

SNAKE RIVER BRIDGE HIGHWAY 22/390 MOOSE STUDY

UPDATE

June 10, 2019



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Background

Wyoming Game and Fish Department (WGFD) personnel deployed GPS tracking collars on 10 cow moose in March 2019 in the area surrounding the Snake River Bridge on Wyoming Highway 22 west of Jackson. The collars are programmed to collect a GPS location every 30 minutes and will collect data for approximately 2 ½ years. The following maps show the movements of each of the 10 moose from March – early June 2019. We thank the Wyoming Department of Transportation (WYDOT) for providing funding for this study.

Road crossings

Most of the collared moose have crossed either Highway 22 or 390 and some have crossed smaller County roads such as Fish Creek Road and Fall Creek Road. Four out of the 10 moose have crossed roads near the Snake River Bridge and Highway 22/390 intersection (Figure 11). Five moose have crossed Highway 22 near Wilson or on the east side of Teton Pass. Two moose have cross Highway 22 near Skyline. Only 2 moose have not crossed Highways 22 or 390, although they have crossed Fish Creek Road and Fall Creek Road. Individual moose range from a minimum of 0 highway crossings (Figure 8) to 32 crossings (Figure 10) since collars have been deployed.

Mortalities

One collared moose died on April 14, 2019 of unknown causes (Moose #52). She had not crossed Highway 22 or 390, therefore it is unlikely that her death was caused by a vehicle collision.

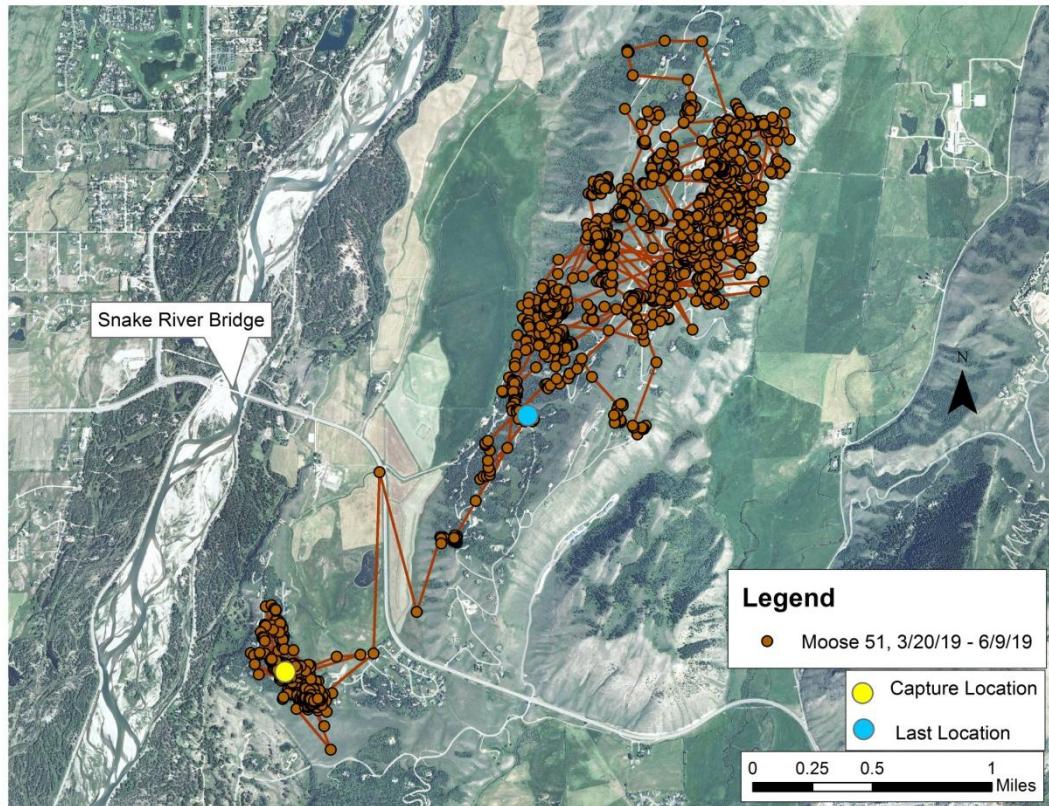


Figure 1. Movements of Moose #51 from March 20 – June 9, 2019. This moose crossed Highway 22 once during this period. This moose was captured in the Skyline Subdivision (yellow dot) and is currently on West Gros Ventre Butte (light blue dot).

