

Well ID: PA 22-28

Monitor Date: 7/22/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2006

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 10.67

Reference Area % Cover: 10.2

90% of Reference Area? Yes

Relative % Cover of: Grasses 94.06 Forbs 5.879 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

☒ New Shoots

☐ Litter

Size: Healthy

☒ Flowers / Seeds

☒ Seedlings

Color / Vigor: Healthy

Comments Sparse desirables, shrubs growing nicely. Kochia mostly dominates.

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass interspersed.

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

EROSION

Erosion Issues: Minor On north-northeast portion

BLM RECLAMATION TIMETABLE:

Additional work needed to obtain 90% cover:

% Area in Use: 15

Overseeding to boost grass cover.

% Monitor: 85

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Major Facilities Issues:

Additional Comments:

VEGETATION DATA

Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Elymus lanceolatus	2	8	10	6.67	0	2	4	2
Elymus trachycaulus			4	1.33			2	0.67
Pascopyrum smithii			2	0.67			0	0
Unknown Grass 2	2	0	4	2	0	0	0	0
Total Acceptable Cover	4	8	20	10.67	0	2	6	2.67
Undesirable Species								
Bassia scoparia	0	2	0	0.67	0	2	0	0.67
Total Undesirable Cover	0	2	0	0.67	0	2	0	0.67
Total Vegetative Cover:	4	10	20	11.34	0	4	6	3.34
Litter	6	34	42	27.33	6	38	60	34.67
Rock	22	8	10	13.33	20	10	14	14.67
Standing Litter	4	2	12	6	0	0	0	0
Total Non-Vegetative Cover	32	44	64	46.66	26	48	74	49.34
Total Cover	36	54	84	58	26	52	80	52.68
Bare	64	46	16	42	74	48	20	47.33

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	1	94.06		
Artemisia tridentata	1		5.879	
Atriplex canescens	1			0
Atriplex confertifolia	Observed			
Bassia scoparia	3			
Bromus tectorum	Observed			
Chenopodium album	Observed			
Chrysothamnus viscidiflorus	1			
Elymus lanceolatus	3			
Elymus trachycaulus	1			
Eremopyrum triticeum	Observed			
Lactuca serriola	1			
Lepidium perfoliatum	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	1			
Pseudoroegneria spicata	Observed			
Sarcobatus vermiculatus	Observed			
Thinopyrum ponticum	Observed			
xTriticosecale rimpaii	Observed			
Unknown Atriplex	1			
Unknown Grass 2	3			

Transect	% Slope	Aspect
1	25	W
2	2	SW
3	25	SW

PA 22-28



PA 22-28 North

Photo Date: 7/22/2008

X: 2293102.50393 Y: 1615323.38408



PA 22-28 East

Photo Date: 7/22/2008

X: 2292962.96594 Y: 1615435.97595



PA 22-28 South

Photo Date: 7/22/2008

X: 2293083.25665 Y: 1615553.10057



PA 22-28 West

Photo Date: 7/22/2008

X: 2293193.37044 Y: 1615405.42295



PA 22-28 Sample Point 1

Photo Date: 7/22/2008

X: 2293151.86420 Y: 1615344.62705



PA 22-28 Sample Point 2

Photo Date: 7/22/2008

X: 2293089.52757 Y: 1615471.04667



PA 22-28 Sample Point 3

Photo Date: 7/22/2008

X: 2292999.58741 Y: 1615313.38350

Well ID: PA 22-34

Monitor Date: 7/17/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2002

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 91.29 Forbs 2.174 Shrubs 6.521

Desirable Vegetation

Appears vigorous and self sustaining? Yes

☒ New Shoots

☐ Litter

Size: Healthy, but some small

☒ Flowers / Seeds

☒ Seedlings

Color / Vigor: Healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass, and erodium interspersed. Russian thistle present.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 30

% Acceptable: 60

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Still some large bare patches and weed issues. Weed control and overseeding may help, site looks a bit dry.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA

Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Agropyron cristatum	30	10	10	16.67	14	0	4	6
Bromus inermis		2	4	2		0	4	1.33
Gutierrezia sarothrae			6	2			2	0.67
Pascopyrum smithii		6	4	3.33		2	2	1.33
Total Acceptable Cover	30	18	24	24	14	2	12	9.33
Undesirable Species								
Bromus tectorum	0		18	6	0		2	0.67
Sisymbrium altissimum			2	0.67			2	0.67
Total Undesirable Cover	0		20	6.67	0		4	1.34
Total Vegetative Cover:	30	18	44	30.67	14	2	16	10.67
Litter	40	14	16	23.33	50	30	38	39.33
Rock	0	0	0	0	0	0	0	0
Standing Litter		4		1.33		0		0
Total Non-Vegetative Cover	40	18	16	24.66	50	30	38	39.33
Total Cover	70	36	60	55.33	64	32	54	50
Bare	30	64	40	44.67	36	68	46	50

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Acroptilon repens	Observed	91.29		
Agropyron cristatum	3		2.174	
Artemisia tridentata	Observed			6.521
Bromus inermis	2			
Bromus tectorum	2			
Centaurea sp.	Observed			
Chrysothamnus viscidiflorus	Observed			
Convolvulus arvensis	1			
Erodium cicutarium	Observed			
Gutierrezia sarothrae	1			
Machaeranthera canescens	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	2			
Sisymbrium altissimum	1			
ralcea coccinea ssp. coccinea	Observed			
Thinopyrum intermedium	Observed			
Tragopogon dubius	Observed			

Transect	% Slope	Aspect
1	10	S
2	10	SE
3	10	S/SE

PA 22-34



PA 22-34 North

Photo Date: 7/17/2008

X: 2297717.73142 Y: 1609976.66685



PA 22-34 East

Photo Date: 7/17/2008

X: 2297678.00921 Y: 1610109.94730



PA 22-34 South

Photo Date: 7/17/2008

X: 2297776.76166 Y: 1610245.65028



PA 22-34 West

Photo Date: 7/17/2008

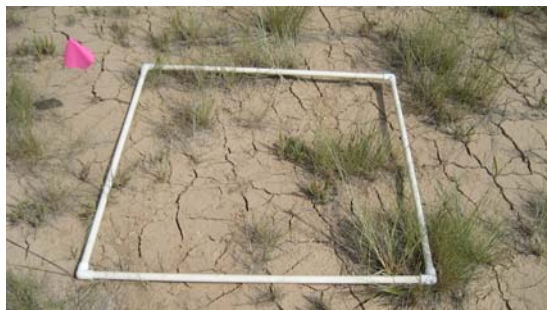
X: 2297877.88083 Y: 1610140.56362



PA 22-34 Sample Point 1

Photo Date: 7/17/2008

X: 2297799.24893 Y: 1610179.83486



PA 22-34 Sample Point 2

Photo Date: 7/17/2008

X: 2297833.97401 Y: 1610038.90304



PA 22-34 Sample Point 3

Photo Date: 7/17/2008

X: 2297709.52297 Y: 1609932.51852

Well ID: PA 22-35

Monitor Date: 7/17/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2006

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 13.34

Reference Area % Cover: 25.8

90% of Reference Area? No

Relative % Cover of: Grasses 13.95 Forbs 86.01 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 Some cheatgrass interspersed.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 30

% Monitor: 70

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Overall site dominated by kochia and bare ground.

