

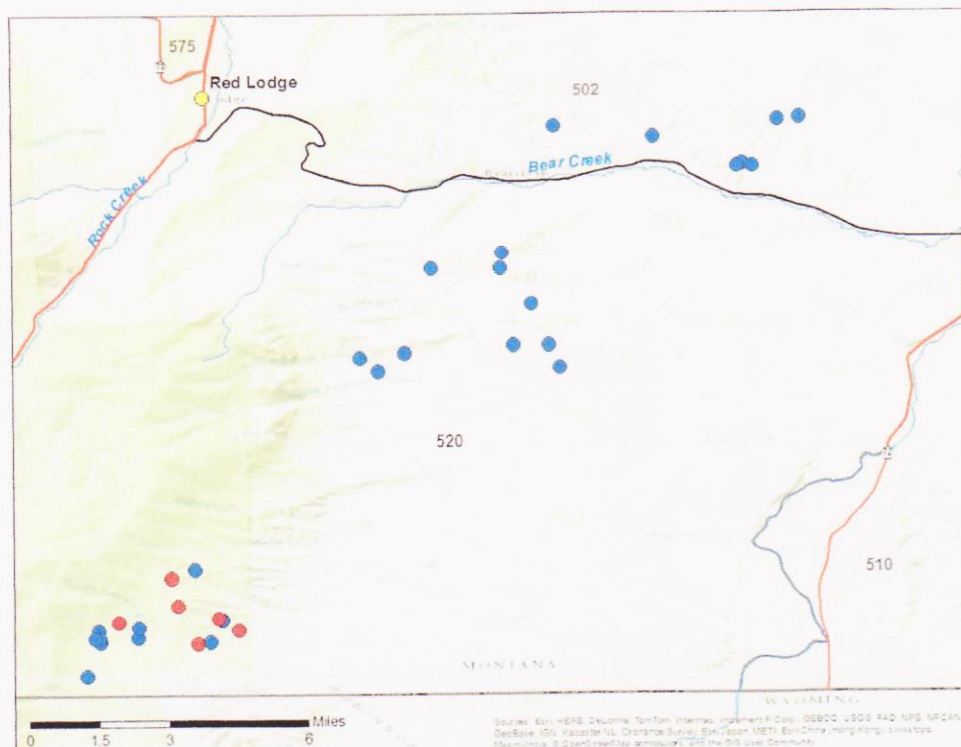
## Brucellosis sampling along the eastern Absaroka Mountain Range

During January 19 - 25, a total of 94 adult (i.e.,  $\geq 1.5$  years old) elk from 4 elk populations were captured and sampled for exposure to brucellosis. Blood was collected in the field and later screened for exposure to brucellosis at the Department of Livestock (DOL) Diagnostic Laboratory. In addition, we received and screened 3 blood samples from hunter-harvested female elk within the area. We found a total of 6 elk from the WY-MT Border elk population south of Red Lodge that tested positive for brucellosis (Table 1, Figure 2). All other elk tested negative for exposure to brucellosis (Figures 2 & 3).

**Table 1. The total number of elk sampled and the number of seropositive elk in wintering populations along the eastern portion of the Absaroka Mountain range in January 2016. The numbers in parentheses represent the lower and upper bounds of the 95% confidence interval on the seroprevalence estimate.**

Population	Total Elk	Seropositive	Seroprevalence	GPS Collars
Border	16	6	0.38 (0.18, 0.61)	13
Silver Run	19*	0	0 (0, 0.17)	11
Deer Creeks	30	0	0 (0, 0.11)	4
Greycliff /Work Creeks	32	0	0 (0, 0.11)	3

\*Includes 3 hunter-harvest samples.



**Figure 2. Capture locations of 6 seropositive (red) and 26 seronegative (blue) elk in the Border and Silver Run elk populations near Red Lodge, MT.**