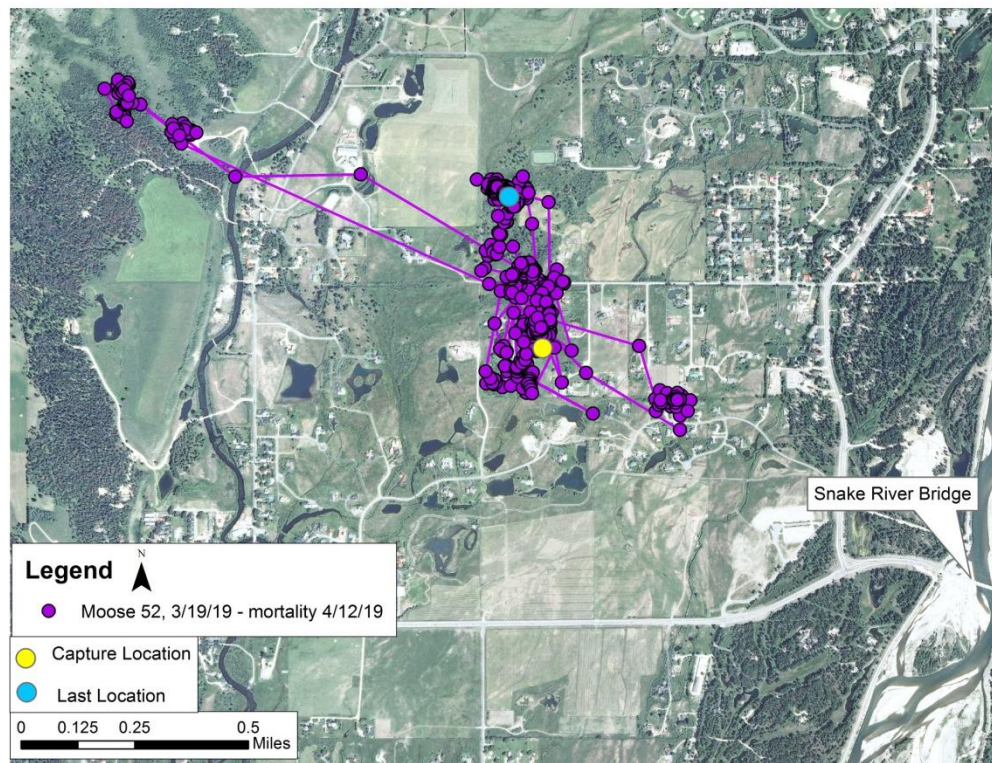


Figure 2. Movements of Moose #52 from March 19 – June 9, 2019. This moose died on April 14, 2019 of unknown causes. She was captured in the Nethercott Lane area (yellow dot) and died north of there (light blue dot).

