

**Well ID: RWF 34-18**

Monitor Date: 7/11/2008

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:** 38

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 98.86 Forbs 1.136 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, erodium, Russian thistle, interspersed, however is very minor. Small patch of erodium on north edge of pad.

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

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

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

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

Overall very healthy-looking reclaimed area with minor weed issues. Unsure if reclaimed area south of pad and road is pad or road. Reclamation looks older than pad reclamation on north side of pad.

### 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	4	14	7.33	2	0	8	3.33
Bromus inermis	0	8	4	4	0	0	0	0
Medicago sativa			2	0.67			2	0.67
Pascopyrum smithii	14	30	34	26	4	12	14	10
<b>Total Acceptable Cover</b>	<b>18</b>	<b>42</b>	<b>54</b>	<b>38</b>	<b>6</b>	<b>12</b>	<b>24</b>	<b>14</b>
<b>Undesirable Species</b>								
Bromus tectorum	52	10		20.67	20	0		6.67
<b>Total Undesirable Cover</b>	<b>52</b>	<b>10</b>		<b>20.67</b>	<b>20</b>	<b>0</b>		<b>6.67</b>
<b>Total Vegetative Cover:</b>	<b>70</b>	<b>52</b>	<b>54</b>	<b>58.67</b>	<b>26</b>	<b>12</b>	<b>24</b>	<b>20.67</b>
Litter	14	34	16	21.33	50	72	36	52.67
Rock	0	0	4	1.33	2	2	4	2.67
Standing Litter	2	2	2	2	0	0	0	0
<b>Total Non-Vegetative Cover</b>	<b>16</b>	<b>36</b>	<b>22</b>	<b>24.66</b>	<b>52</b>	<b>74</b>	<b>40</b>	<b>55.34</b>
<b>Total Cover</b>	<b>86</b>	<b>88</b>	<b>76</b>	<b>83.33</b>	<b>78</b>	<b>86</b>	<b>64</b>	<b>76.01</b>
Bare	14	12	24	16.67	20	14	36	23.33

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	1	98.86		
Agropyron cristatum	3		1.136	
Ambrosia artemisiifolia	1			0
Astragalus cicer	Observed			
Atriplex canescens	Observed			
Atriplex confertifolia	1			
Bassia scoparia	Observed			
Bromus arvensis	Observed			
Bromus inermis	3			
Bromus tectorum	2			
Chrysothamnus viscidiflorus	Observed			
Elymus lanceolatus	1			
Elymus trachycaulus	Observed			
Erodium cicutarium	2			
Gutierrezia sarothrae	Observed			
Melilotus officinalis	Observed			
Medicago sativa	1			
Pascopyrum smithii	3			
Penstemon palmeri	Observed			
Ratibida columnifera	Observed			
Salsola kali	Observed			
Sisymbrium altissimum	2			
Taraxacum officinale	Observed			
Tragopogon dubius	1			

Transect	% Slope	Aspect
1	25	S
2	14	SE
3	25	E



## RWF 34-18



RWF 34-18 North

Photo Date: 7/11/2008

X: 2315397.27658 Y: 1622941.58898



RWF 34-18 East

Photo Date: 7/11/2008

X: 2315229.03078 Y: 1623057.54990



RWF 34-18 South

Photo Date: 7/11/2008

X: 2315385.62778 Y: 1623217.91025



RWF 34-18 West

Photo Date: 7/11/2008

X: 2315438.64839 Y: 1623140.02018



RWF 34-18 Sample Point 1

Photo Date: 7/11/2008

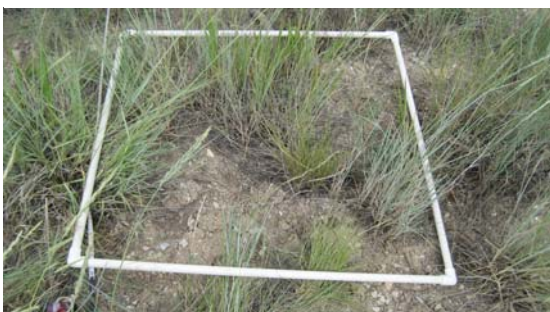
X: 2315423.94213 Y: 1623136.94216



RWF 34-18 Sample Point 2

Photo Date: 7/11/2008

X: 2315357.23245 Y: 1623229.17858



RWF 34-18 Sample Point 3

Photo Date: 7/11/2008

X: 2315260.90427 Y: 1623116.20879

**Well ID: RWF 44-18**

Monitor Date: 7/11/2008

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:** 2.67

**Reference Area % Cover:** 10.2

**90% of Reference Area?** No

**Relative % Cover of:** Grasses 25 Forbs 75 Shrubs 0

### Desirable Vegetation

**Appears vigorous and self sustaining?** No

☐ New Shoots

☐ Litter

**Size:** Many stunted, some good size

☒ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Mostly senesced, some go

### Comments

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Cheatgrass, Russian thistle.

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

## EROSION

**Erosion Issues:** None

### BLM RECLAMATION TIMETABLE:

% Area in Use: 40

% Monitor: 60

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

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

It appears site was seeded in fall 2007. Desirables have germinated but generally cover is sparse and somewhat stunted. On northern section of pad most of germinated seedlings look stunted.

### 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>								
Chenopodium album	0		2	0.67	0		0	0
xTriticosecale rimpai 2	6	0	0	2	0	0	0	0
<b>Total Acceptable Cover</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>2.67</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Undesirable Species</b>								
Polygonum aviculare			6	2			0	0
Sisymbrium altissimum			10	3.33			2	0.67
<b>Total Undesirable Cover</b>			<b>16</b>	<b>5.33</b>			<b>2</b>	<b>0.67</b>
<b>Total Vegetative Cover:</b>	<b>6</b>	<b>0</b>	<b>18</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0.67</b>
Litter	16	66	48	43.33	18	66	64	49.33
Rock	20	2	6	9.33	24	2	6	10.67
<b>Total Non-Vegetative Cover</b>	<b>36</b>	<b>68</b>	<b>54</b>	<b>52.66</b>	<b>42</b>	<b>68</b>	<b>70</b>	<b>60</b>
<b>Total Cover</b>	<b>42</b>	<b>68</b>	<b>72</b>	<b>60.66</b>	<b>42</b>	<b>68</b>	<b>72</b>	<b>60.67</b>
Bare	58	32	28	39.33	58	32	28	39.33

**Species List**

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Alyssum desertorum	Observed	Grasses	25
Bassia scoparia	Observed	Forbs	75
Bromus arvensis	1	Shrubs	0
Bromus tectorum	1		
Chenopodium album	2		
Chenopodium murale	Observed	<b>Transect % Slope Aspect</b>	
Chrysothamnus viscidiflorus	Observed	1	20 S
Eremopyrum triticeum	1	2	20 S
Grindelia squarrosa	Observed	3	20 S
Lepidium perfoliatum	1		
Pascopyrum smithii	1		
Polygonum aviculare	1		
Salsola kali	1		
Sisymbrium altissimum	1		
xTriticosecale rimpai 2	3		
Unknown Forb	1		
Verbena bracteata	Observed		



