

**Well ID: RMV 209-20**

Monitor Date: 7/9/2008

Observers: N. Weisenbacher, L. Brandt

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

**Approximate Seed Date:**

**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 69.36 Forbs 30.65 Shrubs 0

## Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☐ Litter

**Size:** Good

☒ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Good

## Comments

## Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass, erodium, moderate to high cover, not apparently affecting desirables. 1-2 individuals of musk thistle. . (Cheatgrass & Erodium more than 5% cover.) Some Russian thistle and kochia- not much

**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:

East of well head and north of road needs re-ripping and seeding. Area was re-disturbed and fence removed / damaged.

**Major Facilities Issues:** Fence around reclamation needs repair.

**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	16	4	16	12	8	0	6	4.67
Bromus inermis			2	0.67			0	0
Pascopyrum smithii		4	6	3.33		0	0	0
Poa pratensis			4	1.33			0	0
<b>Total Acceptable Cover</b>	<b>16</b>	<b>8</b>	<b>28</b>	<b>17.33</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>4.67</b>
<b>Undesirable Species</b>								
Bromus tectorum	16	8	10	11.33	2	0	2	1.33
Erodium cicutarium	10	20	8	12.67	2	0	2	1.33
<b>Total Undesirable Cover</b>	<b>26</b>	<b>28</b>	<b>18</b>	<b>24</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>2.66</b>
<b>Total Vegetative Cover:</b>	<b>42</b>	<b>36</b>	<b>46</b>	<b>41.33</b>	<b>12</b>	<b>0</b>	<b>10</b>	<b>7.33</b>
Litter	26	32	28	28.67	42	52	40	44.67
Rock	18	10	16	14.67	28	18	30	25.33
<b>Total Non-Vegetative Cover</b>	<b>44</b>	<b>42</b>	<b>44</b>	<b>43.34</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>
<b>Total Cover</b>	<b>86</b>	<b>78</b>	<b>90</b>	<b>84.67</b>	<b>82</b>	<b>70</b>	<b>80</b>	<b>77.33</b>
Bare	14	22	10	15.33	18	30	20	22.67

**Species List**

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Agropyron cristatum	3	Grasses	69.36
Ambrosia artemisiifolia	Observed	Forbs	30.65
Artemisia tridentata	Observed	Shrubs	0
Astragalus cicer	Observed		
Atriplex canescens	Observed		
Bassia scoparia	Observed		
Bromus inermis	1	<b>Transect</b>	<b>% Slope Aspect</b>
Bromus tectorum	3	1	20 E
Carduus nutans	Observed	2	20 SE
Chrysothamnus viscidiflorus	Observed	3	25 S
Dactylis glomerata	Observed		
Erodium cicutarium	3		
Halogeton glomeratus	Observed		
Lactuca serriola	Observed		
Leymus cinereus	Observed		
Marrubium vulgare	Observed		
Melilotus officinalis	Observed		
Pascopyrum smithii	2		
Poa pratensis	1		
Ratibida columnifera	Observed		
Salsola kali	Observed		
Sarcobatus vermiculatus	Observed		
Sisymbrium altissimum	Observed		
Tragopogon dubius	Observed		

## RMV 209-20



RMV 209-20 North

Photo Date: 7/9/2008

X: 2319264.38021

Y: 1617363.32884



RMV 209-20 East

Photo Date: 7/9/2008

X: 2319074.33330

Y: 1617437.38912



RMV 209-20 South

Photo Date: 7/9/2008

X: 2319237.46322

Y: 1617653.30393



RMV 209-20 West

Photo Date: 7/9/2008

X: 2319424.59017

Y: 1617461.05272



RMV 209-20 Sample Point 1

Photo Date: 7/9/2008

X: 2319122.54391

Y: 1617519.58523

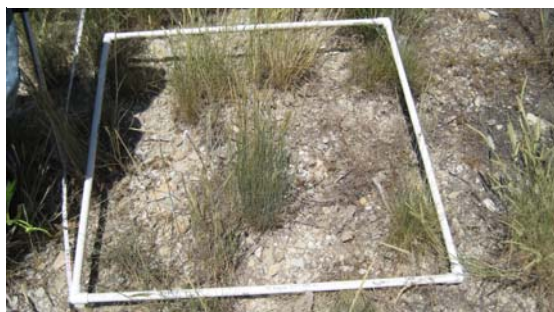


RMV 209-20 Sample Point 2

Photo Date: 7/9/2008

X: 2319212.23786

Y: 1617613.17980



RMV 209-20 Sample Point 3

Photo Date: 7/9/2008

X: GPS data not available Y:

**Well ID: RMV 210-20**

Monitor Date: 7/9/2008

Observers: N. Weisenbacher, L. Brandt

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

**Approximate Seed Date:**

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 39.33

**Reference Area % Cover:** 25.8

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 96.83 Forbs 0 Shrubs 3.175

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☐ New Shoots

☒ Litter

**Size:** Good

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Good

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass- low overall but some dense patches. Erodium present, and canada thistle- small patch near road turnaround.

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

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 5

% Monitor: 5

% Acceptable: 90

% Reclamation Complete: 0

% Restored: 0

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

Edge of reclamation east of well disturbed. Lots of cheatgrass near edge of pad along road.

**Major Facilities Issues:** Fence around reclamation damaged.

**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	4	0	2	0	2	0	0.67
Atriplex canescens	4			1.33	0			0
Pascopyrum smithii	34	30	40	34.67	6	8	14	9.33
Poa pratensis			4	1.33			0	0
<b>Total Acceptable Cover</b>	<b>40</b>	<b>34</b>	<b>44</b>	<b>39.33</b>	<b>6</b>	<b>10</b>	<b>14</b>	<b>10</b>
<b>Undesirable Species</b>								
Bromus tectorum	6	2	0	2.67	0	0	0	0
<b>Total Undesirable Cover</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>2.67</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Vegetative Cover:</b>	<b>46</b>	<b>36</b>	<b>44</b>	<b>42</b>	<b>6</b>	<b>10</b>	<b>14</b>	<b>10</b>
Litter	22	28	10	20	48	32	26	35.33
Rock	16	14	12	14	22	26	14	20.67
Standing Litter	6	2	4	4	2	0	0	0.67
<b>Total Non-Vegetative Cover</b>	<b>44</b>	<b>44</b>	<b>26</b>	<b>38</b>	<b>72</b>	<b>58</b>	<b>40</b>	<b>56.67</b>
<b>Total Cover</b>	<b>90</b>	<b>80</b>	<b>70</b>	<b>80</b>	<b>78</b>	<b>68</b>	<b>54</b>	<b>66.67</b>
Bare	10	20	30	20	22	32	46	33.33

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	3	96.83		
Artemisia tridentata	Observed		0	
Atriplex canescens	1			3.175
Atriplex confertifolia	Observed			
Bromus tectorum	3			
Chrysothamnus viscidiflorus	Observed			
Erodium cicutarium	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	Observed			
Leymus cinereus	Observed			
Lepidium perfoliatum	Observed			
Pascopyrum smithii	3			
Poa pratensis	1			
Tragopogon dubius	Observed			

Transect	% Slope	Aspect
1	0	(NE)
2	20	NE
3	0	(NE)