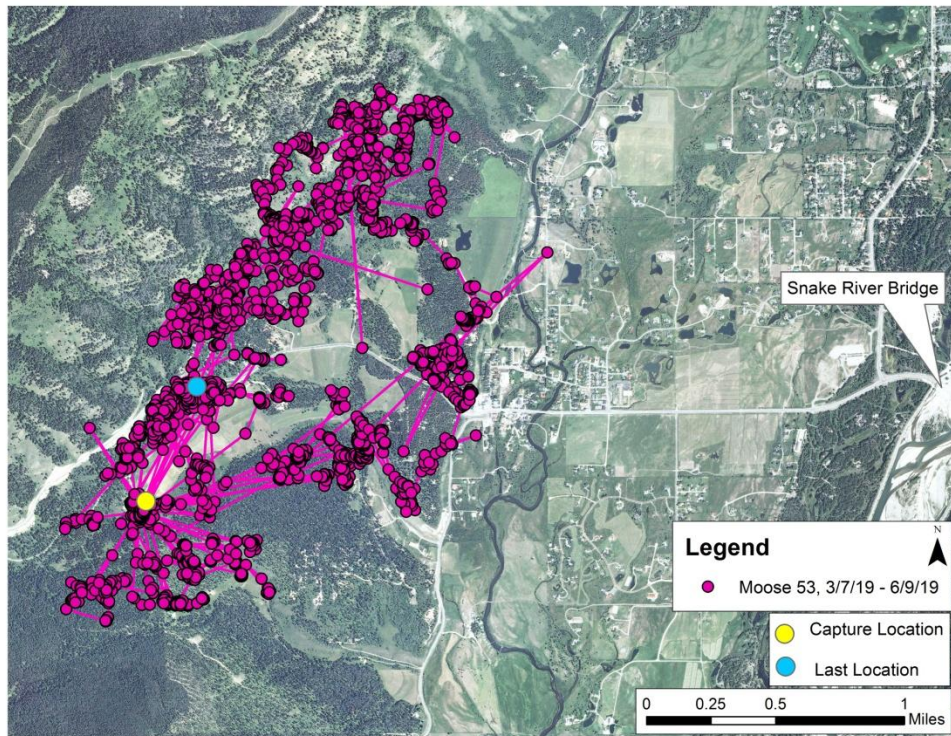


Figure 3. Movements of Moose #53 from March 7 – June 9, 2019. This moose crossed Highway 22 fifteen times during this period. This moose was captured near the base of Old Pass Road (yellow) and is currently on the north side of Highway 22 across from Trail Creek Ranch (light blue dot).

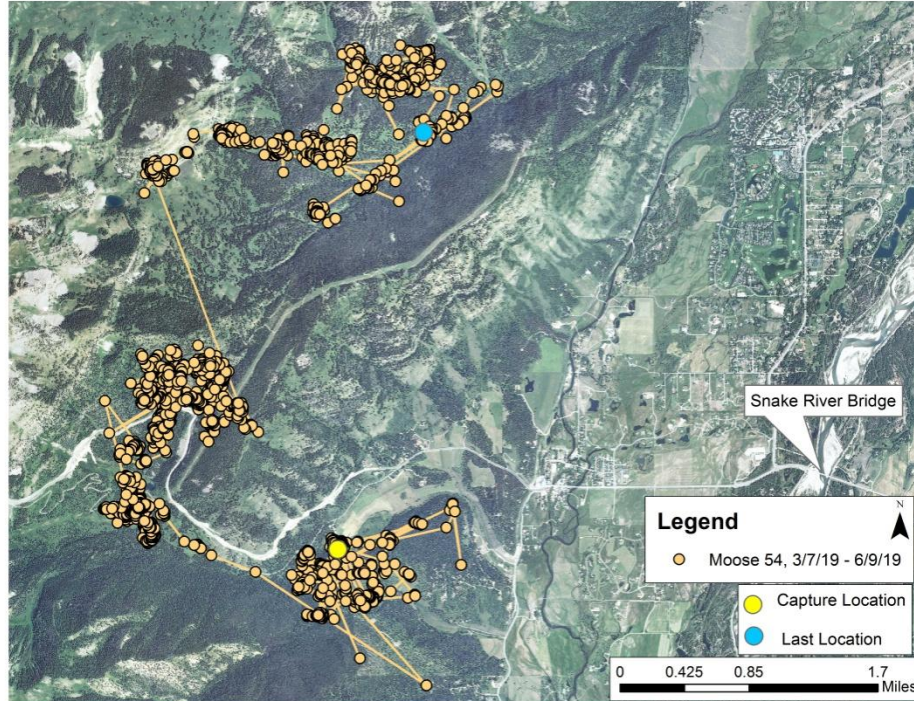


Figure 4. Movements of Moose #54 from March 7 – June 9, 2019. This moose crossed Highway 22 nine times during this period. This moose was captured near the base of Old Pass Road (yellow) and is currently in Phillips Canyon (light blue dot).

