

**ATTACHMENT 1**

**YEAR 1 MONITORING STATUS MEMO**

**WEMO OHV Protocol Monitoring**

**ROUTES MONITORED YEAR 1:**

Pursuant to Section 4.1 of the 2013 Protocol Monitoring Plan, for Year 1 of the first 3-year monitoring cycle commencing August 2013, BLM completed field inspection and data recordation on 114.15 miles of field sample routes, and 55.01 miles of aerial sample routes. Table 1 lists the routes field monitored and Table 2 lists the routes aerially monitored in Year 1. These routes are depicted on Attachment 2, Year 1 Protocol Monitoring Map, and color coded for field versus aerial photo monitoring.

<b>Table 1. Routes Field Monitored in Year 1</b>				
<b>Date Monitored</b>	<b>Travel Management Area</b>	<b>Route Number</b>	<b>Route Mileage</b>	<b>Comments</b>
2/7/2014	Afton Canyon	AC8711	2.07	Segments south of Mojave Road are no longer present
2/7/2014	Afton Canyon	AC9604	2.55	
2/3/2014	Black Mountain	FP6237	0.02	
8/20/2013	Calico Mountains	CM7617	0.88	
8/9/2013	Coolgardie	CG8056A	0.22	
8/9/2013	Coolgardie	CG7216A	0.06	
8/12/2013	Coolgardie	CG7250	4.67	ATV required to sample
8/13/2013	Coolgardie	CG7259	2.80	ATV required to sample
8/9/2013	Coolgardie	CG7256B	0.11	
8/9/2013	Coolgardie	CG7174	0.63	
8/9/2013	Coolgardie	CG7262	1.18	
8/9/2013	Coolgardie	CG7253	5.81	
8/9/2013	Coolgardie	CG7275	1.48	
8/9/2013	Coolgardie	CG7210	6.59	

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8/19/2013	Fremont Peak	FP5430	1.34	
8/19/2013	Fremont Peak	FP5302	5.63	
8/19/2013	Fremont Peak	FP5320	2.06	
8/19/2013	Fremont Peak	FP5165	8.53	
8/19/2013	Fremont Peak	FP5345	2.94	
8/14/2013	Harper Lake	HL7141	3.61	
8/14/2013	Harper Lake	HL7168B	0.15	
8/14/2013	Harper Lake	HL6475	1.51	
8/14/2013	Harper Lake	HL7142	2.37	
8/30/2013	Iron Mountain	IM4863	2.07	
8/30/2013	Iron Mountain	IM6447	1.51	
2/4/2014	Kramer Hills	KH5243	1.80	
2/4/2014	Kramer Hills	KH6134	1.66	
8/21/2013	Mitchel Mountains	MM7163	1.40	
8/21/2013	Mitchel Mountains	MM7164	1.34	
8/21/2013	Mitchel Mountains	MM7181	0.36	
8/21/2013	Mitchel Mountains	MM7170	4.69	
2/10/2014	Ord Mountains	OM6638	5.73	Segment at southwest end, past the powerline, is no longer present
5/28/2014	Rands	R066	0.94	
6/28/2014	Rands	R47	1.01	
6/28/2014	Rands	R20	5.13	
5/30/2014	Red Mountain	RM0064	6.30	
6/27/2014	Red Mountain	RM0241	0.71	

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<b>Date Monitored</b>	<b>Travel Management Area</b>	<b>Route Number</b>	<b>Route Mileage</b>	<b>Comments</b>
6/27/2014	Red Mountain	RM0216	3.31	
6/27/2014	Red Mountain	RM0329	1.20	
7/16/2014	Red Mountain	RM0029	6.01	
7/16/2014	Red Mountain	RM0076	6.07	
9/13/2013	Stoddard Valley	SV2645	0.23	
9/13/2013	Stoddard Valley	SV6505	2.13	
9/13/2013	Stoddard Valley	SV2604	1.05	
9/13/2013	Stoddard Valley	SV6501	0.66	
9/13/2013	Stoddard Valley	SV6536	1.37	
9/13/2013	Stoddard Valley	SV6559	0.26	
<b>Total miles field monitored:</b>			114.15	