Major Facilities Issues: Small condensate tank rusty.

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Pascopyrum smithii	2	6		2.67	0	0		0
xTriticosecale rimpai 1	2			0.67	0			0
Unknown Forb	24	6		10	2	0		0.67
Total Acceptable Cover	28	12		13.34	2	0		0.67
Undesirable Species								
Bassia scoparia			38	12.67			6	2
Eremopyrum triticeum	0	2		0.67	0	0		0
Lepidium perfoliatum	6		0	2	0		0	0
Total Undesirable Cover	6	2	38	15.34	0	0	6	2
Total Vegetative Cover:	34	14	38	28.68	2	0	6	2.67
Litter	22	20	8	16.67	32	26	8	22
Rock	0	0	14	4.67	0	2	18	6.67
Total Non-Vegetative Cover	22	20	22	21.34	32	28	26	28.67
Total Cover	56	34	60	50.02	34	28	32	31.34
Bare	44	66	40	50	66	72	68	68.67

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Bassia scoparia	1	13.95		
Bromus tectorum	Observed		86.01	
Chenopodium album	Observed			0
Chrysothamnus viscidiflorus	Observed			
Eremopyrum triticeum	2			
Halogeton glomeratus	1			
Lepidium perfoliatum	2			
Medicago sativa	Observed			
Pascopyrum smithii	2			
Poa sp.	Observed			
Salsola kali	Observed			
Sarcobatus vermiculatus	Observed			
ralcea coccinea ssp. coccinea	Observed			
Taraxacum officinale	Observed			
xTriticosecale rimpai 1	1			
Unknown Forb	2			

Transect	% Slope	Aspect
1	Flat	(SE)
2	Flat	(SE)
3	Flat	(SE)

PA 22-35



PA 22-35 North

Photo Date: 7/17/2008

X: 2302871.08106 Y: 1609939.66210



PA 22-35 East

Photo Date: 7/17/2008

X: 2302751.17682 Y: 1610149.74870



PA 22-35 South

Photo Date: 7/17/2008

X: 2303017.21780 Y: 1610297.91269



PA 22-35 West

Photo Date: 7/17/2008

X: 2303123.62835 Y: 1610198.33214



PA 22-35 Sample point 1

Photo Date: 7/17/2008

X: 2302808.89745 Y: 1610092.25951



PA 22-35 Sample Point 2

Photo Date: 7/17/2008

X: 2302955.81736 Y: 1610222.09614



PA 22-35 Sample Point 3

Photo Date: 7/17/2008

X: 2303175.68849 Y: 1610172.39486

Well ID: PA 23-26

BLM Land

Monitor Date: 7/17/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Not reclaimed

Approximate Seed Date:

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Reference Area % Cover: 10.2

Desirable Vegetation

Appears vigorous and self sustaining?

☐ New Shoots

☐ Litter

Size:

☐ Flowers / Seeds

☐ Seedlings

Color / Vigor:

Comments

Undesirable Vegetation

Noxious Weeds Present? Halogeton. Russian thistle, kochia present.

Undesirable Species <5% of Total Cover:

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

Additional work needed to obtain 90% cover:

% Area in Use: 100

% Monitor: 0

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Major Facilities Issues:

Additional Comments:

VEGETATION DATA

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

No Data

Species List

PA 23-26



PA 23-26 North

Photo Date: 7/17/2008

X: 2303868.34568

Y: 1614319.31543



PA 23-26 East

Photo Date: 7/17/2008

X: 2303787.08294

Y: 1614434.01111



PA 23-26 South

Photo Date: 7/17/2008

X: 2303940.59129

Y: 1614490.96044



PA 23-26 West

Photo Date: 7/17/2008

X: 2304028.61684

Y: 1614334.71037

Well ID: PA 23-27

BLM Land

Monitor Date: 7/21/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2008

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 3.33

Reference Area % Cover: 10.2

90% of Reference Area? No

Relative % Cover of: Grasses 83.33 Forbs 16.67 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.

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

EROSION

Erosion Issues: Gullying

Erosion photo 1: gullying on west portion of pad looking southwest

BLM RECLAMATION TIMETABLE:

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

Additional work needed to obtain 90% cover:

Site obviously just reclaimed and seeded, watch erosion, berming road should help.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
xTriticosecale rimpai 2	0	8	2	3.33	0	0	2	0.67
Total Acceptable Cover	0	8	2	3.33	0	0	2	0.67
Undesirable Species								
Halogeton glomeratus	2			0.67	0			0
Total Undesirable Cover	2			0.67	0			0
Total Vegetative Cover:	2	8	2	4	0	0	2	0.67
Litter	36	60	60	52	38	68	60	55.33
Rock	8	0	0	2.67	8	0	0	2.67
Total Non-Vegetative Cover	44	60	60	54.67	46	68	60	58
Total Cover	46	68	62	58.67	46	68	62	58.67
Bare	54	32	38	41.33	54	32	38	41.33

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	1	83.33		
Bassia scoparia	1	16.67		
Bromus arvensis	Observed			0
Bromus tectorum	Observed			
Halogeton glomeratus	1			
Pascopyrum smithii	Observed			
xTriticosecale rimpai 2	3			
Unknown Chenopod 2	Observed			

Transect	% Slope	Aspect
1	25	S
2	30	E
3	15	S

PA 23-27



PA 23-27 North

Photo Date: 7/21/2008

X: 2297767.89600

Y: 1613799.80476



PA 23-27 East

Photo Date: 7/21/2008

X: 2297565.48131

Y: 1613978.05050



PA 23-27 South

Photo Date: 7/21/2008

X: 2297773.93442

Y: 1614009.35099



PA 23-27 West

Photo Date: 7/21/2008

X: 2297818.54063

Y: 1613951.73459



PA 23-27 Sample Point 1

Photo Date: 7/21/2008

X: 2297779.65814

Y: 1613983.68505



PA 23-27 Sample Point 2

Photo Date: 7/21/2008

X: 2297594.53127

Y: 1613993.73086



PA 23-27 Sample Point 3

Photo Date: 7/21/2008

X: 2297633.53026

Y: 1613881.00162



PA 23-27 Erosion Picture 1

Photo Date: 7/21/2008

X: 2297597.11494

Y: 1613933.28320

Well ID: PA 23-34

Monitor Date: 7/18/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2007

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 14

Reference Area % Cover: 10.2

90% of Reference Area? Yes

Relative % Cover of: Grasses 82.13 Forbs 17.85 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? No

☐ New Shoots

☐ Litter

Size:

☐ Flowers / Seeds

☐ Seedlings

Color / Vigor:

Comments Has been grazed.