## RMV 210-20



RMV 210-20 North

Photo Date: 7/9/2008

X: 2320483.99541 Y: 1617828.25143



RMV 210-20 East

Photo Date: 7/9/2008

X: 2320438.52286 Y: 1618007.71724



RMV 210-20 South

Photo Date: 7/9/2008

X: 2320569.28640 Y: 1618195.61527



RMV 210-20 West

Photo Date: 7/9/2008

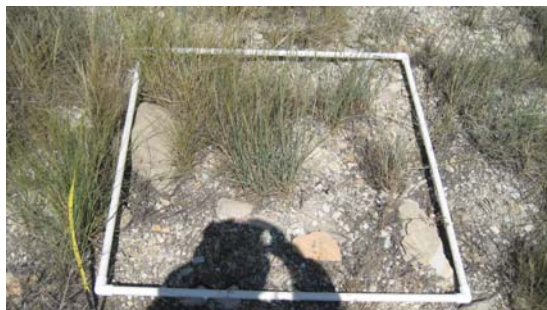
X: 2320646.89432 Y: 1618018.83321



RMV 210-20 Sample Point 1

Photo Date: 7/9/2008

X: GPS data not available Y:



RMV 210-20 Sample Point 2

Photo Date: 7/9/2008

X: GPS data not available Y:



RMV 210-20 Sample Point 3

Photo Date: 7/9/2008

X: GPS data not available Y:

**Well ID: RMV 226-27**

Monitor Date: 7/16/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** 2003

**Vegetation Community:** Riparian Woodland

Riparian bottomland.

## VEGETATION

**Total Acceptable Vegetation % Cover:** 40.01

**Reference Area % Cover:** 18.67

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 81.14 Forbs 18.84 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Large and healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Deep green, large

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass interspersed in some areas.

**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:

Site looks very good, watch weeds, but overall no work needed

### 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	2			0.67	0			0
Bromus inermis		6	26	10.67		0	20	6.67
Chenopodium album	2			0.67	2			0.67
Distichlis spicata	2			0.67	2			0.67
Glycyrrhiza lepidota			4	1.33			2	0.67
Leymus cinereus		6		2		4		1.33
Phragmites australis	2			0.67	0			0
Thinopyrum intermedium	0	42	28	23.33	0	6	20	8.67
<b>Total Acceptable Cover</b>	<b>8</b>	<b>54</b>	<b>58</b>	<b>40.01</b>	<b>4</b>	<b>10</b>	<b>42</b>	<b>18.68</b>
<b>Undesirable Species</b>								
Chenopodium murale	10			3.33	4			1.33
Descurainia sophia	8			2.67	0			0
<b>Total Undesirable Cover</b>	<b>18</b>			<b>6</b>	<b>4</b>			<b>1.33</b>
<b>Total Vegetative Cover:</b>	<b>26</b>	<b>54</b>	<b>58</b>	<b>46.01</b>	<b>8</b>	<b>10</b>	<b>42</b>	<b>20.01</b>
Litter	74	42	42	52.67	92	88	58	79.33
Rock	0	2	0	0.67	0	2	0	0.67
<b>Total Non-Vegetative Cover</b>	<b>74</b>	<b>44</b>	<b>42</b>	<b>53.34</b>	<b>92</b>	<b>90</b>	<b>58</b>	<b>80</b>
<b>Total Cover</b>	<b>100</b>	<b>98</b>	<b>100</b>	<b>99.35</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100.0</b>
Bare	0	2	0	0.67	0	0	0	0

**Species List**

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Agropyron cristatum	1	Grasses	81.14
Astragalus cicer	1	Forbs	18.84
Asclepias speciosa	1	Shrubs	0
Atriplex canescens	Observed		
Atriplex confertifolia	Observed		
Bassia scoparia	Observed		
Bromus arvensis	Observed		
Bromus inermis	2		
Bromus tectorum	Observed		
Chenopodium album	1		
Chenopodium murale	1		
Chrysothamnus viscidiflorus	Observed		
Cirsium vulgare	Observed		
Descurainia sophia	1		
Distichlis spicata	1		
Erodium cicutarium	Observed		
Eremopyrum triticeum	Observed		
Glycyrrhiza lepidota	1		
Hordeum jubatum	Observed		
Lactuca serriola	Observed		

Transect	% Slope	Aspect
1	Flat	
2	Flat	
3	Flat	



Leymus cinereus	1
Lepidium perfoliatum	Observed
Pascopyrum smithii	Observed
Phalaris arundinacea	Observed
Phragmites australis	1
Sarcobatus vermiculatus	Observed
Thinopyrum intermedium	3
Unknown Forb 7	1

## RMV 226-27



RMV 226-27 North

Photo Date: 7/16/2008

X: 2329647.95891

Y: 1615993.56903



RMV 226-27 East

Photo Date: 7/16/2008

X: 2329473.44767

Y: 1616181.33625



RMV 226-27 South

Photo Date: 7/16/2008

X: 2329525.43055

Y: 1616138.28831



RMV 226-27 West

Photo Date: 7/16/2008

X: 2329604.37709

Y: 1616084.86030



RMV 226-27 Sample Point 1

Photo Date: 7/16/2008

X: 2329333.13548

Y: 1616020.81194



RMV 226-27 Sample Point 2

Photo Date: 7/16/2008

X: 2329601.25376

Y: 1616002.85661



RMV 226-27 Sample Point 3

Photo Date: 7/16/2008

X: 2329554.42192

Y: 1616169.76412

**Well ID: RMV 232-28**

Monitor Date: 7/15/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** 2003

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 16

**Reference Area % Cover:** 25.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 42.46 Forbs 57.53 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☐ New Shoots

☐ Litter

**Size:** Healthy in most areas

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Healthy in most areas

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Erodium and cheatgrass. Large patch of erodium on northwest portion of pad, patch of erodium on east portion.

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

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use:	5
% Monitor:	30
% Acceptable:	65
% Reclamation Complete:	0
% Restored:	0

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

Weedy erodium areas should be treated.

### 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>								
Pascopyrum smithii	24	24		16	8	16		8
<b>Total Acceptable Cover</b>	<b>24</b>	<b>24</b>		<b>16</b>	<b>8</b>	<b>16</b>		<b>8</b>
<b>Undesirable Species</b>								
Bromus tectorum	2	10	2	4.67	0	0	0	0
Erodium cicutarium	14	12	58	28	14	12	60	28.67
<b>Total Undesirable Cover</b>	<b>16</b>	<b>22</b>	<b>60</b>	<b>32.67</b>	<b>14</b>	<b>12</b>	<b>60</b>	<b>28.67</b>
<b>Total Vegetative Cover:</b>	<b>40</b>	<b>46</b>	<b>60</b>	<b>48.67</b>	<b>22</b>	<b>28</b>	<b>60</b>	<b>36.67</b>
Litter	30	32	34	32	46	56	34	45.33
Rock	6	2	0	2.67	8	2	0	3.33
<b>Total Non-Vegetative Cover</b>	<b>36</b>	<b>34</b>	<b>34</b>	<b>34.67</b>	<b>54</b>	<b>58</b>	<b>34</b>	<b>48.66</b>
<b>Total Cover</b>	<b>76</b>	<b>80</b>	<b>94</b>	<b>83.34</b>	<b>76</b>	<b>86</b>	<b>94</b>	<b>85.33</b>
Bare	24	20	6	16.67	24	14	6	14.67

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	Observed	42.46		
Artemisia tridentata	Observed		57.53	
Atriplex canescens	Observed			0
Bromus inermis	1			
Bromus tectorum	3			
Elymus trachycaulus	Observed			
Erodium cicutarium	3	1	2	SW
Eremopyrum triticeum	Observed	2	3	W
Lactuca serriola	Observed	3	3	S
Leymus cinereus	1			
Pascopyrum smithii	2			
Sarcobatus vermiculatus	Observed			
Sisymbrium altissimum	2			
Tragopogon dubius	Observed			



