulletin is not required to be kept in the applicator's records.

Herbicide Application Records

The Colorado Department of Agriculture's regulations require Licensed Commercial Applicators maintain accurate pesticide application records for all herbicides applied. Application records must be retained by Habitat Management for a minimum period of three years and must include eleven requirements set forth by the Colorado Department of Agriculture's Rules and Regulations pertaining to the Administration and Enforcement of the Pesticide Applicators' Act. Application records were kept for all treatments implemented at CC&V Gold Mine and are included in Attachment A: Herbicide Application Records.

SUMMARY OF WEED MANAGEMENT ACTIVITIES

All applicators were MSHA Part 46 & 48 trained prior to beginning work on the property, and applicators were trained by the Newmont Mining Environmental group as part of the annual contractor on-boarding program.

Habitat Management used Best Management Practices to prevent the potential spread of noxious weeds at CC&V Gold Mine. Herbicides were spot applied using Stihl SG20 backpack sprayers and a Kubota UTV-mounted spray rig. Equipment was cleaned prior to and after treatment activities, and equipment was calibrated prior to application and periodically checked during the application process. Herbicides were applied to reclaimed rangeland, disturbed areas, ephemeral drainageways, and building perimeters. Equipment was triple rinsed between changing herbicide products.

A variety of herbicide combinations were used to target the specific growth characteristics of noxious weed species present within CC&V Gold Mine property and surrounding areas. Herbicides with different active ingredients were combined to optimize treatment effectiveness on targeted plant species. Only broadleaf selective herbicides were chosen to treat noxious weed species within reclaimed rangeland, disturbed areas, and rights-of-way. Broadleaf selective herbicides have a very low potential for injury to surrounding desirable grass species. Herbicide application rates were carefully chosen to effectively treat plants while staying in compliance with recommended label rates for the target species. A surfactant was used during all applications to increase leaf adhesion and absorption in dusty or wet conditions. Hi-Light Blue Indicator Dye was added for safety and as a visual aid for tracking applications which helps prevent under or over application of herbicides to targeted areas.

The locations of noxious weeds treated in 2022 were recorded using GPS Dataloggers. The specific information on the various species treated and their location has been provided to Newmont Mining Corporation in shapefile format. Herbicide application records were filled out daily for all treatments performed. Application records include the date and time applications took place, names of applicators, what area the treatment occurred at, what products were applied, product application rates, targeted species, and weather conditions at time of treatment. The herbicides applied, their active ingredients, application rate, targeted species acres treated with herbicides and acres surveyed are included in Table 2: Summary of Herbicide Application Records. Note,

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cumulative acres treated, and the number of gallons applied are based off calibrated spray equipment. The total number of acres surveyed is the areas covered during the treatment process.

Table 2: Summary of Herbicide Application Records

Areas Treated	Chemical Products Applied	Application Rate	Species Targeted	Cumulative Area Treated with Herbicide (acres)
First Treatment Session 8/1/2022 - 8/4/2022				
Altman Backfill, ADR2, Ecosa Tow Road, VLF1, ADR1, Phase 5, PSES, Crusher and Conveyor Roads, Squaw Gulch	Hi-Light Blue Dye	16 fl oz/acre	Common mullein, Bull thistle, Canada thistle, Musk thistle, Scotch thistle, Dalmatian toadflax, Yellow toadflax	8.5
	MSO - Adjuvant	16 fl oz/acre		
	Weedar 64	32 fl oz/acre		
	Opensight	3 weight oz/acre		
Carlton Tunnel	Hi-Light Blue Dye	16 fl oz/acre	Bareground Treatment	1
	MSO - Adjuvant	16 fl oz/acre		
	Weedar 64	32 fl oz/acre		
	Ranger Pro	128 fl oz/acre		
Second Treatment Session 8/29/2022 - 9/1/2022				
VLF2 top soil stockpile, Ecosa Tow Road, Providence Mine, Poverty Gulch Roads, Altman Backfill	Hi-Light Blue Dye	16 fl oz/acre	Common mullein, Canada thistle, Musk thistle, Dalmatian toadflax, Yellow toadflax	13
	MSO - Adjuvant	16 fl oz/acre		
	Weedar 64	32 fl oz/acre		
	Opensight	3 weight oz/acre		
Third Treatment Session 9/6/2022 - 9/9/2022				
Radio Tower above Altman, Little Grouse Trail, Topsoil Stock pile by ADR1, Topsoil stockpile by Ecosa Tow Road, Topsoil Stockpile by VLF2, Road from Victor to Altman, Ma Beards, Disturbed areas near Fuel Island, Topsoil Stockpile by Lyme storage area	Hi-Light Blue Dye	16 fl oz/acre	Common mullein, Canada thistle, Musk thistle, Dalmatian toadflax, Yellow toadflax	6
	MSO - Adjuvant	16 fl oz/acre		
	Weedar 64	32 fl oz/acre		
	Opensight	3 weight oz/acre		
Total Area Treated (acres)				28.5
Approximate Cumulative Area Surveyed Within the Affected Lands Boundary (acres)				511