## RWF 44-18



RWF 44-18 North

Photo Date: 7/11/2008

X: 2316878.82155 Y: 1623451.68592



RWF 44-18 East

Photo Date: 7/11/2008

X: 2316731.57760 Y: 1623640.24306



RWF 44-18 South

Photo Date: 7/11/2008

X: 2316933.46317 Y: 1623749.25690



RWF 44-18 West

Photo Date: 7/11/2008

X: 2317027.01771 Y: 1623641.77491



RWF 44-18 Sample Point 1

Photo Date: 7/11/2008

X: 2316892.06770 Y: 1623518.33779



RWF 44-18 Sample Point 2

Photo Date: 7/11/2008

X: 2316921.14249 Y: 1623651.06173



RWF 44-18 Sample Point 3

Photo Date: 7/11/2008

X: 2316900.66269 Y: 1623734.24267

**Well ID: W 18-27**

Monitor Date: 7/22/2008

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:** 29.32

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 54.57 Forbs 0 Shrubs 45.48

## 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 Some cheatgrass and Russian thistle but sparsely scattered.

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

## EROSION

**Erosion Issues:** None

## BLM RECLAMATION TIMETABLE:

% Area in Use: 15

% Monitor: 40

% Acceptable: 45

% Reclamation Complete: 0

% Restored: 0

## Additional work needed to obtain 90% cover:

Just a few sparse areas and site is relatively newly reclaimed.  
Overall, desirable growth is very good and weeds are minimal.  
Good shrub regrowth.

## 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>								
Atriplex canescens			40	13.33			0	0
Pascopyrum smithii			10	3.33			4	1.33
Pseudoroegneria spicata			6	2			4	1.33
Thinopyrum intermedium	20	8		9.33	6	0		2
Thinopyrum ponticum		4		1.33		4		1.33
<b>Total Acceptable Cover</b>	<b>20</b>	<b>12</b>	<b>56</b>	<b>29.32</b>	<b>6</b>	<b>4</b>	<b>8</b>	<b>5.99</b>
<b>Total Vegetative Cover:</b>	<b>20</b>	<b>12</b>	<b>56</b>	<b>29.32</b>	<b>6</b>	<b>4</b>	<b>8</b>	<b>5.99</b>
Litter	44	28	22	31.33	58	34	72	54.67
Rock	8	10	2	6.67	8	10	6	8
Standing Litter			8	2.67			0	0
<b>Total Non-Vegetative Cover</b>	<b>52</b>	<b>38</b>	<b>32</b>	<b>40.67</b>	<b>66</b>	<b>44</b>	<b>78</b>	<b>62.67</b>
<b>Total Cover</b>	<b>72</b>	<b>50</b>	<b>88</b>	<b>69.99</b>	<b>72</b>	<b>48</b>	<b>86</b>	<b>68.66</b>
Bare	28	50	12	30	28	52	14	31.33

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	54.57		
Agropyron cristatum	Observed		0	
Atriplex canescens	1			45.48
Atriplex confertifolia	Observed			
Bassia scoparia	1			
Bromus inermis	Observed			
Bromus tectorum	Observed			
Chrysothamnus viscidiflorus	Observed			
Gutierrezia sarothrae	Observed			
Halogeton glomeratus	Observed			
Lactuca serriola	Observed			
Lepidium perfoliatum	Observed			
Pascopyrum smithii	1			
Psathyrostachys juncea	1			
Pseudoroegneria spicata	1			
Salsola kali	Observed			
Sarcobatus vermiculatus	Observed			
Stanleya pinnata	Observed			
Thinopyrum intermedium	2			
Thinopyrum ponticum	1			
Tragopogon dubius	Observed			
Unknown Panicum 1	Observed			
Unknown Shrub 2	Observed			

Transect	% Slope	Aspect
1	5	W
2	Flat	(S)
3	20	SW

## W 18-27



W 18-27 North

Photo Date: 7/22/2008

X: 2296674.38039 Y: 1613039.06718



W 18-27 East

Photo Date: 7/22/2008

X: 2296705.75682 Y: 1613225.72198



W 18-27 South

Photo Date: 7/22/2008

X: 2296821.21178 Y: 1613356.45415



W 18-27 West

Photo Date: 7/22/2008

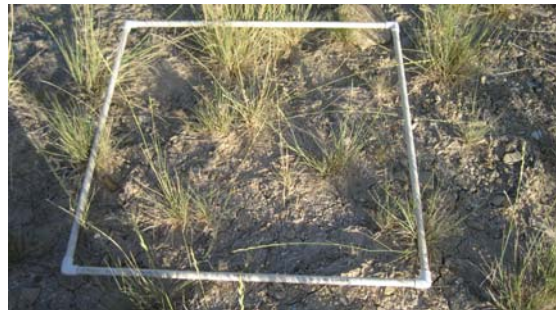
X: 2296861.69557 Y: 1613229.22741



W 18-27 Sample Point 1

Photo Date: 7/22/2008

X: 2296847.41805 Y: 1613202.99766



W 18-27 Sample Point 2

Photo Date: 7/22/2008

X: 2296781.48106 Y: 1613229.83850



W 18-27 Sample Point 3

Photo Date: 7/22/2008

X: 2296665.02366 Y: 1612981.36047

**Well ID: W 19-28**

Monitor Date: 7/22/2008

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:** 38.66

**Reference Area % Cover:** 29.8

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 100.0 Forbs 0 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 Some cheatgrass interspersed, heavier infestation on east portion of pad. Chicory on southeastern portion but mostly limited to small patches.

