



ANTELOPE RIDGE
WIND FARM

A wind farm owned by Antelope Ridge Wind Power Project LLC

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February 20, 2013

Sue Oliver
Oregon Department of Energy
Energy Facility Siting Analyst
395 E. Highland Ave.
Hermiston, OR 97838

Dear Ms. Oliver:

On September 17, 2012, Western EcoSystems Technology Inc (WEST.) completed a big game quarterly monitoring flight with the intention of locating all mule deer and elk collared with telemetry units. During the quarterly monitoring flight, all deployed elk collars (20) were active and located. Most of the collared elk (18 of 20) were located on or near Craig Mountain. One elk collar was turned in by a hunter in the fall of 2012. The unit had been on Elk #18, and data from this collar has been downloaded for analysis.

Deer collars were programmed to drop off of the animals in early September. Twelve of the fourteen deployed deer collars (n=14) dropped successfully and were relocated during the flight. Most of the collars were along the eastern edge of Craig Mountain and in the vicinity of Elkhorn. One collar (ID #4) was located in the foothills east of Union. The twelve dropped collars were all radio-tracked from the ground and recovered for download and analysis. The two collars that remain on deer will be checked during the next flight

WEST will continue to monitor big game within the Project area, with two flights scheduled in 2013. One flight will be completed in early spring to identify any hunting-related or post-winter facilities. The second will be completed immediately after the pre-programmed collar drop in May 2013, to guide ground based collar retrieval efforts. The data will then be analyzed over the following months in order to prepare a final report anticipated to be completed in the Fall of 2013. Data analyses will include annual and seasonal distribution and habitat use, home ranges and core use areas, and assessment of Resource Selection Function.

For reference, the WEST Technical Memorandum is attached to this email. We will continue to keep you apprised of this wildlife monitoring effort.

Yours truly,

Johnny Casana
Development - Western Region
53 SW Yamhill, Portland, OR 97204

Attachment 1: September 2012 Antelope Ridge Big Game Monitoring Flight Memo



ENVIRONMENTAL & STATISTICAL CONSULTANTS

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TECHNICAL MEMORANDUM

Date: February 19, 2012

Note: This should be
February 19, 2013

To: Jon VanDerZee, EDPR

From: Eric Hallingstad, WEST, Inc.

Re: Antelope Ridge Big Game Monitoring Flight

This memo summarizes the results of the big game quarterly monitoring flight that was conducted on September 17, 2012, and subsequent collar retrieval efforts.

ELK

All currently deployed elk collars (n=20) are active and were relocated during the flight (Table 1 and Figure 1). Most of the collared elk (18 of 20) were located on or near Craig Mountain (Figure 1). One elk (#1) was located in the Grande Ronde Valley west of Cove, Oregon; another (#15) was low on the west slope of Mt Fanny to the NE of Cove. All collars were transmitting normally at the time of the flight. One elk collar was turned in by a hunter in the fall of 2012; the unit had been on Elk #18 (Table 1). Data from this collar has been downloaded for analysis.

MULE DEER

Deer collars were programmed to drop off of the animals in early September. Twelve of the fourteen deployed deer collars (n=14) dropped successfully and were relocated during the flight (Table 2 and Figure 1). Most of the collars were along the eastern edge of Craig Mountain and in the vicinity of Elkhorn (Figure 1). One collar (ID #4) was located in the foothills east of Union. The twelve dropped collars were all radio-tracked from the ground and recovered for download and analysis. The two collars that remain on deer will be checked during the next flight (March 2013).



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Table 1. Locations of collared elk during flight on 9/17/12

Elk ID #	CDN	Frequency	UTM (Zone 11T; WGS 84)	
1	613828A	151.060	427323	5015795
2	628801A	151.070	425522	5006169
3	629816A	151.090	423854	5005183
4	629823A	151.160	424544	5006012
21	630030A	151.170	422308	5009276
23	630080A	151.190	423613	5005457
7	630123A	151.220	428676	5003063
8	630213A	151.230	421217	5009475
22	631512A	151.280	424034	5005535
10	631570A	151.300	424025	5004907
11	631637A	151.330	423764	5004662
12	631638A	151.340	424722	5005338
13	631639A	151.370	424953	5004458
14	631640A	151.400	424722	5005338
15	634612A	151.410	438431	5020856
16	634613A	151.430	424034	5005535
17	634615A	151.470	421847	5011752
18 ¹	634616A	151.480	421847	5011752
19	634617A	151.490	421217	5009475
20	634618A	151.510	424544	5006012

¹ Elk #18 was shot by a hunter this fall. WEST has the collar.