<b>Table 2. Routes Monitored via Aerial Photos in Year 1</b>				
<b>Date Monitored</b>	<b>Travel Management Area</b>	<b>Route Number</b>	<b>Route Mileage</b>	<b>Comments</b>
6/17/2014	Afton Canyon	AC8710	4.62	Route is located north of railroad in Razor OHV Recreation Area
8/1/2014	Afton Canyon	AC7815	2.78	
6/17/2014	Black Mountain	BM6271	1.58	
6/17/2014	Black Mountain	BM6258	1.05	
6/17/2014	Black Mountain	BM6328	0.24	
6/17/2014	Black Mountain	BM6256	0.61	
6/17/2014	Broadwell Lake	BL8650	4.59	
6/17/2014	Broadwell Lake	BL9489	0.31	Existing incursion

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<b>Date Monitored</b>	<b>Travel Management Area</b>	<b>Route Number</b>	<b>Route Mileage</b>	<b>Comments</b>
6/17/2014	Calico Mountains	CM7651A	0.12	
6/17/2014	Coolgardie	CG7158	0.01	Existing incursion
6/17/2014	Cronese Lake	CL8138	0.01	
6/17/2014	Cronese Lake	CL8243	1.74	
6/17/2014	Cronese Lake	CL8128	0.25	
6/17/2014	Darwin	SE45	0.19	Existing incursion
6/17/2014	El Mirage	EM4665	0.34	Existing incursion
6/17/2014	El Mirage	EM4698	0.24	Existing incursion
6/17/2014	El Mirage	EM4654	0.11	
6/17/2014	El Mirage	EM4687	0.27	Wash
8/1/2014	El Mirage	EM4693	0.25	Existing incursion
8/1/2014	El Mirage	EM2720	0.91	Existing incursion
6/17/2014	El Paso	EP428	1.01	Existing incursion
6/17/2014	Fremont Peak	FP5408	1.01	Existing incursion
6/17/2014	Fremont Peak	FP6383A	0.11	
6/17/2014	Fremont Peak	FP5308R	0.10	
6/17/2014	Fremont Peak	FP5396	0.30	
6/17/2014	Fremont Peak	FP5332A	0.01	
6/17/2014	Fremont Peak	FP5386	2.83	Wash
6/17/2014	Fremont Peak	FP5405A	0.12	Wash
6/17/2014	Fremont Peak	FP5316	2.02	
6/17/2014	Harper Lake	HL6253	0.57	Wash
6/17/2014	Harper Lake	HL6284	0.48	

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<b>Date Monitored</b>	<b>Travel Management Area</b>	<b>Route Number</b>	<b>Route Mileage</b>	<b>Comments</b>
6/17/2014	Iron Mountain	IM5807	0.24	
6/17/2014	Iron Mountain	IM5856	1.73	
6/17/2014	Joshua Tree	JT1966	0.15	
6/17/2014	Joshua Tree	JT1952	0.94	Existing incursion
6/17/2014	Juniper Flats	JF4343	0.60	Wash
6/17/2014	Kramer Hills	KH5204C	0.03	
6/17/2014	Kramer Hills	KH5251A	0.11	
6/17/2014	Kramer Hills	KH6105	0.25	
6/17/2014	Kramer Hills	KH5257B	0.03	
6/17/2014	Kramer Hills	KH4815	2.25	
6/17/2014	Middle Knob	MK128	0.08	
6/17/2014	Middle Knob	MK79	0.13	
8/1/2014	Middle Knob	MK75	0.27	
6/17/2014	Mitchel Mountains	MM7198A	0.04	
6/17/2014	Mitchel Mountains	MM7194B	0.07	
8/1/2014	Mitchel Mountains	MM7124	0.09	
8/1/2014	Mitchel Mountains	MM7120	4.00	Existing incursion
8/1/2014	Mitchel Mountains	MM7165A	0.29	Existing incursion
8/1/2014	Needles South	NS7811	1.23	Existing incursion
6/17/2014	Newberry/Rodman	NR8443	0.43	
6/17/2014	Newberry/Rodman	NR3042C	0.10	
6/17/2014	Newberry/Rodman	NR8436B	0.13	
6/17/2014	Newberry/Rodman	NR7534B	0.13	