**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 has a good start. Continue to monitor to ensure success.

### 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	16			5.33	2			0.67
Psathyrostachys juncea	20	30		16.67	10	24		11.33
Thinopyrum intermedium	24		16	13.33	12		8	6.67
Thinopyrum ponticum		2	8	3.33		0	8	2.67
<b>Total Acceptable Cover</b>	<b>60</b>	<b>32</b>	<b>24</b>	<b>38.66</b>	<b>24</b>	<b>24</b>	<b>16</b>	<b>21.34</b>
<b>Total Vegetative Cover:</b>	<b>60</b>	<b>32</b>	<b>24</b>	<b>38.66</b>	<b>24</b>	<b>24</b>	<b>16</b>	<b>21.34</b>
Litter	4	14	20	12.67	12	18	20	16.67
Rock	6	4	4	4.67	12	4	4	6.67
Standing Litter	2			0.67	0			0
<b>Total Non-Vegetative Cover</b>	<b>12</b>	<b>18</b>	<b>24</b>	<b>18.01</b>	<b>24</b>	<b>22</b>	<b>24</b>	<b>23.34</b>
<b>Total Cover</b>	<b>72</b>	<b>50</b>	<b>48</b>	<b>56.67</b>	<b>48</b>	<b>46</b>	<b>40</b>	<b>44.68</b>
Bare	28	50	52	43.33	52	54	60	55.33

**Species List**

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Artemisia tridentata	1	100.0		
Astragalus cicer	Observed		0	
Bassia scoparia	Observed			0
Bromus tectorum	1			
Chrysothamnus viscidiflorus	2			
Cichorium intybus	Observed			
Convolvulus arvensis	Observed			
Erodium cicutarium	Observed			
Eremopyrum triticeum	Observed			
Gutierrezia sarothrae	Observed			
Lactuca serriola	Observed			
Pascopyrum smithii	1			
Poa sp.	2			
Psathyrostachys juncea	2			
Salsola kali	1			
Sarcobatus vermiculatus	1			
Sisymbrium altissimum	Observed			
Thinopyrum intermedium	2			
Thinopyrum ponticum	2			
Tragopogon dubius	Observed			

Transect	% Slope	Aspect
1	28	S
2	Flat	(S)
3	5	SW



## W 19-28



W 19-28 North

Photo Date: 7/22/2008

X: 2294728.10014 Y: 1613110.61327



W 19-28 East

Photo Date: 7/22/2008

X: 2294668.76432 Y: 1613089.95985



W 19-28 South

Photo Date: 7/22/2008

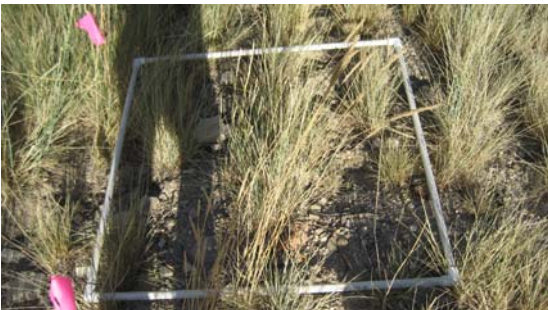
X: 2294644.00298 Y: 1613381.89048



W 19-28 West

Photo Date: 7/22/2008

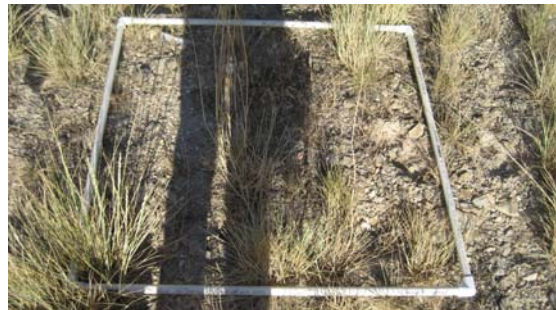
X: 2294782.87065 Y: 1613213.83457



W 19-28 Sample Point 1

Photo Date: 7/22/2008

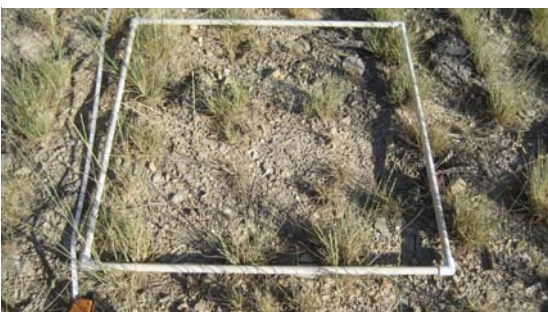
X: 2294706.91057 Y: 1613115.78439



W 19-28 Sample Point 2

Photo Date: 7/22/2008

X: 2294752.98333 Y: 1613062.95842



W 19-28 Sample Point 3

Photo Date: 7/22/2008

X: 2294685.73123 Y: 1613294.64988

**Well ID: W 29-26**

Monitor Date: 7/17/2008

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

**Reference Area % Cover:** 10.2

**90% of Reference Area?** Yes

**Relative % Cover of:** Grasses 100 Forbs 0 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 Russian knapweed present on south and southeast portion of pad, some cheatgrass and erodium present.

**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:

For most part site looks healthy and mostly weed-free, some weed control on knapweed a good idea.

### 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	6	10	18	11.33	2	6	12	6.67
Bromus inermis	8	16		8	6	6		4
Pascopyrum smithii		2		0.67		0		0
Psathyrostachys juncea			12	4			12	4
<b>Total Acceptable Cover</b>	<b>14</b>	<b>28</b>	<b>30</b>	<b>24</b>	<b>8</b>	<b>12</b>	<b>24</b>	<b>14.67</b>
<b>Undesirable Species</b>								
Bromus tectorum		2	4	2		0	2	0.67
<b>Total Undesirable Cover</b>		<b>2</b>	<b>4</b>	<b>2</b>		<b>0</b>	<b>2</b>	<b>0.67</b>
<b>Total Vegetative Cover:</b>	<b>14</b>	<b>30</b>	<b>34</b>	<b>26</b>	<b>8</b>	<b>12</b>	<b>26</b>	<b>15.34</b>
Litter	34	18	8	20	38	46	10	31.33
Rock	2	0	0	0.67	2	0	0	0.67
Standing Litter	2	2		1.33	0	0		0
<b>Total Non-Vegetative Cover</b>	<b>38</b>	<b>20</b>	<b>8</b>	<b>22</b>	<b>40</b>	<b>46</b>	<b>10</b>	<b>32</b>
<b>Total Cover</b>	<b>52</b>	<b>50</b>	<b>42</b>	<b>48</b>	<b>48</b>	<b>58</b>	<b>36</b>	<b>47.34</b>
Bare	48	50	58	52	52	42	64	52.67

## Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	100		
Acroptilon repens	1		0	
Agropyron cristatum	3			0
Ambrosia artemisiifolia	Observed			
Artemisia tridentata	Observed			
Atriplex canescens	Observed			
Atriplex confertifolia	Observed			
Bassia scoparia	Observed			
Bromus inermis	2			
Bromus tectorum	2			
Chrysothamnus viscidiflorus	Observed			
Dactylis glomerata	Observed			
Erodium cicutarium	Observed			
Ericameria nauseosa	Observed			
Eremopyrum triticeum	Observed			
Gaura sp.	Observed			
Gutierrezia sarothrae	1			
Halogeton glomeratus	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	Observed			
Melilotus officinalis	Observed			
Medicago sativa	1			
Pascopyrum smithii	1			
Polygonum aviculare	Observed			