## RMV 232-28



RMV 232-28 North

Photo Date: 7/15/2008

X: 2324446.30225 Y: 1616855.87992



RMV 232-28 East

Photo Date: 7/15/2008

X: 2324361.43326 Y: 1616940.03108



RMV 232-28 South

Photo Date: 7/15/2008

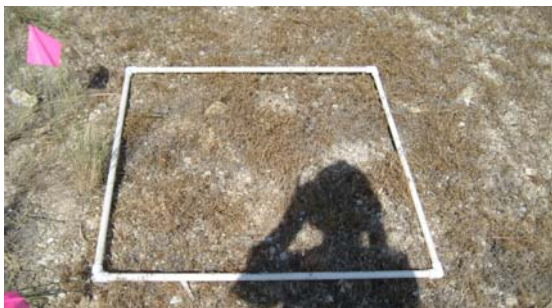
X: 2324615.59992 Y: 1617060.89103



RMV 232-28 West

Photo Date: 7/15/2008

X: 2324646.72033 Y: 1616960.46964



RMV 232-28 Sample Point 1

Photo Date: 7/15/2008

X: 2324512.61138 Y: 1616806.40501



RMV 232-28 Sample Point 2

Photo Date: 7/15/2008

X: 2324599.35748 Y: 1616999.75621



RMV 232-28 Sample Point 3

Photo Date: 7/15/2008

X: 2324420.26272 Y: 1617006.92610

**Well ID: RMV 234-28**

Monitor Date: 7/16/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** 2003

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 21.34

**Reference Area % Cover:** 29.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 93.92 Forbs 6.059 Shrubs 0

## Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

## Comments

## Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass and erodium interspersed, some solid patches. Some scotch thistle invading in west portion of pad, large patch of cheatgrass in west corner.

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

## EROSION

**Erosion Issues:** None

## BLM RECLAMATION TIMETABLE:

% Area in Use:	5
% Monitor:	20
% Acceptable:	75
% Reclamation Complete:	0
% Restored:	0

## Additional work needed to obtain 90% cover:

Overall looks good, some weed control especially in western area recommended

## 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	30	14	0	14.67	18	10	0	9.33
Pascopyrum smithii	0	20	0	6.67	0	8	0	2.67
<b>Total Acceptable Cover</b>	<b>30</b>	<b>34</b>	<b>0</b>	<b>21.34</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>12</b>
<b>Undesirable Species</b>								
Bromus tectorum	0	2	58	20	0	0	46	15.33
Sisymbrium altissimum			8	2.67			0	0
<b>Total Undesirable Cover</b>	<b>0</b>	<b>2</b>	<b>66</b>	<b>22.67</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>15.33</b>
<b>Total Vegetative Cover:</b>	<b>30</b>	<b>36</b>	<b>66</b>	<b>44.01</b>	<b>18</b>	<b>18</b>	<b>46</b>	<b>27.33</b>
Litter	54	26	26	35.33	66	42	38	48.67
Rock	0	0	0	0	0	0	0	0
<b>Total Non-Vegetative Cover</b>	<b>54</b>	<b>26</b>	<b>26</b>	<b>35.33</b>	<b>66</b>	<b>42</b>	<b>38</b>	<b>48.67</b>
<b>Total Cover</b>	<b>84</b>	<b>62</b>	<b>92</b>	<b>79.34</b>	<b>84</b>	<b>60</b>	<b>84</b>	<b>76</b>
Bare	16	38	8	20.67	16	40	16	24

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	3	93.92		
Artemisia tridentata	Observed		6.059	
Astragalus cicer	Observed			0
Bromus inermis	Observed			
Bromus tectorum	3			
Erodium cicutarium	Observed			
Ericameria nauseosa	Observed			
Lactuca serriola	Observed			
Leymus cinereus	Observed			
Onopordum acanthium	Observed			
Pascopyrum smithii	3			
Penstemon palmeri	Observed			
Phalaris arundinacea	Observed			
Ratibida columnifera	Observed			
Salsola kali	1			
Sisymbrium altissimum	1			
Sphaeralcea coccinea	Observed			
Tragopogon dubius	Observed			

Transect	% Slope	Aspect
1	5	NW
2	Flat	(W)
3	Flat	(N)

## RMV 234-28



RMV 234-28 North

Photo Date: 7/16/2008

X: 2324964.59523

Y: 1615413.05017



RMV 234-28 East

Photo Date: 7/16/2008

X: 2324813.40251

Y: 1615594.19396



RMV 234-28 South

Photo Date: 7/16/2008

X: 2325023.38838

Y: 1615679.12753



RMV 234-28 West

Photo Date: 7/16/2008

X: 2325155.71215

Y: 1615540.16866



RMV 234-28 Sample Point 1

Photo Date: 7/16/2008

X: 2325175.27168

Y: 1615472.13849



RMV 234-28 Sample Point 2

Photo Date: 7/16/2008

X: 2324894.45646

Y: 1615562.33681



RMV 234-28 Sample Point 3

Photo Date: 7/16/2008

X: 2324959.53240

Y: 1615635.05648

**Well ID: RMV 235-28**

Monitor Date: 7/16/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** 2003

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 20

**Reference Area % Cover:** 29.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 83.08 Forbs 16.92 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy

☒ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Healthy

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Erodium and cheatgrass interspersed among desirables, large patch of erodium and cheatgrass in southwest portion of pad, some Russian thistle as well.

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

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

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

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

Overall, desirables look healthy and are relatively well dispersed across site. Weed control for erodium and cheatgrass recommended.

### 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	10	16	8	11.33	4	8	4	5.33
Pascopyrum smithii	12	6	8	8.67	0	4	0	1.33
<b>Total Acceptable Cover</b>	<b>22</b>	<b>22</b>	<b>16</b>	<b>20</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>6.66</b>
<b>Undesirable Species</b>								
Bromus tectorum	20	12	16	16	2	2	2	2
Erodium cicutarium	2	20		7.33	2	22		8
<b>Total Undesirable Cover</b>	<b>22</b>	<b>32</b>	<b>16</b>	<b>23.33</b>	<b>4</b>	<b>24</b>	<b>2</b>	<b>10</b>
<b>Total Vegetative Cover:</b>	<b>44</b>	<b>54</b>	<b>32</b>	<b>43.33</b>	<b>8</b>	<b>36</b>	<b>6</b>	<b>16.66</b>
Litter	24	32	36	30.67	42	48	54	48
Rock	0	0	0	0	0	0	0	0
<b>Total Non-Vegetative Cover</b>	<b>24</b>	<b>32</b>	<b>36</b>	<b>30.67</b>	<b>42</b>	<b>48</b>	<b>54</b>	<b>48</b>
<b>Total Cover</b>	<b>68</b>	<b>86</b>	<b>68</b>	<b>74</b>	<b>50</b>	<b>84</b>	<b>60</b>	<b>64.66</b>
Bare	32	14	32	26	50	16	40	35.33

## Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible	Grasses	Forbs
Agropyron cristatum	3	83.08	
Atriplex canescens	Observed		16.92
Bassia scoparia	Observed		
Bromus arvensis	Observed		0
Bromus tectorum	3		
Centaurea diffusa	Observed		
Chrysothamnus viscidiflorus	Observed		
Elymus trachycaulus	Observed		
Erodium cicutarium	2		
Eremopyrum triticeum	Observed		
Gutierrezia sarothrae	Observed		
Lactuca serriola	Observed		
Leymus cinereus	Observed		
Pascopyrum smithii	3		
Poa sp.	1		
Ratibida columnifera	Observed		
Salsola kali	Observed		
Sisymbrium altissimum	1		
Sphaeralcea coccinea	Observed		
ralcea coccinea ssp. coccinea	1		
Tragopogon dubius	Observed		
Verbena bracteata	Observed		