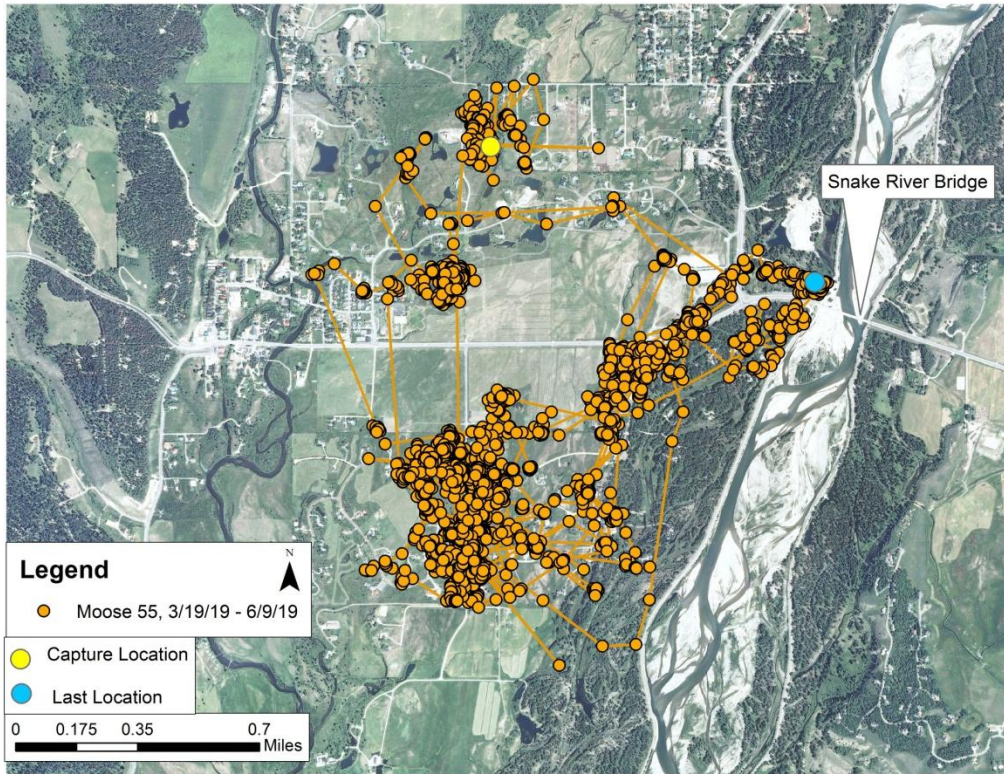


Figure 5. Movements of Moose #55 from March 19 – June 9, 2019. This moose crossed Highway 22 twelve times and Highway 390 three times during this period. This moose is a 2 year-old cow and was captured near Nethercott Lane (yellow dot) and is currently near the Wilson Boat Ramp (light blue dot).