Transect	% Slope	Aspect
1	5	NW
2	8	S/SW
3	11	S/SW



Psathyrostachys juncea	1
Sarcobatus vermiculatus	Observed
Thinopyrum intermedium	1
Tragopogon dubius	Observed
xTriticosecale rimpaii 1	Observed
Unknown Aster 1	Observed

## W 29-26



W 29-26 North

Photo Date: 7/17/2008

X: 2302121.89214 Y: 1612832.58584



W 29-26 East

Photo Date: 7/17/2008

X: 2302270.29428 Y: 1613102.38328



W 29-26 South

Photo Date: 7/17/2008

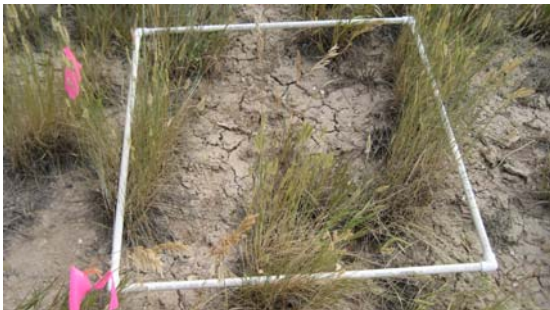
X: 2302435.64689 Y: 1613033.23248



W 29-26 West

Photo Date: 7/17/2008

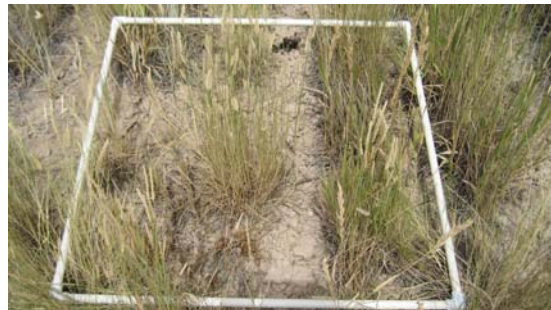
X: 2302406.15854 Y: 1612887.98499



W 29-26 Sample Point 1

Photo Date: 7/17/2008

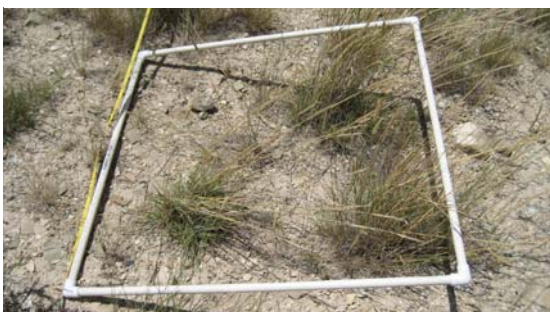
X: 2302339.98407 Y: 1612879.71899



W 29-26 Sample Point 2

Photo Date: 7/17/2008

X: 2302366.43898 Y: 1613065.26134



W 29-26 Sample Point 3

Photo Date: 7/17/2008

X: 2302167.71781 Y: 1612850.52726

**Reference Area**  
**Monitoring Reports & Photos**

## Oak Brush Mountain Shrubland

Monitor Date: 10/16/2008

Observers: N. Weisenbacher, L. Brandt

### VEGETATION

**Reference Area % Cover:** 31.2

**Relative % Cover:** Grasses 2.6% Forbs 3.8% Shrubs 47.0% Trees 46.6%

### 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 Chinese Clematis on road adjacent to reference area and along drainage channel on west side of reference area

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

### EROSION

**Erosion Issues:** None

**Additional Comments:**

Oak Brush Mountain Shrubland

VEGETATION DATA

Percent Cover

Species	Mean	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30
Acceptable Species																															
Amelanchier utahensis	5.47	2		24	6		44	0	2		2		2		0																
Bromus arvensis	0.13										2																				
Mahonia repens	7.87	40	8	8	12					26		20				4															
Prunus virginiana	0.13									2																					
Quercus gambelii	8.93	0	46	10	8	14		0	12	24	4		4		4	8															
Rhus trilobata	4					2	4				16			38																	
Rosa woodsii	0.27				4																										
Symphoricarpos oreophilus	2.53					12			8			18		0																	
Unknown Forb	1.2				8						10																				
Unidentifiable grass	0.67			2		4			2			2																			
Total Acceptable Cover	31.2	42	54	44	38	32	48	0	24	52	34	40	6	38	4	12															
Total Vegetative Cover	31.2	42	54	44	38	32	48	0	24	52	34	40	6	38	4	12															
Litter	64.4	58	46	40	62	68	36	100	76	48	66	58	88	42	90	88															
Rock	1.2			2			16																								
standing litter	0																														
Total Cover	96.8	100	100	86	100	100	100	100	100	100	100	98	94	80	94	100															
Bare	3.2			14								2	6	20	6																

Relative % Cover		Species List							
Grasses	2.6%	Species		Frequency(%)		Species		Frequency(%)	
Forbs	3.8%	Achillea millefolium		Observed		Amelanchier utahensis		60	
Shrubs	47.0%	Bromus tectorum		Observed		Chrysothamnus viscidiflorus		Observed	
Trees	46.6%	Penstemon palmeri		Observed		Prunus virginiana		6.67	
		Rosa woodsii		6.67		Symphoricarpos oreophilus		26.67	
		Species		Frequency(%)		Species		Frequency(%)	
		Artemisia tridentata		Observed		Bromus arvensis		6.67	
		Gutierrezia sarothrae		Observed		Mahonia repens		46.67	
		Quercus gambelii		80		Rhus trilobata		26.67	
		Unknown Forb		13.33		Unidentifiable grass		26.67	