Transect	% Slope	Aspect
1	20	N
2	1	W
3	Flat	(N)



## RMV 235-28



RMV 235-28 North

Photo Date: 7/16/2008

X: 2326968.91283

Y: 1614634.47660



RMV 235-28 East

Photo Date: 7/16/2008

X: 2326899.73761

Y: 1614729.48654



RMV 235-28 South

Photo Date: 7/16/2008

X: 2327190.19515

Y: 1614807.47841

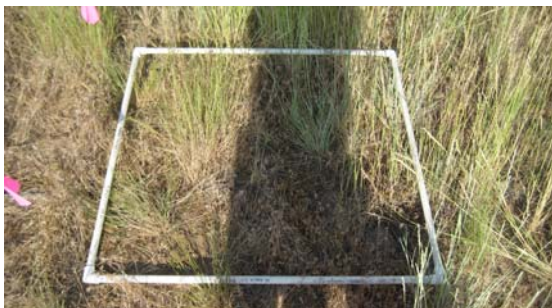


RMV 235-28 West

Photo Date: 7/16/2008

X: 2327228.59299

Y: 1614659.16682



RMV 235-28 Sample Point 1

Photo Date: 7/16/2008

X: 2327015.22880

Y: 1614754.87940

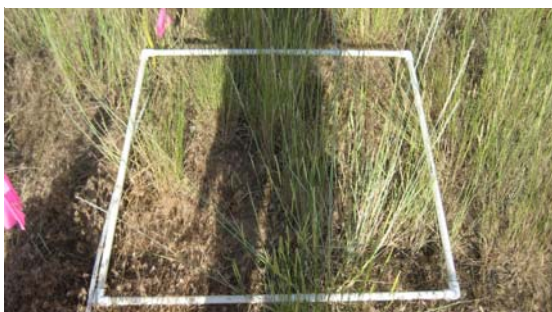


RMV 235-28 Sample Point 2

Photo Date: 7/16/2008

X: 2327116.38780

Y: 1614751.80516



RMV 235-28 Sample Point 3

Photo Date: 7/16/2008

X: 2327094.47924

Y: 1614817.03285

**Well ID: RMV 236-28**

Monitor Date: 7/16/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** 2003

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 12.67

**Reference Area % Cover:** 29.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 97.49 Forbs 2.5 Shrubs 0

## Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

**Comments** Overall desirables look good, but needs weed control.

## Undesirable Vegetation

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

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

## EROSION

**Erosion Issues:** None

## BLM RECLAMATION TIMETABLE:

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

## Additional work needed to obtain 90% cover:

Overall site looks good, weed control on cheatgrass and erodium recommended 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	4			1.33	0			0
Astragalus cicer			2	0.67			2	0.67
Pascopyrum smithii	8	20	4	10.67	8	4	4	5.33
<b>Total Acceptable Cover</b>	<b>12</b>	<b>20</b>	<b>6</b>	<b>12.67</b>	<b>8</b>	<b>4</b>	<b>6</b>	<b>6</b>
<b>Undesirable Species</b>								
Bromus tectorum	32	10	0	14	14	2	0	5.33
<b>Total Undesirable Cover</b>	<b>32</b>	<b>10</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>2</b>	<b>0</b>	<b>5.33</b>
<b>Total Vegetative Cover:</b>	<b>44</b>	<b>30</b>	<b>6</b>	<b>26.67</b>	<b>22</b>	<b>6</b>	<b>6</b>	<b>11.33</b>
Litter	36	46	18	33.33	52	68	18	46
Rock	0	2	6	2.67	0	2	6	2.67
<b>Total Non-Vegetative Cover</b>	<b>36</b>	<b>48</b>	<b>24</b>	<b>36</b>	<b>52</b>	<b>70</b>	<b>24</b>	<b>48.67</b>
<b>Total Cover</b>	<b>80</b>	<b>78</b>	<b>30</b>	<b>62.67</b>	<b>74</b>	<b>76</b>	<b>30</b>	<b>60</b>
Bare	20	22	70	37.33	26	24	70	40

## Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Agropyron cristatum	1	Grasses	97.49
Artemisia tridentata	Observed	Forbs	2.5
Astragalus cicer	1	Shrubs	0
Asclepias speciosa	Observed		
Asclepias subverticillata	Observed		
Bromus inermis	1	<b>Transect</b>	<b>% Slope Aspect</b>
Bromus tectorum	3	1	8 NW
Chrysothamnus viscidiflorus	Observed	2	10 W
Erodium cicutarium	Observed	3	Flat (NW)
Ericameria nauseosa	Observed		
Gutierrezia sarothrae	1		
Leymus cinereus	Observed		
Melilotus officinalis	Observed		
Pascopyrum smithii	3		
Ratibida columnifera	Observed		
Salsola kali	Observed		
Sisymbrium altissimum	1		
Sphaeralcea coccinea	Observed		
ralcea coccinea ssp. coccinea	2		
Tragopogon dubius	Observed		

## RMV 236-28



RMV 236-28 North

Photo Date: 7/16/2008

X: 2326324.35817 Y: 1613572.65788



RMV 236-28 East

Photo Date: 7/16/2008

X: 2326327.94343 Y: 1613654.37258



RMV 236-28 South

Photo Date: 7/16/2008

X: 2326409.65010 Y: 1613696.68279



RMV 236-28 West

Photo Date: 7/16/2008

X: 2326587.81429 Y: 1613619.11251



RMV 236-28 Sample Point 1

Photo Date: 7/16/2008

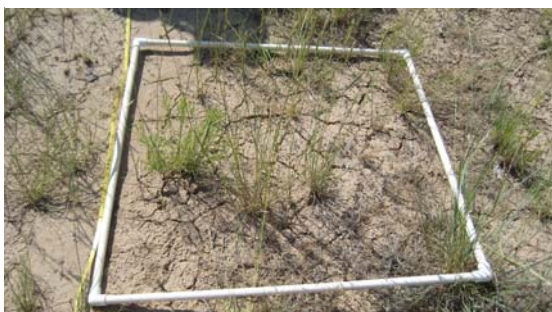
X: 2326544.87611 Y: 1613610.72544



RMV 236-28 Sample Point 2

Photo Date: 7/16/2008

X: 2326312.48891 Y: 1613558.36764



RMV 236-28 Sample Point 3

Photo Date: 7/16/2008

X: 2326394.45148 Y: 1613680.07064

**Well ID: RMV 237-28**

Monitor Date: 7/16/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:**

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 2.67

**Reference Area % Cover:** 29.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 10.81 Forbs 89.18 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:**

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:**

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass and Russian thistle dominates cover.

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

## EROSION

**Erosion Issues:** Rills >3" Erosion photo 1: rill on south portion of pad looking south.

### BLM RECLAMATION TIMETABLE:

% Area in Use: 35

% Monitor: 65

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

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

Site has weed and bare ground issues, desirable distribution ok in portions, but overall not good.

