

**Well ID: GM 204-29**

Monitor Date: 7/26/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2003

**Vegetation Community:** Oak Brush Mountain Shrubland With juniper.

## VEGETATION

**Total Acceptable Vegetation % Cover:** 21.34

**Reference Area % Cover:** 31.2

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 89.18 Forbs 2.702 Shrubs 8.107

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

**Comments** Good shrubs w/ some sparse areas.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass interspersed. Erodium Present.

**Undesirable Species <5% of Total Cover:** < 5%

## EROSION

**Erosion Issues:** Rills >3"

Erosion photo 1: large rill on east /northeast side looking east Erosion photo 2: rill on east portion looking east Erosion photo 3: rills on east portion looking northeast Erosion photo 4: rills on south /southwest portion looking southeast Erosion photo 5: gully on west portion looking east

### BLM RECLAMATION TIMETABLE:

% Area in Use:	10
% Monitor:	85
% Acceptable:	5
% Reclamation Complete:	0
% Restored:	0

### Additional work needed to obtain 90% cover:

Overseed sparse areas.

### Major Facilities Issues:

### Additional Comments:

**VEGETATION DATA****Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Bromus inermis		2	0	0.67		0	0	0
Pascopyrum smithii	6	10	38	18	0	0	24	8
Unknown Atriplex 2	6			2	0			0
Unknown Fabaceae 3		2		0.67		0		0
<b>Total Acceptable Cover</b>	<b>12</b>	<b>14</b>	<b>38</b>	<b>21.34</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>8</b>
<b>Undesirable Species</b>								
Bromus tectorum	4	6	0	3.33	0	0	0	0
<b>Total Undesirable Cover</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>3.33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Vegetative Cover:</b>	<b>16</b>	<b>20</b>	<b>38</b>	<b>24.67</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>8</b>
Litter	16	44	36	32	26	60	52	46
Rock	6	0	0	2	10	0	0	3.33
Standing Litter		2	4	2		2	0	0.67
<b>Total Non-Vegetative Cover</b>	<b>22</b>	<b>46</b>	<b>40</b>	<b>36</b>	<b>36</b>	<b>62</b>	<b>52</b>	<b>50</b>
<b>Total Cover</b>	<b>38</b>	<b>66</b>	<b>78</b>	<b>60.67</b>	<b>36</b>	<b>62</b>	<b>76</b>	<b>58</b>
Bare	62	34	22	39.33	64	38	24	42

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	89.18		
Agropyron cristatum	1		2.702	
Atriplex canescens	Observed			8.107
Atriplex confertifolia	1			
Bassia scoparia	Observed			
Bromus arvensis	1			
Bromus inermis	2	1	15	S
Bromus tectorum	3	2	20	SE
Chrysothamnus viscidiflorus	Observed	3	20	E
Elymus lanceolatus	Observed			
Erodium cicutarium	Observed			
Ericameria nauseosa	Observed			
Eremopyrum triticeum	Observed			
Halogeton glomeratus	Observed			
Lactuca serriola	Observed			
Leymus cinereus	1			
Lepidium perfoliatum	Observed			
Medicago sativa	3			
Pascopyrum smithii	3			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	Observed			
Tragopogon dubius	Observed			
Unknown Atriplex 2	1			
Unknown Fabaceae 3	1			

Unknown Fabaceae 8      Observed

## GM 204-29



GM 204-29 North

Photo Date: 7/26/2008

X: 2259075.02333 Y: 1613505.67530



GM 204-29 East

Photo Date: 7/26/2008

X: 2258997.00516 Y: 1613675.77628



GM 204-29 South

Photo Date: 7/26/2008

X: 2258993.36755 Y: 1613673.30408



GM 204-29 West

Photo Date: 7/26/2008

X: 2259112.14775 Y: 1613593.44794



GM 204-29 Sample Point 1

Photo Date: 7/26/2008

X: 2258855.85444 Y: 1613543.94082



GM 204-29 Sample Point 2

Photo Date: 7/26/2008

X: 2259052.56560 Y: 1613716.14210



GM 204-29 Sample Point 3

Photo Date: 7/26/2008

X: 2259159.25038 Y: 1613646.09364



GM 204-29 Erosion Picture 1

Photo Date: 7/26/2008

X: 2259105.71054 Y: 1613598.91032

## GM 204-29



GM 204-29 Erosion Picture 2

Photo Date: 7/26/2008

X: 2259096.31439 Y: 1613558.92217



GM 204-29 Erosion Picture 3

Photo Date: 7/26/2008

X: 2259068.67994 Y: 1613516.11933



GM 204-29 Erosion Picture 4

Photo Date: 7/26/2008

X: 2258935.52943 Y: 1613512.90641



GM 204-29 Erosion Picture 5

Photo Date: 7/26/2008

X: 2258802.54319 Y: 1613552.20358

**Well ID: GM 21-12**

Monitor Date: 8/5/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2003

**Vegetation Community:** Pasture / Agricultural

## **VEGETATION**

**Total Acceptable Vegetation % Cover:** 2.67

**Reference Area % Cover:** n/a

**Relative % Cover of:** Grasses 31.42 Forbs 68.55 Shrubs 0

### **Desirable Vegetation**

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

**Comments** Good shrub regrowth, but no forbs or grass.

### **Undesirable Vegetation**

**Noxious Weeds Present?** Yes Cheatgrass, knapweed, tamarisk and kochia interspersed.

**Undesirable Species <5% of Total Cover:** > 5%

## **EROSION**

**Erosion Issues:** None

### **BLM RECLAMATION TIMETABLE:**

% Area in Use: 10

% Monitor: 90

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

### **Additional work needed to obtain 90% cover:**

Weed control and overseed with desirables.

### **Major Facilities Issues:**

### **Additional Comments:**

VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Hordeum jubatum	2	0		0.67	0	0		0
Poa sp.			4	1.33			2	0.67
Unknown Aster 5	2			0.67	2			0.67
<b>Total Acceptable Cover</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>2.67</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>1.34</b>
<b>Undesirable Species</b>								
Bassia scoparia	22	16	0	12.67	2	0	0	0.67
Eremopyrum triticeum	0	2	14	5.33	0	0	8	2.67
Lepidium perfoliatum	0	0	8	2.67	0	0	0	0
<b>Total Undesirable Cover</b>	<b>22</b>	<b>18</b>	<b>22</b>	<b>20.67</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>3.34</b>
<b>Total Vegetative Cover:</b>	<b>26</b>	<b>18</b>	<b>26</b>	<b>23.34</b>	<b>4</b>	<b>0</b>	<b>10</b>	<b>4.68</b>
Litter	4	24	20	16	8	28	34	23.33
Rock	2	0	4	2	4	0	6	3.33
Standing Litter		2		0.67		0		0
<b>Total Non-Vegetative Cover</b>	<b>6</b>	<b>26</b>	<b>24</b>	<b>18.67</b>	<b>12</b>	<b>28</b>	<b>40</b>	<b>26.66</b>
<b>Total Cover</b>	<b>32</b>	<b>44</b>	<b>50</b>	<b>42.01</b>	<b>16</b>	<b>28</b>	<b>50</b>	<b>31.34</b>
Bare	68	56	50	58	84	72	50	68.67

