



July 20, 2005

05-RF-00688

Mr. Cliff Franklin
MV72
DOE, RFFO

UNITED STATES FISH AND WILDLIFE SERVICE BIOLOGICAL OPINION
TERMS AND CONDITIONS 4.E, MONTHLY PREBLE'S MOUSE MITIGATION
DEBIT/CREDIT SPREADSHEET - DAW-030-05

Dear Cliff,

Attached is the June monthly updated Preble's Mouse Mitigation Debit/Credit Spreadsheet for your transmittal to the United States Fish and Wildlife Service (USFWS). The 2005 Herbicide Applications were added this month. Also, the highlighted line items, A, D, E, F, K, and L were all consolidated into line item R for better and more efficient tracking. In accordance with the Biological Opinion Terms and Conditions 4.e., DOE must submit this spreadsheet to the on-site Service Representative.

Please contact me at 303-966-5938 or Jody Nelson at 303-966-2231 if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'David Ward', written in a cursive style.

David Ward
Environmental Stewardship

DAW:plh

Attachment
As Stated

Preble's Mouse Mitigation Debit/Credit Spreadsheet*

Preble's Meadow Jumping Mouse Mitigation Tracking Spreadsheet for Part II activities in the PBA
7/11/2005

GIS Ref #	Date Project Initiated	Date Project Completed	Project Description	Impacted Acres	Mitigation Ratio	Acres to Mitigate	Mitigation Project	Total Debit (-) Acres	Date Mitigation Initiated	Mitigation Agency Concurrence Date	Total Credit (+) Acres (In-situ)	Balance [Debit (-)/ Credit (+)]	Comment
B	5/3/2004	5/12/2004	OPWL east	0.0189 Lower Quality 0.0 Higher Quality	1.5 : 1 2 : 1	0.0284 0.0	Miscellaneous	-0.0284	5/12/2004		[0.0284]	-0.0284	Disturbance amount reduced by 0.0469 acres because this portion of the OPWL East project was redisturbed by the B Pond Remediation, WWTP, North Access Road Removal projects. This portion of the OPWL area had not been approved as habitat yet, so area should not be double counted. Now accounted for in totals for GIS Ref# R. The portion of the polygon outside the redisturbed area is the amount that remains.
C	5/3/2004	5/12/2004	OPWL east	0.0111 Lower Quality 0.0 Higher Quality	1.5 : 1 2 : 1	0.0167 0.0	Pond Remediation and Removal Projects	-0.0167	5/12/2004		[0.0111]	-0.0167	
D	5/3/2004	5/25/2004	OPWL east	0.0111 Lower Quality 0.0 Higher Quality	1.5 : 1 2 : 1	0.0167 0.0	Pond Remediation and Removal Projects	-0.0167	5/25/2004		[0.0111]	-0.0167	
E	5/3/2004	5/25/2004	OPWL east	0.0111 Lower Quality 0.0 Higher Quality	1.5 : 1 2 : 1	0.0167 0.0	Pond Remediation and Removal Projects	-0.0167	5/25/2004		[0.0111]	-0.0167	
F	5/3/2004	5/25/2004	OPWL east	0.0111 Lower Quality 0.0 Higher Quality	1.5 : 1 2 : 1	0.0167 0.0	Pond Remediation and Removal Projects	-0.0167	5/25/2004		[0.0111]	-0.0167	
G	6/17/2004	6/28/2004	OLF Geotechnical Sampling	0.1375 Lower Quality 0.0472 Higher Quality	1.5 : 1 2 : 1	0.2063 0.0944	Original Landfill Project	-0.3007	6/28/2004		[0.1275]	-0.3007	
H	5/3/2004	6/17/2004	2004 Herbicide Applications		60:1		2004 Herbicide Applications (30 acres/annually for 3 yrs to offset 0.51 acres mitigation needed)		5/3/2004		0.1700	0.1700	
I	7/12/2004	7/20/2004	Culvert Removal Woman Creek	0.0390 Lower Quality 0.0341 Higher Quality	1.5 : 1 2 : 1	0.0585 0.0682	Road and Culvert Removals	-0.1267	7/20/2004		[0.0731]	-0.1267	
J	7/6/2004	7/28/2004	Well Installations	0.00 Lower Quality 0.0645 Higher Quality	1.5 : 1 2 : 1	0.00 0.1290	Well Installations	-0.1290	8/3/2004		[0.0639]	-0.1290	Polygon modified from original 8/3/04 data due to error. In-situ remediation is 0.0006 acres smaller than impacts due to concrete well pad loss.
K	7/12/2004	7/20/2004	Well Installations	0.00 Lower Quality 0.00 Higher Quality	1.5 : 1 2 : 1	0.00 0.00	Well Installations	0.00	7/20/2004		0.00	0.00	
L	7/12/2004	7/20/2004	Well Installations	0.00 Lower Quality 0.00 Higher Quality	1.5 : 1 2 : 1	0.00 0.00	Well Installations	0.00	7/20/2004		0.00	0.00	
M	11/18/2004	12/30/2004	East Shooting Range	0.70 Lower Quality 0.14 Higher Quality	1.5 : 1 2 : 1	1.05 0.28	NA	-1.3300	12/30/2004		[0.8400]	-1.3300	Consulted under separate BA. Mitigation addressed by PBA.
N	12/1/2004	Ongoing	East Trenches	0.13 Lower Quality 0.00 Higher Quality	1.5 : 1 2 : 1	0.195 0.00	Pond Remediation and Removal Projects	-0.1950			[0.1300]	-0.1950	Moved from Part I to Part II of PBA due to ongoing disturbance.
O	1/12/2005	1/12/2005	Well Installations	0.0016 Lower Quality 0.00 Higher Quality	1.5 : 1 2 : 1	0.0024 0.00	Well Installations	-0.0024	1/12/2005		[0.0013]	-0.0024	In-situ remediation is 0.0003 acres smaller than impacts due to concrete well pad loss.