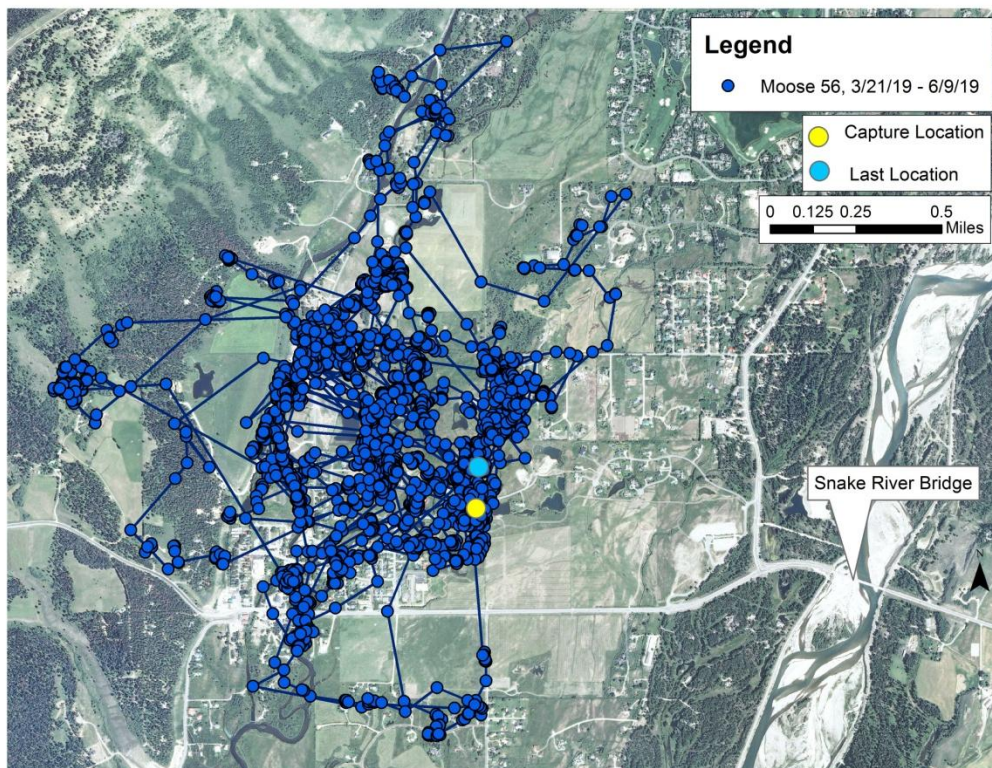


Figure 6. Movements of Moose #56 from March 21 – June 9, 2019. This moose crossed Highway 22 six times during this period. This moose was captured in Wilson (yellow dot) and is currently in the northeast Wilson area (light blue dot).