Table 2. Locations of collared mule deer during flight on 9/17/12

Deer ID #	CDN	Frequency	UTM (Zone 11T; WGS 84)	
	630159	150.090	Not Deployed	
2	631558	150.110	430962	5003974
3	631657	150.120	426567	5008737
4	631658	150.130	444561	5005366
	631660	150.160	Not Deployed	
6	631661	150.170	431123	5000603
7 ²	631662	150.210	426046	5011459
	631664	150.220	Not Deployed	
9	631667	150.230	426419	5009287
25	631668	150.250	431498	5003501
11	631669	150.310	431760	5004510
24	631670	150.320	426232	5008623



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Deer ID #	CDN	Frequency	UTM (Zone 11T; WGS 84)	
	631672	150.340	Not Deployed	
	634604	150.350	Not Deployed	
15	634605	150.370	426399	5008621
16	634606	150.390	434479	4994865
17 ²	634607	150.410	435827	4992851
	634608	150.430	Not Deployed	
26	634609	150.450	427886	5006412
20	634610	150.550	439305	4995804

² Collars on deer #7 and #17 did not drop.

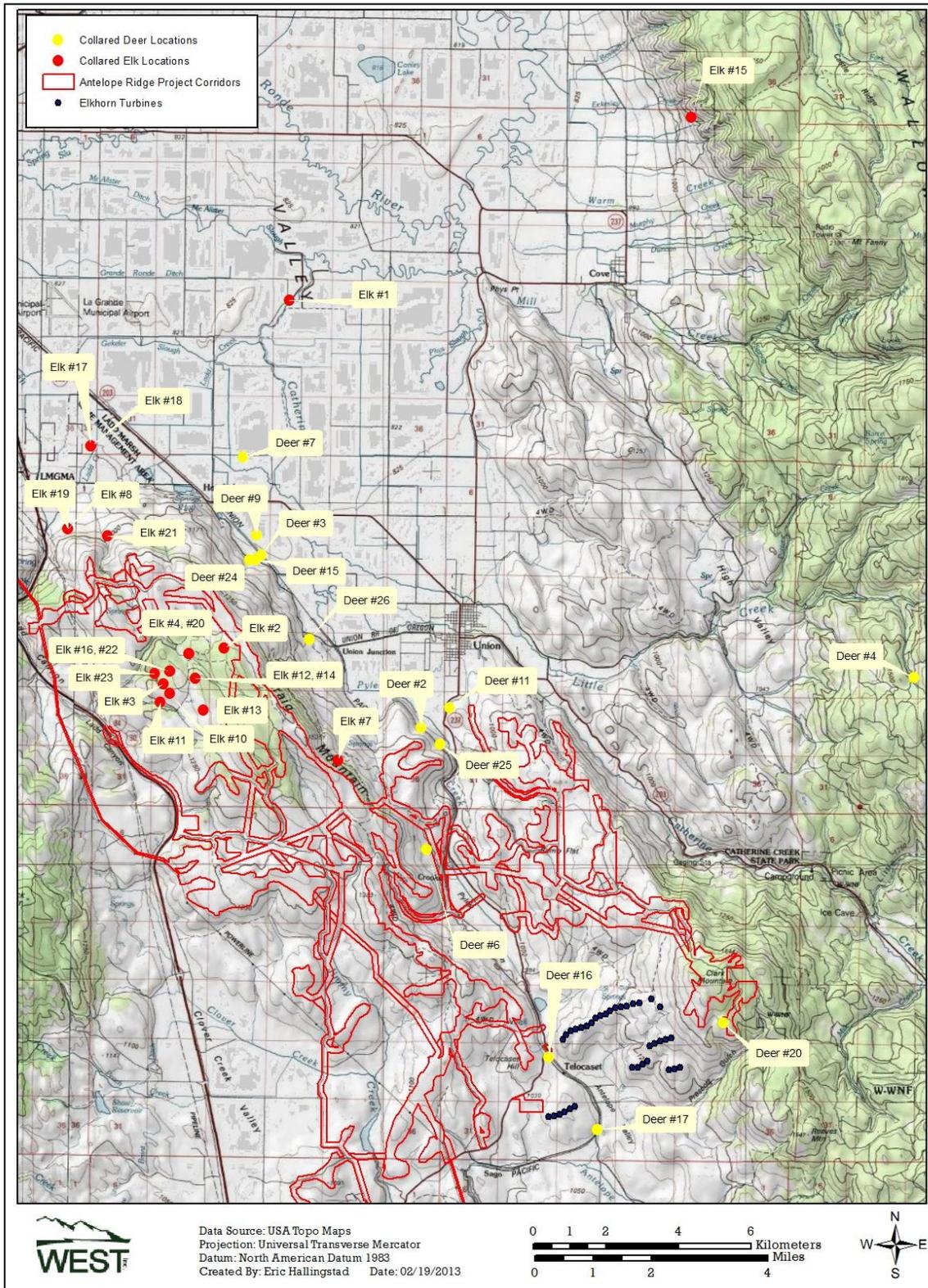


Figure 1. Locations of radiocollared mule deer and elk during monitoring flight conducted on September 17, 2012 (numbers refer to ID numbers in first column of Tables 1 and 2).