Preble's Mouse Mitigation Debit/Credit Spreadsheet*

GIS Ref #	Date Project Initiated	Date Project Completed	Project Description	Impacted Acres	Mitigation Ratio	Acres to Mitigate	Mitigation Project	Total Debit (-) Acres	Date Mitigation Initiated	Mitigation Agency Concurrence Date	Total Credit (+) Acres (In-situ)	Balance [Debit (-)/ Credit (+)]	Comment
P	12/22/2004	3/4/2005	C-1 Pond Notching	1.4193 Lower Quality 0.1658 Higher Quality	1.5 : 1 2 : 1	2.1290 0.3316	Pond Remediation and Removal Projects	-2.4606	3/4/2005		[2.2091]	-2.4606	Credit amount includes in-situ restored (1.5331 acres) and new habitat created where roads and spillway were located (0.6760 acres).
Q	1/10/2005	5/24/2005	Functional Channel #3	0.5768 Lower Quality 0.0589 Higher Quality	1.5 : 1 2 : 1	0.8652 0.1178	Road and Culvert Removals	-0.9830	5/24/2005		[0.8589]	-0.9830	Credit amount includes in-situ restored (0.5768 acres) and new habitat where N. Access Road was located (0.2821 acres).
R	8/30/2004	5/15/2005	B Pond Remediation, WWTP, North Access Road Removal in South Walnut Creek	5.4397 Lower Quality 0.8582 Higher Quality	1.5 : 1 2 : 1	8.1596 1.7164	B Pond Remediation, WWTP, North Access Road Removal	-9.8760	5/15/2005		[6.0648]	-9.8760	Credit amount is 0.2331 less than total disturbance that could return because some areas ended up under riprap. The overall value for this line value incorporates the disturbances previously listed in GIS Ref #s A, D, E, F, G, and a portion of B.
S	5/1/2005	6/15/2005	2005 Herbicide Applications		60:1		2005 Herbicide Applications (30 acres/annually for 3 yrs to offset 0.51 acres mitigation needed)		5/1/2005		0.1700	0.1700	
							Total Acreage	-15.4485			10.7481	-15.1085	

