

Well ID: RMV 90-20

Monitor Date: 7/15/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date:

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 23.33

Reference Area % Cover: 25.8

90% of Reference Area? Yes

Relative % Cover of: Grasses 77.28 Forbs 11.36 Shrubs 11.36

Desirable Vegetation

Appears vigorous and self sustaining? Yes

New Shoots

Litter

Size: Some healthy, some stunted

Flowers / Seeds

Seedlings

Color / Vigor: Generally healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass scattered, erodium scattered and in northeast corner and south corner. Scattered kochia.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 80

% Monitor: 5

% Acceptable: 15

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Area that is reclaimed is beginning to look good, some weeds but shrub regrowth is good as is most of desirable grasses. Some bare patches dominated by halogeton. Pad is in middle of several very active facilities.

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	6	14	24	14.67	0	6	12	6	
Atriplex canescens		8	2	3.33		0	0	0	
Bromus inermis			2	0.67			0	0	
Elymus trachycaulus		2	2	1.33		0	2	0.67	
Pascopyrum smithii		4		1.33		2		0.67	
Thinopyrum intermedium		4	2	2		0	2	0.67	
Total Acceptable Cover	6	32	32	23.33	0	8	16	8.01	
Undesirable Species									
Bassia scoparia	4			1.33	0			0	
Bromus tectorum	0	2	6	2.67	0	0	2	0.67	
Erodium cicutarium		4		1.33		0		0	
Lactuca serriola		2		0.67		0		0	
Total Undesirable Cover	4	8	6	6	0	0	2	0.67	
Total Vegetative Cover:	10	40	38	29.33	0	8	18	8.68	
Litter	0	14	28	14	0	14	38	17.33	
Rock	6	8	14	9.33	6	20	18	14.67	
Total Non-Vegetative Cover	6	22	42	23.33	6	34	56	32	
Total Cover	16	62	80	52.66	6	42	74	40.68	
Bare	84	38	20	47.33	94	58	26	59.33	

Species List

Species	Frequency on Pad <small># of occurrences out of 3 possible</small>	Relative % Cover		
		Transect	% Slope	Aspect
Agropyron cristatum	3	Grasses	77.28	
Artemisia tridentata	Observed	Forbs	11.36	
Atriplex canescens	2	Shrubs	11.36	
Atriplex confertifolia	Observed			
Bassia scoparia	1			
Bromus inermis	1			
Bromus tectorum	3	1	Flat	(SE)
Chrysothamnus viscidiflorus	Observed	2	20	SE
Elymus trachycaulus	2	3	15	SW
Erodium cicutarium	1			
Eremopyrum triticeum	Observed			
Halogeton glomeratus	1			
Lactuca serriola	1			
Leymus cinereus	1			
Lepidium perfoliatum	Observed			
Melilotus officinalis	Observed			
Pascopyrum smithii	1			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	2			

RMV 90-20



RMV 90-20 North
Photo Date: 7/15/2008
X: GPS data not available Y:



RMV 90-20 East
Photo Date: 7/15/2008
X: 2318914.08113 Y: 1619150.90612



RMV 90-20 South
Photo Date: 7/15/2008
X: 2318886.86474 Y: 1619384.86632



RMV 90-20 West
Photo Date: 7/15/2008
X: 2318949.34500 Y: 1619416.57632



RMV 90-20 Sample Point 1
Photo Date: 7/15/2008
X: 2319093.96714 Y: 1619224.98127



RMV 90-20 Sample Point 2
Photo Date: 7/15/2008
X: 2318876.61785 Y: 1619392.72619



RMV 90-20 Sample Point 3
Photo Date: 7/15/2008
X: 2318873.87949 Y: 1619312.25141

Well ID: RWF 13-4

Monitor Date: 7/14/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2007

Vegetation Community: Pinon-Juniper Woodland North Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 25.34

Reference Area % Cover: 28.26

90% of Reference Area? No

Relative % Cover of: Grasses 0 Forbs 99.98 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

New Shoots

Litter

Size: Alfalfa smaller but dense, sweet clo

Flowers / Seeds

Seedlings

Color / Vigor: Looks as if spreading

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Musk thistle, plumeless thistle and cheatgrass.

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:

It appears that the site was seeded with alfalfa and sweet clover, lambsquarters is spread extensively over the site. If alfalfa becomes larger next year, most weedy species will probably be shaded out.

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								
Chenopodium album	8	18	4	10	0	0	2	0.67
Melilotus officinalis	2	0	0	0.67	0	0	0	0
Medicago sativa	10	20	14	14.67	4	0	2	2
Total Acceptable Cover	20	38	18	25.34	4	0	4	2.67
Undesirable Species								
Polygonum aviculare	2	4		2	0	0		0
Total Undesirable Cover	2	4		2	0	0		0
Total Vegetative Cover:	22	42	18	27.34	4	0	4	2.67
Litter	8	6	2	5.33	10	8	4	7.33
Rock				0				0
Total Non-Vegetative Cover	8	6	2	5.33	10	8	4	7.33
Total Cover	30	48	20	32.67	14	8	8	10
Bare	70	52	80	67.33	86	92	92	90

Species List

Species	Frequency on Pad <small># of occurrences out of 3 possible</small>	Relative % Cover		
		Grasses	Forbs	Shrubs
Alyssum desertorum	Observed	0		
Bromus inermis	Observed		99.98	
Bromus tectorum	Observed			0
Carduus acanthoides	Observed			
Carduus nutans	Observed			
Camelina rumelica	1			
Chenopodium album	3	1	0	N
Helianthus annuus	1	2	9	N
Lactuca serriola	2	3	13	N/NW
Melilotus officinalis	3			
Medicago sativa	3			
Pascopyrum smithii	Observed			
Polygonum aviculare	2			
Salsola kali	1			
Sisymbrium altissimum	Observed			
Thlaspi arvense	2			
UnknownMustard	3			

RWF 13-4



RWF 13-4 North

Photo Date: 7/14/2008

X: 2319002.93479 Y: 1619218.93627



RWF 13-4 East

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 13-4 South

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 13-4 West

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 13-4 Sample Point 1

Photo Date: 7/14/2008

X: 2320479.43495 Y: 1624165.81603



RWF 13-4 Sample Point 2

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 13-4 Sample Point 3

Photo Date: 7/14/2008

X: 2320285.68447 Y: 1624295.54499

Well ID: RWF 14-4

Monitor Date: 7/14/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2004

Vegetation Community: Pinon-Juniper Woodland North Aspect Pinon-Juniper, Oak Brush, & Irrigated Pasture.

VEGETATION

Total Acceptable Vegetation % Cover: 45.35

Reference Area % Cover: 28.26

90% of Reference Area? Yes

Relative % Cover of: Grasses 53.50 Forbs 46.46 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

New Shoots

Litter

Size: Large

Flowers / Seeds

Seedlings

Color / Vigor: Healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Some plumeless thistle and cheatgrass and bindweed.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 5

% Monitor: 3

% Acceptable: 92

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Overall desirables very healthy and dense; about 3% of pad site has some noxious weed issues, especially plumeless thistle.

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	26		6	10.67	0		4	1.33
Bromus inermis	2	2	4	2.67	0	2	0	0.67
Medicago sativa	26	28	8	20.67	0	4	0	1.33
Pascopyrum smithii	2	4	8	4.67	0	4	2	2
Poa sp.	4	10	6	6.67	0	0	0	0
Total Acceptable Cover	60	44	32	45.35	0	10	6	5.33
Undesirable Species								
Bromus tectorum		2		0.67		0		0
Convolvulus arvensis	4			1.33	0			0
Total Undesirable Cover	4	2		2	0	0		0
Total Vegetative Cover:	64	46	32	47.35	0	10	6	5.33
Litter	34	30	68	44	96	58	92	82
Rock		8		2.67		14		4.67
Standing Litter		2		0.67		0		0
Total Non-Vegetative Cover	34	40	68	47.34	96	72	92	86.67
Total Cover	98	86	100	94.69	96	82	98	92
Bare	2	14	0	5.33	4	18	2	8

Species List

Species	Frequency on Pad # of occurrences out of 3 possible	Relative % Cover		
		Grasses	Forbs	Shrubs
Achnatherum hymenoides	Observed	53.50		
Agropyron cristatum	2	46.46		
Astragalus cicer	Observed	0		
Bromus inermis	3			
Bromus tectorum	1			
Carduus acanthoides	Observed			
Convolvulus arvensis	1			
Elymus lanceolatus	1			
Ericameria nauseosa	Observed			
Grindelia squarrosa	Observed			
Gutierrezia sarothrae	Observed			
Lactuca serriola	Observed			
Medicago sativa	3			
Pascopyrum smithii	3			
Poa sp.	3			
Quercus gambelii	Observed			
Sisymbrium altissimum	Observed			
Tragopogon dubius	Observed			

Transect	% Slope	Aspect
1	10	N
2	22	NE
3	15	NW

RWF 14-4



RWF 14-4 North

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 14-4 East

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 14-4 South

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 14-4 West

Photo Date: 7/14/2008

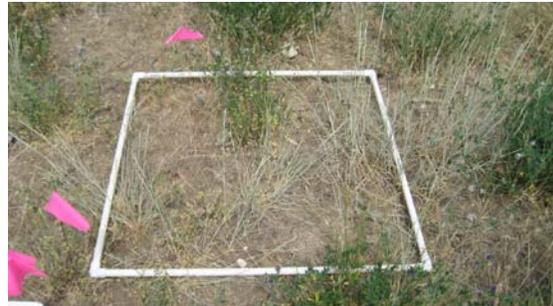
X: 2317915.92013 Y: 1619600.40937



RWF 14-4 Sample Point 1

Photo Date: 7/14/2008

X: 2317988.94953 Y: 1619777.94596



RWF 14-4 Sample Point 2

Photo Date: 7/14/2008

X: 2318076.50613 Y: 1619661.24925



RWF 14-4 Sample Point 3

Photo Date: 7/14/2008

X: 2318022.97187 Y: 1619693.03300

Well ID: RWF 21-28

Monitor Date: 7/15/2008

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: 22.66

Reference Area % Cover: 25.8

90% of Reference Area? No

Relative % Cover of: Grasses 89.74 Forbs 10.26 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

New Shoots

Litter

Size: Healthy in some areas

Flowers / Seeds

Seedlings

Color / Vigor: Healthy in some areas

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Scotch thistle, cheatgrass, and erodium. Russian thistle present.

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:

Site has several noxious weeds, some desirables look good but weeds interspersed and two large patches of rocky bare ground exist.

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	0	4		1.33	0	4		1.33
Pascopyrum smithii	18	8	34	20	8	2	12	7.33
Psathyrostachys juncea		4		1.33		0		0
Total Acceptable Cover	18	16	34	22.66	8	6	12	8.66
Undesirable Species								
Bassia scoparia			2	0.67			2	0.67
Bromus tectorum	0	2		0.67	0	0		0
Halogeton glomeratus		2		0.67		0		0
Salsola kali	2	2		1.33	0	0		0
Total Undesirable Cover	2	6	2	3.34	0	0	2	0.67
Total Vegetative Cover:	20	22	36	26	8	6	14	9.33
Litter	20	18	10	16	30	28	24	27.33
Rock	14	14	4	10.67	16	14	4	11.33
Total Non-Vegetative Cover	34	32	14	26.67	46	42	28	38.66
Total Cover	54	54	50	52.67	54	48	42	47.99
Bare	46	46	50	47.33	46	52	58	52

Species List

Species	Frequency on Pad # of occurrences out of 3 possible	Relative % Cover		
		Grasses	Forbs	Shrubs
Agropyron cristatum	2	89.74		
Artemisia tridentata	Observed	10.26		
Asclepias subverticillata	Observed			
Atriplex canescens	Observed			
Bassia scoparia	1			
Bromus tectorum	2			
Chrysothamnus viscidiflorus	1			
Cirsium arvense	Observed			
Elymus trachycaulus	Observed			
Erodium cicutarium	Observed			
Eremopyrum triticeum	Observed			
Halogeton glomeratus	1			
Lactuca serriola	Observed			
Leymus cinereus	Observed			
Lepidium perfoliatum	Observed			
Melilotus officinalis	Observed			
Onopordum acanthium	Observed			
Pascopyrum smithii	3			
Poa sp.	Observed			
Psathyrostachys juncea	1			
Salsola kali	2			
Sarcobatus vermiculatus	Observed			
Sisymbrium altissimum	Observed			

Transect	% Slope	Aspect
1	15	S
2	4	S
3	1	W

xTriticosecale rimpai 1 Observed

RWF 21-28



RWF 21-28 North

Photo Date: 7/15/2008

X: 2318057.00199 Y: 1619634.90041



RWF 21-28 East

Photo Date: 7/15/2008

X: 2317926.37596 Y: 1619609.35665



RWF 21-28 South

Photo Date: 7/15/2008

X: 2322311.27398 Y: 1602663.21473



RWF 21-28 West

Photo Date: 7/15/2008

X: 2322106.16179 Y: 1602829.38368



RWF 21-28 Sample Point 1

Photo Date: 7/15/2008

X: 2322311.36425 Y: 1602957.52115



RWF 21-28 Sample Point 2

Photo Date: 7/15/2008

X: 2322370.95211 Y: 1602796.44030



RWF 21-28 Sample Point 3

Photo Date: 7/15/2008

X: 2322347.45815 Y: 1602764.18539

Well ID: RWF 24-4

Monitor Date: 7/14/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Not reclaimed

Pad not reclaimed, graded.

Approximate Seed Date:

Vegetation Community: Pinon-Juniper Woodland North Aspect

VEGETATION

Reference Area % Cover: 28.26

Desirable Vegetation

Appears vigorous and self sustaining?

New Shoots

Litter

Size:

Flowers / Seeds

Seedlings

Color / Vigor:

Comments

Undesirable Vegetation

Noxious Weeds Present? Cheatgrass. Thistle by gate may be native. Cirsium calcareom?

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:

RWF 24-4

VEGETATION DATA

Vegetation Cover

First Hit % Cover

Ground Hit % Cover

Species	T1	T2	T3	Mean	T1	T2	T3	Mean
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No Data

Species List

RWF 24-4



RWF 24-4 East

Photo Date: 7/14/2008

X: 2322367.10821 Y: 1602945.90770



RWF 24-4 North

Photo Date: 7/14/2008

X: GPS data not available Y:



RWF 24-4 South

Photo Date: 7/14/2008

X: 2322628.97178 Y: 1601613.96144



RWF 24-4 West

Photo Date: 7/14/2008

X: 2322465.46878 Y: 1601775.51079

Well ID: RWF 313-28

Monitor Date: 7/15/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Difficult to determine extent of pad.

Approximate Seed Date:

Vegetation Community: Pinon-Juniper Woodland North Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 26.67

Reference Area % Cover: 28.26

90% of Reference Area? Yes

Relative % Cover of: Grasses 0 Forbs 99.99 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

New Shoots Litter **Size:** Healthy

Flowers / Seeds Seedlings **Color / Vigor:** Young

Comments This is irrigated alfalfa pasture that was recently hayed.

Undesirable Vegetation

Noxious Weeds Present? Yes Some cheatgrass around wellhead.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 2
% Monitor: 0
% Acceptable: 98
% Reclamation Complete: 0
% Restored: 0

Additional work needed to obtain 90% cover:

This is irrigated alfalfa pasture that was recently hayed. Obviously maintained by the farmer and there is little impact to the field from the well. The access road is a simple 2-track.

Major Facilities Issues:

Additional Comments: This is irrigated alfalfa pasture. Very difficult to determine extent of pad.

VEGETATION DATA

Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover				
	T1	T2	T3	Mean	T1	T2	T3	Mean	
Acceptable Species									
Medicago sativa	4	30	46	26.67	0	14	8	7.33	
Total Acceptable Cover	4	30	46	26.67	0	14	8	7.33	
Undesirable Species									
Convolvulus arvensis		6		2		6		2	
Total Undesirable Cover		6		2		6		2	
Total Vegetative Cover:	4	36	46	28.67	0	20	8	9.33	
Litter	84	58	42	61.33	88	74	76	79.33	
Rock	0	0	2	0.67	0	0	2	0.67	
Total Non-Vegetative Cover	84	58	44	62	88	74	78	80	
Total Cover	88	94	90	90.67	88	94	86	89.33	
Bare	12	6	10	9.33	12	6	14	10.67	

Species List

Species	Frequency on Pad	Relative % Cover	
	<small># of occurrences out of 3 possible</small>	Grasses	Forbs
Bassia scoparia	Observed	0	
Bromus tectorum	Observed		99.99
Convolvulus arvensis	1	Shrubs	0
Medicago sativa	3		
Pascopyrum smithii	Observed		

Transect	% Slope	Aspect
1	10	NW
2	7	NW
3	7	NW

RWF 313-28



RWF 313-28 North

Photo Date: 7/15/2008

X: 2322610.16983 Y: 1601843.16726



RWF 313-28 East

Photo Date: 7/15/2008

X: 2322766.19100 Y: 1601713.75576



RWF 313-28 South

Photo Date: 7/15/2008

X: 2322439.50738 Y: 1601652.36373



RWF 313-28 West

Photo Date: 7/15/2008

X: 2322518.91260 Y: 1601639.80873



RWF 313-28 Sample Point 1

Photo Date: 7/15/2008

X: 2322605.14840 Y: 1601572.50282



RWF 313-28 Sample Point 2

Photo Date: 7/15/2008

X: 2323983.43359 Y: 1616321.09755



RWF 313-28 Sample Point 3

Photo Date: 7/15/2008

X: 2323718.49363 Y: 1616591.67542

Well ID: RWF 314-16

Monitor Date: 7/10/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2003

Vegetation Community: Salt Desert Scrubland High Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 23.33

Reference Area % Cover: 29.8

90% of Reference Area? No

Relative % Cover of: Grasses 91.51 Forbs 8.473 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? Yes

New Shoots

Litter

Size: Healthy

Flowers / Seeds

Seedlings

Color / Vigor: Healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass and erodium interspersed among desirables. One area on east portion mostly erodium and cheatgrass. Some Bindweed and Russian thistle.

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

EROSION

Erosion Issues: Minor

Some rilling on slope directly behind and southwest of smaller/lower condensate tanks.

BLM RECLAMATION TIMETABLE:

% Area in Use: 40

% Monitor: 5

% Acceptable: 55

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Repair erosion to south west of condensate tanks.

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								
Astragalus cicer		0	2	0.67		0	0	0
Elymus trachycaulus	6	6	6	6	2	2	4	2.67
Leymus cinereus		4	0	1.33		2	0	0.67
Pascopyrum smithii	16	6	20	14	4	2	8	4.67
Ratibida columnifera	2	2		1.33	2	0		0.67
Total Acceptable Cover	24	18	28	23.33	8	6	12	8.68
Undesirable Species								
Bromus tectorum	6	8	30	14.67	0	2	0	0.67
Erodium cicutarium	2		0	0.67	0		0	0
Sisymbrium altissimum	0		2	0.67	0		0	0
Total Undesirable Cover	8	8	32	16.01	0	2	0	0.67
Total Vegetative Cover:	32	26	60	39.34	8	8	12	9.35
Litter	46	28	32	35.33	66	44	78	62.67
Rock	12	16	6	11.33	12	20	8	13.33
Standing Litter	2	4		2	0	0		0
Total Non-Vegetative Cover	60	48	38	48.66	78	64	86	76
Total Cover	92	74	98	88	86	72	98	85.35
Bare	8	26	2	12	14	28	2	14.67

Species List

Species	Frequency on Pad # of occurrences out of 3 possible	Relative % Cover		
		Grasses	Forbs	Shrubs
Artemisia tridentata	Observed	91.51		
Astragalus cicer	2	8.473		
Atriplex canescens	Observed	0		
Atriplex confertifolia	Observed			
Bromus tectorum	3			
Chrysothamnus viscidiflorus	Observed			
Convolvulus arvensis	Observed			
Elymus trachycaulus	3			
Erodium cicutarium	2			
Erigeron engelmannii	Observed			
Lactuca serriola	1			
Leymus cinereus	2			
Lepidium perfoliatum	Observed			
Melilotus officinalis	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	3			
Penstemon palmeri	Observed			
Psathyrostachys juncea	3			
Ratibida columnifera	2			
Salsola kali	Observed			
Sisymbrium altissimum	2			

Transect	% Slope	Aspect
1	16	S
2	13	S/SW
3	17	W

Sphaeralcea parvifolia	1
Tragopogon dubius	1

RWF 314-16



RWF 314-16 North
Photo Date: 7/10/2008



RWF 314-16 East
Photo Date: 7/10/2008



RWF 314-16 South
Photo Date: 7/10/2008



RWF 314-16 West
Photo Date: 7/10/2008



RWF 314-16 Sample Point 1
Photo Date: 7/10/2008



RWF 314-16 Sample Point 2
Photo Date: 7/10/2008



RWF 314-16 Sample Point 3
Photo Date: 7/10/2008



RWF 314-16 Erosion Picture 1
Photo Date: 7/10/2008

RWF 314-16



RWF 314-16 Erosion Picture 2

Photo Date: 7/10/2008

Well ID: RWF 314-17

Monitor Date: 7/11/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2001

Vegetation Community: Pinon-Juniper Woodland South Aspect

VEGETATION

Total Acceptable Vegetation % Cover: 6.67

Reference Area % Cover: 10.2

90% of Reference Area? No

Relative % Cover of: Grasses 53.32 Forbs 36.66 Shrubs 9.998

Desirable Vegetation

Appears vigorous and self sustaining? Yes

New Shoots

Litter

Size: Healthy

Flowers / Seeds

Seedlings

Color / Vigor: Healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Erodium and cheatgrass dominate south section of pad. Cheatgrass also interspersed and desirables' density very minimal; also some jointed goat grass on northeast boundary of pad.

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:

Extensive treatment of weed cover and overseeding of desirables.

Major Facilities Issues:

Additional Comments:

VEGETATION DATA

Vegetation Cover

Species	First Hit % Cover				Ground Hit % Cover			
	T1	T2	T3	Mean	T1	T2	T3	Mean
Acceptable Species								
Chrysothamnus viscidiflorus	4		8	4	0		0	0
Pascopyrum smithii	8	0		2.67	4	0		1.33
Total Acceptable Cover	12	0	8	6.67	4	0	0	1.33
Undesirable Species								
Bromus tectorum	8	22	26	18.67	2	10	8	6.67
Erodium cicutarium	18	10	8	12	10	2	2	4.67
Sisymbrium altissimum	2	6	0	2.67	0	0	0	0
Total Undesirable Cover	28	38	34	33.34	12	12	10	11.34
Total Vegetative Cover:	40	38	42	40.01	16	12	10	12.67
Litter	44	54	26	41.33	70	74	40	61.33
Rock	4	0	2	2	2	0	2	1.33
Total Non-Vegetative Cover	48	54	28	43.33	72	74	42	62.66
Total Cover	88	92	70	83.34	88	86	52	75.33
Bare	12	8	30	16.67	12	14	48	24.67

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Aegilops cylindrica	1	53.32		
Ambrosia artemisiifolia	3	36.66		
Artemisia tridentata	1	9.998		
Astragalus cicer	Observed			
Atriplex canescens	Observed			
Bassia scoparia	Observed			
Bromus tectorum	3			
Chenopodium album	Observed			
Chrysothamnus viscidiflorus	2			
Convolvulus arvensis	Observed			
Elymus trachycaulus	Observed			
Erodium cicutarium	3			
Gutierrezia sarothrae	1			
Halogeton glomeratus	Observed			
Lactuca serriola	Observed			
Lepidium perfoliatum	Observed			
Medicago sativa	Observed			
Pascopyrum smithii	2			
Penstemon palmeri	Observed			
Psathyrostachys juncea	Observed			
Pseudoroegneria spicata	1			
Ratibida columnifera	Observed			
Salsola kali	Observed			
Sisymbrium altissimum	3			
Sphaeralcea grossulariifolia	Observed			

Transect	% Slope	Aspect
1	13	SE
2	20	NE
3	Flat	(E)

Taraxacum officinale	Observed
Tragopogon dubius	Observed
Unknown Aster 1	Observed
Verbena bracteata	1

RWF 314-17



RWF 314-17 North
Photo Date: 7/11/2008



RWF 314-17 East
Photo Date: 7/11/2008



RWF 314-17 South
Photo Date: 7/11/2008



RWF 314-17 West
Photo Date: 7/11/2008



RWF 314-17 Sample Point 1
Photo Date: 7/11/2008



RWF 314-17 Sample Point 2
Photo Date: 7/11/2008



RWF 314-17 Sample Point 3
Photo Date: 7/11/2008

Well ID: RWF 331-21

Monitor Date: 7/10/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Not reclaimed

Pad not reclaimed. Graded?- but pit still open.

Approximate Seed Date:

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Reference Area % Cover: 25.8

Desirable Vegetation

Appears vigorous and self sustaining?

New Shoots

Litter

Size:

Flowers / Seeds

Seedlings

Color / Vigor:

Comments

Undesirable Vegetation

Noxious Weeds Present? Erodium, cheatgrass. Russian thistle present.

Undesirable Species <5% of Total Cover:

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

Additional work needed to obtain 90% cover:

% Area in Use: 100

% Monitor: 0

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Major Facilities Issues:

Additional Comments:

RWF 331-21

VEGETATION DATA

Vegetation Cover

First Hit % Cover

Ground Hit % Cover

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

No Data

Species List

RWF 331-21



RWF 331-21 North
Photo Date: 7/10/2008

X: 2325274.72546 Y: 1621211.12359



RWF 331-21 East
Photo Date: 7/10/2008

X: 2325120.42238 Y: 1621372.89493



RWF 331-21 South
Photo Date: 7/10/2008

X: 2325383.60037 Y: 1621581.81808



RWF 331-21 West
Photo Date: 7/10/2008

X: 2325497.64543 Y: 1621292.28152

Well ID: RWF 333-18

Monitor Date: 7/11/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Not reclaimed

Pad not reclaimed or graded.

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? Thistle left of compressor- Unk thistle 2.

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:

RWF 333-18

VEGETATION DATA

Vegetation Cover

First Hit % Cover

Ground Hit % Cover

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

No Data

Species List

RWF 333-18



RWF 333-18 North

Photo Date: 7/11/2008

X: 2314605.88373 Y: 1624729.51414



RWF 333-18 East

Photo Date: 7/11/2008

X: 2314512.36405 Y: 1624803.80366



RWF 333-18 South

Photo Date: 7/11/2008

X: 2314583.99107 Y: 1624920.74051



RWF 333-18 West

Photo Date: 7/11/2008

X: 2314793.34518 Y: 1624787.43165

Well ID: RWF 334-18

Monitor Date: 7/11/2008

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: 17.33

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 although stunted in some a

Flowers / Seeds

Seedlings

Color / Vigor: Mostly healthy

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Some erodium and cheatgrass interspersed, some Russian thistle.

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:

Overall site has good start, west and southwest areas look better and more vigorous than eastern portion; overseeding on east might 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								
Elymus trachycaulus			10	3.33			6	2
Pascopyrum smithii	6	12	12	10	0	2	4	2
Panicum virgatum			4	1.33			2	0.67
Thinopyrum intermedium	8			2.67	4			1.33
Total Acceptable Cover	14	12	26	17.33	4	2	12	6
Total Vegetative Cover:	14	12	26	17.33	4	2	12	6
Litter	0	0	28	9.33	2	0	38	13.33
Rock	28	26	20	24.67	40	36	24	33.33
Standing Litter	4	0	6	3.33	0	0	0	0
Total Non-Vegetative Cover	32	26	54	37.33	42	36	62	46.66
Total Cover	46	38	80	54.66	46	38	74	52.66
Bare	54	62	20	45.33	54	62	26	47.33

Species List

Species	Frequency on Pad <small># of occurrences out of 3 possible</small>	Relative % Cover		
		Transect	% Slope	Aspect
Ambrosia artemisiifolia	Observed	Grasses	100.0	
Atriplex canescens	Observed	Forbs	0	
Atriplex confertifolia	Observed	Shrubs	0	
Bromus inermis	Observed			
Bromus tectorum	Observed			
Chrysothamnus viscidiflorus	Observed			
Elymus trachycaulus	1	1	22	S
Erodium cicutarium	1	2	13	NW
Gutierrezia sarothrae	Observed	3	25	SE
Lactuca serriola	Observed			
Marrubium vulgare	Observed			
Pascopyrum smithii	3			
Panicum virgatum	1			
Penstemon palmeri	Observed			
Psathyrostachys juncea	1			
Salsola kali	1			
Sarcobatus vermiculatus	Observed			
Thinopyrum intermedium	1			
Tragopogon dubius	Observed			
Unknown Thistle	1			

RWF 334-18



RWF 334-18 North

Photo Date: 7/11/2008

X: 2315079.39765 Y: 1623420.81438



RWF 334-18 East

Photo Date: 7/11/2008

X: GPS data not available Y:



RWF 334-18 South

Photo Date: 7/11/2008

X: 2315139.18838 Y: 1623779.93458



RWF 334-18 West

Photo Date: 7/11/2008

X: 2315203.50663 Y: 1623502.29440



RWF 334-18 Sample Point 1

Photo Date: 7/11/2008

X: 2315129.68769 Y: 1623784.09731



RWF 334-18 Sample Point 2

Photo Date: 7/11/2008

X: 2315129.30769 Y: 1623658.59676



RWF 334-18 Sample Point 3

Photo Date: 7/11/2008

X: 2314976.82760 Y: 1623630.45907

Well ID: RWF 334-22

Monitor Date: 7/16/2008
Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date: 2002

Vegetation Community: Riparian Woodland

Riparian woodland.

VEGETATION

Total Acceptable Vegetation % Cover: 6.67

Reference Area % Cover: 18.67

90% of Reference Area? No

Relative % Cover of: Grasses 19.12 Forbs 80.89 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 Russian knapweed of particular concern. Cheatgrass and erodium also interspersed.

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

EROSION

Erosion Issues: None

BLM RECLAMATION TIMETABLE:

% Area in Use: 2

% Monitor: 98

% Acceptable: 0

% Reclamation Complete: 0

% Restored: 0

Additional work needed to obtain 90% cover:

Overall there are very few desirables, weed treatment for entire pad recommended and reseeding following treatment.

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									
Hordeum jubatum	14	0	6	6.67	10	0	6	5.33	
Total Acceptable Cover	14	0	6	6.67	10	0	6	5.33	
Undesirable Species									
Bassia scoparia	14	40	40	31.33	0	10	16	8.67	
Bromus tectorum	4	2		2	0	2		0.67	
Descurainia sophia	0		10	3.33	0		0	0	
Sisymbrium altissimum	0	0	6	2	0	0	0	0	
Total Undesirable Cover	18	42	56	38.66	0	12	16	9.34	
Total Vegetative Cover:	32	42	62	45.33	10	12	22	14.67	
Litter	16	50	32	32.67	40	76	66	60.67	
Rock	0	0	0	0	0	0	0	0	
Total Non-Vegetative Cover	16	50	32	32.67	40	76	66	60.67	
Total Cover	48	92	94	78	50	88	88	75.34	
Bare	52	8	6	22	50	12	12	24.67	

Species List

Species	Frequency on Pad	Relative % Cover	
	# of occurrences out of 3 possible	Grasses	Forbs
Acroptilon repens	1	19.12	
Agropyron cristatum	Observed	80.89	
Bassia scoparia	3		0
Bromus tectorum	2		
Carduus nutans	Observed		
Descurainia sophia	2		
Distichlis spicata	1	1	Flat
Erodium cicutarium	Observed	2	Flat
Hordeum jubatum	3	3	Flat
Lepidium perfoliatum	Observed		
Pascopyrum smithii	1		
Salsola kali	Observed		
Sisymbrium altissimum	3		
Unknown Forb	8		

RWF 334-22



RWF 334-22 North

Photo Date: 7/16/2008

X: 2331330.57114 Y: 1617133.70309



RWF 334-22 East

Photo Date: 7/16/2008

X: 2331229.79389 Y: 1617265.02976



RWF 334-22 South

Photo Date: 7/16/2008

X: 2331366.25107 Y: 1617317.22640



RWF 334-22 West

Photo Date: 7/16/2008

X: 2331406.73241 Y: 1617198.14849



RWF 334-22 Sample Point 1

Photo Date: 7/16/2008

X: 2331427.16122 Y: 1617251.09689



RWF 334-22 Sample Point 2

Photo Date: 7/16/2008

X: 2331275.00187 Y: 1617206.61596



RWF 334-22 Sample Point 3

Photo Date: 7/16/2008

X: 2331273.25530 Y: 1617298.33275

Well ID: RWF 34-14

Monitor Date: 7/10/2008

Observers: N. Weisenbacher

Reclamation Status as of July 2008: Reclaimed

Approximate Seed Date:

Vegetation Community: Salt Desert Scrubland Low Elevation

VEGETATION

Total Acceptable Vegetation % Cover: 12.01

Reference Area % Cover: 25.8

90% of Reference Area? No

Relative % Cover of: Grasses 89.27 Forbs 10.71 Shrubs 0

Desirable Vegetation

Appears vigorous and self sustaining? No

New Shoots

Litter

Size: Mostly stunted and senesced

Flowers / Seeds

Seedlings

Color / Vigor: Dormant, poor growth

Comments

Undesirable Vegetation

Noxious Weeds Present? Yes Cheatgrass and erodium interspersed.

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

EROSION

Erosion Issues: Minor

Small channel with some rilling along edges at south boundary (erosion photo 1) (GPS point unavailable). What appears to be intentionally constructed channel located along eastern portion (erosion photo 2, eastern edge channel) of pad, some minor rilling and gullyng on slope directly northeast of condensate tank (erosion photos condensate area).

BLM RECLAMATION TIMETABLE:

% Area in Use:	40
% Monitor:	60
% Acceptable:	0
% Reclamation Complete:	0
% Restored:	0

Additional work needed to obtain 90% cover:

Compacted soils and poor cover overall, ripping and reseeding recommended, pipeline reclamation eastern to northeastern edge of pad containing different reclamation species.

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								
Hordeum jubatum	0	24		8	0	20		6.67
Pascopyrum smithii		0	2	0.67		0	0	0
Poa sp.	8	0		2.67	4	0		1.33
Unknown Forb	2			0.67	0			0
Total Acceptable Cover	10	24	2	12.01	4	20	0	8
Undesirable Species								
Erodium cicutarium	10	0		3.33	4	0		1.33
Eremopyrum triticeum	20	12	34	22	4	4	10	6
Total Undesirable Cover	30	12	34	25.33	8	4	10	7.33
Total Vegetative Cover:	40	36	36	37.34	12	24	10	15.33
Litter	54	54	14	40.67	80	62	30	57.33
Rock		0		0		2		0.67
Standing Litter		0		0		2		0.67
Total Non-Vegetative Cover	54	54	14	40.67	80	66	30	58.67
Total Cover	94	90	50	78.01	92	90	40	74
Bare	6	10	50	22	8	10	60	26

Species List

Species	Frequency on Pad	Relative % Cover		
	# of occurrences out of 3 possible	Grasses	Forbs	Shrubs
Agropyron cristatum	2	89.27		
Ambrosia artemisiifolia	1		10.71	
Artemisia tridentata	1			0
Atriplex canescens	2			
Atriplex confertifolia	Observed			
Bassia scoparia	1			
Bromus tectorum	3			
Chrysothamnus viscidiflorus	Observed			
Erodium cicutarium	2			
Eremopyrum triticeum	3			
Halogeton glomeratus	1			
Hordeum jubatum	2			
Juniperus osteosperma	Observed			
Lepidium perfoliatum	1			
Melilotus officinalis	Observed			
Opuntia sp.	1			
Pascopyrum smithii	2			
Poa sp.	2			
Psathyrostachys juncea	Observed			
Sarcobatus vermiculatus	1			
Unknown Forb	1			

Transect	% Slope	Aspect
1	Flat	Flat
2	Flat	Flat
3	Flat	Flat

RWF 34-14



RWF 34-14 North

Photo Date: 7/10/2008

X: 2336019.52332 Y: 1622949.98453



RWF 34-14 East

Photo Date: 7/10/2008

X: 2336044.65988 Y: 1623276.38830



RWF 34-14 South

Photo Date: 7/10/2008

X: 2336362.51354 Y: 1623391.06343



RWF 34-14 West

Photo Date: 7/10/2008

X: 2336567.91988 Y: 1623255.03720



RWF 34-14 Sample Point 1

Photo Date: 7/10/2008

X: 2336102.71889 Y: 1623083.02704



RWF 34-14 Sample Point 2

Photo Date: 7/10/2008

X: 2336262.03372 Y: 1623058.77097



RWF 34-14 Sample Point 3

Photo Date: 7/10/2008

X: 2336312.14100 Y: 1623162.58816



RWF 34-14 Erosion Picture 1

Photo Date: 7/10/2008

X: GPS data not available Y:

RWF 34-14



RWF 34-14 Erosion Picture 2

Photo Date: 7/10/2008

X: 2336127.81575 Y: 1623108.91085



RWF 34-14 Erosion Picture 3

Photo Date: 7/10/2008

X: 2336331.87039 Y: 1623334.00455