Noxious Weed Survey and Data Collection

Noxious weed locations were assigned priorities by CC&V Gold Mine before herbicide applications were performed. Additionally, information about previously treated areas by Habitat Management was used to provide locations of historic infestations. Over time, Habitat Management collected survey data and developed a GIS database to track weed infestations. The GIS database is updated annually to track infestations as herbicide applications take place. GIS data collected during 2022 treatments was gathered using GPS Datalogger software which simultaneously records treatments while herbicide is applied.

ArcMap 10.5.1 was used to post process the GIS data collected during each treatment. Treatment data was then compiled into shapefile format and submitted to CC&V Gold Mine. This data provides a record of known infestations and identifies new infestations. The data shows the size reduction in weed infestations and helps to direct the field crew to new treatment areas. Habitat Management surveyed approximately 511 acres of land in 2022, and herbicides were applied to

28.5 acres of weed infestations. All shapefiles with point data have been provided to CC&V Gold Mine.

DISCUSSION OF TREATMENT AREAS

An Integrated Weed Management Program (IWMP) that includes prevention of noxious weed infestations, monitoring of noxious weed outbreaks, and alternative control strategies were reviewed. Chemical control of noxious weeds was chosen as the most effective way to manage infestations at CC&V Gold Mine. It is important that CC&V Gold Mine continue practicing weed dispersal prevention whenever possible, such as by keeping your vehicles clean while traveling to different parts of the mine. It is also good practice to use Weed Free Straw, Hay, or other certified weed free products whenever possible as this method can greatly reduce reinfestations of new weed species. In order for reclamation to be more successful, topsoil stockpiles should continue to be managed for noxious weeds and treated accordingly.

Herbicide applications were scheduled to treat biennial noxious weeds prior to flowering, thus maximizing herbicide efficiency and minimizing seed production. Perennial/rhizomatous noxious weeds were treated while plants were actively growing, which is when herbicides are readily translocated into the plants root system. Spot-applications were used on targeted weeds, thereby minimizing herbicide impacts on desirable vegetation.

Three treatment sessions were scheduled during the 2022 growing season to help manage weeds to acceptable levels required by the Newmont Mining Corporation's reclamation program. Noxious weed treatments were implemented to contain widespread infestations and potentially eradicate isolated occurrences.

Noxious weeds were treated in accordance with the state of Colorado's rules and regulations regarding noxious weed control. The focus of the treatment sessions in 2022 were to locate and treat List "A" and List "B" species. The Colorado Noxious Weed Program states that landowners and land managers in Colorado are required to eradicate all List "A" species. No List "A" noxious weeds were located at CC&V Gold Mine during 2022 applications. The Colorado Noxious Weed Program also states that, in consultation with the state noxious weed advisory committee, local governments, and other interested parties, land owners and land managers develop and implement state noxious weed management plans designed to stop the continued spread of all List "B" species. Furthermore, landowners and managers are encouraged to develop and implement state noxious weed management plans for all List "C" species on private and public lands. List "C" species were treated where noxious weeds were currently impacting desirable vegetation communities within reclaimed areas of the mine.

Treatment Overview

Three treatment sessions were performed in the 2022 growing season. The first treatment session was implemented August 1 through August 4; the second treatment session was implemented August 29 through September 1, and the third treatment session was implemented September 6 through September 9. Treatments concentrated on areas of reclamation, road corridors, topsoil stockpiles, hiking trail systems, and areas that are considered high vectors for weeds to establish and spread. Habitat Management targeted state listed noxious weeds throughout the mine property.

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First Treatment Session: 8/1/2022 - 8/4/2022

Habitat Management treated noxious weeds at the Altman Backfill, Crusher and Conveyor Belt Roads, ADR1 and ADR2 Drainage Areas, Phase 5, and the Ecosa Tow Roads. The drainage ways that leave CC&V Gold Mine are important to manage for noxious weeds to prevent the spread to areas downstream of the mine property. The Crusher and Conveyor Belt roads were treated to the best of Habitat Management's ability. These areas had a widespread infestation of noxious weeds with not a lot of access for the staff.