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	1		31.42	
Bassia scoparia	3		68.55	
Bromus tectorum	2			0
Centaurea diffusa	1			
Chenopodium album	1			
Chrysothamnus viscidiflorus	1			
Cichorium intybus	Observed	1	0	(E)
Eremopyrum triticeum	3	2	0	(E)
Grindelia squarrosa	Observed	3	0	(E)
Hordeum jubatum	2			
Lactuca serriola	Observed			
Lepidium perfoliatum	3			
Melilotus officinalis	Observed			
Medicago sativa	Observed			
Poa sp.	1			
Polygonum aviculare	1			
Rumex crispus	Observed			
Sarcobatus vermiculatus	Observed			
Tamarix ramosissima	Observed			
Unknown Aster 5	1			
Unknown Panicum 1	Observed			



## GM 21-12



GM 21-12 North

Photo Date: 8/5/2008

X: 2276751.10870

Y: 1601327.71623



GM 21-12 East

Photo Date: 7/27/2008

X: 2276699.63016

Y: 1601398.21505



GM 21-12 South

Photo Date: 8/5/2008

X: 2276836.20408

Y: 1601490.92003

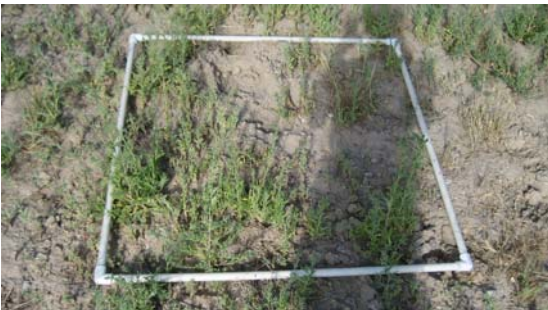


GM 21-12 West

Photo Date: 8/5/2008

X: 2276909.11517

Y: 1601407.92308



GM 21-12 Sample Point 1

Photo Date: 8/5/2008

X: 2276795.32702

Y: 1601406.25461



GM 21-12 Sample Point 2

Photo Date: 8/5/2008

X: 2276887.74051

Y: 1601401.93976



GM 21-12 Sample Point 3

Photo Date: 7/27/2008

X: 2276915.66962

Y: 1601351.13773



**Well ID: GM 217-33**

Monitor Date: 7/26/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2004

**Vegetation Community:** Salt Desert Scrubland Low Elevation

## VEGETATION

**Total Acceptable Vegetation % Cover:** 17.33

**Reference Area % Cover:** 25.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 100.0 Forbs 0 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

**Comments** Very few desirables.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass, unknown grass 1, and kochia dominate site.

**Undesirable Species <5% of Total Cover:** > 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 90

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Overseed with desirables.

### Major Facilities Issues:

### Additional Comments:

**VEGETATION DATA****Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Bromus inermis	2	10	16	9.33	2	6	6	4.67
Pascopyrum smithii	0	18	6	8	0	14	2	5.33
<b>Total Acceptable Cover</b>	<b>2</b>	<b>28</b>	<b>22</b>	<b>17.33</b>	<b>2</b>	<b>20</b>	<b>8</b>	<b>10</b>
<b>Undesirable Species</b>								
Bromus tectorum	6	2	0	2.67	0	0	0	0
Eremopyrum triticeum	26	4	4	11.33	8	0	0	2.67
<b>Total Undesirable Cover</b>	<b>32</b>	<b>6</b>	<b>4</b>	<b>14</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>2.67</b>
<b>Total Vegetative Cover:</b>	<b>34</b>	<b>34</b>	<b>26</b>	<b>31.33</b>	<b>10</b>	<b>20</b>	<b>8</b>	<b>12.67</b>
Litter	66	64	64	64.67	90	78	82	83.33
Rock	0	0	0	0	0	0	0	0
<b>Total Non-Vegetative Cover</b>	<b>66</b>	<b>64</b>	<b>64</b>	<b>64.67</b>	<b>90</b>	<b>78</b>	<b>82</b>	<b>83.33</b>
<b>Total Cover</b>	<b>100</b>	<b>98</b>	<b>90</b>	<b>96</b>	<b>100</b>	<b>98</b>	<b>90</b>	<b>96</b>
Bare	0	2	10	4	0	2	10	4

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible			
Bassia scoparia	Observed	Grasses	100.0	
Bromus inermis	3	Forbs	0	
Bromus tectorum	3	Shrubs	0	
Elymus lanceolatus	Observed			
Eremopyrum triticeum	3			
Lactuca serriola	1	<b>Transect</b>	<b>% Slope</b>	<b>Aspect</b>
Lepidium perfoliatum	Observed	1	3	S
Pascopyrum smithii	3	2	4	N
Poa sp.	Observed	3	5	S

## GM 217-33



GM 217-33 North

Photo Date: 7/26/2008

X: 2264955.45899 Y: 1611920.62061



GM 217-33 East

Photo Date: 7/26/2008

X: 2264835.81544 Y: 1611954.05145



GM 217-33 South

Photo Date: 7/26/2008

X: 2264938.07852 Y: 1612110.78302



GM 217-33 West

Photo Date: 7/26/2008

X: 2265049.37318 Y: 1612020.44436



GM 217-33 Sample Point 1

Photo Date: 7/26/2008

X: 2264851.95025 Y: 1612005.11333



GM 217-33 Sample Point 2

Photo Date: 7/26/2008

X: 2265013.91364 Y: 1611978.80474



GM 217-33 Sample Point 3

Photo Date: 7/26/2008

X: 2264924.47242 Y: 1612092.89746

**Well ID: GM 22-1**

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Not reclaimed

Graded and ripped.

**Approximate Seed Date:**

**Vegetation Community:** Pinon-Juniper Woodland South Aspect

## VEGETATION

**Reference Area % Cover:** 10.2

### Desirable Vegetation

**Appears vigorous and self sustaining?**

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

**Comments**

### Undesirable Vegetation

**Noxious Weeds Present?** Kochia, Russian thistle present.

**Undesirable Species <5% of Total Cover:**

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

**Additional work needed to obtain 90% cover:**

% Area in Use: 100

% Monitor: 0

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

**Major Facilities Issues:**

**Additional Comments:**

GM 22-1

VEGETATION DATA

Vegetation Cover		First Hit % Cover				Ground Hit % Cover			
Species	T1	T2	T3	Mean	T1	T2	T3	Mean	

No Data

Species List



## GM 22-1



GM 22-1 North

Photo Date: 7/24/2008

X: 2277421.88129

Y: 1605460.62549



GM 22-1 East

Photo Date: 7/24/2008

X: 2277331.69255

Y: 1605678.08807



GM 22-1 South

Photo Date: 7/24/2008

X: 2277514.98773

Y: 1605747.42090



GM 22-1 West

Photo Date: 7/24/2008

X: 2277622.68161

Y: 1605516.31714

**Well ID: GM 22-12**

Monitor Date: 8/5/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2003

**Vegetation Community:** Pasture / Agricultural

## VEGETATION

**Total Acceptable Vegetation % Cover:** 9.33

**Reference Area % Cover:** n/a

**Relative % Cover of:** Grasses 90.54 Forbs 9.531 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

**Comments** Has been heavily grazed.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Jointed goat grass on northeast portion, diffuse knapweed scattered, bindweed and cheatgrass interspersed.

**Undesirable Species <5% of Total Cover:** < 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 90

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Weed control and overseed with desirables. Don't graze until desirables are established.