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass, erodium interspersed. Russian thistle present.

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

EROSION

Erosion Issues: Gullying

Erosion photo 1: on north, northeast, and east portion of pad looking southeast Erosion photo 2: same feature as #1

BLM RECLAMATION TIMETABLE:

% Area in Use: 50

% Monitor: 50

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Site is sparsely populated and weeds are present. Shrub regrowth good. Weed control, reseed, and don't allow grazing until good stand established.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Psathyrostachys juncea	0	4	8	4	0	2	6	2.67
Thinopyrum ponticum	0	14	16	10	0	10	12	7.33
Total Acceptable Cover	0	18	24	14	0	12	18	10
Undesirable Species								
Bassia scoparia	2	0		0.67	0	0		0
Eremopyrum triticeum	2	0	2	1.33	0	0	0	0
Halogeton glomeratus	6	2	0	2.67	4	2	0	2
Total Undesirable Cover	10	2	2	4.67	4	2	0	2
Total Vegetative Cover:	10	20	26	18.67	4	14	18	12
Litter	6	12	14	10.67	10	14	20	14.67
Rock	14	8	22	14.67	14	8	22	14.67
Standing Litter	6	4		3.33	0	0		0
Total Non-Vegetative Cover	26	24	36	28.67	24	22	42	29.34
Total Cover	36	44	62	47.34	28	36	60	41.34
Bare	64	56	38	52.67	72	64	40	58.67

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible			
Bassia scoparia	2	Grasses	82.13	
Bromus tectorum	1	Forbs	17.85	
Chrysothamnus viscidiflorus	Observed	Shrubs	0	
Erodium cicutarium	Observed			
Eremopyrum triticeum	3			
Halogeton glomeratus	3			
Lactuca serriola	Observed			
Psathyrostachys juncea	3			
Salsola kali	Observed			
Sarcobatus vermiculatus	3			
Sporobolus airoides	Observed			
Thinopyrum ponticum	3			
Unknown Aster	Observed			

Transect	% Slope	Aspect
1	9	E/SE
2	8	S
3	10	S/SE

PA 23-34



PA 23-34 North

Photo Date: 7/18/2008

X: 2297802.24079 Y: 1608955.43706



PA 23-34 East

Photo Date: 7/18/2008

X: 2297700.80783 Y: 1609183.86004



PA 23-34 South

Photo Date: 7/18/2008

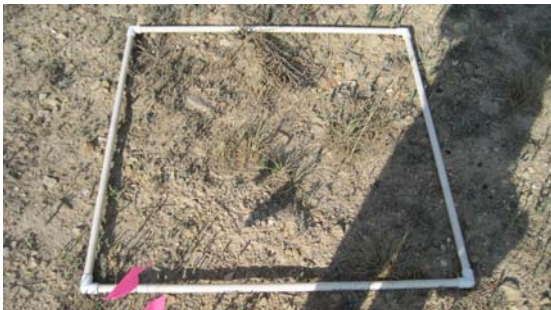
X: 2298022.39185 Y: 1609118.16468



PA 23-34 West

Photo Date: 7/18/2008

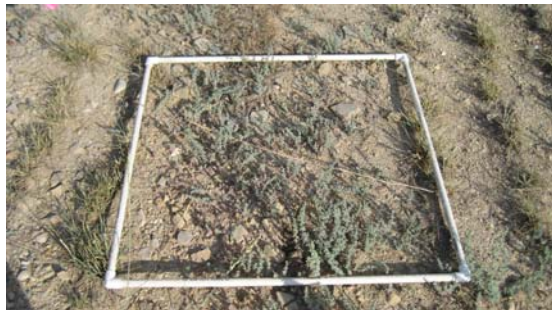
X: 2298092.33482 Y: 1609027.95576



PA 23-34 Sample Point 1

Photo Date: 7/18/2008

X: 2298048.64364 Y: 1608974.25432



PA 23-34 Sample Point 2

Photo Date: 7/18/2008

X: 2298008.68973 Y: 1609110.96734



PA 23-34 Sample Point 3

Photo Date: 7/18/2008

X: 2297809.98713 Y: 1609166.94653



PA 23-34 Erosion Picture 1

Photo Date: 7/18/2008

X: 2298055.43153 Y: 1609106.62049

PA 23-34



PA 23-34 Erosion Picture 2

Photo Date: 7/18/2008

X: 2298043.96018

Y: 1609118.58515

Well ID: PA 24-26

Monitor Date: 7/17/2008

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: 18.67

Reference Area % Cover: 10.2

90% of Reference Area? Yes

Relative % Cover of: Grasses 78.56 Forbs 3.571 Shrubs 17.85

Desirable Vegetation

Appears vigorous and self sustaining? Yes

☒ New Shoots

☐ Litter

Size: Healthy new growth

☒ Flowers / Seeds

☒ Seedlings

Color / Vigor: Healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Some cheatgrass and Russian thistle, but is minor.

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

EROSION

Erosion Issues: Rills >3"

Erosion photo 1: minor rilling (should be watched) northeast portion of pad looking southwest
Erosion photo 2: minor rilling (should be watched) northeast portion of pad looking southwest
larger channel/gully on northwest edge of in use portion looks to be intentionally created

BLM RECLAMATION TIMETABLE:

% Area in Use:	20
% Monitor:	80
% Acceptable:	0
% Reclamation Complete:	0
% Restored:	0

Additional work needed to obtain 90% cover:

Site looks very healthy, monitor erosion and cheatgrass. Some bare areas, but overall is coming along well.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Agropyron cristatum	16	12	2	10	8	8	0	5.33
Atriplex canescens	2	0	8	3.33	0	0	2	0.67
Bromus arvensis	2			0.67	2			0.67
Bromus inermis	4	2	0	2	4	2	0	2
Medicago sativa	2		0	0.67	0		0	0
Pascopyrum smithii	2		4	2	2		4	2
Total Acceptable Cover	28	14	14	18.67	16	10	6	10.67
Total Vegetative Cover:	28	14	14	18.67	16	10	6	10.67
Litter	14	8	2	8	28	10	10	16
Rock	2	4	0	2	2	4	0	2
Standing Litter	6	6	2	4.67	0	0	0	0
Total Non-Vegetative Cover	22	18	4	14.67	30	14	10	18
Total Cover	50	32	18	33.34	46	24	16	28.67
Bare	50	68	82	66.67	54	76	84	71.33