Habitat Management inspected the Carlton Tunnel outfall for noxious weeds and did not identify any on the property. Habitat Management applied Ranger Pro, a non-selective herbicide, to the property to treat the existing vegetation on the access road to the tunnel.

Second Treatment Session: 8/29/2022 – 9/1/2022

During the second herbicide treatment session of 2022, Habitat Management proceeded to finish the herbicide treatment on the Ecosa Tow Road. The road system in Poverty Gulch was inspected and noxious weeds were treated where accessible to staff. There are plenty voids and hazards in this area and Habitat Management stayed on the roads and didn't venture off to avoid these dangers.

The VLF2 Top Soil Stock pile was treated during the second herbicide treatment by Habitat Management. With access roads on the top and bottom of the stockpile Habitat Management was more effective in treating the noxious weeds here. With an underground fire occurring on the east side of the stockpile in the past, Habitat Management avoided this area and the unsafe conditions around it.

Providence Mine was first treated in 2019 by Habitat Management. In 2019, the infestation of musk and Canada thistle was very widespread on the slope from the mine to CR 67. In 2020, the size of the infestation was less dense and with few flowering biennial noxious weeds, suggesting that herbicide treatments are working in noxious population elimination. In 2022, Habitat Management targeted the noxious weeds inside the posted signs. The noxious weed infestations were much smaller in size than in 2019.

Third Treatment Session: 9/6/2022 - 9/9/2022

Habitat Management treated the following areas during the third treatment session of 2022: Radio Tower above Altman, Little Grouse Trail, Topsoil Stock pile by ADR1, Topsoil stockpile by Ecosa Tow Road, Ma Beards, Disturbed areas near Fuel Island, Topsoil Stockpile by Lyme storage area, and the road near Vindicator Trail. After treating some of the heavier infested areas on the property, Habitat Management proceeded to treat smaller and lesser infested areas.

Considerations and Recommendations for 2023 Weed Control

Herbicide treatments should continue within similar locations until noxious weed infestations are at acceptable levels of control or are eliminated entirely. Reclamation, topsoil stockpiles, frequently visited road corridors, and trail system networks should also be considered when prioritizing treatments. Concentrating treatments to areas where previous applications have taken place will help eradicate noxious weeds by reducing noxious seed banks that have been dispersed into these areas of previous establishment. With continuing treatments in these areas, the populations will become under control, which allows the applicators to spend less time in these areas and move on to other areas that need more intense noxious weed management. It is important that we do not leave areas unchecked now that population has started to decline because it opens them up to unchecked reproduction which could lead to an increase infested area. Herbicide treatments are recommended to be scheduled in mid-summer 2023 and again in late-summer 2023, prior to plants setting seed.

In areas of reclamation, native vegetation is already abundant. Care was taken while treating inside the reclamation areas during, and as a result desirable vegetation has become more prolific with the reduced weed competition. Continuing to control noxious weeds using selected herbicides and careful treatment methods will eradicate weed species allowing desirable native vegetation to grow and sustain ground cover once inhabited by weeds. Herbicide combinations should be changed from 2022 applications to minimize potential chemical resistance in plant species and chemical buildup within the soil. Chemicals will be carefully selected for optimum effectiveness on the identified species present at CC&V Gold Mine, while staying in compliance with herbicide rates and labeling.

Habitat Management recommends 2022 treatment areas be prioritized based on the following conditions:

- 1) Infestation levels
- 2) Potential to spread
- 3) Ability to Eradicate Species

Infestation levels can be measured by evaluating population extent and density. Infestations can then be ranked for priority of treatment based on these parameters. Most of the infestations treated in 2022 were moderate to high density, and infestations were widely dispersed. Widespread and densely populated infestations will be treated from the outside, and from the upper most part of the slope to contain infestations from extending further into reclamation and non-disturbed areas.

The potential for infestations to spread will be determined by inspecting each species' impact to surrounding areas. Infestations in areas with a high potential to disperse by means of water, wind, equipment, vehicular and foot traffic are given the highest priority. The ADR2 drainageway from County Road 67 that flows into Squaw Gulch and eventually into Cripple Creek is considered a high priority of treatment due to their availability to disperse noxious weeds to surrounding areas. The Topsoil Stockpiles should all be targeted for noxious weed control in order to lower the spread of seed through the soil. The stockpiles are acting like reservoirs, due to any already established seed bank, causing widespread infestations of noxious weeds to adjacent areas. When this topsoil is used for reclamation, it will be spreading the seeds into more areas of the CC&V Gold Mine property. The roadways in Poverty Gulch should receive attention in 2023 as well. With the disturbance from the tree removal and the heavy use of equipment throughout the area, noxious

weeds could quickly establish themselves before the native vegetation becomes established, limiting this habitat's system functionality.