## Oak Brush Mountain Shrubland



North

Photo Date: 10/16/2008

X: 2256560.19875

Y: 2256560.19875



East

Photo Date: 10/16/2008

X: 2256534.99864

Y: 2256534.99864



South

Photo Date: 10/16/2008

X: 2256889.34715

Y: 2256889.34715



West

Photo Date: 10/16/2008

X: 2256883.05196

Y: 2256883.05196



Sample 2

Photo Date: 10/16/2008

X: 2256975.15457

Y: 2256975.15457



Sample 5

Photo Date: 10/16/2008

X: 2256828.76122

Y: 2256828.76122



Sample 8

Photo Date: 10/16/2008

X: 2256702.98976

Y: 2256702.98976



Sample 13

Photo Date: 10/16/2008

X: 2256677.70504

Y: 2256677.70504

## Oak Brush Mountain Shrubland



Sample 14

Photo Date: 10/16/2008

X: 2256786.18577

Y: 2256786.18577



## Pinon-Juniper Woodland North Aspect

Monitor Date: 10/17/2008

Observers: N. Weisenbacher, L. Brandt

### VEGETATION

**Reference Area % Cover:** 28.26

**Relative % Cover:** Grasses 71.6% Forbs 0.4% Shrubs 4.7% Trees 23.3%

### 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 present but sparse

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

### EROSION

**Erosion Issues:** None

**Additional Comments:**

Pinon-Juniper Woodland North Aspect																	VEGETATION DATA																								
Percent Cover																																									
Species		Mean	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30									
Acceptable Species																																									
Achnatherum hymenoides		0.27			4																																				
Agropyron cristatum		1.2								8			6		2	2																									
Artemisia tridentata		1.2			16	0						2																													
Bromus arvensis		2.67				2	14		4				18	2																											
Dactylis glomerata		0.13					2																																		
Gutierrezia sarothrae		0.13				2																																			
Juniperus osteosperma		7.33	0	0		26		0	30	0	20	0	12	20	0	0	2																								
Opuntia sp.		0.13			0							2																													
Poa sp.		7.2	12	4		16	18	10	34			4					10																								
Unknown Forb		0.13			2																																				
Unidentifiable grass		7.87			6	20	24		10	10	4	6		6	22		10																								
Total Acceptable Cover		28.3	12	4	28	66	58	10	78	18	24	14	36	28	24	2	22																								
Undesirable Species																																									
Bromus tectorum		3.2		14	2			6		6							20																								
Total Undesirable Cover		3.2	0	14	2	0	0	6	0	6	0	0	0	0	0	20	0																								
Total Vegetative Cover		31.5	12	18	30	66	58	16	78	24	24	14	36	28	24	22	22																								
Litter		56.1	58	82	36	20	28	78	12	54	76	76	36	56	74	78	78																								
Rock		2.4	2		20		10			2	0			0	2																										
standing litter		0.13				2																																			
Total Cover		90.1	72	100	86	88	96	94	90	80	100	90	72	84	100	100	100																								
Bare		8.53	8	0	14	12	4	6	10	20	0	10	28	16	0																										
Relative % Cover																																									
Species List																																									
Grasses	71.6%	Species					Frequency(%)					Species					Frequency(%)					Species					Frequency(%)					Species					Frequency(%)				
Forbs	0.4%	Achnatherum hymenoides					6.67					Agropyron cristatum					26.67					Alyssum desertorum					Observed					Artemisia tridentata					20				
Shrubs	4.7%	Bromus arvensis					33.33					Bromus inermis					Observed					Bromus tectorum					33.33					Dactylis glomerata					6.67				
Trees	23.3%	Elymus trachycaulus					Observed					Gutierrezia sarothrae					6.67					Juniperus osteosperma					86.67					Opuntia sp.					13.33				
		Quercus gambelii					Observed					Unknown Forb					6.67					Poa sp.					53.33					Unidentifiable grass					66.67				

## Pinon Juniper Woodland North Aspect



North

Photo Date: 10/17/2008

X: 2311211.50612

Y: 2311211.50612



East

Photo Date: 10/17/2008

X: 2311025.4549

Y: 2311025.4549



South

Photo Date: 10/17/2008

X: 2311114.431

Y: 2311114.431



West

Photo Date: 10/17/2008

X: 2311294.75996

Y: 2311294.75996



Sample 2

Photo Date: 10/17/2008

X: 2311110.20049

Y: 2311110.20049



Sample 4

Photo Date: 10/17/2008

X: 2311235.36279

Y: 2311235.36279



Sample 6

Photo Date: 10/17/2008

X: 2311118.39779

Y: 2311118.39779



Sample 8

Photo Date: 10/17/2008

X: 2311000.39404

Y: 2311000.39404

## Pinon Juniper Woodland North Aspect



Sample 9

Photo Date: 10/17/2008

X: 2311209.97868

Y: 2311209.97868

## Pinon-Juniper Woodland South Aspect

Monitor Date: 10/17/2008

Observers: N. Weisenbacher, L. Brandt

### VEGETATION

**Reference Area % Cover:** 10.2

**Relative % Cover:** Grasses 17.9% Forbs 12.5% Shrubs 18.5% Trees 51.1%

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☐ New Shoots

☐ Litter

**Size:** Good

☐ Flowers / Seeds

☐ Seedlings

**Color / Vigor:** Good

**Comments** Very little ground cover- mostly rocky-shale slopes with large overstory.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Small amount of cheatgrass

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

### EROSION

**Erosion Issues:** None

**Additional Comments:**

Pinon-Juniper Woodland South Aspect

VEGETATION DATA

Percent Cover

Species	Mean	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30
Acceptable Species																															
Artemisia tridentata	1.07					0																		0			32				
Elymus trachycaulus	0.07																							2							
Gutierrezia sarothrae	1.2	2				2					0				0					16		0	0	0						16	
Juniperus osteosperma	6.27	0		0	10	28	16	0		0	10	0	0	0	4	0	6	0	18			0	0	32	16	6	20	0	14	0	8
Pascopyrum smithii	0.13					4																									
Unknown Forb	0.07							0	0					0										2		0			0		
Unknown Forb 13	1.4								2		20											12						8			
Total Acceptable Cover	10.2	2	0	0	10	34	16	0	2	0	30	0	0	0	4	0	6	0	18	16	0	12	0	32	20	6	20	40	14	0	24
Undesirable Species																															
Alyssum desertorum	0.07					2																									
Bromus tectorum	2		0			44		0							0			2		10		2	2					0			
Total Undesirable Cover	2.07	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	2	0	10	0	2	2	0	0	0	0	0	0	0	0
Total Vegetative Cover	12.3	2	0	0	10	80	16	0	2	0	30	0	0	0	4	0	6	2	18	26		14	2	32	20	6	20	40	14	0	24
Litter	35.7	22	52	10	40	18	68	42	2	74	32	44	62	14	54	74	4	92	34	14	10	24	14	36	40	24	22	32	32	74	12
Rock	9.27	2	20	2			2		38		38	28			18		2		12	14	44	8	16	0	8	4	8			2	12
standing litter	0.2					2												2							2						
Total Cover	57.5	26	72	12	50	100	86	42	42	74	100	72	62	14	76	74	12	96	64	54	54	46	32	68	68	36	50	72	46	76	
Bare	42.5	74	28	88	50		14	58	58	26		28	38	86	24	26	88	4	36	46	46	54	68	32	32	64	50	28	54	24	52