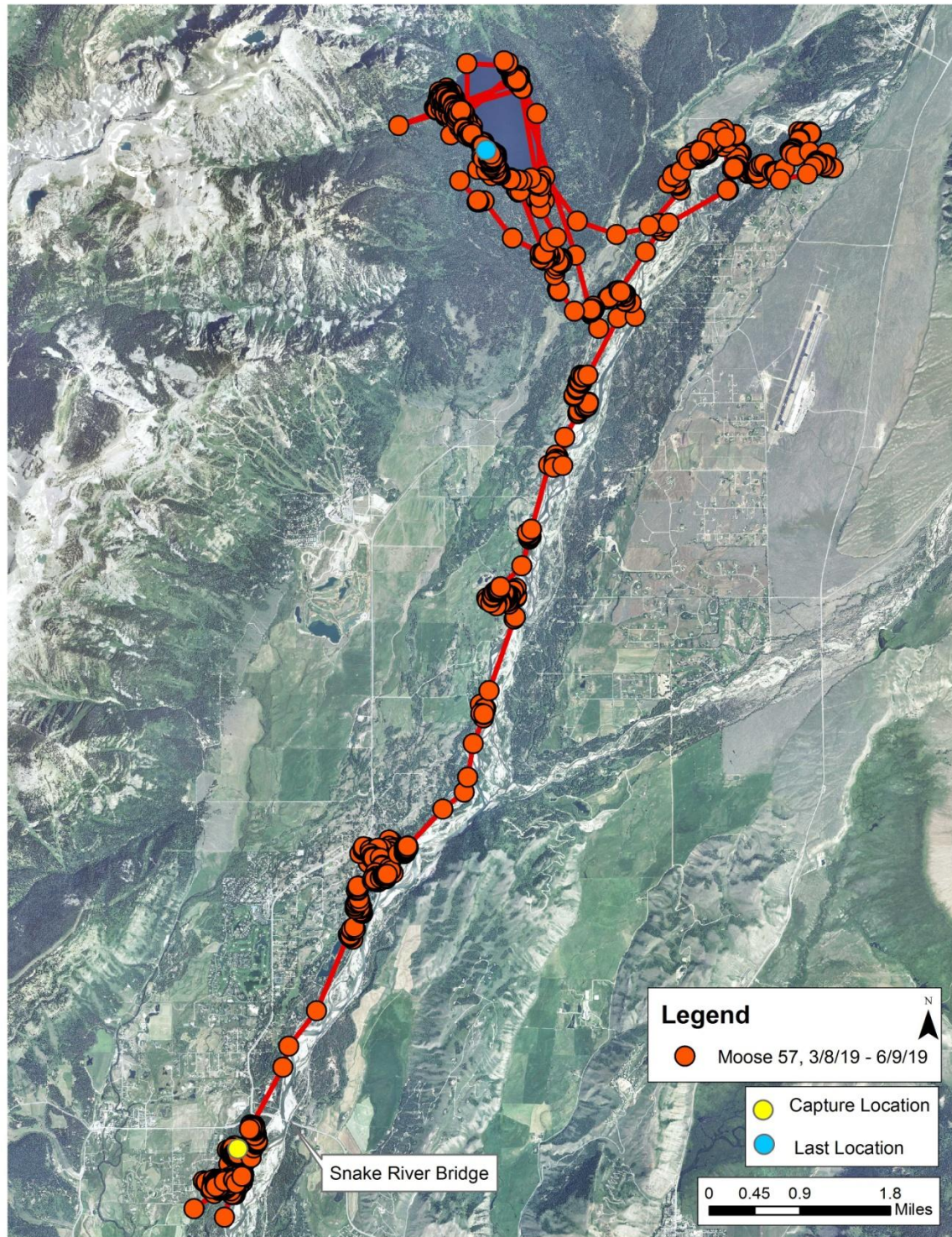


Figure 7. Movements of Moose #57 from March 8 – June 9, 2019. This moose crossed Highway 22 once during this period during her spring migration to Grand Teton National Park. This moose was captured near Green Lane (yellow dot) and is currently on the shore of Phelps Lake (light blue dot).

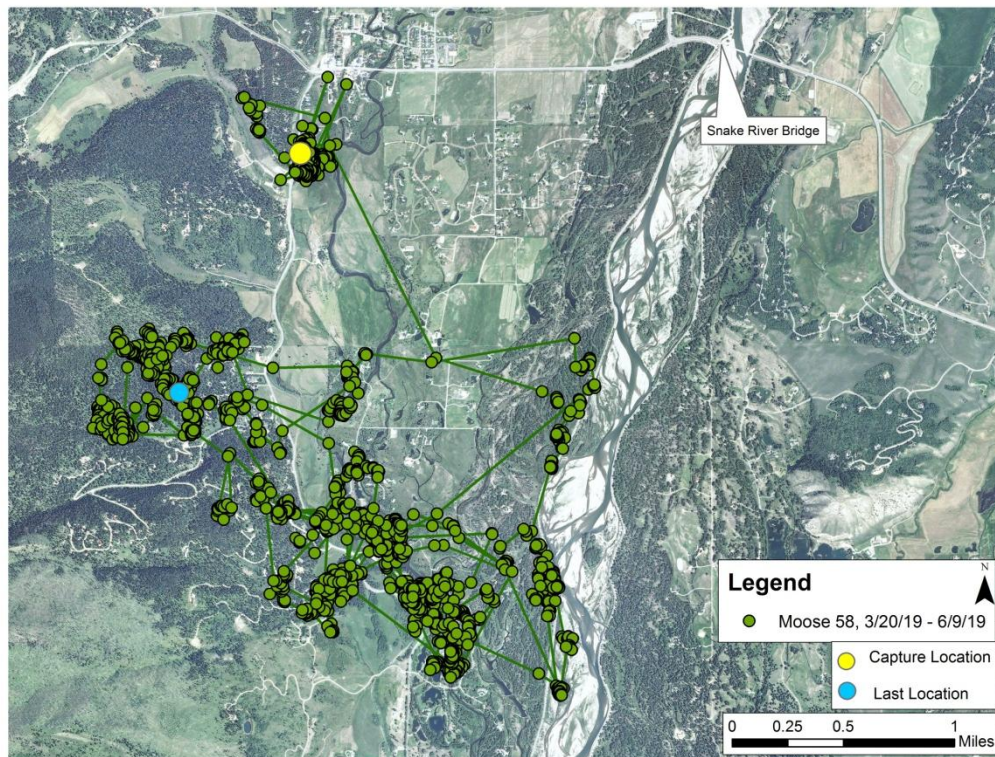


Figure 8. Movements of Moose #58 from March 20 – June 9, 2019. This moose has not crossed Highway 22 or 390 during this period. This moose was captured on south of Wilson (yellow dot) and is currently west of Fall Creek Road (light blue dot).