### 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>								
xTriticosecale rimpai 2	2	0	6	2.67	0	0	2	0.67
<b>Total Acceptable Cover</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>2.67</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0.67</b>
<b>Undesirable Species</b>								
Salsola kali	42	22	2	22	4	8	2	4.67
<b>Total Undesirable Cover</b>	<b>42</b>	<b>22</b>	<b>2</b>	<b>22</b>	<b>4</b>	<b>8</b>	<b>2</b>	<b>4.67</b>
<b>Total Vegetative Cover:</b>	<b>44</b>	<b>22</b>	<b>8</b>	<b>24.67</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>5.34</b>
Litter	26	40	42	36	50	50	46	48.67
Rock	0	2	0	0.67	0	4	0	1.33
Standing Litter	2			0.67	0			0
<b>Total Non-Vegetative Cover</b>	<b>28</b>	<b>42</b>	<b>42</b>	<b>37.34</b>	<b>50</b>	<b>54</b>	<b>46</b>	<b>50</b>
<b>Total Cover</b>	<b>72</b>	<b>64</b>	<b>50</b>	<b>62.01</b>	<b>54</b>	<b>62</b>	<b>50</b>	<b>55.34</b>
Bare	28	36	50	38	46	38	50	44.67

**Species List**

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Achnatherum hymenoides	1	Grasses	10.81
Agropyron cristatum	Observed	Forbs	89.18
Astragalus cicer	Observed	Shrubs	0
Atriplex confertifolia	Observed		
Bromus inermis	Observed		
Bromus tectorum	Observed		
Erodium cicutarium	Observed		
Gutierrezia sarothrae	Observed		
Hordeum jubatum	Observed		
Medicago sativa	Observed		
Pascopyrum smithii	Observed		
Penstemon sp	Observed		
Ratibida columnifera	Observed		
Salsola kali	3		
Sisymbrium altissimum	2		
Sphaeralcea coccinea	Observed		
xTriticosecale rimpai 1	Observed		
xTriticosecale rimpai 2	3		
Unknown Forb 2	Observed		

Transect	% Slope	Aspect
1	25	S
2	8	SW
3	18	S



## RMV 237-28



RMV 237-28 North

Photo Date: 7/16/2008

X: 2326939.39044 Y: 1612846.74407



RMV 237-28 East

Photo Date: 7/16/2008

X: 2326710.13694 Y: 1612950.58844



RMV 237-28 South

Photo Date: 7/16/2008

X: 2326959.96216 Y: 1613079.46243



RMV 237-28 West

Photo Date: 7/16/2008

X: 2327046.67983 Y: 1613007.27139



RMV 237-28 Sample Point 1

Photo Date: 7/16/2008

X: 2326894.98888 Y: 1612834.28139



RMV 237-28 Sample Point 2

Photo Date: 7/16/2008

X: 2326704.12678 Y: 1613121.52482



RMV 237-28 Sample Point 3

Photo Date: 7/16/2008

X: 2326950.89888 Y: 1613039.76825



RMV 237-28 Erosion Picture 1

Photo Date: 7/16/2008

X: 2326882.23163 Y: 1612883.25610

**Well ID: RMV 241-21**

Monitor Date: 7/10/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** 2003

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 19.34

**Reference Area % Cover:** 25.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 71.68 Forbs 28.3 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy and large

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Erodium and cheatgrass interspersed, some white top (?) spotted directly on other side of N to NW pad fence.

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

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use:	5
% Monitor:	5
% Acceptable:	90
% Reclamation Complete:	0
% Restored:	0

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

Erodium and cheatgrass in northeast and east portion of pad that dominates, not large area and is in location of 3rd sample point.

### 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		2.67	0	0		0
Elymus trachycaulus	16			5.33	14			4.67
Pascopyrum smithii	6	24	2	10.67	2	12	0	4.67
Poa sp.		2		0.67		0		0
<b>Total Acceptable Cover</b>	<b>24</b>	<b>32</b>	<b>2</b>	<b>19.34</b>	<b>16</b>	<b>12</b>	<b>0</b>	<b>9.34</b>
<b>Undesirable Species</b>								
Bromus tectorum	6	4	8	6	2	0	0	0.67
Erodium cicutarium	0	4	26	10	0	2	12	4.67
<b>Total Undesirable Cover</b>	<b>6</b>	<b>8</b>	<b>34</b>	<b>16</b>	<b>2</b>	<b>2</b>	<b>12</b>	<b>5.34</b>
<b>Total Vegetative Cover:</b>	<b>30</b>	<b>40</b>	<b>36</b>	<b>35.34</b>	<b>18</b>	<b>14</b>	<b>12</b>	<b>14.68</b>
Litter	16	10	20	15.33	24	12	42	26
Rock	14	24	16	18	14	36	16	22
Standing Litter	4	2	2	2.67	0	0	0	0
<b>Total Non-Vegetative Cover</b>	<b>34</b>	<b>36</b>	<b>38</b>	<b>36</b>	<b>38</b>	<b>48</b>	<b>58</b>	<b>48</b>
<b>Total Cover</b>	<b>64</b>	<b>76</b>	<b>74</b>	<b>71.34</b>	<b>56</b>	<b>62</b>	<b>70</b>	<b>62.68</b>
Bare	36	24	26	28.67	44	38	30	37.33

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	2	71.68		
Artemisia tridentata	Observed		28.3	
Astragalus cicer	Observed			0
Atriplex canescens	Observed			
Atriplex confertifolia	Observed			
Bromus inermis	1			
Bromus tectorum	3			
Chrysothamnus viscidiflorus	Observed			
Elymus trachycaulus	1			
Erodium cicutarium	3			
Ericameria nauseosa	Observed			
Eremopyrum triticeum	Observed			
Gutierrezia sarothrae	1			
Leymus cinereus	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	3			
Penstemon palmeri	Observed			
Poa sp.	1			
Ratibida columnifera	Observed			
Salsola kali	Observed			
Sarcobatus vermiculatus	Observed			
Sisymbrium altissimum	1			
Unknown Thistle 1	Observed			

Transect	% Slope	Aspect
1	Flat	(SE)
2	13	SE
3	22	E

## RMV 241-21



RMV 241-21 North

Photo Date: 7/10/2008

X: 2325446.38553 Y: 1619440.94526



RMV 241-21 East

Photo Date: 7/10/2008

X: 2325222.56973 Y: 1619598.93579



RMV 241-21 South

Photo Date: 7/10/2008

X: 2325512.65883 Y: 1619684.31469



RMV 241-21 West

Photo Date: 7/10/2008

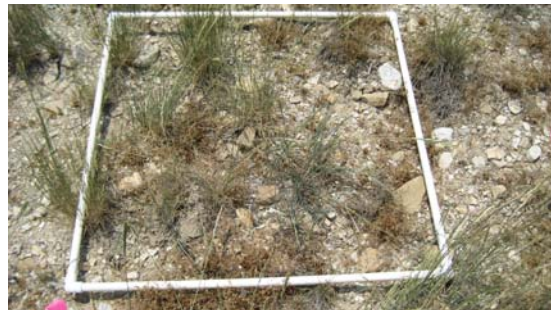
X: 2325569.72560 Y: 1619466.57876



RMV 241-21 Sample Point 1

Photo Date: 7/10/2008

X: 2325472.98630 Y: 1619481.86758



RMV 241-21 Sample Point 2

Photo Date: 7/10/2008

X: 2325288.90902 Y: 1619567.26025



RMV 241-21 Sample Point 3

Photo Date: 7/10/2008

X: GPS data not available Y:

**Well ID: RMV 37-33**

Monitor Date: 7/14/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:**

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 4.68

**Reference Area % Cover:** 28.26

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 61.09 Forbs 38.88 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:** Mostly stunted

☒ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Relatively healthy but spar

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Mostly erodium and cheatgrass, heavily interspersed among desirables, but plumeless thistle, and field bindweed also present. Russian thistle 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:

Overall, site is dominated by noxious and other weedy species. Desirables are sparsely distributed and many look stunted. Weed control and overseeding advised.