### Major Facilities Issues:

### Additional Comments:

VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Agropyron cristatum	4	8	10	7.33	2	6	0	2.67
Bromus arvensis	0	6		2	0	0		0
<b>Total Acceptable Cover</b>	<b>4</b>	<b>14</b>	<b>10</b>	<b>9.33</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>2.67</b>
<b>Undesirable Species</b>								
Bromus tectorum	2		2	1.33	0		0	0
Eremopyrum triticeum	4	0	2	2	2	0	0	0.67
Lepidium perfoliatum	2	2		1.33	0	0		0
<b>Total Undesirable Cover</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>4.66</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0.67</b>
<b>Total Vegetative Cover:</b>	<b>12</b>	<b>16</b>	<b>14</b>	<b>13.99</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>3.34</b>
Litter	40	42	38	40	46	52	48	48.67
Rock	2	6	2	3.33	2	6	4	4
<b>Total Non-Vegetative Cover</b>	<b>42</b>	<b>48</b>	<b>40</b>	<b>43.33</b>	<b>48</b>	<b>58</b>	<b>52</b>	<b>52.67</b>
<b>Total Cover</b>	<b>54</b>	<b>64</b>	<b>54</b>	<b>57.32</b>	<b>52</b>	<b>64</b>	<b>52</b>	<b>56.01</b>
Bare	46	36	46	42.67	48	36	48	44

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Aegilops cylindrica	Observed	90.54		
Agropyron cristatum	3		9.531	
Bassia scoparia	1			0
Bromus arvensis	2			
Bromus tectorum	2			
Centaurea diffusa	Observed			
Chenopodium album	Observed			
Chrysothamnus viscidiflorus	1			
Convolvulus arvensis	Observed			
Eremopyrum triticeum	3			
Grindelia squarrosa	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	1			
Lepidium perfoliatum	2			
Melilotus officinalis	Observed			
Medicago sativa	1			
Pascopyrum smithii	1			
Plantago lanceolata	Observed			
Poa sp.	Observed			
Polygonum aviculare	Observed			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	Observed			
Tragopogon dubius	Observed			
Unknown Panicum 1	Observed			

Transect	% Slope	Aspect
1	0	(NE)
2	0	(E)
3	0	(E)

## GM 22-12



GM 22-12 North

Photo Date: 7/27/2008

X: 2277231.06954 Y: 1600609.30108



GM 22-12 East

Photo Date: 8/5/2008

X: 2277151.18343 Y: 1600781.25606



GM 22-12 South

Photo Date: 7/27/2008

X: 2277271.24888 Y: 1600835.79590



GM 22-12 West

Photo Date: 8/5/2008

X: 2277423.60805 Y: 1600670.33803



GM 22-12 Sample Point 1

Photo Date: 8/5/2008

X: 2277375.53662 Y: 1600715.63923



GM 22-12 Sample Point 2

Photo Date: 8/5/2008

X: 2277264.55105 Y: 1600727.30728



GM 22-12 Sample Point 3

Photo Date: 8/5/2008

X: 2277326.92462 Y: 1600633.21195

**Well ID: GM 222-33**

Monitor Date: 7/26/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:**

**Vegetation Community:** Pinon-Juniper Woodland South Aspect

## VEGETATION

**Total Acceptable Vegetation % Cover:** 28

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 92.46 Forbs 0 Shrubs 7.548

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☐ New Shoots

☐ Litter

**Size:** Healthy

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Healthy

**Comments** Good shrub growth, overall good.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass interspersed among desirables. Chicory and erodium present

**Undesirable Species <5% of Total Cover:** > 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 20

% Acceptable: 70

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Some overseeding in west and southwest portion.

### Major Facilities Issues:

### Additional Comments:



VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Agropyron cristatum		2		0.67		2		0.67
Atriplex canescens	8	0	0	2.67	0	0	0	0
Bromus inermis	0	2	4	2	0	2	4	2
Pascopyrum smithii	48	8	8	21.33	30	8	6	14.67
Thinopyrum ponticum			4	1.33			0	0
<b>Total Acceptable Cover</b>	<b>56</b>	<b>12</b>	<b>16</b>	<b>28</b>	<b>30</b>	<b>12</b>	<b>10</b>	<b>17.34</b>
<b>Undesirable Species</b>								
Bromus tectorum	4		18	7.33	2		12	4.67
<b>Total Undesirable Cover</b>	<b>4</b>		<b>18</b>	<b>7.33</b>	<b>2</b>		<b>12</b>	<b>4.67</b>
<b>Total Vegetative Cover:</b>	<b>60</b>	<b>12</b>	<b>34</b>	<b>35.33</b>	<b>32</b>	<b>12</b>	<b>22</b>	<b>22.01</b>
Litter	16	24	60	33.33	46	28	72	48.67
Rock	0	2	0	0.67	0	4	0	1.33
Standing Litter	6	6		4	0	0		0
<b>Total Non-Vegetative Cover</b>	<b>22</b>	<b>32</b>	<b>60</b>	<b>38</b>	<b>46</b>	<b>32</b>	<b>72</b>	<b>50</b>
<b>Total Cover</b>	<b>82</b>	<b>44</b>	<b>94</b>	<b>73.33</b>	<b>78</b>	<b>44</b>	<b>94</b>	<b>72.01</b>
Bare	18	56	6	26.67	22	56	6	28

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	1	92.46		
Astragalus cicer	1		0	
Atriplex canescens	3			7.548
Atriplex confertifolia	2			
Bassia scoparia	1			
Bromus arvensis	Observed	<b>Transect % Slope Aspect</b>		
Bromus inermis	3	1	Flat	(NE)
Bromus tectorum	2	2	8	NE
Chenopodium album	Observed	3	5	E
Chrysothamnus viscidiflorus	Observed			
Cichorium intybus	Observed			
Elymus lanceolatus	Observed			
Eremopyrum triticeum	Observed			
Lactuca serriola	1			
Leymus cinereus	Observed			
Lepidium perfoliatum	1			
Machaeranthera canescens	Observed			
Pascopyrum smithii	3			
Penstemon palmeri	Observed			
Ratibida columnifera	1			
Sarcobatus vermiculatus	Observed			
Sisymbrium altissimum	Observed			
Thinopyrum ponticum	1			

Tragopogon dubius	Observed
Unknown Fabaceae 8	Observed

## GM 222-33



GM 222-33 North

Photo Date: 7/26/2008

X: 2263013.58156 Y: 1610208.33037



GM 222-33 East

Photo Date: 7/26/2008

X: 2262910.84982 Y: 1610347.11789



GM 222-33 South

Photo Date: 7/26/2008

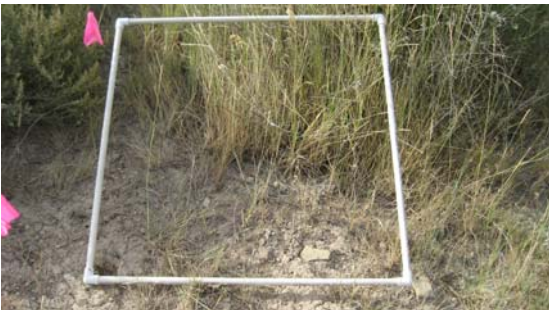
X: 2263028.41537 Y: 1610436.13020



GM 222-33 West

Photo Date: 7/26/2008

X: 2263086.23403 Y: 1610307.52465



GM 222-33 Sample Point 1

Photo Date: 7/26/2008

X: 2263054.09879 Y: 1610357.35790



GM 222-33 Sample Point 2

Photo Date: 7/26/2008

X: 2262988.21108 Y: 1610213.09915



GM 222-33 Sample Point 3

Photo Date: 7/26/2008

X: 2262925.41379 Y: 1610437.08055

**Well ID: GM 223-33**

Monitor Date: 7/25/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:**

**Vegetation Community:** Salt Desert Scrubland Low Elevation      Seems to be along drainage.

## VEGETATION

**Total Acceptable Vegetation % Cover:** 40.67

**Reference Area % Cover:** 25.8

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 99.99    Forbs 0      Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Large / healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

**Comments** Grasses and shrubs look good, Cheatgrass and kochia issues.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes      Cheatgrass patches in west and southwest portion, large patch kochia in northeast portion.