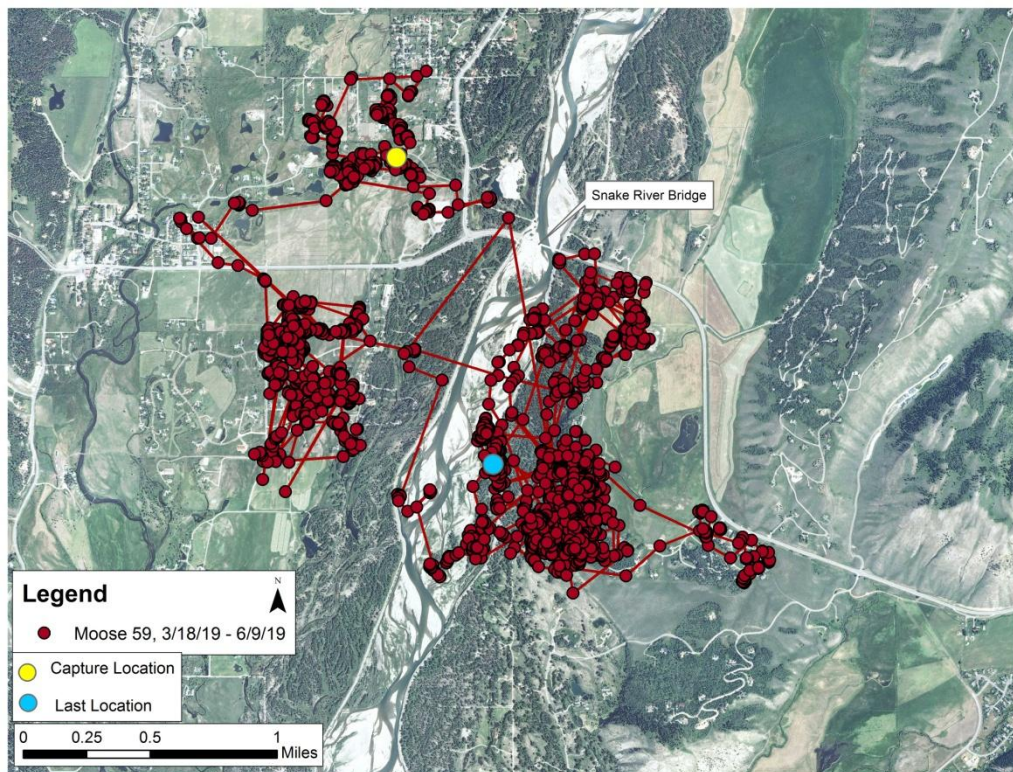


Figure 9. Movements of Moose #59 from March 18 – June 9, 2019. This moose crossed Highway 22 six times and Highway 390 two times during this period. This moose was captured in Stilson Ranch (yellow dot) and is currently near the Snake River south of the bridge (light blue dot).

