Mule Deer Monitoring in the Pinedale Anticline Project Area

2013 Annual Report

Prepared for:
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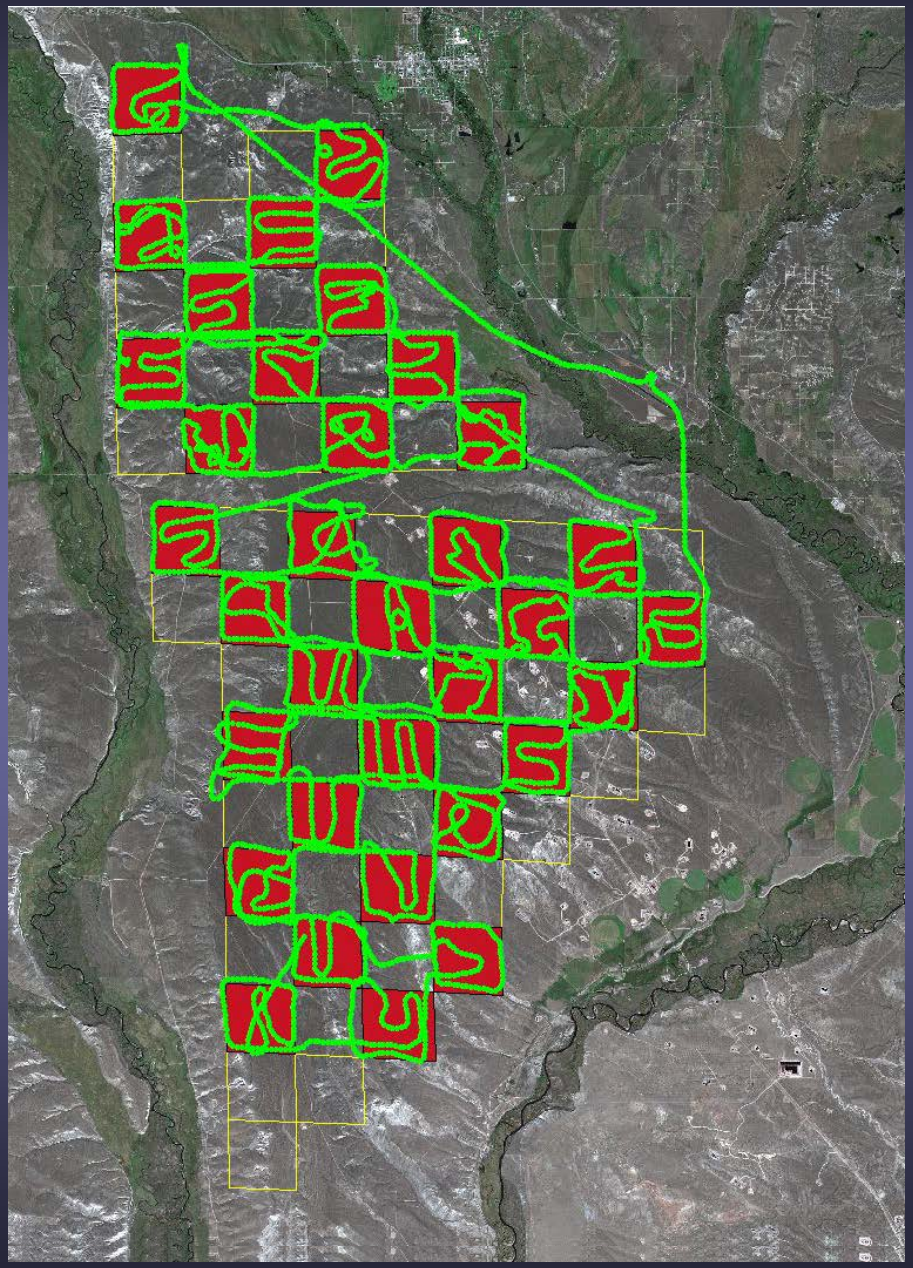
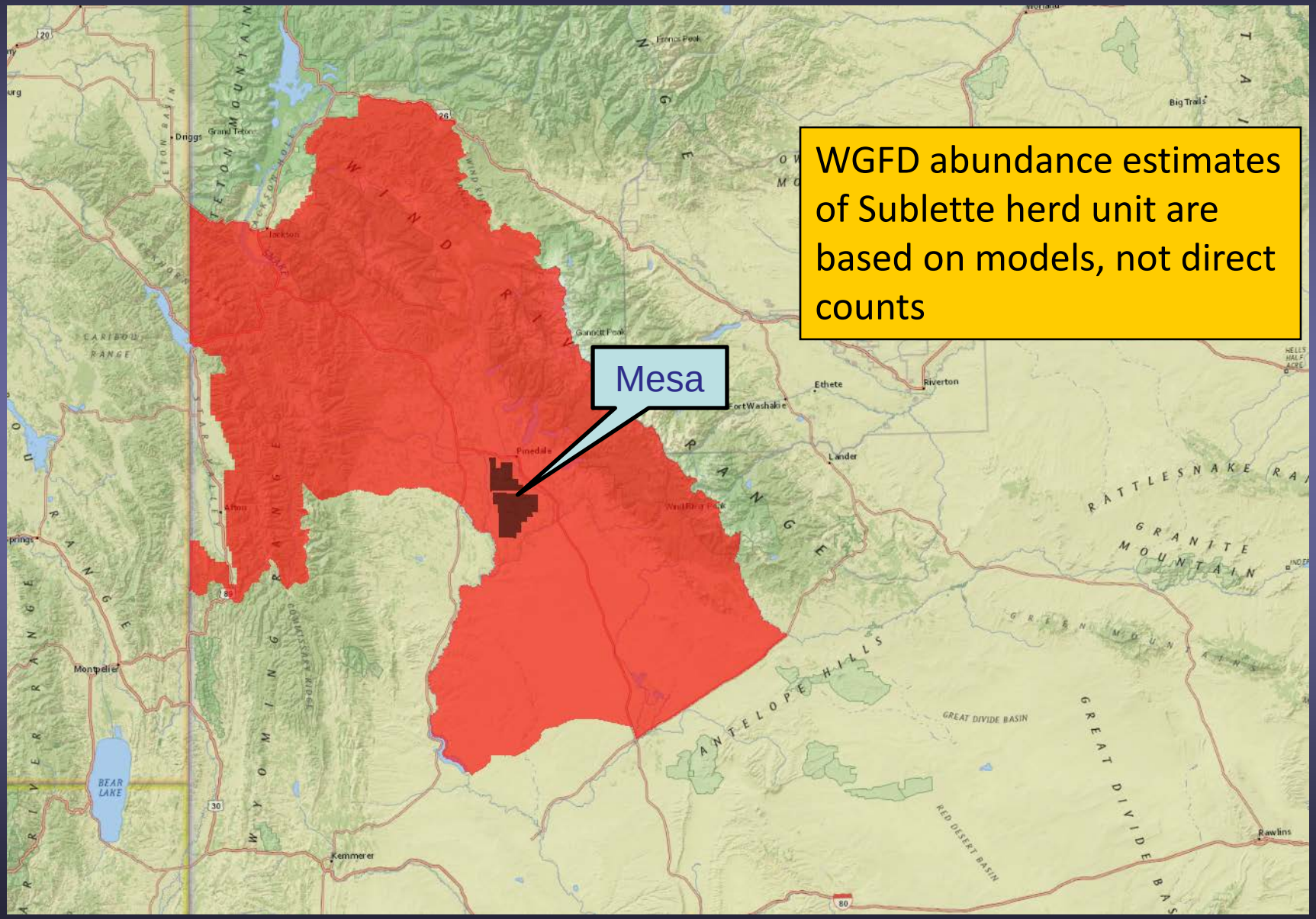
Approach: Estimate Mule Deer Abundance on the Mesa