Relative % Cover		Species List											
Grasses	17.9%	Species		Frequency(%)		Species		Frequency(%)		Species		Frequency(%)	
Forbs	12.5%	Unknown Forb 13		13.33		Unidentifiable grass		10		Yucca harrimaniae		Observed	
Shrubs	18.5%	Agropyron cristatum		Observed		Alyssum desertorum		3.33		Artemisia tridentata		10	
Trees	51.1%	Atriplex confertifolia		3.33		Bromus tectorum		30		Chrysothamnus viscidiflorus		Observed	
		Ericameria nauseosa		Observed		Gutierrezia sarothrae		30		Juniperus osteosperma		86.67	
		Lepidium perfoliatum		Observed		Pascopyrum smithii		3.33		Pinus edulis		Observed	
		Sarcobatus vermiculatus		Observed		Sisymbrium altissimum		10		Unknown Forb		20	
										Achnatherum hymenoides		Observed	
										Atriplex canescens		Observed	
										Elymus trachycaulus		3.33	
										Juniperus scopulorum		3.33	
										Salsola kali		3.33	



## Pinon Juniper Woodland South Aspect



North

Photo Date: 10/17/2008

X: 2303798.18927

Y: 2303798.18927



East

Photo Date: 10/17/2008

X: 2303725.60862

Y: 2303725.60862



South

Photo Date: 10/17/2008

X: 2303740.81839

Y: 2303740.81839



West

Photo Date: 10/17/2008

X: 2304070.38016

Y: 2304070.38016



Sample 3

Photo Date: 10/17/2008

X: 2303896.82923

Y: 2303896.82923



Sample 5

Photo Date: 10/17/2008

X: 2303724.09934

Y: 2303724.09934



Sample 10

Photo Date: 10/17/2008

X: 2304079.33034

Y: 2304079.33034



Sample 12

Photo Date: 10/17/2008

X: 2303779.45366

Y: 2303779.45366



## Pinon Juniper Woodland South Aspect



Sample 14

Photo Date: 10/17/2008

X: 2304056.27393

Y: 2304056.27393

## Riparian Woodland

Monitor Date: 10/15/2008

Observers: N. Weisenbacher, L. Brandt

### VEGETATION

**Reference Area % Cover:** 18.67

**Relative % Cover:** Grasses 52.2% Forbs 14.9% Shrubs 7.3% Trees 25.5%

### Desirable Vegetation

**Appears vigorous and self sustaining?** Yes

☒ New Shoots

☒ Litter

**Size:** Good

☒ Flowers / Seeds

☒ Seedlings

**Color / Vigor:** Good

**Comments** Fall = much senescence difficult to identify many plants species.

### Undesirable Vegetation

**Noxious Weeds Present?** Yes Chetgrass, Mullein, Musk Thistle

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

### EROSION

**Erosion Issues:** None

**Additional Comments:**

Riparian Woodland

VEGETATION DATA

Percent Cover		Mean	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30
Species																																
Acceptable Species																																
	Ambrosia artemisiifolia	0.73										8				0	6				6							2				
	Chrysothamnus viscidiflorus	1.07			20		0					2																		10		
	Conyza canadensis	0.07																								2						0
	Elymus lanceolatus ssp. Lanceolatus	0.4																							12							
	Equisetum	0.07																											2			
	Melilotus officinalis	0.4					6							2											4							
	Pascopyrum smithii	0.27								8					2																	
	Populus angustifolia	4.67			6	6	0	2			16			6			10	4	26	24	2	2	12	0	6	6	10		2	0		
	Populus deltoides	0.27					2	0		0		2	2	2								0										
	Rhus trilobata	0.73	0							0	0						0												0			22
	Salix exigua	1.33	0						2			0	0		18								2			12					6	
	Thinopyrum intermedium	0.73							0	0																		22				
	Unknown Forb	1.8	6						10	10	4	4				12	2							2					4			
	Unidentifiable grass	6.13	2	4	4				12	18		30				16	4	2			2			6	6	6		32		12	2	26
	Total Acceptable Cover	18.7	8	4	30	6	8	2	24	36	20	46	2	10	18	28	22	6	26	24	10	2	14	8	28	26	10	56	8	22	8	48
Undesirable Species																																
	Bromus tectorum	5	24			8			2		10	2				8	30				14			6					34	10		2
	Elymus repens	0.27	4									4																				
	Plantago lanceolata	0.6		4									10					4														
	Total Undesirable Cover	5.87	28	4	0	8	0	0	2	0	10	6	10	0	0	8	30	4	0	0	14	0	0	6	0	0	0	0	34	10	0	2
Total Vegetative Cover		24.5	36	8	30	14	8	2	26	36	30	52	12	10	18	36	52	10	26	24	24	2	14	14	28	26	10	56	42	32	8	50
	Litter	43	52	44	34	42	4	28	54	62	68	48	58	30	50	40	36	62	56	10	36	34	34	44	70	44	36	30	46	34	54	50
	Rock	10.7		32	26	2	32	62					20		12			4	18	34	2	10	36		0		32					
	standing litter	2.87						6		2				2						2		54		16	2						2	
Total Cover		81.1	88	84	90	58	44	98	80	100	98	100	90	42	80	76	88	76	100	70	62	100	84	74	100	70	78	86	88	66	64	
	Bare	18.9	12	16	10	42	56	2	20		2		10	58	20	24	12	24		30	38		16	26	0	30	22	14	12	34	36	

Relative % Cover		Species List	
Grasses	52.2%		
Forbs	14.9%		
Shrubs	7.3%		
Trees	25.5%		
		Species	Frequency(%)
		Achnatherum hymenoides	3.33
		Bromus tectorum	40
		Conyza canadensis	6.67
		Equisetum	3.33
		Pascopyrum smithii	3.33
		Rhus trilobata	20
		Thinopyrum intermedium	10
		Species	Frequency(%)
		Ambrosia artemisiifolia	16.67
		Carduus nutans	3.33
		Distichlis spicata	Observed
		Machaeranthera canescens	3.33
		Plantago lanceolata	10
		Rumex crispus	Observed
		Unknown Forb	30
		Species	Frequency(%)
		Artemisia tridentata	3.33
		Chenopodium album	Observed
		us lanceolatus ssp. Lanceolatus	3.33
		Melilotus officinalis	10
		Populus angustifolia	63.33
		Salix exigua	26.67
		Unidentifiable grass	56.67
		Species	Frequency(%)
		Asclepias speciosa	6.67
		Chrysothamnus viscidiflorus	13.33
		Elymus repens	6.67
		Moss	3.33
		Populus deltoides	23.33
		Tamarix ramosissima	20
		Verbascum thapsus	Observed

