



## Keenesburg Mine Site Inspection Report

3rd Quarter

9/8/2021

Inspected By: Matt Clark

### **Boundary, Fence & Facilities**

**Missing Boundary Markers:** No

**Fence Repairs:** No

**Precipitation Gage Issues:** No

Visual inspection of weather gage is documented. Refer to site map.

**Other Facilities Issues:** No

### **Weeds & Pests**

**Noxious Weeds:** Yes

Species: Cheatgrass/Downy brome - *Bromus tectorum* - List C, Puncturevine - *Tribulus terrestris* - List C  
Puncturevine plants noted in Area 36 and Area 44. Locations are sparse. Cheatgrass infestations have been noted on site map for treatment in 2022 following 2021 revegetation.

**Nuisance Weeds (impacting desirable reclamation):** Yes

Species: Russian thistle (*salsola*)  
Most dominant in Area 2, Area 25, and Area 29. Plants were mowed on Sept 1 in Area 25, prior to seed development, and treatments have been documented. Refer to site map.

**Pests:** No

Species:

### **Vegetation Establishment & Health**

**Low Density Vegetation Areas:** Yes

Map areas to develop revegetation plan. Plan should consider soil fertility, compaction, and erosion issues. Refer to site map  
**Areas of Poor Health:** No

Ailment(s):

### **Erosion**

**Excessive Erosion:** No

Description: Stormwater sheet flows

Sheet flows and their locations have been documented. Refer to site map

**New BMPs Required:** No

**BMPs Requiring Maintenance:** No

## **Site Management Summary**

Site Management Activities Requiring Follow-up: Yes

Specific Task(s): Noxious Weed Management, Nuisance Weed Management, Supplemental Seeding

Noxious weed management (cheatgrass control) should be performed 2022 following revegetation in fall of 2021. Treatment methods should include mowing of cheatgrass infestations in post revegetation areas until desirable vegetation is established. Preemergent herbicide applications may follow pending the establishment of desirable vegetation (in revegetated areas)

### **Photos**



Little to no desirable grass establishment throughout Area 42. Add area to revegetation plan (photo 1)



Distinct vegetation line between Area 37 (left) and Area 44 (right) . Add area to revegetation plan (photo 2)



No desirable grass establishment in Area 42. Add area to revegetation plan (photo 3)



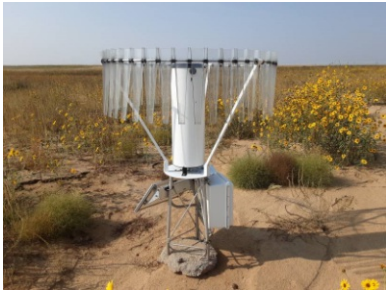
Selective patches of desirable and undesirable vegetation. Delineate area for revegetation plan (photo 4)



Area 36: Sheet flows to the northeast (photo 5)



Area 36: Sheet flows towards the east (photo 6)



Weather Station (photo 7)