Survey Area: 68 blocks (1 x 1 mi)



Compare Mesa numbers to the larger Sublette Herd Unit



Results: Baseline (2005) to present

Table 1. Mule deer abundance estimates, standard errors (SE), and percent change for the Mesa and Sublette herd unit, baseline winter through 2012-13. * Note: the record of decision (ROD; BLM 2008) uses 2,856 as the baseline and was derived from the average of 2004-05 and 2005-06 estimates.

Winter	Mesa			Sublette Herd Unit			Threshold Exceeded?
	Estimate	SE	% Change	Estimate	SE	% Change	
baseline*	2,856*	n/a	baseline*	27,254	n/a	baseline	baseline
2006-07	3,156	470	+10%	26,470	n/a	-3%	NO
2007-08	3,638	424	+27%	31,200	n/a	+14%	NO
2008-09	3,850	322	+35%	28,700	n/a	+5%	NO
2009-10	2,088	325	-27%	26,060	n/a	-4%	YES
2010-11	2,318	212	-19%	26,162	n/a	-4%	YES
2011-12	2,553	210	-11%	20,825	n/a	-23%	NO
2012-13	2,652	220	-7%	21,385	n/a	-18%	

GPS-collared mule deer now part of collaborative research effort (UW, WGFD, others) looking at mule deer nutrition/body condition