### 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 arvensis		2		0.67		0		0
Bromus inermis		0	2	0.67		0	0	0
Pascopyrum smithii	0	0	6	2	0	0	2	0.67
Sphaeralcea coccinea	2	0	0	0.67	0	0	0	0
Unknown Forb		2		0.67		0		0
<b>Total Acceptable Cover</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>4.68</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0.67</b>
<b>Undesirable Species</b>								
Bassia scoparia		4		1.33		0		0
Bromus tectorum	18	28	10	18.67	0	2	2	1.33
Convolvulus arvensis	12		16	9.33	4		2	2
Erodium cicutarium	6			2	0			0
<b>Total Undesirable Cover</b>	<b>36</b>	<b>32</b>	<b>26</b>	<b>31.33</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>3.33</b>
<b>Total Vegetative Cover:</b>	<b>38</b>	<b>36</b>	<b>34</b>	<b>36.01</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>4</b>
Litter	16	34	10	20	28	50	18	32
Rock	8	2	26	12	10	8	34	17.33
Standing Litter			6	2			0	0
<b>Total Non-Vegetative Cover</b>	<b>24</b>	<b>36</b>	<b>42</b>	<b>34</b>	<b>38</b>	<b>58</b>	<b>52</b>	<b>49.33</b>
<b>Total Cover</b>	<b>62</b>	<b>72</b>	<b>76</b>	<b>70.01</b>	<b>42</b>	<b>60</b>	<b>58</b>	<b>53.33</b>
Bare	38	28	24	30	58	40	42	46.67

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	3	61.09		
Artemisia tridentata	Observed		38.88	
Astragalus cicer	Observed			0
Atriplex confertifolia	Observed			
Bassia scoparia	1			
Bromus arvensis	1			
Bromus inermis	2			
Bromus tectorum	3			
Carduus acanthoides	Observed			
Chenopodium album	Observed			
Chrysothamnus viscidiflorus	Observed			
Convolvulus arvensis	2			
Erodium cicutarium	1			
Erigeron engelmannii	Observed			
Ericameria nauseosa	Observed			
Grindelia squarrosa	1			
Lactuca serriola	Observed			
Machaeranthera grindelioides	Observed			
Melilotus officinalis	1			
Medicago sativa	Observed			

Transect	% Slope	Aspect
1	32	E
2	Flat	(E)
3	30	SE

Pascopyrum smithii	3
Ratibida columnifera	Observed
Salsola kali	1
Sisymbrium altissimum	2
Sphaeralcea coccinea	3
Taraxacum officinale	Observed
Tragopogon dubius	1
Unknown Aster 1	Observed
Unknown Forb	1
Verbena bracteata	2



## RMV 37-33



RMV 37-33 East

Photo Date: 7/14/2008

X: 2322406.72813

Y: 1623473.14443



RMV 37-33 North

Photo Date: 7/14/2008

X: 2322277.94614

Y: 1623590.63368



RMV 37-33 South

Photo Date: 7/14/2008

X: 2322432.37955

Y: 1623720.88018



RMV 37-33 West

Photo Date: 7/14/2008

X: 2322560.99589

Y: 1623559.98880

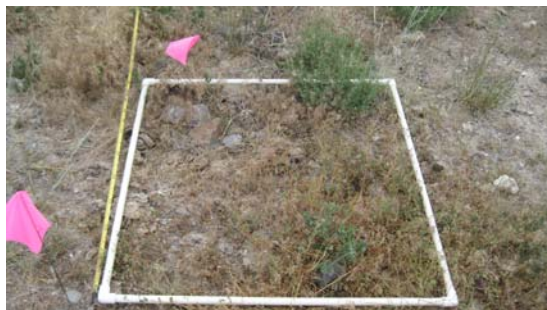


RMV 37-33 Sample Point 1

Photo Date: 7/14/2008

X: 2322503.38821

Y: 1623447.78107



RMV 37-33 Sample Point 2

Photo Date: 7/14/2008

X: 2322518.32715

Y: 1623590.06203



RMV 37-33 Sample Point 3

Photo Date: 7/14/2008

X: 2322317.19339

Y: 1623655.20275

**Well ID: RMV 53-17**

BLM Land

Monitor Date: 7/11/2008

Observers: N. Weisenbacher

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

Pad not reclaimed, construction actively on pad.

**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?**

**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:** No GPS point for photos.

RMV 53-17

**VEGETATION DATA**

**Vegetation Cover**

**First Hit % Cover**

**Ground Hit % Cover**

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

No Data

**Species List**

## RMV 53-17



RMV 53-17 North

Photo Date: 7/11/2008

X: 2322333.18585 Y: 1623581.11891



RMV 53-17 East

Photo Date: 7/11/2008

X: 2322331.13682 Y: 1623539.03091



RMV 53-17 South

Photo Date: 7/11/2008

X: 2318038.96575 Y: 1622585.70860



RMV 53-17 West

Photo Date: 7/11/2008

X: 2317942.15406 Y: 1622846.23447

**Well ID: RMV 60-17**

BLM Land

Monitor Date: 7/15/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** 2004

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

## VEGETATION

**Total Acceptable Vegetation % Cover:** 5.33

**Reference Area % Cover:** 10.2

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 88.89 Forbs 11.11 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** No

☒ New Shoots

☐ Litter

**Size:** Smaller

☒ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Healthy but sparse

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass in northeast corner.

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

## EROSION

**Erosion Issues:** Gullying

Gullying in E and SE portion of pad; appears check dams installed in SE portion of gully. Erosion photo 1: gullying looking NE. Erosion photo 2: gullying looking SE. Erosion photo 3: showing check dams in gully in SE corner looking SE. Erosion photo 4: gully in access road (looking E).

### BLM RECLAMATION TIMETABLE:

% Area in Use:	5
% Monitor:	95
% Acceptable:	0
% Reclamation Complete:	0
% Restored:	0

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

Desirables cover is sparse, some cheatgrass present in northeast corner. Erosion is somewhat severe and should be further mitigated.

### 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>								
Elymus trachycaulus	6	2	4	4	2	0	2	1.33
Pascopyrum smithii	0	2	2	1.33	0	0	2	0.67
<b>Total Acceptable Cover</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>5.33</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>2</b>
<b>Undesirable Species</b>								
Bassia scoparia		2		0.67		2		0.67
<b>Total Undesirable Cover</b>		<b>2</b>		<b>0.67</b>		<b>2</b>		<b>0.67</b>
<b>Total Vegetative Cover:</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>2.67</b>
Litter	6	2	4	4	6	2	4	4
Rock	0			0	2			0.67
<b>Total Non-Vegetative Cover</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>4.67</b>
<b>Total Cover</b>	<b>12</b>	<b>8</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4</b>	<b>8</b>	<b>7.34</b>
Bare	88	92	90	90	90	96	92	92.67

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	88.89		
Agropyron cristatum	Observed		11.11	
Atriplex canescens	Observed			0
Atriplex confertifolia	Observed			
Bassia scoparia	1			
Bromus tectorum	Observed			
Chrysothamnus viscidiflorus	1	1	Flat	(NE)
Elymus trachycaulus	3	2	Flat	(S)
Gutierrezia sarothrae	Observed	3	20	S
Halogeton glomeratus	1			
Hordeum jubatum	1			
Lepidium perfoliatum	Observed			
Melilotus officinalis	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	3			
Psathyrostachys juncea	Observed			
Sarcobatus vermiculatus	Observed			
Unknown Fabaceae	3			