**Undesirable Species <5% of Total Cover:** > 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 20

% Monitor: 20

% Acceptable: 60

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Overseed desirables in weedy areas, some weed control.

### Major Facilities Issues:

### Additional Comments:

**VEGETATION DATA****Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Agropyron cristatum	2	10		4	0	8		2.67
Bromus arvensis		28	0	9.33		10	0	3.33
Bromus inermis		2	0	0.67		2	0	0.67
Pascopyrum smithii	20	28	32	26.67	4	10	12	8.67
<b>Total Acceptable Cover</b>	<b>22</b>	<b>68</b>	<b>32</b>	<b>40.67</b>	<b>4</b>	<b>30</b>	<b>12</b>	<b>15.34</b>
<b>Undesirable Species</b>								
Bromus tectorum	68			22.67	28			9.33
<b>Total Undesirable Cover</b>	<b>68</b>			<b>22.67</b>	<b>28</b>			<b>9.33</b>
<b>Total Vegetative Cover:</b>	<b>90</b>	<b>68</b>	<b>32</b>	<b>63.34</b>	<b>32</b>	<b>30</b>	<b>12</b>	<b>24.67</b>
Litter	10	24	48	27.33	66	62	70	66
Rock	0	0	0	0	2	0	0	0.67
<b>Total Non-Vegetative Cover</b>	<b>10</b>	<b>24</b>	<b>48</b>	<b>27.33</b>	<b>68</b>	<b>62</b>	<b>70</b>	<b>66.67</b>
<b>Total Cover</b>	<b>100</b>	<b>92</b>	<b>80</b>	<b>90.67</b>	<b>100</b>	<b>92</b>	<b>82</b>	<b>91.34</b>
Bare	0	8	20	9.33	0	8	18	8.67

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	2	99.99		
Atriplex canescens	Observed		0	
Bassia scoparia	Observed			0
Bromus arvensis	2			
Bromus inermis	2			
Bromus tectorum	1			
Chenopodium album	Observed			
Chrysothamnus viscidiflorus	Observed			
Elymus lanceolatus	Observed			
Erodium cicutarium	Observed			
Helianthus annuus	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	1			
Leymus cinereus	Observed			
Lepidium perfoliatum	Observed			
Pascopyrum smithii	3			
Sarcobatus vermiculatus	1			
Sisymbrium altissimum	Observed			

Transect	% Slope	Aspect
1	2	N
2	20	N
3	2	NE



## GM 223-33



GM 223-33 North

Photo Date: 7/25/2008

X: 2264631.86513 Y: 1609388.59247



GM 223-33 East

Photo Date: 7/25/2008

X: 2264590.43404 Y: 1609407.10369



GM 223-33 South

Photo Date: 7/25/2008

X: 2264671.89485 Y: 1609546.33648



GM 223-33 West

Photo Date: 7/25/2008

X: 2264801.97828 Y: 1609441.59859



GM 223-33 Sample Point 1

Photo Date: 7/25/2008

X: 2264631.34165 Y: 1609381.72905



GM 223-33 Sample Point 2

Photo Date: 7/25/2008

X: 2264655.63887 Y: 1609418.21866



GM 223-33 Sample Point 3

Photo Date: 7/25/2008

X: 2264776.13407 Y: 1609346.15407

**Well ID: GM 23-1**

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2004

**Vegetation Community:** Salt Desert Scrubland Low Elevation

## VEGETATION

**Total Acceptable Vegetation % Cover:** 2.67

**Reference Area % Cover:** 25.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 85.98 Forbs 14 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☐ Litter

**Size:** Healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

**Comments** Shrub growth very healthy, grass and forbs also good.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Erodium and Cheatgrass interspersed across most of site. Bindweed present. Russian thistle interspersed on north portion of pad.

**Undesirable Species <5% of Total Cover:** > 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 20

% Monitor: 60

% Acceptable: 20

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Weed control on Russian Thistle on north. Overseeding could help and possible weed control on erodium and cheatgrass.

### Major Facilities Issues:

### Additional Comments:

## GM 23-1

VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Agropyron cristatum	0	0	2	0.67	0	0	8	2.67
Pascopyrum smithii	0	0	4	1.33	0	0	2	0.67
Unknown Chenopod 2		2		0.67		0		0
<b>Total Acceptable Cover</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>2.67</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>3.34</b>
<b>Undesirable Species</b>								
Bassia scoparia		6		2		0		0
Bromus tectorum	34	16	18	22.67	8	12	0	6.67
Eremopyrum triticeum	12	0		4	2	0		0.67
Salsola kali		6		2		0		0
<b>Total Undesirable Cover</b>	<b>46</b>	<b>28</b>	<b>18</b>	<b>30.67</b>	<b>10</b>	<b>12</b>	<b>0</b>	<b>7.34</b>
<b>Total Vegetative Cover:</b>	<b>46</b>	<b>30</b>	<b>24</b>	<b>33.34</b>	<b>10</b>	<b>12</b>	<b>10</b>	<b>10.68</b>
Litter	42	50	60	50.67	78	58	76	70.67
Rock	0	0	0	0	0	0	0	0
<b>Total Non-Vegetative Cover</b>	<b>42</b>	<b>50</b>	<b>60</b>	<b>50.67</b>	<b>78</b>	<b>58</b>	<b>76</b>	<b>70.67</b>
<b>Total Cover</b>	<b>88</b>	<b>80</b>	<b>84</b>	<b>84.01</b>	<b>88</b>	<b>70</b>	<b>86</b>	<b>81.35</b>
Bare	12	20	16	16	12	30	14	18.67

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	3	85.98		
Artemisia tridentata	Observed		14	
Astragalus cicer	Observed			0
Atriplex confertifolia	1			
Bassia scoparia	1			
Bromus inermis	Observed			
Bromus tectorum	3	1	10	S
Chrysothamnus viscidiflorus	Observed	2	12	S
Convolvulus arvensis	Observed	3	10	SE
Elymus lanceolatus	Observed			
Erodium cicutarium	Observed			
Eremopyrum triticeum	2			
Gutierrezia sarothrae	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	2			
Lepidium perfoliatum	1			
Opuntia sp.	Observed			
Pascopyrum smithii	3			
Penstemon palmeri	Observed			
Psathyrostachys juncea	Observed			
Pseudoroegneria spicata	Observed			
Salsola kali	1			
Sarcobatus vermiculatus	2			

Sisymbrium altissimum	1
Thinopyrum intermedium	Observed
Tragopogon dubius	1
Unknown Chenopod 2	1
Unknown Mustard 5	1
Zuckia brandegeei	Observed



## GM 23-1



GM 23-1 North

Photo Date: 7/24/2008

X: 2276757.39458 Y: 1604617.94100



GM 23-1 East

Photo Date: 7/24/2008

X: 2276694.88652 Y: 1604807.87674



GM 23-1 South

Photo Date: 7/24/2008

X: 2276733.24042 Y: 1604893.06154



GM 23-1 West

Photo Date: 7/24/2008

X: 2276918.92597 Y: 1604797.65967



GM 23-1 Sample Point 1

Photo Date: 7/24/2008

X: 2276766.31872 Y: 1604859.09182



GM 23-1 Sample Point 2

Photo Date: 7/24/2008

X: 2276888.45593 Y: 1604797.94487



GM 23-1 Sample Point 3

Photo Date: 7/24/2008

X: 2276982.44055 Y: 1604695.79389



**Well ID: GM 237-36**

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2003

**Vegetation Community:** Pinon-Juniper Woodland South Aspect

## VEGETATION

**Total Acceptable Vegetation % Cover:** 17.34

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 85.28 Forbs 0 Shrubs 14.70

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

**Comments** Shrub growth good, but grasses dominated by cheatgrass.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass interspersed among cover, halogeton present, some Russian thistle.

**Undesirable Species <5% of Total Cover:** > 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 0

% Acceptable: 90

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Possible weed control and overseeding to push out weedy species, otherwise monitor.

### Major Facilities Issues:

### Additional Comments:

**VEGETATION DATA****Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Agropyron cristatum	0		2	0.67	0		0	0
Atriplex canescens	18		2	6.67	0		0	0
Bromus arvensis	10			3.33	0			0
Pascopyrum smithii	8		12	6.67	6		6	4
<b>Total Acceptable Cover</b>	<b>36</b>		<b>16</b>	<b>17.34</b>	<b>6</b>		<b>6</b>	<b>4</b>
<b>Undesirable Species</b>								
Bromus tectorum	14	60	10	28	8	20	6	11.33
<b>Total Undesirable Cover</b>	<b>14</b>	<b>60</b>	<b>10</b>	<b>28</b>	<b>8</b>	<b>20</b>	<b>6</b>	<b>11.33</b>
<b>Total Vegetative Cover:</b>	<b>50</b>	<b>60</b>	<b>26</b>	<b>45.34</b>	<b>14</b>	<b>20</b>	<b>12</b>	<b>15.33</b>
Litter	22	40	14	25.33	54	80	22	52
Rock	12	0	2	4.67	12	0	4	5.33
Standing Litter			4	1.33			0	0
<b>Total Non-Vegetative Cover</b>	<b>34</b>	<b>40</b>	<b>20</b>	<b>31.33</b>	<b>66</b>	<b>80</b>	<b>26</b>	<b>57.33</b>
<b>Total Cover</b>	<b>84</b>	<b>100</b>	<b>46</b>	<b>76.67</b>	<b>80</b>	<b>100</b>	<b>38</b>	<b>72.66</b>
Bare	16	0	54	23.33	20	0	62	27.33

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible			
Achnatherum hymenoides	Observed	Grasses	85.28	
Agropyron cristatum	2	Forbs	0	
Artemisia tridentata	Observed	Shrubs	14.70	
Atriplex canescens	2			
Atriplex confertifolia	2			
Bassia scoparia	Observed			
Bromus arvensis	1	Transect	% Slope	Aspect
Bromus inermis	2	1	Flat	
Bromus tectorum	3	2	25	E/NE
Elymus lanceolatus	Observed	3	15	E
Halogeton glomeratus	Observed			
Lepidium perfoliatum	Observed			
Pascopyrum smithii	2			
Salsola kali	Observed			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	Observed			

## GM 237-36



GM 237-36 North

Photo Date: 7/24/2008

X: 2277044.83947 Y: 1607727.87929



GM 237-36 East

Photo Date: 7/24/2008

X: 2276919.50890 Y: 1607790.98026



GM 237-36 South

Photo Date: 7/24/2008

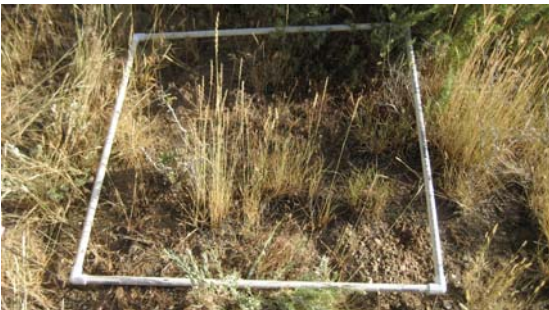
X: 2277061.30556 Y: 1607932.80144



GM 237-36 West

Photo Date: 7/24/2008

X: 2277102.81821 Y: 1607850.88494



GM 237-36 Sample Point 1

Photo Date: 7/24/2008

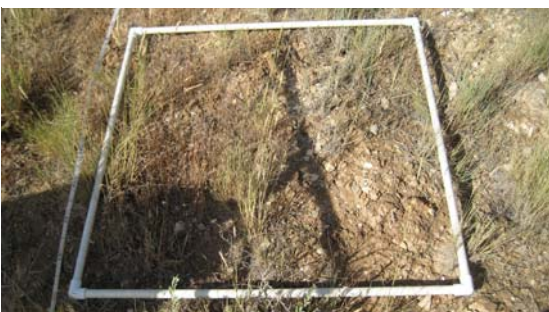
X: 2276960.39828 Y: 1607744.09432



GM 237-36 Sample Point 2

Photo Date: 7/24/2008

X: 2276926.05679 Y: 1607777.90373



GM 237-36 Sample Point 3

Photo Date: 7/24/2008

X: 2277064.00610 Y: 1607693.16570

**Well ID: GM 240-1**

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Not reclaimed

Partially graded and ripped.

**Approximate Seed Date:**

**Vegetation Community:** Pinon-Juniper Woodland South Aspect

## VEGETATION

**Reference Area % Cover:** 10.2

### Desirable Vegetation

**Appears vigorous and self sustaining?**

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

**Comments**

### Undesirable Vegetation

**Noxious Weeds Present?** Halogeton. Kochia present

**Undesirable Species <5% of Total Cover:**

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

**Additional work needed to obtain 90% cover:**

% Area in Use: 100

% Monitor: 0

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

**Major Facilities Issues:**

**Additional Comments:**

GM 240-1

VEGETATION DATA

Vegetation Cover

First Hit % Cover

Ground Hit % Cover

Species	T1	T2	T3	Mean	T1	T2	T3	Mean
---------	----	----	----	------	----	----	----	------

No Data

Species List

## GM 240-1



GM 240-1 North

Photo Date: 7/24/2008

X: 2279123.68167 Y: 1606796.08931



GM 240-1 East

Photo Date: 7/24/2008

X: 2279059.42373 Y: 1606861.93365



GM 240-1 South

Photo Date: 7/24/2008

X: 2279126.11800 Y: 1607006.48700



GM 240-1 West

Photo Date: 7/24/2008

X: 2279210.61930 Y: 1606913.96069



**Well ID: GM 24-1**

Monitor Date: 7/26/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

Difficult to determine extent of pad.

**Approximate Seed Date:** 2005

**Vegetation Community:** Salt Desert Scrubland Low Elevation

## VEGETATION

**Total Acceptable Vegetation % Cover:** 1.34

**Reference Area % Cover:** 25.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 0 Forbs 99.96 Shrubs 0

## Desirable Vegetation

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

**Comments** Few desirables, east portion of pad not as weedy.

## Undesirable Vegetation

**Noxious Weeds Present?** Yes Bindweed, cheatgrass, and erodium dominate site. Chicory present.  
Kochia and plantago present.

**Undesirable Species <5% of Total Cover:** > 5%

## EROSION

**Erosion Issues:** None

## BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 90

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

## Additional work needed to obtain 90% cover:

Overseed pad with desirables, weed control.

## Major Facilities Issues:

## Additional Comments:

## GM 24-1

VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Chenopodium album		2		0.67		0		0
Melilotus officinalis			2	0.67			0	0
<b>Total Acceptable Cover</b>		<b>2</b>	<b>2</b>	<b>1.34</b>		<b>0</b>	<b>0</b>	<b>0</b>
<b>Undesirable Species</b>								
Bassia scoparia	30	20		16.67	20	16		12
Cichorium intybus		2	12	4.67		2	8	3.33
Convolvulus arvensis		0	10	3.33		0	2	0.67
<b>Total Undesirable Cover</b>	<b>30</b>	<b>22</b>	<b>22</b>	<b>24.67</b>	<b>20</b>	<b>18</b>	<b>10</b>	<b>16</b>
<b>Total Vegetative Cover:</b>	<b>30</b>	<b>24</b>	<b>24</b>	<b>26.01</b>	<b>20</b>	<b>18</b>	<b>10</b>	<b>16</b>
Litter	10	50	46	35.33	10	56	54	40
Rock	2	4	0	2	6	4	0	3.33
Standing Litter			2	0.67			0	0
<b>Total Non-Vegetative Cover</b>	<b>12</b>	<b>54</b>	<b>48</b>	<b>38</b>	<b>16</b>	<b>60</b>	<b>54</b>	<b>43.33</b>
<b>Total Cover</b>	<b>42</b>	<b>78</b>	<b>72</b>	<b>64.01</b>	<b>36</b>	<b>78</b>	<b>64</b>	<b>59.33</b>
Bare	58	22	28	36	64	22	36	40.67

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	Observed	0		
Bassia scoparia	2		99.96	
Bromus arvensis	Observed			0
Bromus tectorum	Observed			
Chenopodium album	1			
Chrysothamnus viscidiflorus	Observed			
Cichorium intybus	2			
Convolvulus arvensis	2			
Erodium cicutarium	Observed			
Eremopyrum triticeum	Observed			
Grindelia squarrosa	1			
Hordeum jubatum	Observed			
Lactuca serriola	1			
Melilotus officinalis	1			
Medicago sativa	1			
Pascopyrum smithii	Observed			
Plantago major	1			
Polygonum aviculare	Observed			
Thinopyrum intermedium	Observed			
Unknown Panicum	2			

Transect	% Slope	Aspect
1	Flat	(SW)
2	Flat	(E/SE)
3	Flat	(S)

## GM 24-1



GM 24-1 North

Photo Date: 7/26/2008

X: 2276690.99349 Y: 1602824.07134



GM 24-1 East

Photo Date: 7/26/2008

X: 2276543.59263 Y: 1602887.24095



GM 24-1 South

Photo Date: 7/26/2008

X: 2276629.56216 Y: 1603020.10584



GM 24-1 West

Photo Date: 7/26/2008

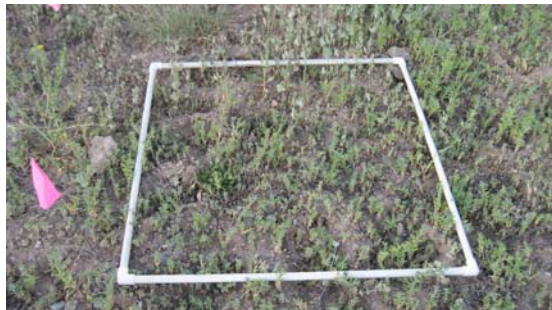
X: 2276838.17172 Y: 1602931.93613



GM 24-1 Sample Point 1

Photo Date: 7/26/2008

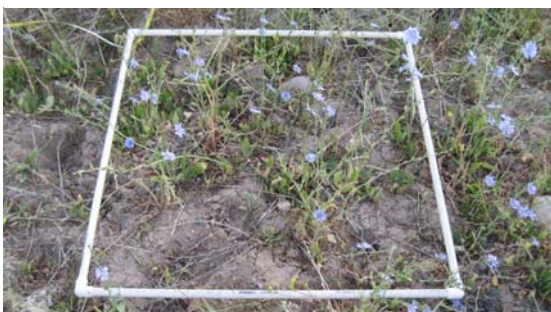
X: 2276607.18522 Y: 1602864.80888



GM 24-1 Sample Point 2

Photo Date: 7/26/2008

X: 2276724.88898 Y: 1602871.10135



GM 24-1 Sample Point 3

Photo Date: 7/26/2008

X: 2276740.95845 Y: 1602912.31615

**Well ID: GM 24-12**

Monitor Date: 7/27/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:**

**Vegetation Community:** Salt Desert Scrubland Low Elevation

## **VEGETATION**

**Total Acceptable Vegetation % Cover:** 12.67

**Reference Area % Cover:** 25.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 86.34 Forbs 13.63 Shrubs 0

### **Desirable Vegetation**

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Small but healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:**

**Comments** Kochia dominates most of site. Sparse desirables, grass seedlings, mostly kochia.

### **Undesirable Vegetation**

**Noxious Weeds Present?** No

**Undesirable Species <5% of Total Cover:** < 5%

## **EROSION**

**Erosion Issues:** None

### **BLM RECLAMATION TIMETABLE:**

% Area in Use: 25

% Monitor: 75

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

### **Additional work needed to obtain 90% cover:**

Monitor to ensure establishment of desirables.

### **Major Facilities Issues:**

### **Additional Comments:**

**VEGETATION DATA****Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Thinopyrum intermedium	30		8	12.67	10		0	3.33
<b>Total Acceptable Cover</b>	<b>30</b>		<b>8</b>	<b>12.67</b>	<b>10</b>		<b>0</b>	<b>3.33</b>
<b>Undesirable Species</b>								
Bassia scoparia	0	2	4	2	0	0	0	0
<b>Total Undesirable Cover</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Vegetative Cover:</b>	<b>30</b>	<b>2</b>	<b>12</b>	<b>14.67</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>3.33</b>
Litter	66	42	8	38.67	86	42	10	46
Rock	0	14	4	6	0	14	6	6.67
Standing Litter			2	0.67			0	0
<b>Total Non-Vegetative Cover</b>	<b>66</b>	<b>56</b>	<b>14</b>	<b>45.34</b>	<b>86</b>	<b>56</b>	<b>16</b>	<b>52.67</b>
<b>Total Cover</b>	<b>96</b>	<b>58</b>	<b>26</b>	<b>60.01</b>	<b>96</b>	<b>56</b>	<b>16</b>	<b>56</b>
Bare	4	42	74	40	4	44	84	44

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Artemisia tridentata	Observed			
Bassia scoparia	3			
Bromus inermis	Observed			
Elymus trachycaulus	Observed			
Eremopyrum triticeum	1			
Lactuca serriola	Observed			
Lepidium perfoliatum	1			
Melilotus officinalis	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	Observed			
Psathyrostachys juncea	Observed			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	2			
Thinopyrum ponticum	Observed			
Tragopogon dubius	Observed			
xTriticosecale rimpaii	Observed			
Unknown Fabaceae	3			

Transect	% Slope	Aspect
1	10	SE
2	8	S
3	Flat	(S)



## GM 24-12



GM 24-12 North

Photo Date: 7/27/2008

X: 2275863.59720 Y: 1597415.25906



GM 24-12 East

Photo Date: 7/27/2008

X: 2275655.56826 Y: 1597584.70135



GM 24-12 South

Photo Date: 7/27/2008

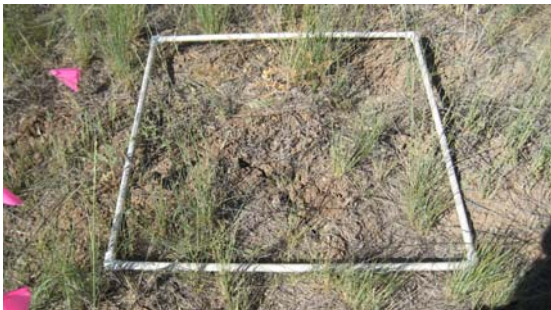
X: 2275679.56113 Y: 1597629.01850



GM 24-12 West

Photo Date: 7/27/2008

X: 2275954.68989 Y: 1597483.74991



GM 24-12 Sample Point 1

Photo Date: 7/27/2008

X: 2275682.06695 Y: 1597575.73795



GM 24-12 Sample Point 2

Photo Date: 7/27/2008

X: 2275815.62047 Y: 1597554.73787



GM 24-12 Sample Point 3

Photo Date: 7/27/2008

X: 2275912.40353 Y: 1597472.25929



**Well ID: GM 24-33**

BLM Land

Monitor Date: 7/25/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:**

**Vegetation Community:** Pinon-Juniper Woodland South Aspect

## VEGETATION

**Total Acceptable Vegetation % Cover:** 24.66

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 94.62 Forbs 5.407 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy / large

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

**Comments** Bare / sparse portion on north west side, excellent growth.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass and Kochia present.

**Undesirable Species <5% of Total Cover:** < 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 10

% Acceptable: 80

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Overseed smaller sparse area.

### Major Facilities Issues:

### Additional Comments:

VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Astragalus cicer		0	4	1.33		0	0	0
Bromus inermis	0	0	6	2	0	0	0	0
Leymus cinereus	6			2	0			0
Pascopyrum smithii	34	16	8	19.33	4	12	0	5.33
<b>Total Acceptable Cover</b>	<b>40</b>	<b>16</b>	<b>18</b>	<b>24.66</b>	<b>4</b>	<b>12</b>	<b>0</b>	<b>5.33</b>
<b>Total Vegetative Cover:</b>	<b>40</b>	<b>16</b>	<b>18</b>	<b>24.66</b>	<b>4</b>	<b>12</b>	<b>0</b>	<b>5.33</b>
Litter	46	56	70	57.33	78	60	88	75.33
Rock	0	0	0	0	0	0	0	0
<b>Total Non-Vegetative Cover</b>	<b>46</b>	<b>56</b>	<b>70</b>	<b>57.33</b>	<b>78</b>	<b>60</b>	<b>88</b>	<b>75.33</b>
<b>Total Cover</b>	<b>86</b>	<b>72</b>	<b>88</b>	<b>81.99</b>	<b>82</b>	<b>72</b>	<b>88</b>	<b>80.66</b>
Bare	14	28	12	18	18	28	12	19.33

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	1	94.62		
Agropyron cristatum	Observed		5.407	
Alyssum desertorum	Observed			0
Astragalus cicer	2			
Atriplex canescens	1			
Atriplex confertifolia	1			
Bassia scoparia	Observed	1	2	W
Bromus arvensis	Observed	2	15	NW
Bromus inermis	3	3	30	N/NE
Bromus tectorum	1			
Chenopodium album	Observed			
Dactylis glomerata	Observed			
Elymus lanceolatus	Observed			
Elymus trachycaulus	Observed			
Helianthus annuus	Observed			
Lactuca serriola	1			
Leymus cinereus	1			
Lepidium perfoliatum	Observed			
Machaeranthera grindelioides	Observed			
Melilotus officinalis	1			
Medicago sativa	1			
Pascopyrum smithii	3			
Penstemon palmeri	1			
Polygonum aviculare	Observed			
Ratibida columnifera	Observed			
Salsola kali	Observed			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	Observed			
Tragopogon dubius	1			

## GM 24-33



GM 24-33 North

Photo Date: 7/25/2008

X: 2262038.67062

Y: 1608609.01613



GM 24-33 East

Photo Date: 7/25/2008

X: 2261920.51323

Y: 1608749.41657



GM 24-33 South

Photo Date: 7/25/2008

X: 2262008.45764

Y: 1608832.00045

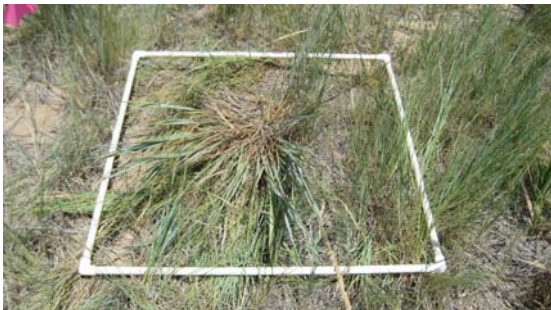


GM 24-33 West

Photo Date: 7/25/2008

X: 2262127.05099

Y: 1608775.87752



GM 24-33 Sample Point 1

Photo Date: 7/25/2008

X: 2261927.49338

Y: 1608756.04592



GM 24-33 Sample Point 2

Photo Date: 7/25/2008

X: 2262110.68509

Y: 1608723.30385



GM 24-33 Sample Point 3

Photo Date: 7/25/2008

X: 2261922.84395

Y: 1608592.91300

**Well ID: GM 24-36**

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Not reclaimed

**Approximate Seed Date:**

**Vegetation Community:** Salt Desert Scrubland High Elevation

## **VEGETATION**

**Reference Area % Cover:** 29.8

### **Desirable Vegetation**

**Appears vigorous and self sustaining?**

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

**Comments**

### **Undesirable Vegetation**

**Noxious Weeds Present?** Halogeton present. Kochia, Russian thistle present.

**Undesirable Species <5% of Total Cover:**

## **EROSION**

**Erosion Issues:** None

### **BLM RECLAMATION TIMETABLE:**

**Additional work needed to obtain 90% cover:**

% Area in Use: 100

% Monitor: 0

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

**Major Facilities Issues:**

**Additional Comments:**

**GM 24-36**

**VEGETATION DATA**

**Vegetation Cover**

**First Hit % Cover**

**Ground Hit % Cover**

**Species**

**T1**

**T2**

**T3**

**Mean**

**T1**

**T2**

**T3**

**Mean**

No Data

**Species List**

## GM 24-36



GM 24-36 North

Photo Date: 7/24/2008

X: 2277255.91946

Y: 1608435.15317



GM 24-36 East

Photo Date: 7/24/2008

X: 2277168.41097

Y: 1608502.93840



GM 24-36 South

Photo Date: 7/24/2008

X: 2277235.18863

Y: 1608588.90252



GM 24-36 West

Photo Date: 7/24/2008

X: 2277295.83507

Y: 1608536.08095



**Well ID: GM 251-2**

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2003

**Vegetation Community:** Pinon-Juniper Woodland South Aspect

## VEGETATION

**Total Acceptable Vegetation % Cover:** 14.67

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 92.86 Forbs 0 Shrubs 7.143

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☐ Litter

**Size:** Healthy, somewhat small

☒ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Green and senesced

**Comments** Good shrub regrowth.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass interspersed across site. Halogeton present

**Undesirable Species <5% of Total Cover:** > 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 90

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Overseed to increase desirable cover.