# Riparian Woodland



North

Photo Date: 10/15/2008

X: 2330049.00195

Y: 2330049.00195



East

Photo Date: 10/15/2008

X: 2329916.0272

Y: 2329916.0272



South

Photo Date: 10/15/2008

X: 2330078.07388

Y: 2330078.07388



West

Photo Date: 10/15/2008

X: 2330108.76554

Y: 2330108.76554



Sample 3

Photo Date: 10/16/2008

X: 2330019.702

Y: 2330019.702



Sample 13

Photo Date: 10/16/2008

X: 2329965.58578

Y: 2329965.58578



Sample 15

Photo Date: 10/16/2008

X: 2329938.01366

Y: 2329938.01366



Sample 19

Photo Date: 10/16/2008

X: 2329921.86114

Y: 2329921.86114

## Riparian Woodland



Sample 25

Photo Date: 10/16/2008

X: 2330164.86661

Y: 2330164.86661

## Salt Desert Scrubland High Elevation

Monitor Date: 10/15/2008

Observers: N. Weisenbacher, L. Brandt

### VEGETATION

**Reference Area % Cover:** 29.8

**Relative % Cover:** Grasses 39.6% Forbs 1.9% Shrubs 58.6% Trees 0.0%

### 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 scateres across reference area

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

### EROSION

**Erosion Issues:** None

**Additional Comments:**

Salt Desert Scrubland High Elevation

VEGETATION DATA

Percent Cover

Species	Mean	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30
Acceptable Species																															
Achnatherum hymenoides	1.73		6		2	4	2	2		6	2				2																
Agropyron cristatum	5.73	2	2	8	4	6	10	12	8			4	6	10	10	4															
Artemisia tridentata	19.9	18	30	10	42	4	14	16	10	8	18	26	34	28	20	20															
Elymus elymoides	0.13												0		2																
Gutierrezia sarothrae	0.67		0		0	8	0	0	0		2					0															
Opuntia sp.	0.4	0		0	0		0	0							6																
Poa sp.	0.13	2																													
Sphaeralcea coccinea	0.53		2	2	2				2				0	0																	
Unidentifiable grass	0.67					2			2			4				2															
Total Acceptable Cover	29.9	22	40	20	50	24	26	30	22	14	22	34	40	38	40	26															
Undesirable Species																															
Alyssum desertorum	0.13								2																						
Bromus tectorum	5.73		2			6	0	4	4	24	12	18	8	2	2	4															
Total Undesirable Cover	5.87	0	2	0	0	6	0	4	6	24	12	18	8	2	2	4															
Total Vegetative Cover	35.7	22	42	20	50	30	26	34	28	38	34	52	48	40	42	30															
Litter	32.3	34	28	36	24	28	32	34	28	38	22	26	40	30	44	40															
Rock	0																														
standing litter	1.07			6					10																						
Total Cover	69.1	56	70	62	74	58	58	68	66	76	56	78	88	70	86	70															
Bare	30.9	44	30	38	26	42	42	32	34	24	44	22	12	30	14	30															

Relative % Cover		Species List							
Grasses	39.6%	Species		Frequency(%)		Species		Frequency(%)	
Forbs	1.9%	Achnatherum hymenoides		53.33		Agropyron cristatum		86.67	
Shrubs	58.6%	Bromus tectorum		80		Chrysothamnus viscidiflorus		Observed	
Trees	0.0%	Juniperus osteosperma		Observed		Machaeranthera canescens		13.33	
		Psathyrostachys juncea		6.67		Sphaeralcea coccinea		40	
		Species		Frequency(%)		Species		Frequency(%)	
		Alyssum desertorum		6.67		Artemisia tridentata		100	
		Elymus elymoides		13.33		Gutierrezia sarothrae		53.33	
		Opuntia sp.		40		Pascopyrum smithii		6.67	
		Poa sp.		6.67		Unidentifiable grass		26.67	



# Salt Desert Scrubland High Elevation



North

Photo Date: 10/15/2008

X: 2329705.64279

Y: 2329705.64279



East

Photo Date: 10/15/2008

X: 2329675.54154

Y: 2329675.54154

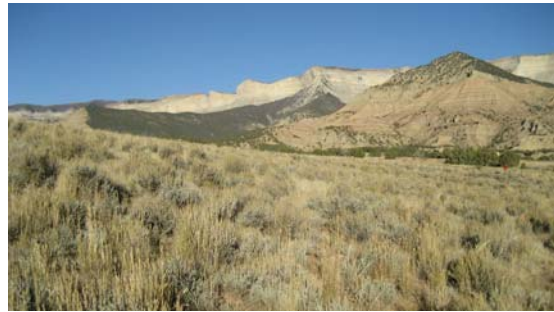


South

Photo Date: 10/15/2008

X: 2329932.2194

Y: 2329932.2194



West

Photo Date: 10/15/2008

X: 2330162.41606

Y: 2330162.41606

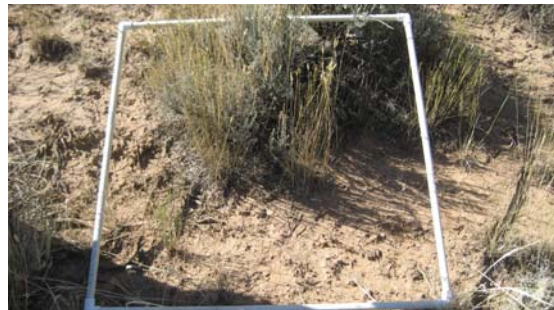


Sample 6

Photo Date: 10/15/2008

X: 2329990.48833

Y: 2329990.48833



Sample 10

Photo Date: 10/15/2008

X: 2330020.02707

Y: 2330020.02707

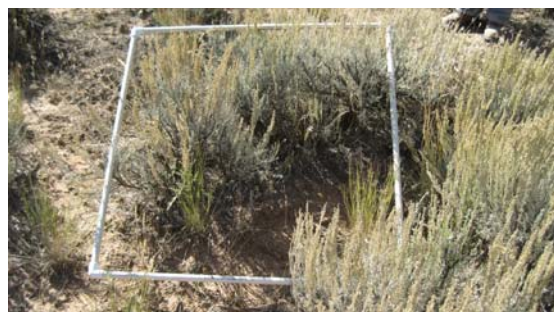


Sample 11

Photo Date: 10/15/2008

X: 2330157.09826

Y: 2330157.09826



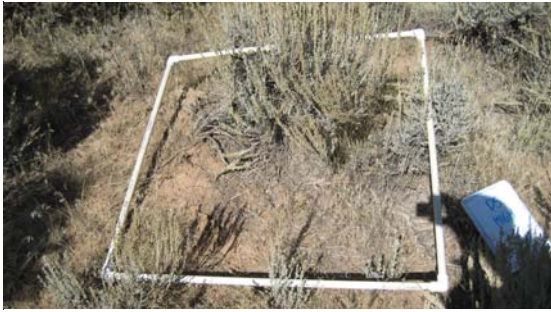
Sample 12

Photo Date: 10/15/2008

X: 2329971.49981

Y: 2329971.49981

## Salt Desert Scrubland High Elevation



Sample 13

Photo Date: 10/15/2008

X: 2330114.80447

Y: 2330114.80447

## Salt Desert Scrubland Low Elevation

Monitor Date: 10/14/2008

Observers: N. Weisenbacher, L. Brandt

### VEGETATION

**Reference Area % Cover:** 25.8

**Relative % Cover:** Grasses 16.5% Forbs 9.4% Shrubs 74.1% Trees 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 and Erodium interspersed across area