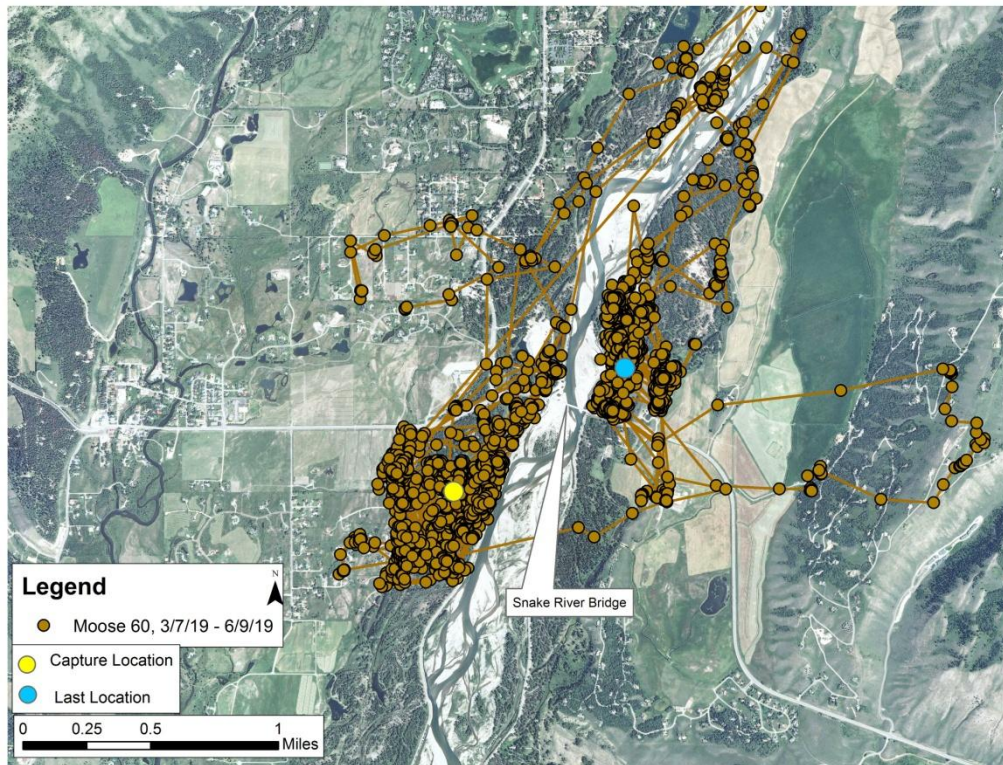


Figure 10. Movements of Moose #60 from March 7 – June 9, 2019. This moose crossed Highway 22 twenty-four times and Highway 390 eight times during this period. This moose was captured near Green Lane (yellow dot) and is currently near Emily Steven’s Park on the east side of the Snake River (light blue dot).

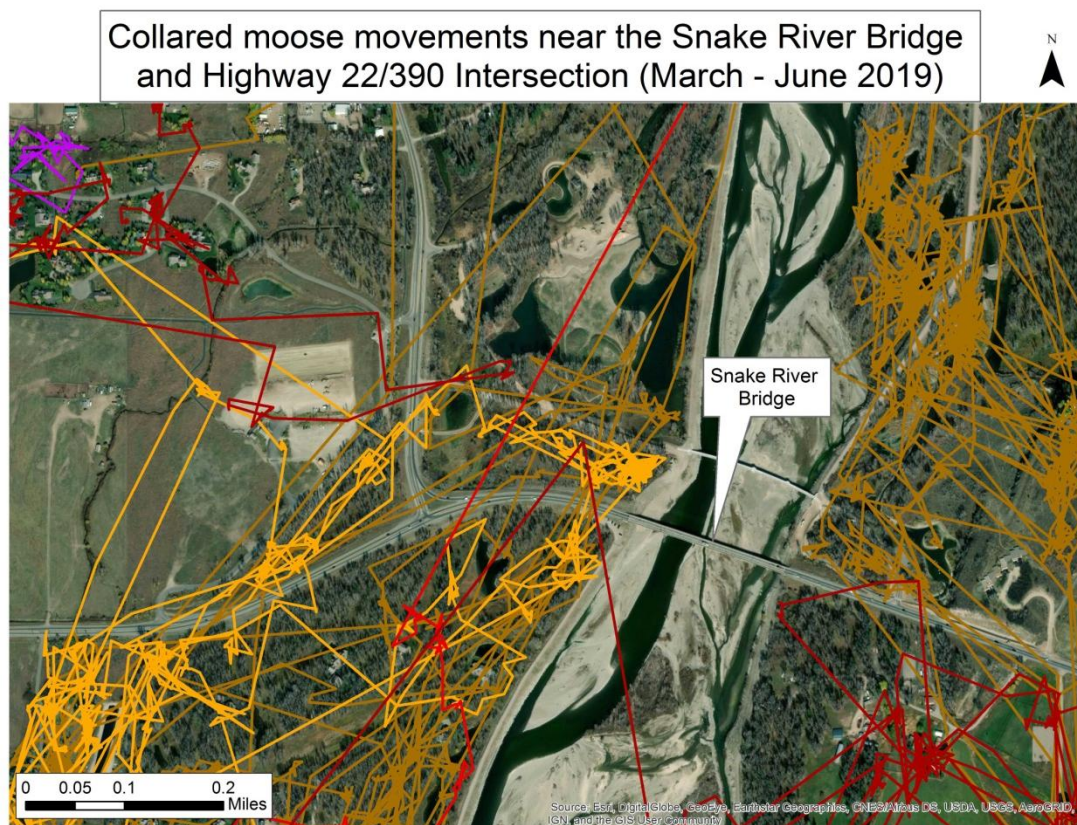


Figure 11. Movements of collared moose (each colored line is a different individual moose) in the vicinity of the Snake River Bridge and Highway 22/390 intersection from March 7 – June 9, 2019.