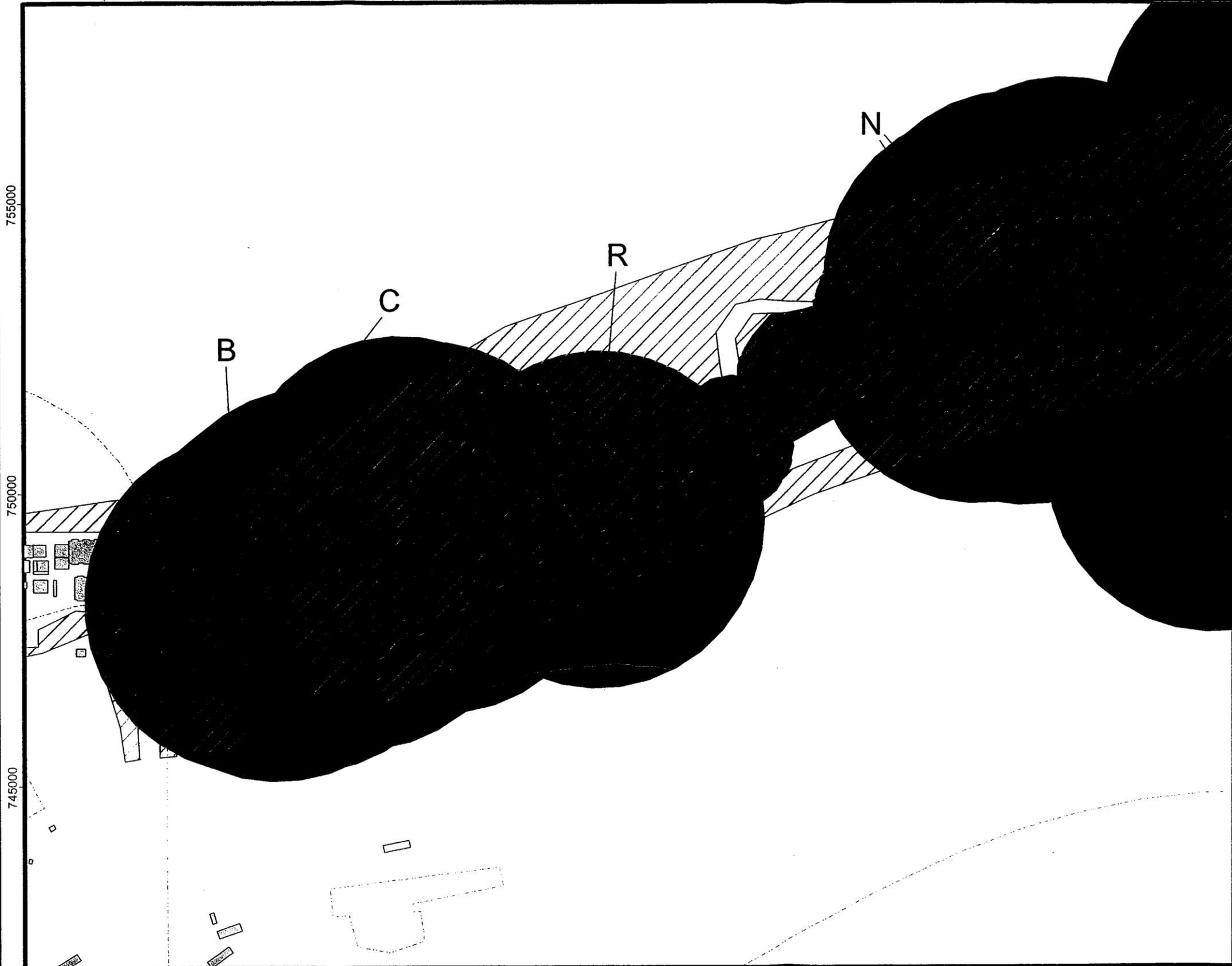
NOTE: Only acreage values greater than 0.0002 acres are incorporated in this spreadsheet. The reason is that the GPS unit being used becomes inaccurate for polygons smaller than this. In the Total Credit column the brackets indicate that the credit has not been applied yet. After USFWS concurrence for that project, the brackets will be removed and the credits applied. The shaded columns at the top of the spreadsheet have been consolidated into GIS Ref # R due to overlaps in the disturbances.

2075000

2080000

2085000

2090000



**Rocky Flats Environmental
Technology Site
Programmatic Biological
Assessment
Disturbance Tracking**
July 11, 2005

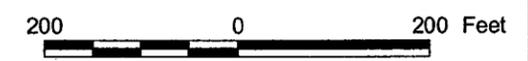
Legend

-  Current Preble's Protection Areas
-  Project Footprints for PBA Part II Activities
-  Project Disturbances (Letter match projects on spreadsheet)

Standard Features

-  Buildings
-  Demolished Buildings
-  Lakes & ponds
-  Streams & ditches
-  Fences
-  Paved roads
-  Dirt roads
-  Contours (20 ft. intervals)

DATA SOURCE BASE FEATURES:
Buildings, fences, hydrography, roads and other
structures from 1994 aerial fly-over data
captured by EG&G RSL, Las Vegas.
Digitized from the orthophotographs, 1/95.



State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: Professional Environmental Group, L.L.C.

For:  Kaiser-Hill Company, LLC
RFETS GIS Dept.
303-966-7707

MAP ID: 04-0035 July 11, 2005

C:\Projects\FY2004\04-0035\PSA Pt II Mitigation Tracking.apr\PMJM Disturbance Tracking Map 8 071105

Rocky Flats Environmental Technology Site Programmatic Biological Assessment Disturbance Tracking July 11, 2005

Legend

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500 0 500 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: Professional Environmental Group, L.L.C.

For:  Kaiser-Hill Company, LLC
RFETS GIS Dept. 303-966-7707
MAP ID: 04-0035 July 11, 2005

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