Area 25: Area mowed to control salsola (Russian thistle) photo 8

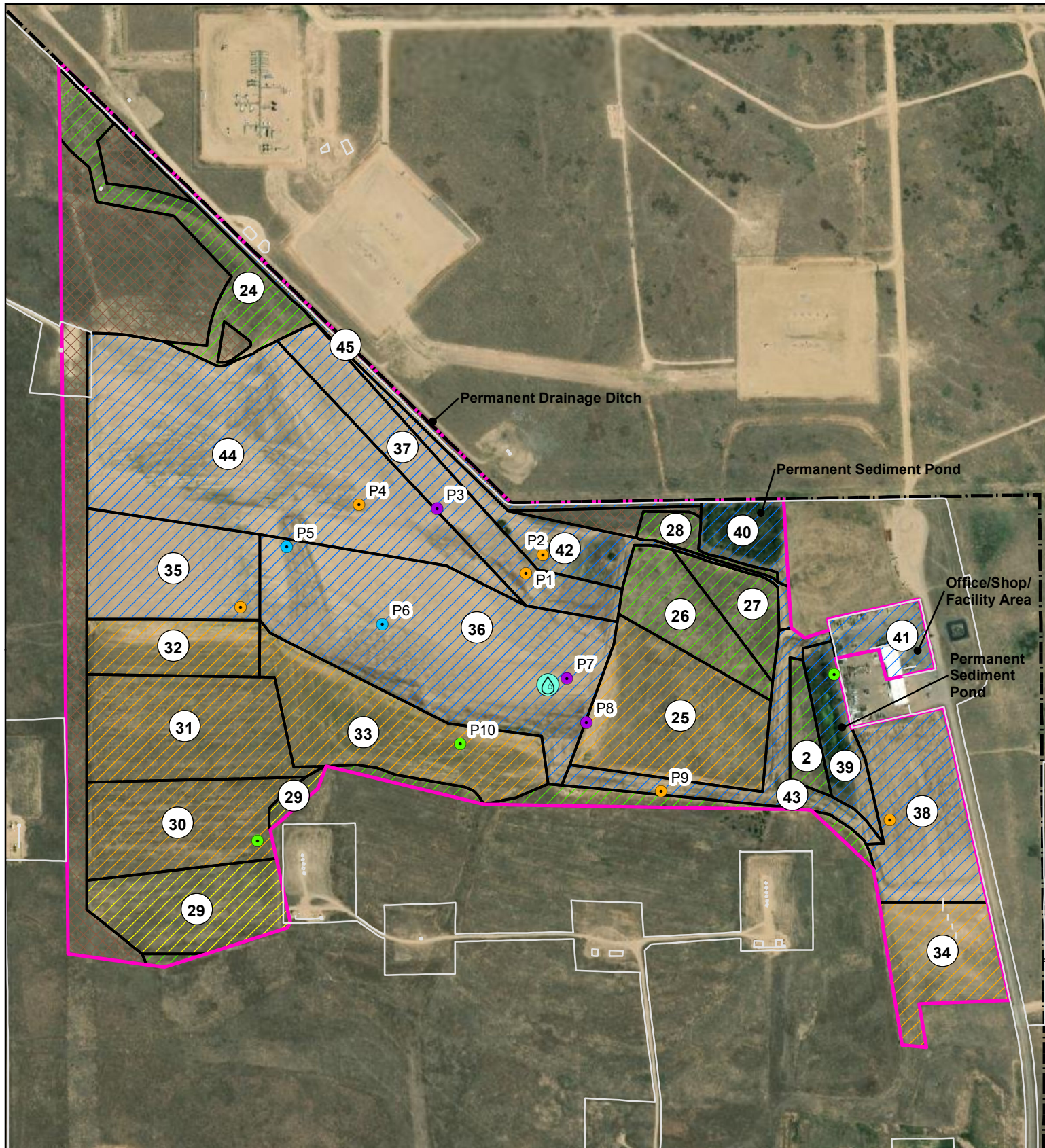


Haul Road: Desirable vegetation in isolated locations of haul road (photo 8) Consider selective ripping and reseeding in this area



Area 33: Control cheatgrass (photo 10). Control isolated cheatgrass locations in Area 30 and Area 39 using a preemergent herbicide product in areas that have not been revegetated in fall of 2021





### Action Items

- |                            |                        |                    |
|----------------------------|------------------------|--------------------|
| ● Low Density Vegetation   | Phase III Bond Release | Permit Boundary    |
| ● Cheatgrass               | Phase II Bond Release  | Fence              |
| ● Water Erosion            | Phase I Bond Release   | Precipitation Gage |
| ● Photo Point (see report) | Pending Phase I        |                    |
|                            | Undisturbed Area       |                    |

0 500 1,000  
Feet



## COORS ENERGY KEENESBURG MINE

*3rd Quarter 2021 Site Inspection*



Date: 9/8/2021

Drawn by: RB

Checked by: MC