CONCLUSIONS

Road corridors, topsoil stockpiles, and drainageways continue to be high vectors for weeds to spread around the property. It has been identified in this report that priority areas for 2023 treatments will include the Stockpiles, Phase 5 upper and lower areas, Phase 2 area, Poverty Gulch, VLF2, Squaw Gulch and Ma Beards. List "B" and List "C" species were dominate on CC&V Gold Mine property where daily operations occur, and by the surrounding trail head and trail systems that are visited by numerous vehicles and foot traffic. Persistent treatments performed in these reclaimed and disturbed areas will suppress infestation levels and reduce the chance for weeds to spread to other areas of the mine. However, treatments that are implemented in areas where noxious weeds have the means to spread have the potential to outcompete treatment efforts. Partial treatments in these areas are not an effective form of treatment, and a more thorough, long-term control strategy at CC&V Gold Mine should be considered. Transformers, generators, heaters, and gas stations should be inspected again in 2023 to determine if ground sterilization treatments are required to prevent germination of undesirable vegetation and eradicate existing vegetation.

Furthermore, GIS mapping of infestations and noxious weed locations will assist in prioritizing areas for future treatment operations and help to track the progress of these applications made from one year to the next. Timing of herbicide applications continues to be a key strategy for control, and by prioritizing treatment locations, herbicides applications will continue to be an effective tool in helping Newmont Mining Company establish a healthy plant community.

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Attachment A: Herbicide Application Records

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Altmon backfill

Date: 8/1/2022 1:17 PM to 4:30 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Partly Cloudy 70 degrees F. **Wind:** 2 mph out of S

Site/Crop: Disturbed Area, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	12 fl oz	fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	16 fl oz	fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfon 9.45%	3 Oz (weight) per acre	3 Oz (weight)	Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	32 fl oz	fl oz per gallon

Total Application: 1 acre

Application Notes: Treated lower area of altmont

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Crusher

Date: 8/2/2022 6:38 AM to 12:28 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 66 degrees F. **Wind:** 1 mph out of S

Site/Crop: Right-of-way, Non-Crop Industrial

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	32 fl oz	fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	32 fl oz	fl oz per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	64 fl oz	fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	6 Oz (weight)	Oz (weight) per gallon
	fl oz per	fl oz	fl oz per gallon

Total Application: 2 acre

Application Notes: Treated roads around crusher and conveyor belt. Avoided working near active conveyor belt

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Adr2

Date: 8/2/2022 1:07 PM to 3:02 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 65 degrees F. **Wind:** 1 mph out of S

Site/Crop: Right-of-way, Natural Area

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	16 fl oz	fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	16 fl oz	fl oz per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	32 fl oz	fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfon 9.45%	3 Oz (weight) per acre	3 Oz (weight)	Oz (weight) per gallon

Total Application: 1 acre

Application Notes: Treated below adr2 in squaw gulch

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 8/3/2022 6:20 AM to 5:10 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Partly Cloudy 68 degrees F. **Wind:** 3 mph out of S

Site/Crop: Disturbed Area, Right-of-way, Non-Crop Industrial

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Bull - Cirsium vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Thistle, Scotch - Onopordum acanthium/tauricum - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia - List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	56 fl oz	fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	56 fl oz	fl oz per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	112 fl oz	fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfuron 9.45%	3 Oz (weight) per acre	10.5 Oz (weight)	Oz (weight) per gallon

Total Application: 3.5 acre

Application Notes: Treated vlf1, adr1, adr2. Treated noxious weeds around adr1 and adr2 facilities. Treated around pses building and below building around bridge. Treated phase 5 area and roadway

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Carlton

Date: 8/4/2022 7:19 AM to 9:33 AM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 60 degrees F. **Wind:** 1 mph out of S

Site/Crop: Right-of-way

Target Plants: All Vegetation (Bare Ground Treatment)

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	12 fl oz	fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	16 fl oz	fl oz per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	48 fl oz per acre	48 fl oz	fl oz per gallon
Ranger Pro - 524517 - Glyphosate 41%	128 fl oz per acre	128 fl oz	fl oz per gallon

Total Application: 1 acre

Application Notes: Treated roadways around Carlton tunnel

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 8/4/2022 10:13 AM to 2:23 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 70 degrees F. **Wind:** 2 mph out of E

Site/Crop: Right-of-way, Non-Crop Industrial

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	16 fl oz	fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	16 fl oz	fl oz per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	32 fl oz	fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	3 Oz (weight)	Oz (weight) per gallon

Total Application: 1 acre

Application Notes: Finished treating around adr2 and treated around ironclad and nearby facilities. Treated Conley construction road.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 8/29/2022 10:00 AM to 4:30 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	32 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	32 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	6 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	64 fl oz	0.00 fl oz per gallon

Total Application: 2 acre

Application Notes: Treated the upper area at the Altman Backfill and treated the road corridors in Poverty Gulch

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 8/30/2022 6:34 AM to 4:09 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	40 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	40 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfuron 9.45%	3 Oz (weight) per acre	7.5 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	80 fl oz	0.00 fl oz per gallon

Total Application: 2.5 acre

Application Notes: Finished treating Poverty Gulch and treated lower portion of topsoil stock pile at VLF2

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 8/31/2022 6:25 AM to 4:27 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	72 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	72 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	13.5 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	144 fl oz	0.00 fl oz per gallon

Total Application: 4.5 acre

Application Notes: Treated Providence Mine inside of the posted signs. Also treated the upper portion of the topsoil stockpile by VLF2

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 9/1/2022 6:25 AM to 2:07 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark Kreuzman, Ryan Byrne

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	64 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	64 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfuron 9.45%	3 Oz (weight) per acre	12 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	128 fl oz	0.00 fl oz per gallon

Total Application: 4 acre

Application Notes: Finished treating VLF2 topsoil stockpile. Also finished treating the Ecosa Tow Road corridor

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 9/6/2022 9:25 AM to 4:29 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark_Kreuzman, RyanB

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	48 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	48 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	9 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	96 fl oz	0.00 fl oz per gallon

Total Application: 3 acre

Application Notes: treated disturbed area near fuel island, Also treated top soil stockpile near the lyme storage area

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 9/7/2022 6:17 AM to 5:00 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark_Kreuzman, RyanB

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	48 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	48 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	9 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	96 fl oz	0.00 fl oz per gallon

Total Application: 3 acre

Application Notes: Finished treating top soil stockpile, treated ma beards area, treated road on south side of mine near Victor.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 9/8/2022 5:14 AM to 2:51 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark_Kreuzman, RyanB

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	48 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	48 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	9 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	96 fl oz	0.00 fl oz per gallon

Total Application: 3 acre

Application Notes: Finished road near Victor. Treated top of topsoil stockpile near Ecosa Road. Treated stockpile near VLF2

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cresson Project - CC&V Gold Mine **County:** Teller County

Date: 9/9/2022 5:14 AM to 2:51 PM

Customer: Newmont Mining Corporation 100 N. 3rd St. Victor, CO 80860

Qualified Supervisor: Mark Ray #32504

Applicators: Mark Ray #32504, Mark_Kreuzman, RyanB

Weather: Sunny 70 degrees F. **Wind:** 1 mph out of N

Site/Crop: Rangeland, Right-of-way

Target Plants: Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia- List B, Toadflax, Yellow- Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 35 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	16 fl oz per acre	32 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	32 fl oz	0.00 fl oz per gallon
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	6 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	64 fl oz	0.00 fl oz per gallon

Total Application: 2 acre

Application Notes: Treated around radio tower. Treated Little Grouse trail and top soil stock pile across highway from ADR1

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

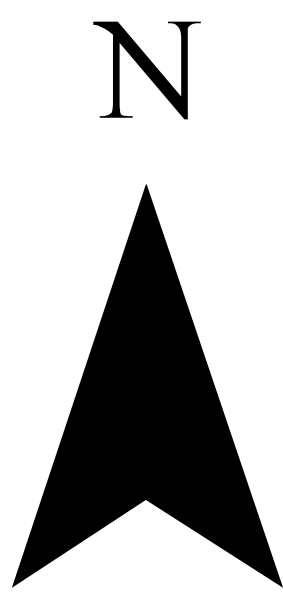
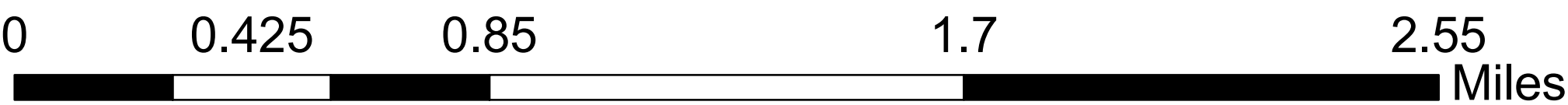
Were any adverse incidents identified?



Legend

Species

- | | |
|------------------|----------------------|
| • Common mullein | • Musk thistle |
| • Canada thistle | • Dalmatian toadflax |
| | • Yellow toadflax |



Cripple Creek & Victor

2022 Herbicide Treatment Locations



Drawn by: JF

Date: 11/30/2022

REVISIONS