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	78.56		
Agropyron cristatum	3		3.571	
Allium textile	Observed			17.85
Atriplex canescens	3			
Atriplex confertifolia	1			
Bassia scoparia	Observed			
Bromus arvensis	1	1	5	SW
Bromus inermis	3	2	20	N
Bromus tectorum	Observed	3	25	SW
Calochortus gunnisonii	Observed			
Chrysothamnus viscidiflorus	Observed			
Dactylis glomerata	1			
Gutierrezia sarothrae	Observed			
Halogeton glomeratus	Observed			
Lactuca serriola	Observed			
Leymus cinereus	Observed			
Lepidium perfoliatum	Observed			
Melilotus officinalis	Observed			
Medicago sativa	2			
Packera sp.	Observed			
Pascopyrum smithii	2			
Psathyrostachys juncea	Observed			
Ratibida columnifera	Observed			
Sedum sp	Observed			
Tragopogon dubius	Observed			
Unknown Aster 7	Observed			

Unknown Fabaceae 4	Observed
Unknown Forb 10	Observed
Verbena bracteata	Observed

PA 24-26



PA 24-26 North

Photo Date: 7/17/2008

X: 2303820.88435 Y: 1613209.76917



PA 24-26 East

Photo Date: 7/17/2008

X: 2303870.47530 Y: 1613306.39882



PA 24-26 South

Photo Date: 7/17/2008

X: 2304059.71532 Y: 1613312.43086



PA 24-26 West

Photo Date: 7/17/2008

X: 2304092.04124 Y: 1613146.11652



PA 24-26 Sample Point 1

Photo Date: 7/17/2008

X: 2303994.60704 Y: 1613274.85074



PA 24-26 Sample Point 2

Photo Date: 7/17/2008

X: 2303977.82710 Y: 1613095.52494



PA 24-26 Sample Point 3

Photo Date: 7/17/2008

X: 2303836.49155 Y: 1613197.04029



PA 24-26 Erosion Picture 1

Photo Date: 7/17/2008

X: 2304044.18563 Y: 1613337.12554

PA 24-26



PA 24-26 Erosion Picture 2

Photo Date: 7/17/2008

X: 2304052.99801

Y: 1613315.25628

Well ID: PA 24-28

Monitor Date: 7/22/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2005

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 13.33

Reference Area % Cover: 10.2

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 Minor weed cover, scattered and relatively minimal. Cheatgrass

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 25

% Monitor: 75

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Maybe overseed bare/sparse patches.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Psathyrostachys juncea	2	0		0.67	0	0		0
Thinopyrum intermedium	4	14	16	11.33	2	2	8	4
Thinopyrum ponticum	4			1.33	4			1.33
Total Acceptable Cover	10	14	16	13.33	6	2	8	5.33
Total Vegetative Cover:	10	14	16	13.33	6	2	8	5.33
Litter	26	42	4	24	20	46	6	24
Rock	2	2	6	3.33	2	2	6	3.33
Total Non-Vegetative Cover	28	44	10	27.33	22	48	12	27.33
Total Cover	38	58	26	40.66	28	50	20	32.66
Bare	62	42	74	59.33	72	50	80	67.33

Species List

Species	Frequency on Pad # of occurrences out of 3 possible	Relative % Cover		
		Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	100.0		
Alyssum desertorum	Observed		0	
Artemisia tridentata	Observed			0
Atriplex canescens	Observed			
Bassia scoparia	2			
Bromus inermis	Observed			
Bromus tectorum	2			
Camelina rumelica	Observed			
Chrysothamnus viscidiflorus	Observed			
Dactylis glomerata	Observed			
Elymus lanceolatus	Observed			
Eremopyrum triticeum	1			
Gutierrezia sarothrae	Observed			
Halogeton glomeratus	Observed			
Hordeum jubatum	Observed			
Lactuca serriola	Observed			
Lepidium perfoliatum	Observed			
Pascopyrum smithii	1			
Psathyrostachys juncea	2			
Salsola kali	Observed			
Sarcobatus vermiculatus	Observed			
Sisymbrium altissimum	Observed			
Thinopyrum intermedium	3			
Thinopyrum ponticum	1			
Tragopogon dubius	Observed			

Transect	% Slope	Aspect
1	17	SE
2	4	SW
3	17	E/SE

PA 24-28



PA 24-28 North

Photo Date: 7/22/2008

X: 2292679.51707 Y: 1612889.75036



PA 24-28 East

Photo Date: 7/22/2008

X: 2292655.58461 Y: 1613006.32966



PA 24-28 South

Photo Date: 7/22/2008

X: 2292764.02114 Y: 1612804.87611



PA 24-28 West

Photo Date: 7/22/2008

X: 2292832.98041 Y: 1612844.54565



PA 24-28 Sample Point 1

Photo Date: 7/22/2008

X: 2292784.42174 Y: 1612748.11554



PA 24-28 Sample Point 2

Photo Date: 7/22/2008

X: 2292741.74885 Y: 1612934.27080



PA 24-28 Sample Point 3

Photo Date: 7/22/2008

X: 2292606.93500 Y: 1613018.68760

Well ID: PA 24-34

Monitor Date: 7/18/2008

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: 2

Reference Area % Cover: 25.8

90% of Reference Area? No

Relative % Cover of: Grasses 48.38 Forbs 51.60 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? No

☐ New Shoots

☐ Litter

Size:

☐ Flowers / Seeds

☐ Seedlings

Color / Vigor:

Comments Shrub regrowth good.

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass interspersed across site

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 50

% Monitor: 50

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Weed control and overseeding and ripping prior to overseeding, appears pad was not ripped.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Agropyron cristatum	4	0		1.33	0	0		0
Pascopyrum smithii	2	0		0.67	2	0		0.67
Total Acceptable Cover	6	0		2	2	0		0.67
Undesirable Species								
Bassia scoparia		22	10	10.67		4	2	2
Bromus tectorum	6	8		4.67	6	4		3.33
Eremopyrum triticeum		10		3.33		0		0
Total Undesirable Cover	6	40	10	18.67	6	8	2	5.33
Total Vegetative Cover:	12	40	10	20.67	8	8	2	6
Litter	46	34	8	29.33	52	60	10	40.67
Rock	6	8	0	4.67	6	8	0	4.67
Standing Litter		2		0.67		0		0
Total Non-Vegetative Cover	52	44	8	34.67	58	68	10	45.34
Total Cover	64	84	18	55.34	66	76	12	51.34
Bare	36	16	82	44.67	34	24	88	48.67

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	2	48.38		
Atriplex canescens	Observed		51.60	
Atriplex confertifolia	Observed			0
Bassia scoparia	2			
Bromus inermis	1			
Bromus tectorum	2			
Chrysothamnus viscidiflorus	1			
Elymus trachycaulus	1			
Eremopyrum triticeum	1			
Halogeton glomeratus	1			
Lactuca serriola	Observed			
Leymus cinereus	Observed			
Lepidium perfoliatum	1			
Pascopyrum smithii	2			
Sarcobatus vermiculatus	Observed			
Tragopogon dubius	1			
Unknown Shrub 1	Observed			

Transect	% Slope	Aspect
1	Flat	S
2	3	SE
3	6	S

PA 24-34



PA 24-34 North

Photo Date: 7/18/2008

X: 2298351.57127

Y: 1607872.60433



PA 24-34 East

Photo Date: 7/18/2008

X: 2298546.05466

Y: 1607899.78677



PA 24-34 South

Photo Date: 7/18/2008

X: 2298473.70016

Y: 1607981.81246



PA 24-34 West

Photo Date: 7/18/2008

X: 2298609.89568

Y: 1607818.57938



PA 24-34 Sample Point 1

Photo Date: 7/18/2008

X: 2298422.75864

Y: 1607777.89100

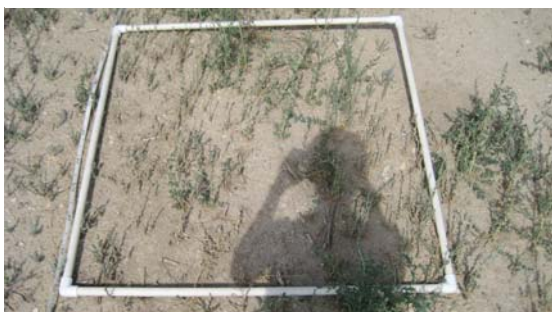


PA 24-34 Sample Point 2

Photo Date: 7/18/2008

X: 2298617.14104

Y: 1607840.89388



PA 24-34 Sample Point 3

Photo Date: 7/18/2008

X: 2298450.58021

Y: 1607942.02908

Well ID: PA 311-34

Monitor Date: 7/21/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2007

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 26.67

Reference Area % Cover: 10.2

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: Healthy

☒ Flowers / Seeds

☐ Seedlings

Color / Vigor: Healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Some cheatgrass and Russian thistle but minor.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 20

% Monitor: 30

% Acceptable: 50

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Overall site has good start/good cover. Some minor weed issues and some sparse areas.

Major Facilities Issues:

Additional Comments: Truck and old frac tank stored on site.

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Pascopyrum smithii		2		0.67		0		0
Psathyrostachys juncea	4	4	14	7.33	2	4	6	4
Thinopyrum intermedium		8		2.67		0		0
Thinopyrum ponticum	24	16	8	16	12	4	6	7.33
Total Acceptable Cover	28	30	22	26.67	14	8	12	11.33
Total Vegetative Cover:	28	30	22	26.67	14	8	12	11.33
Litter	16	8	32	18.67	16	14	40	23.33
Rock	0	0	0	0	0	0	0	0
Standing Litter		4	2	2		0	0	0
Total Non-Vegetative Cover	16	12	34	20.67	16	14	40	23.33
Total Cover	44	42	56	47.34	30	22	52	34.66
Bare	56	58	44	52.67	70	78	48	65.33

Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Achnatherum hymenoides	Observed	Grasses	99.99
Agropyron cristatum	Observed	Forbs	0
Atriplex confertifolia	Observed	Shrubs	0
Bassia scoparia	Observed		
Bromus inermis	Observed		
Bromus tectorum	Observed		
Chrysothamnus viscidiflorus	Observed		
Erodium cicutarium	1		
Gutierrezia sarothrae	Observed		
Helianthus nuttallii	Observed		
Lepidium perfoliatum	Observed		
Pascopyrum smithii	1		
Psathyrostachys juncea	3		
Salsola kali	Observed		
Sarcobatus vermiculatus	Observed		
Sisymbrium altissimum	Observed		
Thinopyrum intermedium	1		
Thinopyrum ponticum	3		
Unknown Chenopod	2		

Transect	% Slope	Aspect
1	10	S/SW
2	18	S/SE
3	8	SW

PA 311-34



PA 311-34 North

Photo Date: 7/21/2008

X: 2297264.48117 Y: 1612145.81863



PA 311-34 East

Photo Date: 7/21/2008

X: 2297117.40384 Y: 1612339.10432



PA 311-34 South

Photo Date: 7/21/2008

X: 2297335.14811 Y: 1612405.06032



PA 311-34 West

Photo Date: 7/21/2008

X: 2297156.95768 Y: 1611952.18621



PA 311-34 Sample Point 1

Photo Date: 7/21/2008

X: 2297316.33071 Y: 1612294.73138



PA 311-34 Sample Point 2

Photo Date: 7/21/2008

X: 2297175.59338 Y: 1612328.78912



PA 311-34 Sample Point 3

Photo Date: 7/21/2008

X: 2297078.95418 Y: 1611971.22495

Well ID: PA 311-5

Monitor Date: 7/24/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Does not appear that site was seeded.

Approximate Seed Date:

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetative % Cover: 0

Reference Area % Cover: 25.8

90% of Reference Area? No

Relative % Cover of: Grasses 0 Forbs 100.0 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? No

☐ New Shoots

☐ Litter

Size:

☐ Flowers / Seeds

☐ Seedlings

Color / Vigor:

Comments Does not appear that site was seeded.

Undesirable Vegetation

Noxious Weeds Present? Yes Site consists mostly of kochia and Russian thistle.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 20

% Monitor: 80

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Does not appear that site was seeded. Seed site.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Undesirable Species								
Bassia scoparia	18	20	38	25.33	0	0	12	4
Helianthus annuus		4		1.33		0		0
Salsola kali	2	12	8	7.33	0	0	0	0
Total Undesirable Cover	20	36	46	33.99	0	0	12	4
Total Vegetative Cover:	20	36	46	33.99	0	0	12	4
Rock	12	2	0	4.67	20	2	0	7.33
Total Non-Vegetative Cover	12	2	0	4.67	20	2	0	7.33
Total Cover	32	38	46	38.66	20	2	12	11.33
Bare	68	62	54	61.33	80	98	88	88.67

Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Agropyron cristatum	Observed	Grasses	0
Bassia scoparia	3	Forbs	100.0
Bromus tectorum	Observed	Shrubs	0
Calochortus gunnisonii	Observed		
Elymus lanceolatus	Observed		
Erodium cicutarium	Observed		
Halogeton glomeratus	1	Transect	% Slope Aspect
Helianthus annuus	1	1	5 E
Leymus cinereus	Observed	2	5 E
Polygonum aviculare	Observed	3	5 E
Salsola kali	3		
Sarcobatus vermiculatus	Observed		
Sisymbrium altissimum	Observed		
Unknown Shrub 1	Observed		

PA 311-5



PA 311-5 North

Photo Date: 7/24/2008

X: 2286661.18028 Y: 1607233.98244



PA 311-5 East

Photo Date: 7/24/2008

X: 2286560.45008 Y: 1607357.46560



PA 311-5 South

Photo Date: 7/24/2008

X: 2286554.39896 Y: 1607349.24467



PA 311-5 West

Photo Date: 7/24/2008

X: 2286626.08698 Y: 1607115.21828



PA 311-5 Sample Point 1

Photo Date: 7/24/2008

X: 2286451.77557 Y: 1607168.58680



PA 311-5 Sample Point 2

Photo Date: 7/24/2008

X: 2286607.77389 Y: 1607336.11117



PA 311-5 Sample Point 3

Photo Date: 7/24/2008

X: 2286843.21657 Y: 1607235.74651

Well ID: PA 313-32

Monitor Date: 7/23/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Newly reclaimed.

Approximate Seed Date: 2002

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 25.33

Reference Area % Cover: 25.8

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: Dry looking/ small

☒ Flowers / Seeds

☒ Seedlings

Color / Vigor: Dry

Comments Dry, cover is consistent density.

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass and erodium interspersed sparsely across site but very little.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 5

% Monitor: 95

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Newly reclaimed. Continue to monitor, overseeding may help to increase 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
Acceptable Species								
Agropyron cristatum	24	22	20	22	8	14	8	10
Bromus inermis	0	2	2	1.33	0	0	2	0.67
Pascopyrum smithii	6	0		2	4	0		1.33
Total Acceptable Cover	30	24	22	25.33	12	14	10	12
Undesirable Species								
Bromus tectorum	6			2	2			0.67
Total Undesirable Cover	6			2	2			0.67
Total Vegetative Cover:	36	24	22	27.33	14	14	10	12.67
Litter	8	30	14	17.33	28	38	18	28
Rock	2	8	18	9.33	2	8	20	10
Standing Litter		2		0.67		0		0
Total Non-Vegetative Cover	10	40	32	27.33	30	46	38	38
Total Cover	46	64	54	54.66	44	60	48	50.67
Bare	54	36	46	45.33	56	40	52	49.33

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	3	100.0		
Atriplex confertifolia	Observed		0	
Bassia scoparia	Observed			0
Bromus arvensis	Observed			
Bromus inermis	3			
Bromus tectorum	1			
Dactylis glomerata	Observed	1	15	E
Elymus lanceolatus	Observed	2	10	E/NE
Erodium cicutarium	Observed	3	Flat	(E/NE)
Gutierrezia sarothrae	1			
Halogeton glomeratus	Observed			
Lactuca serriola	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	2			
Poa sp.	Observed			
Salsola kali	Observed			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	1			
Tragopogon dubius	Observed			
Unknown Thistle	Observed			

PA 313-32



PA 313-32 North

Photo Date: 7/23/2008

X: 2285886.97386

Y: 1609191.83926



PA 313-32 East

Photo Date: 7/23/2008

X: 2285714.85487

Y: 1609326.54900



PA 313-32 South

Photo Date: 7/23/2008

X: 2285930.58905

Y: 1609492.64164



PA 313-32 West

Photo Date: 7/23/2008

X: 2285990.80816

Y: 1609229.26249

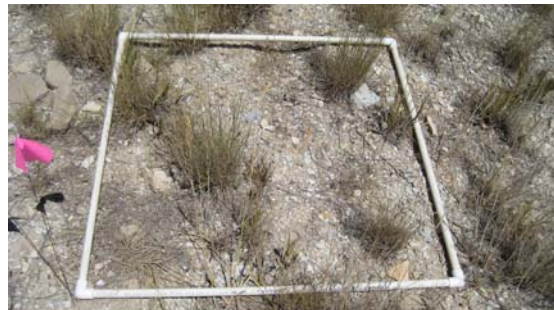


PA 313-32 Sample Point 1

Photo Date: 7/23/2008

X: 2285723.67939

Y: 1609216.13986

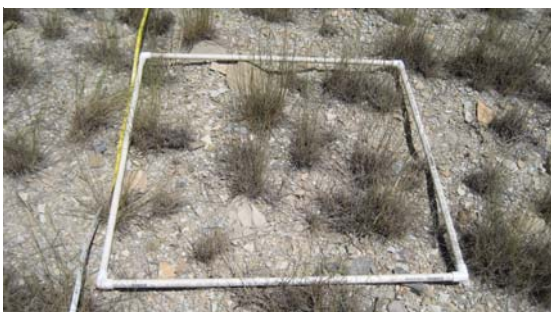


PA 313-32 Sample Point 2

Photo Date: 7/23/2008

X: 2285840.02356

Y: 1609366.21242



PA 313-32 Sample Point 3

Photo Date: 7/23/2008

X: 2286001.71916

Y: 1609335.55090

Well ID: PA 313-33

Monitor Date: 7/23/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2002

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 11.34

Reference Area % Cover: 25.8

90% of Reference Area? No

Relative % Cover of: Grasses 99.96 Forbs 0 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

☒ New Shoots

☐ Litter

Size: Healthy

☒ Flowers / Seeds

☒ Seedlings

Color / Vigor: Healthy

Comments Has been grazed, bare spots, but good start.

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass, erodium present, larger patches of erodium and cheatgrass on north portion of pad.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 90

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Some weed treatment for erodium and cheatgrass could be beneficial, keep eye on desirables.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Agropyron cristatum	2	10	20	10.67	0	6	12	6
Bromus inermis	2		0	0.67	0		0	0
Total Acceptable Cover	4	10	20	11.34	0	6	12	6
Undesirable Species								
Bromus tectorum		12	0	4		2	0	0.67
Total Undesirable Cover		12	0	4		2	0	0.67
Total Vegetative Cover:	4	22	20	15.34	0	8	12	6.67
Litter	0	30	10	13.33	0	38	16	18
Rock	10	4	2	5.33	12	4	2	6
Total Non-Vegetative Cover	10	34	12	18.66	12	42	18	24
Total Cover	14	56	32	34	12	50	30	30.67
Bare	86	44	68	66	88	50	70	69.33

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	3	99.96		
Atriplex confertifolia	Observed		0	
Bassia scoparia	Observed			0
Bromus inermis	2			
Bromus tectorum	2			
Chrysothamnus viscidiflorus	Observed			
Dactylis glomerata	Observed			
Elymus trachycaulus	Observed			
Erodium cicutarium	Observed			
Eremopyrum triticeum	Observed			
Gutierrezia sarothrae	Observed			
Halogeton glomeratus	Observed			
Hordeum jubatum	Observed			
Marrubium vulgare	1			
Pascopyrum smithii	1			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	Observed			

	T1	T2	T3	Mean	% Slope	Aspect
1		6				S
2		14				S/SW
3		5				S

PA 313-33



PA 313-33 North

Photo Date: 7/23/2008

X: 2291326.64533 Y: 1609558.73125



PA 313-33 East

Photo Date: 7/23/2008

X: 2291237.31598 Y: 1609620.96362



PA 313-33 South

Photo Date: 7/23/2008

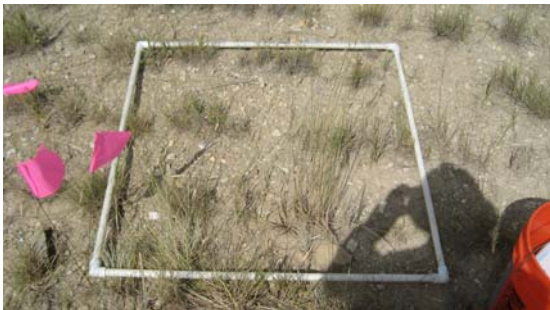
X: 2291415.07183 Y: 1609931.27922



PA 313-33 West

Photo Date: 7/23/2008

X: 2291439.64630 Y: 1609793.44149



PA 313-33 Sample Point 1

Photo Date: 7/23/2008

X: 2291302.79922 Y: 1609601.33932



PA 313-33 Sample Point 2

Photo Date: 7/23/2008

X: 2291326.75387 Y: 1609817.15422



PA 313-33 Sample Point 3

Photo Date: 7/23/2008

X: 2291387.45463 Y: 1609901.04047

Well ID: PA 314-32

Monitor Date: 7/23/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2004

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 30.67

Reference Area % Cover: 25.8

90% of Reference Area? Yes

Relative % Cover of: Grasses 99.99 Forbs 0 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

☒ New Shoots

☒ Litter

Size: Healthy

☒ Flowers / Seeds

☒ Seedlings

Color / Vigor: Healthy

Comments Overall good w/ low weed cover, some sparse areas.

Undesirable Vegetation

Noxious Weeds Present? Yes Some cheatgrass, erodium interspersed sparsely. Russian thistle around in-use area.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 10

% Monitor: 50

% Acceptable: 40

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Continue to monitor, weed cover minimal.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Psathyrostachys juncea		24	30	18		12	18	10
Thinopyrum ponticum	26	12		12.67	8	8		5.33
Total Acceptable Cover	26	36	30	30.67	8	20	18	15.33
Total Vegetative Cover:	26	36	30	30.67	8	20	18	15.33
Litter	18	24	44	28.67	32	36	50	39.33
Rock	2	12	2	5.33	4	14	4	7.33
Standing Litter			2	0.67			0	0
Total Non-Vegetative Cover	20	36	48	34.67	36	50	54	46.66
Total Cover	46	72	78	65.34	44	70	72	61.99
Bare	54	28	22	34.67	56	30	28	38

Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible	Grasses	99.99
Agropyron cristatum	Observed	Forbs	0
Asclepias subverticillata	Observed	Shrubs	0
Bassia scoparia	Observed		
Bromus inermis	Observed		
Bromus tectorum	Observed		
Elymus lanceolatus	Observed		
Erodium cicutarium	Observed		
Gutierrezia sarothrae	Observed		
Lactuca serriola	Observed		
Psathyrostachys juncea	2		
Salsola kali	Observed		
Sarcobatus vermiculatus	1		
Sisymbrium altissimum	Observed		
Thinopyrum ponticum	2		
Tragopogon dubius	Observed		

Transect	% Slope	Aspect
1	Flat	(NE)
2	7	E
3	10	E/NE

PA 314-32



PA 314-32 North

Photo Date: 7/23/2008

X: 2286055.12422 Y: 1608584.46870



PA 314-32 East

Photo Date: 7/23/2008

X: 2286022.40411 Y: 1608803.41914



PA 314-32 South

Photo Date: 7/23/2008

X: 2286128.21513 Y: 1608781.13053



PA 314-32 West

Photo Date: 7/23/2008

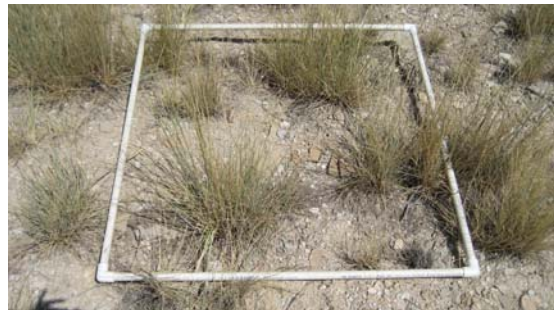
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PA 314-32 Sample Point 1

Photo Date: 7/23/2008

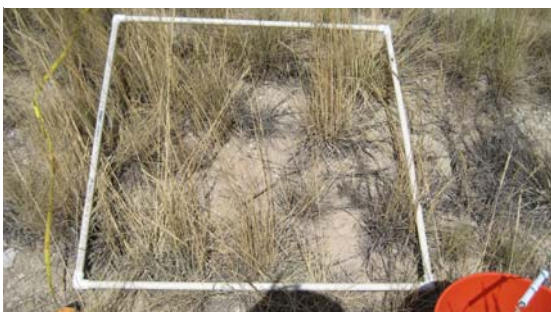
X: 2286070.24235 Y: 1608681.05229



PA 314-32 Sample Point 2

Photo Date: 7/23/2008

X: 2286086.09230 Y: 1608595.89191



PA 314-32 Sample Point 3

Photo Date: 7/23/2008

X: 2286315.46577 Y: 1608717.68761

Well ID: PA 322-34

Monitor Date: 7/17/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2006

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 6.66

Reference Area % Cover: 10.2

90% of Reference Area? No

Relative % Cover of: Grasses 34.22 Forbs 65.8 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 interspersed. Russian thistle across site.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 20

% Monitor: 80

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Weed control recommended and possibly some overseeding.
Bare areas across site. Desirables look healthy but sparse.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Psathyrostachys juncea		2	8	3.33		2	0	0.67
Thinopyrum intermedium	2	0	8	3.33	0	0	2	0.67
Total Acceptable Cover	2	2	16	6.66	0	2	2	1.34
Undesirable Species								
Bromus tectorum	4	2	0	2	2	0	0	0.67
Salsola kali	6	32	10	16	6	4	0	3.33
Sisymbrium altissimum	0	2	0	0.67	0	0	0	0
Total Undesirable Cover	10	36	10	18.67	8	4	0	4
Total Vegetative Cover:	12	38	26	25.33	8	6	2	5.34
Litter	32	26	38	32	32	36	54	40.67
Rock	0	6	0	2	0	8	2	3.33
Standing Litter			4	1.33			0	0
Total Non-Vegetative Cover	32	32	42	35.33	32	44	56	44
Total Cover	44	70	68	60.66	40	50	58	49.34
Bare	56	30	32	39.33	60	50	42	50.67

Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Acroptilon repens	Observed	Grasses	34.22
Agropyron cristatum	Observed	Forbs	65.8
Bromus arvensis	Observed	Shrubs	0
Bromus inermis	Observed		
Bromus tectorum	3		
Elymus trachycaulus	Observed		
Eremopyrum triticeum	Observed		
Gutierrezia sarothrae	Observed		
Lactuca serriola	2		
Lepidium perfoliatum	Observed		
Medicago sativa	Observed		
Psathyrostachys juncea	2		
Salsola kali	3		
Sisymbrium altissimum	3		
Thinopyrum intermedium	3		
Tragopogon dubius	1		
xTriticosecale rimpai	2		

PA 322-34



PA 322-34 North

Photo Date: 7/17/2008

X: 2298320.64889

Y: 1610517.84454



PA 322-34 East

Photo Date: 7/17/2008

X: 2298295.77019

Y: 1610573.71835



PA 322-34 South

Photo Date: 7/17/2008

X: 2298404.14012

Y: 1610760.50351



PA 322-34 West

Photo Date: 7/17/2008

X: 2298498.15475

Y: 1610581.32113



PA 322-34 Sample Point 1

Photo Date: 7/17/2008

X: 2298402.41490

Y: 1610726.33663



PA 322-34 Sample Point 2

Photo Date: 7/17/2008

X: 2298386.77738

Y: 1610456.68785



PA 322-34 Sample Point 3

Photo Date: 7/17/2008

X: 2298287.32059

Y: 1610542.53074

Well ID: PA 32-33

Monitor Date: 7/22/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2007

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 1.33

Reference Area % Cover: 10.2

90% of Reference Area? No

Relative % Cover of: Grasses 5.715 Forbs 94.3 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? No

☐ New Shoots

☐ Litter

Size:

☐ Flowers / Seeds

☐ Seedlings

Color / Vigor:

Comments Very little desirables have germinated.

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass and Russian thistle make up most of cover.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 15

% Monitor: 85

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Has been seeded but very little desirable has germinated.
Monitor and possibly overseed.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
xTriticosecale rimpai 1	0	4	0	1.33	0	2	0	0.67
Total Acceptable Cover	0	4	0	1.33	0	2	0	0.67
Undesirable Species								
Bassia scoparia	6	30	12	16	2	2	0	1.33
Salsola kali	6	2	10	6	2	2	0	1.33
Total Undesirable Cover	12	32	22	22	4	4	0	2.66
Total Vegetative Cover:	12	36	22	23.33	4	6	0	3.33
Litter	30	12	18	20	32	18	32	27.33
Rock	6	0	4	3.33	6	0	4	3.33
Total Non-Vegetative Cover	36	12	22	23.33	38	18	36	30.66
Total Cover	48	48	44	46.66	42	24	36	33.99
Bare	52	52	56	53.33	58	76	64	66

Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible		
Bassia scoparia	3	Grasses	5.715
Bromus tectorum	Observed	Forbs	94.3
Chenopodium album	Observed	Shrubs	0
Convolvulus arvensis	Observed		
Erodium cicutarium	Observed		
Medicago sativa	Observed		
Salsola kali	3	Transect	% Slope Aspect
xTriticosecale rimpai 1	3	1	8 SE
		2	15 S/SW
		3	Flat (SE)

PA 32-33



PA 32-33 North

Photo Date: 7/22/2008

X: 2293747.16195 Y: 1611014.46511



PA 32-33 East

Photo Date: 7/22/2008

X: 2293676.50378 Y: 1611183.77369



PA 32-33 South

Photo Date: 7/22/2008

X: 2293823.75001 Y: 1611213.68713



PA 32-33 West

Photo Date: 7/22/2008

X: 2293995.49776 Y: 1610948.03726



PA 32-33 Sample Point 1

Photo Date: 7/22/2008

X: 2293845.71749 Y: 1610867.81795



PA 32-33 Sample Point 2

Photo Date: 7/22/2008

X: 2293928.94333 Y: 1611023.30631



PA 32-33 Sample Point 3

Photo Date: 7/22/2008

X: 2293753.85593 Y: 1611178.90725

Well ID: PA 323-32

Monitor Date: 7/23/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2004

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 19.33

Reference Area % Cover: 25.8

90% of Reference Area? No

Relative % Cover of: Grasses 100.0 Forbs 0 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

☒ New Shoots

☐ Litter

Size: Healthy

☒ Flowers / Seeds

☒ Seedlings

Color / Vigor: Healthy

Comments Mostly healthy, sparse patches where rye grows.

Undesirable Vegetation

Noxious Weeds Present? Yes Some cheatgrass and erodium interspersed, but not across entire site.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use:	5
% Monitor:	55
% Acceptable:	40
% Reclamation Complete:	0
% Restored:	0

Additional work needed to obtain 90% cover:

Maybe overseed more sparse areas.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA**Vegetation Cover**

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Psathyrostachys juncea	4	4	14	7.33	2	2	10	4.67
Thinopyrum intermedium	10	24	2	12	10	18	0	9.33
Total Acceptable Cover	14	28	16	19.33	12	20	10	14
Total Vegetative Cover:	14	28	16	19.33	12	20	10	14
Litter	10	34	20	21.33	10	42	26	26
Rock	0	2	4	2	0	4	4	2.67
Standing Litter			2	0.67			0	0
Total Non-Vegetative Cover	10	36	26	24	10	46	30	28.67
Total Cover	24	64	42	43.33	22	66	40	42.67
Bare	76	36	58	56.67	78	34	60	57.33

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	1	100.0		
Atriplex canescens	Observed		0	
Atriplex confertifolia	Observed			0
Bassia scoparia	Observed			
Bromus tectorum	Observed			
Elymus lanceolatus	Observed			
Erodium cicutarium	1	1	5	E
Eremopyrum triticeum	Observed	2	8	S
Halogeton glomeratus	1	3	10	S/SE
Psathyrostachys juncea	3			
Sarcobatus vermiculatus	Observed			
Sisymbrium altissimum	Observed			
Thinopyrum intermedium	3			
Tragopogon dubius	Observed			
Unknown Aster	5			

PA 323-32



PA 323-32 North

Photo Date: 7/23/2008

X: 2287694.81697 Y: 1609458.65695



PA 323-32 East

Photo Date: 7/23/2008

X: 2287549.72493 Y: 1609544.87859



PA 323-32 South

Photo Date: 7/23/2008

X: 2287683.02660 Y: 1609764.23702



PA 323-32 West

Photo Date: 7/23/2008

X: 2287871.54975 Y: 1609630.38168



PA 323-32 Sample Point 1

Photo Date: 7/23/2008

X: 2287597.23242 Y: 1609642.88355



PA 323-32 Sample Point 2

Photo Date: 7/23/2008

X: 2287743.41959 Y: 1609672.28850



PA 323-32 Sample Point 3

Photo Date: 7/23/2008

X: 2287728.84319 Y: 1609504.73413