### Major Facilities Issues:

### Additional Comments:

VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Agropyron cristatum	2	6	0	2.67	0	2	0	0.67
Atriplex confertifolia	0	6	0	2	0	0	0	0
Pascopyrum smithii	6	20	4	10	0	8	2	3.33
<b>Total Acceptable Cover</b>	<b>8</b>	<b>32</b>	<b>4</b>	<b>14.67</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>4</b>
<b>Undesirable Species</b>								
Bromus tectorum	36	2	2	13.33	2	2	0	1.33
<b>Total Undesirable Cover</b>	<b>36</b>	<b>2</b>	<b>2</b>	<b>13.33</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1.33</b>
<b>Total Vegetative Cover:</b>	<b>44</b>	<b>34</b>	<b>6</b>	<b>28</b>	<b>2</b>	<b>12</b>	<b>2</b>	<b>5.33</b>
Litter	40	42	60	47.33	82	64	64	70
Rock	0	0	0	0	0	0	0	0
Standing Litter	2	2		1.33	0	0		0
<b>Total Non-Vegetative Cover</b>	<b>42</b>	<b>44</b>	<b>60</b>	<b>48.66</b>	<b>82</b>	<b>64</b>	<b>64</b>	<b>70</b>
<b>Total Cover</b>	<b>86</b>	<b>78</b>	<b>66</b>	<b>76.66</b>	<b>84</b>	<b>76</b>	<b>66</b>	<b>75.33</b>
Bare	14	22	34	23.33	16	24	34	24.67

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	92.86		
Agropyron cristatum	3		0	
Atriplex canescens	Observed			7.143
Atriplex confertifolia	3			
Bassia scoparia	Observed			
Bromus inermis	3			
Bromus tectorum	3			
Elymus lanceolatus	Observed			
Elymus trachycaulus	Observed			
Halogeton glomeratus	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	Observed			
Leymus cinereus	Observed			
Lepidium perfoliatum	Observed			
Melilotus officinalis	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	3			
Psathyrostachys juncea	1			
Thinopyrum intermedium	Observed			
Tragopogon dubius	Observed			
Unknown Chenopod 2	Observed			
Unknown Mustard 5	Observed			

Transect	% Slope	Aspect
1	9	W
2	10	SW
3	5	W

## GM 251-2



GM 251-2 North

Photo Date: 7/24/2008

X: 2274441.14898

Y: 1607058.05682



GM 251-2 East

Photo Date: 7/24/2008

X: 2274410.28963

Y: 1607215.05206



GM 251-2 South

Photo Date: 7/24/2008

X: 2274484.69719

Y: 1607252.69536



GM 251-2 West

Photo Date: 7/24/2008

X: 2274642.73179

Y: 1607133.29073



GM 251-2 Sample Point 1

Photo Date: 7/24/2008

X: 2274667.55203

Y: 1607099.85781



GM 251-2 Sample Point 2

Photo Date: 7/24/2008

X: 2274551.71955

Y: 1607182.66742



GM 251-2 Sample Point 3

Photo Date: 7/24/2008

X: 2274414.88418

Y: 1607189.07144

**Well ID: GM 252-2**

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

**Reclamation Status as of July 2008:** Reclaimed

**Approximate Seed Date:** 2003

**Vegetation Community:** Pinon-Juniper Woodland South Aspect

## VEGETATION

**Total Acceptable Vegetation % Cover:** 11.33

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 89.52 Forbs 0 Shrubs 10.53

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy but small

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Green w/ some senesced

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass interspersed among desirables- patch on south portion, also some Erodium on northwest portion

**Undesirable Species <5% of Total Cover:** < 5%

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 90

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

### Additional work needed to obtain 90% cover:

Some bare patches and sparse cover, also redistribution.  
Overseeding could boost cover.

### Major Facilities Issues:

### Additional Comments:

VEGETATION DATA

## Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Acceptable Species</b>								
Achnatherum hymenoides			2	0.67			0	0
Pascopyrum smithii	10	10	8	9.33	0	6	4	3.33
Zuckia brandegeei		4		1.33		0		0
<b>Total Acceptable Cover</b>	<b>10</b>	<b>14</b>	<b>10</b>	<b>11.33</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>3.33</b>
<b>Undesirable Species</b>								
Bromus tectorum	2	2		1.33	0	0		0
<b>Total Undesirable Cover</b>	<b>2</b>	<b>2</b>		<b>1.33</b>	<b>0</b>	<b>0</b>		<b>0</b>
<b>Total Vegetative Cover:</b>	<b>12</b>	<b>16</b>	<b>10</b>	<b>12.66</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>3.33</b>
Litter	8	12	24	14.67	16	18	28	20.67
Rock	0	2	0	0.67	0	2	0	0.67
Standing Litter	4	2		2	0	0		0
<b>Total Non-Vegetative Cover</b>	<b>12</b>	<b>16</b>	<b>24</b>	<b>17.34</b>	<b>16</b>	<b>20</b>	<b>28</b>	<b>21.34</b>
<b>Total Cover</b>	<b>24</b>	<b>32</b>	<b>34</b>	<b>30</b>	<b>16</b>	<b>26</b>	<b>32</b>	<b>24.67</b>
Bare	76	68	66	70	84	74	68	75.33

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	1	89.52		
Atriplex canescens	Observed		0	
Atriplex confertifolia	1			10.53
Bassia scoparia	Observed			
Bromus inermis	2			
Bromus tectorum	2			
Calochortus gunnisonii	Observed			
Chrysothamnus viscidiflorus	1			
Erodium cicutarium	Observed			
Eremopyrum triticeum	1			
Gutierrezia sarothrae	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	Observed			
Leymus cinereus	Observed			
Lepidium perfoliatum	Observed			
Melilotus officinalis	Observed			
Medicago sativa	1			
Packera sp.	Observed			
Pascopyrum smithii	3			
Sarcobatus vermiculatus	1			
Tragopogon dubius	Observed			
Unknown Fabaceae 1	Observed			
Unknown Fabaceae 8	Observed			
Unknown Panicum 2	Observed			
Zuckia brandegeei	1			

Transect	% Slope	Aspect
1	21	S
2	18	W/SW
3	Flat	(NW)



## GM 252-2



GM 252-2 North

Photo Date: 7/24/2008

X: 2273334.18982 Y: 1607257.62910



GM 252-2 East

Photo Date: 7/24/2008

X: 2273205.17027 Y: 1607398.45285



GM 252-2 South

Photo Date: 7/24/2008

X: 2273379.32423 Y: 1607456.78252



GM 252-2 West

Photo Date: 7/24/2008

X: 2273454.62538 Y: 1607376.56904



GM 252-2 Sample Point 1

Photo Date: 7/24/2008

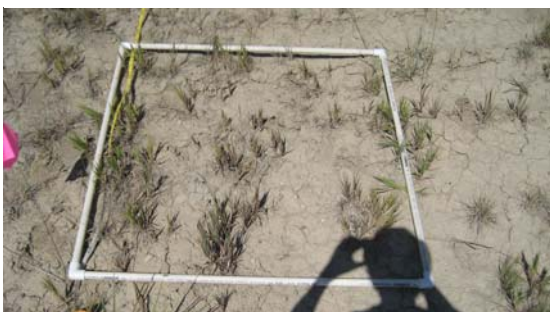
X: 2273353.49873 Y: 1607446.82408



GM 252-2 Sample Point 2

Photo Date: 7/24/2008

X: 2273213.32507 Y: 1607316.40979



GM 252-2 Sample Point 3

Photo Date: 7/24/2008

X: 2273385.90061 Y: 1607290.70721