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

### EROSION

**Erosion Issues:** None

**Additional Comments:**

Salt Desert Scrubland Low Elevation

VEGETATION DATA

Percent Cover																																
Species	Mean	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	
Acceptable Species																																
Artemisia tridentata	0.73																							22								
Atriplex canescens	0.4					2	0						4			4									2	0		0				
Atriplex confertifolia	3.47	2	2	0	2	0	6	4	8		14	2	4		6		0	12		0			8	2		0	20		0	0	12	
Elymus elymoides	0.13																							4								
Poa sp.	0.27								4			0							2				2						0			
Sarcobatus vermiculatus	15.3	8	10	8	10	34	0	40	20	32	14	22	0		36	0	18	26	12	10	0	8	24	30	28	4	8	32	0	18	8	
Unknown Aster 1	0.13											2											0					2				
Unknown Forb	2.6	0	0		10	4	12			2	8		0	2	0	0	4		6		2	8	0			2	2			14	2	
Unidentifiable grass	1.13	4				0		2		10		2					8								2	2		4				
Unknown Shrub 1	1.6			0				2			14	10	4					4		0	2	0	8	2					0	2		
Total Acceptable Cover	25.8	14	12	8	22	40	18	48	32	44	50	38	8	6	42	0	34	42	20	10	4	16	42	60	32	8	30	36	2	32	24	
Undesirable Species																																
Bromus tectorum	3.2	6				14	2	2	0	4	4	2			0	0	2	2	16		10	0	0	0	2	6	4	4	6	8	2	
Eremopyrum triticeum	0.07																							0						2		
Total Undesirable Cover	3.27	6	0	0	0	14	2	2	0	4	4	2	0	0	0	0	2	2	16	0	10	0	0	0	2	6	4	4	6	10	2	
Total Vegetative Cover	29.1	20	12	8	22	54	20	50	32	48	54	40	8	6	42	0	36	44	36	10	14	16	42	60	34	14	34	40	8	42	26	
Litter	46.7	46	50	58	48	34	52	46	44	30	42	48	32	58	48	64	40	42	42	44	80	70	44	32	42	34	50	36	38	52	56	
Rock	0.53						2			0		4	4				2	0	2					0					2			
standing litter	3.6	8			10		8			12			2				16	12		4					18	16		2				
Total Cover	79.9	74	62	66	80	88	82	96	76	90	96	92	46	64	90	64	94	98	80	58	94	86	86	92	94	64	84	78	48	94		
Bare	20.1	26	38	34	20	12	18	4	24	10	4	8	54	36	10	36	6	2	20	42	6	14	14	8	6	36	16	22	52	6	18	

Relative % Cover		Species List							
Grasses	16.5%								
Forbs	9.4%								
Shrubs	74.1%								
Trees	0.0%								
		Species		Frequency(%)		Species		Frequency(%)	
		Artemisia tridentata		3.33		Atriplex canescens		23.33	
		Calochortus gunnisonii		Observed		Elymus elymoides		3.33	
		Gutierrezia sarothrae		6.67		Hordeum jubatum		Observed	
		Sarcobatus vermiculatus		96.67		Sisymbrium altissimum		3.33	
		Unknown Aster 1		10		Unknown Forb		66.67	
		Unknown Shrub 1		43.33		Yucca harrimaniae		Observed	
		Species		Frequency(%)		Species		Frequency(%)	
		Atriplex confertifolia		73.33		Bromus tectorum		80	
		Erodium cicutarium		Observed		Eremopyrum triticeum		6.67	
		Lactuca serriola		6.67		Opuntia sp.		3.33	
		Sphaeralcea coccinea		3.33		Tragopogon dubius		3.33	
		Poa sp.		16.67		Unidentifiable grass		30	



# Salt Desert Scrubland Low Elevation



North

Photo Date: 10/14/2008

X: 2287272.05254

Y: 2287272.05254



East

Photo Date: 10/14/2008

X: 2287015.43886

Y: 2287015.43886

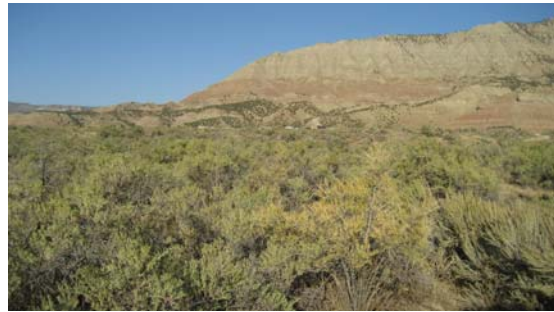


South

Photo Date: 10/14/2008

X: 2287269.78197

Y: 2287269.78197

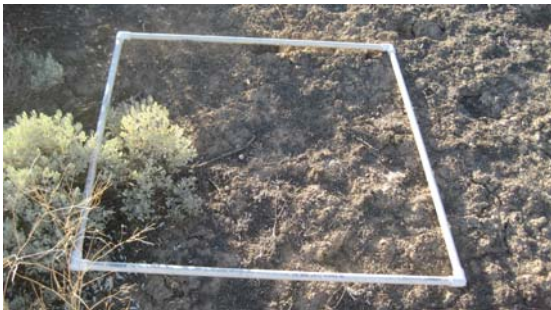


West

Photo Date: 10/14/2008

X: 2287499.09228

Y: 2287499.09228

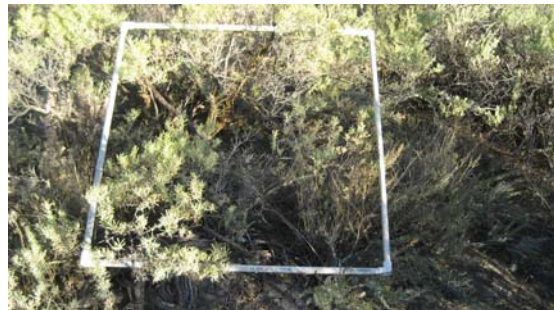


Sample 2

Photo Date: 10/16/2008

X: 2287116.82521

Y: 2287116.82521



Sample 5

Photo Date: 10/16/2008

X: 2287302.82347

Y: 2287302.82347



Sample 11

Photo Date: 10/16/2008

X: 2287035.10987

Y: 2287035.10987



Sample 20

Photo Date: 10/16/2008

X: 2287146.0125

Y: 2287146.0125



## Salt Desert Scrubland Low Elevation



Sample 29

Photo Date: 10/16/2008

X: 2287237.47069

Y: 2287237.47069