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<b>Date Monitored</b>	<b>Travel Management Area</b>	<b>Route Number</b>	<b>Route Mileage</b>	<b>Comments</b>
6/17/2014	Newberry/Rodman	NR8449	0.21	
6/17/2014	North Searles	P963	0.55	
6/17/2014	Ord Mountains	OM7350F	0.36	
6/17/2014	Pisgah Crater	PC8632	0.35	
6/17/2014	Rand Mountain	R45	1.74	Existing incursion
6/17/2014	Rand Mountain	R910	0.42	
6/17/2014	Rattlesnake Canyon	RC2362	0.11	
6/17/2014	Rattlesnake Canyon	RC2356	0.78	Existing incursion
6/17/2014	Rattlesnake Canyon	RC3414	0.17	
6/17/2014	Rattlesnake Canyon	RC2320	3.13	
8/1/2014	Rattlesnake Canyon	RC2245	1.07	Existing incursion
6/17/2014	South Searles	RM3142	0.38	Existing incursion
6/17/2014	South Searles	RM8217	0.39	
8/1/2014	South Searles	RM02168	2.56	Existing incursion
6/17/2014	Stoddard Valley	SV2602	0.49	Existing incursion
6/17/2014	Stoddard Valley	SV7304	0.03	
6/17/2014	Wonder Valley	WV3536	0.17	
<b>Total miles monitored via aerial photos</b>			<b>55.01</b>	

### **SUMMARY OF MONITORING PROTOCOL:**

In 2012, the BLM performed a census of all designated open and limited routes in the WEMO Plan Area based on the review of 2009 aerial photography and field inspection. The intent of this census was to document the current extent, usage, and locations of all existing incursions in the Plan Area. For monitoring purposes, this 2012 census effort is considered the “baseline” and was used to derive the sampling strategy and approach detailed in the May 2013 WEMO OHV Monitoring Protocol.

The purpose of the Protocol Monitoring is to evaluate: (1) public compliance with route closures, and (2) the creation of new illegal routes (referred to as incursions). An incursion is defined as the location along a designated route (on BLM land only) where visitors have gone off the designated route to use a closed route or develop a new route. Incursions do not include hiking, mountain biking, or equestrian trails that may intersect designated routes.

Monitoring of designated routes will occur over a 3-year monitoring cycle with a random sample of routes selected in the first year of monitoring, which routes will then be monitored over a three year period (1/3 of the sample to be monitored each year). The population of monitored routes within the WEMO Plan area will be limited to routes that are over 0.01 miles in length and are designated as open or limited. All incursions that exist at the initiation of this monitoring protocol are considered active; following field monitoring, an existing incursion will be designated as either active or inactive. Routes will be stratified by whether or not the route includes at least one existing, active incursion. This stratification process results in two strata:

1. Routes with existing, active incursions
2. Routes without existing, active incursions

Field monitoring will be performed annually on approximately 112 miles of designated routes in the "routes with existing, active incursions" stratum (a total of about 336 miles of routes will be monitored over each 3-year monitoring cycle in this stratum). For routes with no existing, active incursions, aerial photography will be used to review a random selection of routes for new incursions. Approximately 50 miles of routes with no existing, active incursions will be reviewed annually for a total of about 150 monitored miles over the 3-year monitoring period.

A 3-year monitoring sample of 336 miles of routes with existing incursions and 150 miles of routes with no existing incursions will provide statistically valid results (estimated 80% confidence level and 10% sampling error). BLM will carry out three 3-year monitoring cycles over the course of nine years.

### **ISSUES ENCOUNTERED IN YEAR 1:**

#### **Baseline GIS Issues:**

Numerous routes with existing incursions, as identified in the 2009 aerial photography, were found to have been incorrectly placed within the "routes without existing, active incursions" population sample. These route segments will be moved to the "routes with existing, active incursions" population sample for the next sample draw at the beginning of the second 3-year monitoring period. In comparing the 2009 aerial photography against the 2013 aerial photography, no new incursions were identified, in the routes without existing, active incursions population sample.

Segments of two designated routes in the routes with existing, active incursions population sample have been identified for possible closure and removal from the inventory because the route segment has now been determined not to exist on the ground.

One route was mistakenly identified as a designated route within the Razor OHV Recreation Area, which is a designated Open area where cross-country travel is allowed. As such, there can be no designated routes or incursions. This route will be removed from the protocol monitoring strata.

Several routes are associated with washes with no clear evidence of use.

**DEVIATION FROM PROTOCOL AND/OR RECOMMENDATION FOR CHANGES TO THE PROTOCOL OR VARIABLES:**

The BLM personnel who conducted the Year 1 protocol monitoring did not identify any necessary deviations from the protocol or recommend any changes to the protocol or variables.