## RMV 60-17



RMV 60-17 North

Photo Date: 7/15/2008

X: 2318035.67689 Y: 1622865.07214



RMV 60-17 East

Photo Date: 7/15/2008

X: 2318137.18737 Y: 1622720.34514



RMV 60-17 South

Photo Date: 7/15/2008

X: 2317977.39770 Y: 1622856.85991



RMV 60-17 West

Photo Date: 7/15/2008

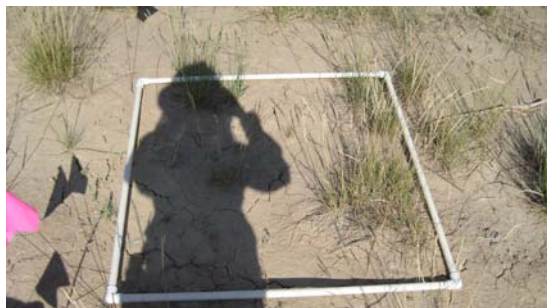
X: 2318156.69972 Y: 1622686.82987



RMV 60-17 Sample Point 1

Photo Date: 7/15/2008

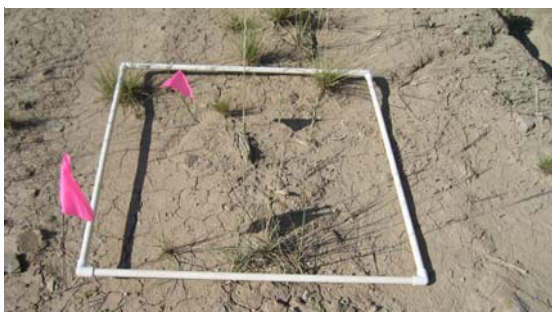
X: 2318058.46127 Y: 1622673.58983



RMV 60-17 Sample Point 2

Photo Date: 7/15/2008

X: 2325094.09064 Y: 1611411.41540



RMV 60-17 Sample Point 3

Photo Date: 7/15/2008

X: 2325020.56327 Y: 1611497.64817



RMV 60-17 Erosion Picture 1

Photo Date: 7/15/2008

X: 2325217.46275 Y: 1611596.21499

## RMV 60-17



RMV 60-17 Erosion Picture 2

Photo Date: 7/15/2008

X: 2325322.72767 Y: 1611496.18215



RMV 60-17 Erosion Picture 3

Photo Date: 7/15/2008

X: 2325125.26197 Y: 1611527.88132



RMV 60-17 Erosion Picture 4

Photo Date: 7/15/2008

X: 2325172.80739 Y: 1611451.88768

**Well ID: RMV 65-20**

Monitor Date: 7/9/2008

Observers: N. Weisenbacher, L. Brandt

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

**Approximate Seed Date:**

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

## **VEGETATION**

**Total Acceptable Vegetation % Cover:** 32

**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:** Good

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Good

### **Comments**

### **Undesirable Vegetation**

**Noxious Weeds Present?** Yes Erodium and cheatgrass only.

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

## **EROSION**

**Erosion Issues:** None

### **BLM RECLAMATION TIMETABLE:**

% Area in Use: 10

% Monitor: 5

% Acceptable: 85

% Reclamation Complete: 0

% Restored: 0

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

Area southwest of road and east of battery is mostly cheatgrass and kochia- could be re-seeded.

**Major Facilities Issues:** Fence around reclamation damaged.

**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	16	30	24	23.33	8	8	8	8
Bromus inermis		2		0.67		0		0
Pascopyrum smithii	12	10	0	7.33	4	2	0	2
Poa pratensis	2			0.67	0			0
<b>Total Acceptable Cover</b>	<b>30</b>	<b>42</b>	<b>24</b>	<b>32</b>	<b>12</b>	<b>10</b>	<b>8</b>	<b>10</b>
<b>Undesirable Species</b>								
Bromus tectorum		6	14	6.67		0	4	1.33
<b>Total Undesirable Cover</b>		<b>6</b>	<b>14</b>	<b>6.67</b>		<b>0</b>	<b>4</b>	<b>1.33</b>
<b>Total Vegetative Cover:</b>	<b>30</b>	<b>48</b>	<b>38</b>	<b>38.67</b>	<b>12</b>	<b>10</b>	<b>12</b>	<b>11.33</b>
Litter	30	28	30	29.33	40	54	42	45.33
Rock	4	4	4	4	6	6	16	9.33
Standing Litter	4	4	2	3.33	0	4	0	1.33
<b>Total Non-Vegetative Cover</b>	<b>38</b>	<b>36</b>	<b>36</b>	<b>36.66</b>	<b>46</b>	<b>64</b>	<b>58</b>	<b>55.99</b>
<b>Total Cover</b>	<b>68</b>	<b>84</b>	<b>74</b>	<b>75.33</b>	<b>58</b>	<b>74</b>	<b>70</b>	<b>67.32</b>
Bare	32	16	26	24.67	42	24	30	32

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	3	99.99		
Artemisia tridentata	Observed		0	
Atriplex canescens	2			0
Atriplex confertifolia	Observed			
Bassia scoparia	1			
Bromus inermis	1			
Bromus tectorum	2			
Chrysothamnus viscidiflorus	Observed			
Erodium cicutarium	2			
Lactuca serriola	Observed			
Leymus cinereus	1			
Melilotus officinalis	Observed			
Pascopyrum smithii	3			
Poa pratensis	1			
Sarcobatus vermiculatus	Observed			
Sisymbrium altissimum	2			
Tragopogon dubius	Observed			

Transect	% Slope	Aspect
1	0	(S)
2	16	S
3	25	S



## RMV 65-20



RMV 65-20 North

Photo Date: 7/9/2008

X: 2325253.67342 Y: 1611425.46085



RMV 65-20 East

Photo Date: 7/9/2008

X: GPS data not available Y:



RMV 65-20 South

Photo Date: 7/9/2008

X: GPS data not available Y:



RMV 65-20 West

Photo Date: 7/9/2008

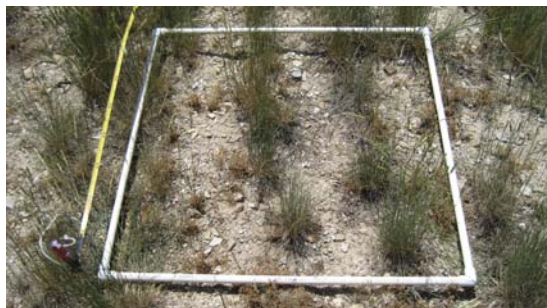
X: GPS data not available Y:



RMV 65-20 Sample Point 1

Photo Date: 7/9/2008

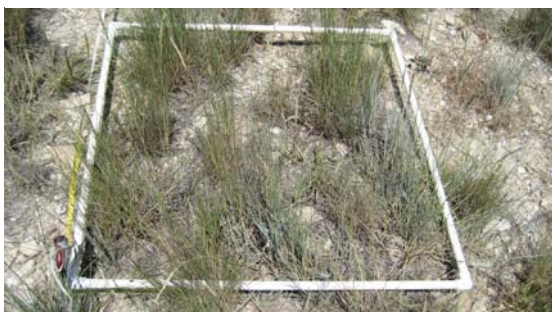
X: GPS data not available Y:



RMV 65-20 Sample Point 2

Photo Date: 7/9/2008

X: 2319068.53221 Y: 1622916.99060



RMV 65-20 Sample Point 3

Photo Date: 7/9/2008

X: 2319065.30367 Y: 1623079.34175

**Well ID: RMV 67-20**

Monitor Date: 7/15/2008

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:** 23.32

**Reference Area % Cover:** 25.8

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 84.77 Forbs 5.086 Shrubs 10.17

## Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Healthy

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Healthy

## Comments

## Undesirable Vegetation

**Noxious Weeds Present?** Yes Erodium and cheatgrass interspersed, some Russian thistle.

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

## EROSION

**Erosion Issues:** None

## BLM RECLAMATION TIMETABLE:

% Area in Use: 50

% Monitor: 20

% Acceptable: 30

% Reclamation Complete: 0

% Restored: 0

## Additional work needed to obtain 90% cover:

Some weed control would be beneficial and overseeding of more sparsely vegetated 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>								
Agropyron cristatum			4	1.33			2	0.67
Atriplex canescens	0	12		4	0	0		0
Elymus trachycaulus	10		12	7.33	4		2	2
Pascopyrum smithii	2	4	4	3.33	0	4	2	2
Poa pratensis			22	7.33			10	3.33
<b>Total Acceptable Cover</b>	<b>12</b>	<b>16</b>	<b>42</b>	<b>23.32</b>	<b>4</b>	<b>4</b>	<b>16</b>	<b>8</b>
<b>Undesirable Species</b>								
Bromus tectorum	14	28	0	14	0	8	0	2.67
Erodium cicutarium	2	4		2	0	2		0.67
<b>Total Undesirable Cover</b>	<b>16</b>	<b>32</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>3.34</b>
<b>Total Vegetative Cover:</b>	<b>28</b>	<b>48</b>	<b>42</b>	<b>39.32</b>	<b>4</b>	<b>14</b>	<b>16</b>	<b>11.34</b>
Litter	52	20	12	28	70	44	26	46.67
Rock	6	16	18	13.33	10	22	26	19.33
<b>Total Non-Vegetative Cover</b>	<b>58</b>	<b>36</b>	<b>30</b>	<b>41.33</b>	<b>80</b>	<b>66</b>	<b>52</b>	<b>66</b>
<b>Total Cover</b>	<b>86</b>	<b>84</b>	<b>72</b>	<b>80.65</b>	<b>84</b>	<b>80</b>	<b>68</b>	<b>77.34</b>
Bare	14	16	28	19.33	16	20	32	22.67

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	1	84.77		
Artemisia tridentata	Observed		5.086	
Atriplex canescens	2			10.17
Atriplex confertifolia	Observed			
Bassia scoparia	Observed			
Bromus tectorum	3			
Chrysothamnus viscidiflorus	1	1	5	NE
Elymus trachycaulus	2	2	12	SE
Erodium cicutarium	2	3	6	S/SE
Ericameria nauseosa	Observed			
Leymus cinereus	Observed			
Melilotus officinalis	Observed			
Pascopyrum smithii	3			
Poa pratensis	1			
Salsola kali	Observed			
Sisymbrium altissimum	Observed			

## RMV 67-20



RMV 67-20 North

Photo Date: 7/15/2008

X: 2319174.83721

Y: 1623153.77286



RMV 67-20 East

Photo Date: 7/15/2008

X: 2319215.95125

Y: 1623038.16948



RMV 67-20 South

Photo Date: 7/15/2008

X: 2319053.98997

Y: 1622991.94281



RMV 67-20 West

Photo Date: 7/15/2008

X: GPS data not available Y:



RMV 67-20 Sample Point 2

Photo Date: 7/15/2008

X: 2319145.21057

Y: 1622981.40760



RMV 67-20 Sample Point 3

Photo Date: 7/15/2008

X: 2319178.82237

Y: 1623053.43420



RMV 67-20 Sample Point 1

Photo Date: 7/15/2008

X: 2317892.23650

Y: 1619638.51646



**Well ID: RMV 89-17**

BLM Land

Monitor Date: 7/15/2008

Observers: N. Weisenbacher

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

**Approximate Seed Date:** Never?

**Vegetation Community:** Salt Desert Scrubland High Elevation      Salt Desert Scrubland and Pinon-Juniper Woodland.

## VEGETATION

**Total Acceptable Vegetative % Cover:** 0

**Reference Area % Cover:** 29.8

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 0      Forbs 100.1      Shrubs 0

## Desirable Vegetation

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:** Stunted

☐ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Mostly dead

## Comments

## Undesirable Vegetation

**Noxious Weeds Present?** Yes

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

## EROSION

**Erosion Issues:** Minor

Erosion photo 1: southwest part of pad looking west. Erosion photo 2: southwest part of pad looking E.

## BLM RECLAMATION TIMETABLE:

% Area in Use: 50

% Monitor: 50

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

## Additional work needed to obtain 90% cover:

Site would benefit from ripping and overseeding.

## Major Facilities Issues:

**Additional Comments:** GPS points only available for West looking photo location and Transect 2.



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

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
<b>Undesirable Species</b>								
Bassia scoparia	6			2	0			0
Halogeton glomeratus	4			1.33	0			0
<b>Total Undesirable Cover</b>	<b>10</b>			<b>3.33</b>	<b>0</b>			<b>0</b>
<b>Total Vegetative Cover:</b>	<b>10</b>			<b>3.33</b>	<b>0</b>			<b>0</b>
Litter	36	74	64	58	46	72	64	60.67
Rock	4		8	4	4		8	4
<b>Total Non-Vegetative Cover</b>	<b>40</b>	<b>74</b>	<b>72</b>	<b>62</b>	<b>50</b>	<b>72</b>	<b>72</b>	<b>64.67</b>
<b>Total Cover</b>	<b>50</b>	<b>74</b>	<b>72</b>	<b>65.33</b>	<b>50</b>	<b>72</b>	<b>72</b>	<b>64.67</b>
Bare	50	26	28	34.67	50	28	28	35.33

**Species List**

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Bassia scoparia	1	Grasses	0
Halogeton glomeratus	1	Forbs	100.1
xTriticosecale rimpau 1	1	Shrubs	0
Unidentifiable grass	Observed		
	<b>Transect</b>	<b>% Slope</b>	<b>Aspect</b>
	1	10	SE
	2	33	NE
	3	8	

## RMV 89-17



RMV 89-17 North

Photo Date: 7/15/2008

X: 2319167.62556 Y: 1623053.15615



RMV 89-17 East

Photo Date: 7/15/2008

X: 2319131.31371 Y: 1622987.50721



RMV 89-17 South

Photo Date: 7/15/2008

X: 2319073.81831 Y: 1622951.11520



RMV 89-17 West

Photo Date: 7/15/2008

X: 2319935.40584 Y: 1618148.48054



RMV 89-17 Sample Point 1

Photo Date: 7/15/2008

X: 2319704.26145 Y: 1618210.43136



RMV 89-17 Sample Point 2

Photo Date: 7/15/2008

X: 2319796.42958 Y: 1618383.06555



RMV 89-17 Sample Point 3

Photo Date: 7/15/2008

X: 2320067.42890 Y: 1618275.87852



RMV 89-17 Erosion Picture 1

Photo Date: 7/15/2008

X: 2319980.13933 Y: 1618272.06694

## RMV 89-17



RMV 89-17 Erosion Picture 2

Photo Date: 7/15/2008

X: GPS data not available Y: