20160330 TRW

MASTER LIST OF RESTORATION PROJECTS AT RMANWR (Prepared by T Wright, Rangeland Mgmt Specialist)

PROJECT	SECTION	NAME	COMMENTS
1	7,8 more	Wetlands Construction	
2	NW 31	Construction of Prairie Dog Barrier Along the	FY91 (Operational
		NW and W Borders of Section 36	Assistance)
2B	36	Badger Proofing of Prairie Dog Barrier	
3	31	Visitor's Center and Shrub Establishment	
3B	WC 2	Revegetation in WC Section 2 / Prairie	FY93
		Demonstration Plots	
4A	EC 5	Landscaping and Revegetation at Eagle	Evaluation only
		Watch, Study and Recommendations Plan	FY91
4B, Phase 1	EC 5	Landscaping, Revegetation and Construction	FY91
		at the Eagle Watch / Concrete Path	
		Renovation	
4B, Phase 2	EC5	Landscaping, Revegetation and Construction	FY92
		at the Eagle Watch/ Parking Lot Renovation	
4B, Phase 3	EC5	Landscaping, Revegetation and Construction	FY92
		at the Eagle Watch / Renovation of the	
		Viewing Blind	
4B, Phase 4	EC5	Revegetation at the Eagle Watch / Shrub	FY93
		Plantings	
5	34	Enhancement of Wildlife Habitat in Section	FY92
		34 / Irrigated Tree and Shrub Plantings,	
		Guzzler Installation	
5B	34	Revegetation of the Barracks Area in Section	FY93
		34	
6	Many	Construction of Prairie Dog Barriers along	Plan never
		the W Border of the Arsenal	approved or
			implemented
7		Mitigation for the Loss of Trees Due to	Plan never
		Renovation of Lower Derby Dam	approved or
			implemented
8		Mitigation for Loss of Trees Due to RMA	Plan never
		Fence Construction	approved or
			implemented
9		Mitigation for Fence Construction along C	Plan never
		Street Between VC and South Gate	approved or
			implemented
10		Removal of Unnecessary Roads	Plan never
			approved or
			implemented

PROJECT	SECTION	NAME	COMMENTS
11	7, 8	Road Revegetation From Wetland Erosion	
12		Combined with Projects 27B and 27	REFER TO PROJECT 27B_12
13		Combined with Projects 27B and 27	REFER TO PROJECT 27B_13
14		Combined with Projects 27B and 27	REFER TO PROJECT 27B_14
15		Combined with Projects 27B and 27	REFER TO PROJECT 27B_15
16		Combined with Projects 27B and 27	REFER TO PROJECT 27B_16
17		Combined with Projects 27B and 27	REFER TO PROJECT 27B_17
18	4	Combined with Project S04_F62 (Construction of a Fence Around Sand Bluestem Area in Section 4)	REFER TO PROJECT F62_18
19	NW2	Enhancement of Wildlife Habitat in NW Corner of Section 2 / Cottonwood Plantings, Fencing and Irrigation	FY91
19B	NW2	Enhancement of Wildlife Habitat in NW Corner of Section 2 / Irrigation and Fencing of Pinyon Pines	FY92
19C	NW2	Restoration and Diversification of Wildlife Habitat in NW Corner of Section 2: Irrigation and Fencing of Shrubs and Trees	FY93
20	36 and Boundary Systems	Establishment of Vegetative Barriers / Crested Wheatgrass	FY91 (Operational Assistance)
20B	36	Establishment of Vegetative and Visual Barriers in Section 36	FY93 (Operational Assistance)
20C	26	Vegetation Barriers around SQI Facility – Operational Assistance	
20D	N Boundary Containment System	Fertilizing and Seeding Vegetative Barriers in Groundwater Contaminant Systems	FY94 (Operational Assistance)
20E	SE26, NE35	Vegetative Barrier Plantings, Basin A Neck / Crested Wheatgrass	FY94 (Operational Assistance)
21	SE22	Revegetation of SE Section 22 in RMANWR	FY95
22	SW5	Establishment of Needle and Thread Hay as a Seed Source (Mow, bale, spread seed in 2 ac)	FY91
23	23	Burn Site Restoration in SC Section 23 or RMANWR	Plan dropped
23A	23	Amendment A: Burn Site Restoration in SC Section 23	Plan dropped

PROJECT	SECTION	NAME	COMMENTS
24	27	Auguring of Artificial Prairie Dog Burrows in Section 27	FY91 (Operational Assistance)
25	Near N and S Plants	Construction and Installation of Barn Owl Nest Boxes	FY92
26	4, 20, 27, 29	Construction and Installation of Wildlife Guzzlers	FY92
27	SE5, NW8, NE7	Habitat Restoration for the Bald Eagle Management Area (BEMA)	FY92-was simply a 1-year plan for all BEMA sites, followed by 27B
27B_27	SE5, NW8, NE7	Habitat Restoration for the Bald Eagle Management Area – BEMA 1C	FY93
27B_27	2	Habitat Restoration for Bald Eagle Management Area – Ladora Test Plots	FY91, FY93
27B_12	SE5, NE8	Habitat Restoration for Bald Eagle Management Area – BEMA 1A, BEMA 1B, Sand Prairie	FY91, FY93
27B_13	W5	Habitat Restoration for Bald Eagle Management Area – BEMA 2, Jackrabbit Plot	FY91, FY93
	31	BEMA 3?	
27B_14	C31	Habitat Restoration for Bald Eagle Management Area – BEMA 4A, BEMA 4B, BEMA 4C, Tallgrass Prairie	FY91, FY93
27B_15	W30	Habitat Restoration for Bald Eagle Management Area – BEMA 5A, BEMA 5B, BEMA 5C, Mixed Grass Prairie	FY91, FY93
27B_16	NC30	Habitat Restoration for Bald Eagle Management Area – BEMA 6E, BEMA 6W, Western Wheatgrass	FY91, FY93
27B_17	WC19	Habitat Restoration for Bald Eagle Management Area – BEMA 7A, BEMA 7B, Mixed Grass Prairie	FY91, FY93
28	35	Rattlesnake Hill Remnant Area	
29(A)	SE29	Revegetation of Crested Wheatgrass Area in Section 29	FY93
29B	NE29	Revegetation of Crested Wheatgrass Area in NW Secton 29	FY97
29-04	29	Revegetation of Crested Wheatgrass Area in NE Corner of Section 29	FY04
30	12	Restoration of Firing Range in Section 12	Incorporated into Project 55? (FJK) FY93
31	SW12	Restoration of Army Reserve Equipment Parking Area	FY93

PROJECT	SECTION	NAME	COMMENTS
32	5	Protection of Communal Eagle Roost at First	FY92
		Creek	
33	C5	Cottonwood Tree Planting in SE RMANWR	FY93
34	5, 8, 19, 30,	Shrub Plantings in Eastern Rocky Mountain	FY93
	29, 32	Arsenal National Wildlife Area	7770.0
35, Phase 1	First Creek	Scope of Work for Re-Design of First Creek, Phase 1	FY93
36	SW3	Colorado State University Seeding Research Project	
37			No project assigned this number
38	2	Denver Botanic Gardens/Shell Cooperative	Not a mitigation
		Agreement – Maintenance on Visitor Center Prairie Demonstration Plots	plan
39			No project assigned this number
40			No project assigned this number
40A	11,19	Closure and Revegetation of Roads in Sections 11 and 19 (Two-tracks)	FY93
40B	SW2	Road Closure and Revegetation in SW2:	FY94
100	3 7 7 2	Ladora Road (Turned into hiking trail)	1174
41	3, 4, 10, 34	Revegetation on Small Disturbed Sites on RMANWR (includes BA 4A)	FY96
41B	2	Revegetation on Small Disturbed Sites on RMANWR / Army Swimming Pool Native Sod by old Visitor's Center (Contact Station)	FY97
41C	7	Revegetation on Small Disturbed Sites on RMANWR /Wetlands 3 and 4 Road Revegetation	FY98
41D	19	Revegetation on Small Disturbed Sites on RMANWR / Pistol Range	
41-03	35	Restoration of the Building 111 and 112 Lawns	FY2003
41-04	SW20	Re-do area of Project 69 (Failed)	FY2004
41-04	SW19	Restoration of First Creek reach and E Street	
41-04	SE24	Restoration of First Creek reach and E Street	
41-06	2	Revegetation of Contaminated Soils from Sand Creek Lateral, Partial Re-do of Project 82	
41-06	3	Restoration of Railroad Ballast Removal and Pieces of Haul Road	
41-06_R01	2	Re-do Portion of Project 41-06	
42	12,22,24,29,	Revegetation in Denver Museum of Natural	FY93

PROJECT	SECTION	NAME	COMMENTS
	34	History (DMNH) Study Plots	
43	SE34	Revegetation and Establishment of Blue	FY96
		Grama Seed Propagation Area at the Former	
		Ballfield, SE Section 34	
43-02	SE34	Re-do of Project 43: Revegetation and	FY2002
		Establishment of Blue Grama Seed	
		Propagation Area at the Former Ballfield, SE	
		Section 34	
44	SW3	Revegetation in SW Section 3	FY97
45	22,23,33,28	Shrub Plantings in Boundary Containment	
		Systems	
46			
47	1,2,6,11,12	Shrub Plantings in the Bald Eagle	FY93 (Operational
		Management Area (BEMA)	Assistance)
48		Raptor Electrocution	
49	SW2	Revegetation of Crested Wheatgrass in SW	FY98
		Corner of Section 2	
49A	SW2	Amendment A: Revegetation of Crested	
		Wheatgrass in SW Corner of Section 2	
50	Multiple	Mitigation Assistance - Maintenance Work	
		on Multiple Projects	
50B		Mitigation Assistance – Vegetation	
		Establishment	
51A		Revegetation Continuation Projects, 1997	Operational
			Assistance
51B		Revegetation Continuation, Maintenance,	Operational
		and Monitoring Projects, 1998	Assistance
51C		Revegetation Continuation, Maintenance and	
		Monitoring Projects, 1999	
51D			
52	SE20	Revegetation of Crested Wheatgrass in SE	FY96
		Section 20	
52-04	20	Re-do of Portion of Project 52 / Revegetation	FY2004
		of Crested Wheatgrass in SE Section 20	
53	WC02	Revegetation of Ladora Lake Dam Repair and	1998
	1	Spillway Renovation	
53A	WC02	Amendment A: Revegetation of Ladora Lake	1998
		Dam Repair and Spillway Renovation	
54	EC12	Revegetation of East-Central Section 12	1999
		(Crested Wheatgrass)	
54-04	NE12	Restoration of Crested Wheatgrass in Section	2004
		12	
55	1,3,12	Revegetation of Miscellaneous Southern Tier	1999
		Soils in Sections 1,3 and 12	

PROJECT	SECTION	NAME	COMMENTS
56	4	Revegetation of Crested Wheatgrass Areas in Central Section 4	2000
56B	4	Revegetation of Remediated Sites and Crested Wheatgrass Areas in NC, NE, EC and SE Section 4	2001
56F17	NE4	Restoration of Crested Wheatgrass Area Within Project 56	
57	NW34	Revegetation of Crested Wheatgrass Area in Northwestern Section 34	1997
57-R01	NW34	Restoration of Former Prairie Dog Occupied Area in Project 57	
57_R02	C34	Restoration of Former Prairie Dog Occupied Area in Project 57	
57B	NE34	Revegetation of Crested Wheatgrass Area in NE Section 34	1998
57C	S ½ 34	Revegetation of Crested Wheatgrass Area in S Half of Section 34	2000
57C_R01	SE34	Restoration of Former Prairie Dog Occupied Area in Project 57C	
58	5	Restoration of Russian Knapweed Areas in RMANWR	1994
59	NW11	Revegatation of Crested Wheatgrass in NW Section 11	2000
60	SE8	Restoration of Native Plant Communities in SE Sec 8 (Mowing project, no seeding)	1999
61A, 61-01, 61- 06	Refuge-wide	Integrated Weed Management at RMANWR (Non-project specific—blue folders only)	2000, 2001, 2006
62	NE5, E32	Overseeding Vacant Black-Tailed Prairie Dog Colonies in NE Section 5 and E Section 32	1995 (Included Amendments A and B) Failed
63 (63N and 63S)	3	Revegetation of NE and SE Section 3 of RMANWR (Broken into 63N and 63S)	1996 (Includes Amendment A)
63B	SE3, NE3	Revegetation of Crested Wheatgrass Area in SW and NE Section 3	1997 (Broken up into 63N and 63S)
64	SW34	Shrub Seedings in SW Section 34	2000
65	EC12	Ducks Unlimited Wetland Creation in EC Section 12	1999
66	6	Revegetation of Remediated Areas in EC, SC, SE Section 6	2001
66_R01	6	Restoration of a Portion of Project 66 From Prairie Dog Damage	
66F09	6	Re-do of Southern Portion of Project 66	
67A	NE7	Revegetation of Crested Wheatgrass NE Section 7 at RMANWR	1995

PROJECT	SECTION	NAME	COMMENTS
67A_R01	NE7	Re-do Portion 1 of Project 67A	
67B	E7	Revegetation of Crested Wheatgrass E	1997
		Section 7	
67C	SC7	Revegetation of Crested Wheatgrass SC	1995
		Section 7	
68	NW8	Revegetation of Crested Wheatgrass NW Section 8	2002
69	19,20,29,30	Revegetation of Munitions Testing Soil	2001
0)	17,20,27,00	Remediation Sites and Black-tailed Prairie	2001
		Dog Sites in SE Section 19, SW Section 20,	
		NW Section 29, and NE Section 30 / "Four	
		Corners"	
70	2,12,30,34,	Restoration of Miscellaneous Structure Sites	2000, 2001
	35	in Sections 2, 12, 30, 34, and 35	
71	24	Revegetation of Crested Wheatgrass in N	2002
		Section 24	
71F21	24	Re-do of the E-W Arm of Project 71	
72	32	Restoration of Burial Trenches, Soil	2001
		Remediation Sites, and Black-tailed Prairie	
72504	22	Dog Habitat in Section 32	
72F04	32	Partial re-do of Project 72	2001
73 74	33	Restoration of Borrow Site 1, SC Section 3	2001
74	33	Revegetation of Crested Wheatgrass Areas in SE Section 33	2002
75F03	24	Revegetation at North Boundary	Failed
		Containment System and North Bog	
76	26	Revegetation of Remedy Area in SE and SC	
		Section 26	
77			
79	6	Restoration of Native Plant Communities and	
70 D01		Revegetation of Borrow Area 11	
79_R01	6	Partial re-do of Project 79	
79-04	6	Revegetation of 600 Series Building Foundations and old RR Bed in NC Section 6	
80	5	Revegetation of Crested Wheatgrass and	Work started but
00	3	Smooth Brome in W Section 5	eventually split into
		Sillouti Broille iii w Section 5	80F01 and 80F08
80F01	5	Revegetation of Crested Wheatgrass and	
		Weedy Grasses and Forbs in NW Section 5	
80F08	5	Revegetation of Weedy Grasses and Forbs in	
		S Section 5	
81A	1	Restoration of Remedy Area in Section 1	
81B	1	Restoration of Borrow Area 11 and Sanitary Landfill	

PROJECT	SECTION	NAME	COMMENTS
81E	1	Restoration of Remedy Area in Section 1	
82	2	Restoration of Crested Wheatgrass Area NW	
		Section 2	
83	2	Restoration of Remedy Area in Central	
		Section 2	
84	6	Restoration of Kentucky bluegrass and	
		weedy forbs in upper Upper Derby lakebed	
84B	8	Restoration of Weedy Forbs and Grasses	
84B_R01	8	Partial re-do of Project 84	
84B_R02	8	Partial re-do of Project 84	
84B_R03	8	Partial re-do of Project 84	
85	E25, SW30	Restoration of Borrow Area in E Section 25	
		and SW Section 30	
85F24	30	Re-do of Project 85 in SW Section 30	
86	35	Revegetation of Cheatgrass Area in the West	Project failed, split
		Half of Section 35	into 3 new Projects:
			R01, R02, R03
86_R01	35	Re-do of the Southern Third of Project 86	
86_R02	35	Re-do of the Middle Third of Project 86	
86_R03	35	Re-do of the Northern Third of Project 86	
87AF12	SE30	Restoration of Munitions Remediation	
		(DREZ) in SE Section 30	
87AF12_R01	SE30	Re-do Portion of Project 87AF12	
87AF23	SE29, NW32	Restoration of Munitions Remediation SE29	
87AF23	32	Restoration of Munitions Remediation	
		(DREZ) in NW Section 32	
87BF13E	N30	Restoration of Munitions Remediation	
		(DREZ) in N Section 30	
87BF13E_R01	C30	Re-do portion of Project 87BF13E	
87BF13W	NW and	Restoration of Cheatgrass and Weedy Forbs	
	W30		
88	SW and W7	Revegetation of Weedy Forbs and Grasses,	
		SW and W Section 7	
89	SE8		Cannot find
90	E11	Restoration of Weedy Forbs and Grasses, E	Subdivided into
		Section 11	90N and 90S
90F02	SE11	Re-do portion of Project 90	
91A	NW12	Restoration of Crested Wheatgrass in NW	
		Section 12	
91B	SE12	Restoration of Weedy Forbs and Grasses, SE	
		Section 12	
92			Refer to F27A, B
			and C

PROJECT	SECTION	NAME	COMMENTS
93			
96	SC30	Restoration of Existing Sanitary Landfill	
97	SW31	Restoration of Borrow Area 9C /'Rock	
		Garden'	
97_R01	SW31	Re-do portion of Project 97	Rehab prairie dog
			damage
97-07	WC31	Restoration of Weedy Forbs and Grasses	
98	SC25	Revegetation of Borrow Area 7A in SC	
		Section 25	
98_R01	SC25	Re-do of the E half of Project 98	
99F05	NC6	Restoration of Crested Wheatgrass Area NC	
		Section 6	
99F56	NE6, NW5	Restoration of Cheatgrass and Weedy Forbs	Has 2 site histories
		Near the Eagle Roost	one for each section
F PROJECTS			
F06	1	Restoration of Borrow Area 11 and	
		Cheatrass and Weedy Forbs	
F10	6	Restoration of Cheatgrass and Weedy Forbs	
F14	35	Restoration of Borrow Area 4, A-Neck	
F14_R01	35	Re-do of the West Half of Project F14	
F15	36, 1	Restoration of Disturbed Soils Around ICS	
		Perimeter	
F16A	1, 2	Restoration of South Plants Cover Backfill	
		Area	
F16B	1, 2	Restoration of South Plants Backfill Cover	
		Area / ICS Road	
F22	25	Restoration of North Plants Manufacturing	
		Area, BA6, BA8, BA9A, Misc N Tier Soils	
		Remediation	
F22_R01	25	Re-do of Project F22	
F25	25, 30	8th Avenue Road Shoulder Restoration	
F26	3	Restoration of Crested Wheatgrass and	Spring and fall
		Weedy Forbs	seeded sites
F26_R01	3	Re-do Portion of Project F26	
F27A	19	Restoration of Cheatgrass and Weedy Forbs	
F27B	19	Restoration of Crested Wheatgrass	
F27C	19	Restoration of Crested Wheatgrass	
F28	25	Restoration of Gravel Stockpile Area and	
		Crested Wheatgrass	
F30	36	Restoration of Borrow Areas 7B, 9A-4P, and	
		Section 36 BOA (Balance of Areas) Soil	

PROJECT	SECTION	NAME	COMMENTS
		Remediation	
F30	31	Restoration of Disturbed Soils from Balance	
		of Areas Remediation	
F30_R01	36	Re-do Portion of Project F30	
F31	26	,	
F32	35	Restoration of Borrow Area 3	
F32	26	Restoration of Borrow Area 3	
F32_R01	35	Re-do Area 1 of Project F32	
F32_R02	35	Re-do Area 2 of Project F32	
F33	31	Restoration of Weedy Forbs and Grasses	
F34	31	Restoration of Crested Wheatgrass, Weedy	
		Forbs, and Cheatgrass	
F35E	31	Restoration of Borrow Area 10	
F35E	32	Restoration of Borrow Area 10 Topsoil	
		Stockpile Area	
F35W	31	Restoration of Borrow Area 10	
F37	31	Restoration of Weedy Forbs and Grasses	
F40	20	Restoration of Crested Wheatgrass and	Project suspended,
		Cheatgrass	in PD zone as of
			2016
F41	20	Restoration of Crested Wheatgrass	Project suspended,
			in PD zone as of
			2016
F48	23	Restoration of Crested Wheatgrass	
F49	23	Restoration of Borrow Area 4, Basin F	
		Exterior	
F54	24	Restoration of Borrow Area 5	
F55	24	Overseeding of Natives in Borrow Area 5	
F56	5 and 6	Restoration of Cheatgrass and Weedy Forbs	
		Near Eagle Nest	
F57A	24	Restoration of Weedy Forbs and Grasses	
F57B	24	Restoration of Building 836 and Leaching	
		Field	
F58	29	Restoration of Munitions Remediation	
F59	26	Restoration of Area around SQI Facility	
F59	35	Restoration of the Building 111 Footprint	
F60	4	Restoration of Crested Wheatgrass, Weedy	
		Forbs and Grasses	
F61	34	Restoration of Weather Station Road	
F62	4	Sand Prairie Natives	
F63	34	Restoration of Lift Station Road	
NEW PROJECT			
NUMBERS BY			

PROJECT	SECTION	NAME	COMMENTS
SECTION DESIGNATION			
S01_NE-01		Restoration of Former Prairie Dog Occupied Area	
S03_SW-01		Restoration of Removal of Buildings 611 and 612 in Logistics Area	
S07_NW-01		Restoration of Former Prairie Dog Occupied Area	
S07_SW01		Restoration of Former Prairie Dog Occupied Area	
S11_SC-01			
S11_SE-01		Restoration of Former Prairie Dog Occupied Area	
S12_WC-01		Restoration of Weedy Forbs and Cheatgrass	
S12_SW-01		Restoration of Former Prairie Dog Occupied Area	
S23_NE-01		Restoration of Former Prairie Dog Occupied Area	
S23_SW-01			
S25_SW02_xxxx	25	Restoration of old 8th Avenue Roadbed	Planned project
S26_NW-01	26	Restoration of Former Prairie Dog Occupied Area	•
S27_S-01		Restoration of Former Prairie Dog Occupied Area	
S28_SE-01		Restoration of Section 28 Natives	
S31_NE-01		Restoration of Former Prairie Dog Occupied Area	
S32_NW-01			
S33_NE-01		Restoration of Section 33 Natives	
S35_C-01			
Pipeline	S12		
TREE AND SHRUB			
PLANTINGS			
HP01	1	Secretary Jewell Cottonwood Handplant Site	
HP01	6	Mule Deer Foundation Volunteer Shrub Handplant Site	
HP01	8	Cottonwood Hanplant Site	
Roadsides	6	Auto Tour Roadside Restoration	
MISC OTHER			
NCSA	26	Restoration of North-Central Study Area	

PROJECT	SECTION	NAME	COMMENTS
		Report, Section 26	
PMC_SQI	26	PMC Seeding by SQI Facility	
S03_BFFExhibit	3	Restoration of Disturbance from	
		Construction of BFF Exhibit	