

Selkirk and Cabinet-Yaak Grizzly Bear Monitoring

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- 2026 capture and monitoring program
- 2025-26 mortality
- 2024 genetics results
- Bog Creek monitoring
- Other projects



2026 Capture Efforts

- Capture team each: Selkirks, Yaak, and Cabinets
- Selkirks team worked in both WA and ID and had 7 GB visits but no captures. IDFG captured 2 males
- Cabinets team had 4 captures of 3 subadults (2F, 1M) and 1 Adult Female
- Yaak team had 8 captures of subadults (2F, 6M)



2026 Telemetry Monitoring

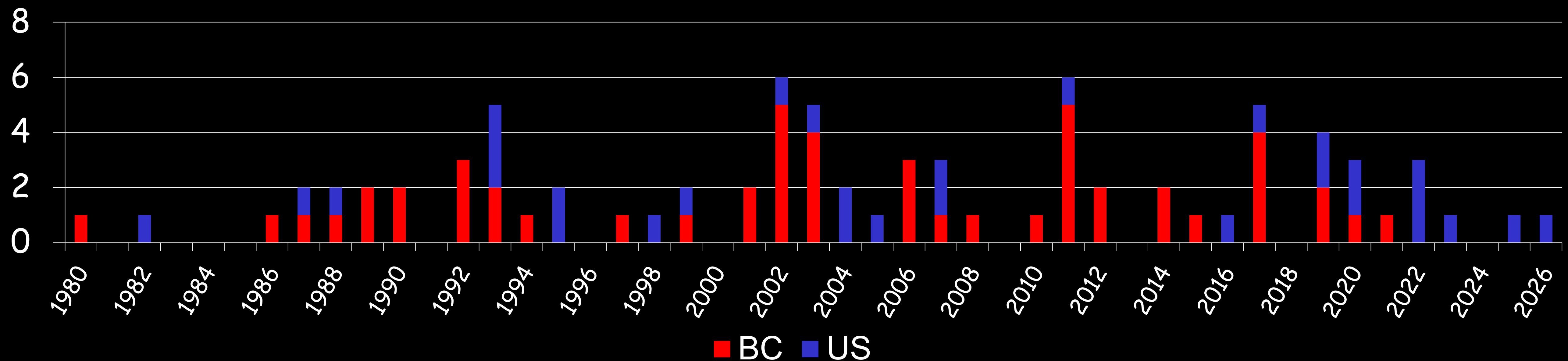
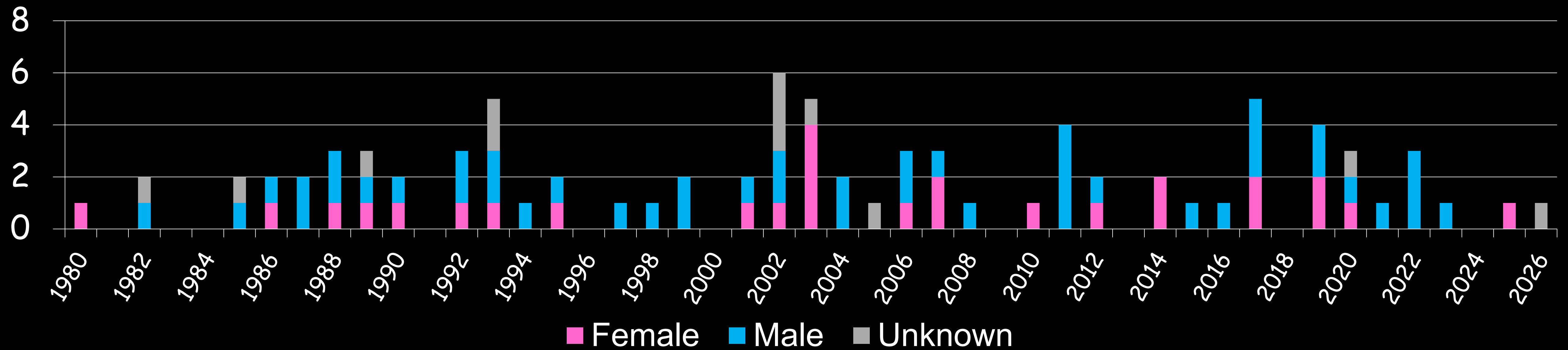
- Selkirks: 3 Males (1 in BC and 2 collared by IDFG)
- Cabinets 5 females, 3 males
- Yaak 3 Females and 6 Males
- Two males in the Cabinets have malfunctioning collars that are not sending coordinate data but providing a VHF signal





Selkirk Known Human Caused Grizzly Bear Mortality

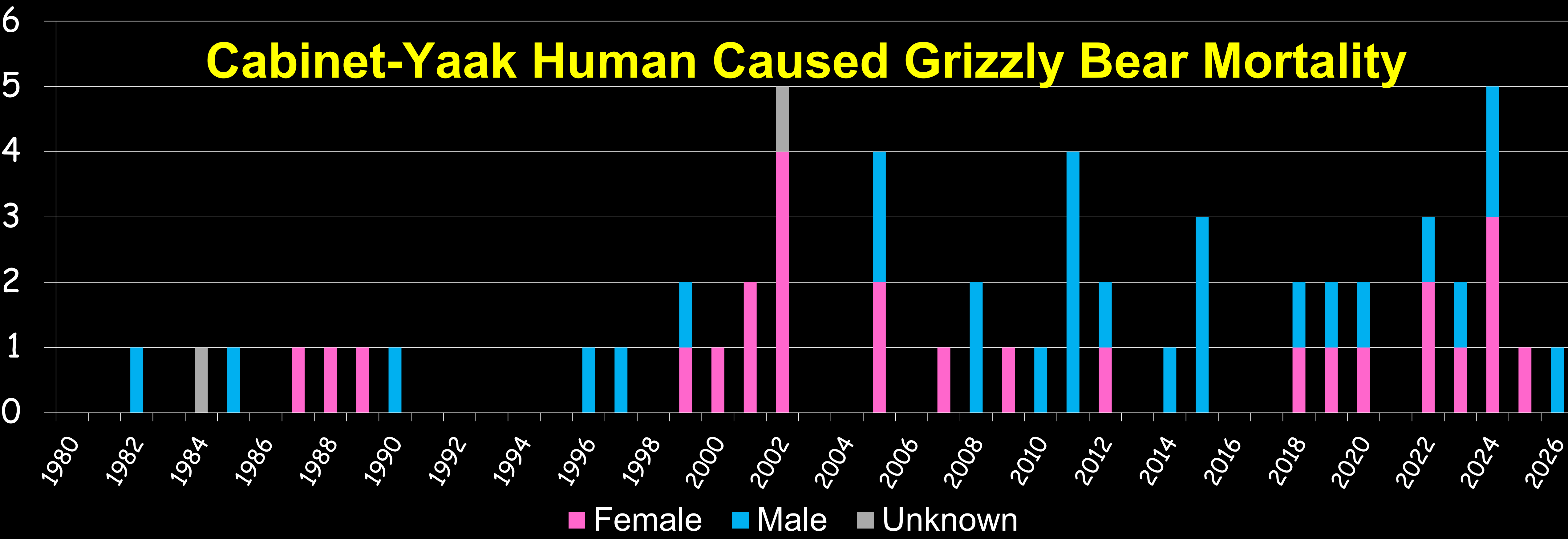
- One mistaken Identity mortality of a subadult female in 2025
- 3 known mortalities in 2026 (Train collision and 2 under investigation by IDFG)





Known Cabinet-Yaak Grizzly Bear Mortality

- Yaak Subadult female probable human caused mortality from 2024 not known until 2025
- Yaak Adult female human caused mortality
- Cabinets Subadult male natural mortality
- 2026 Adult male mistaken identity black bear hunter



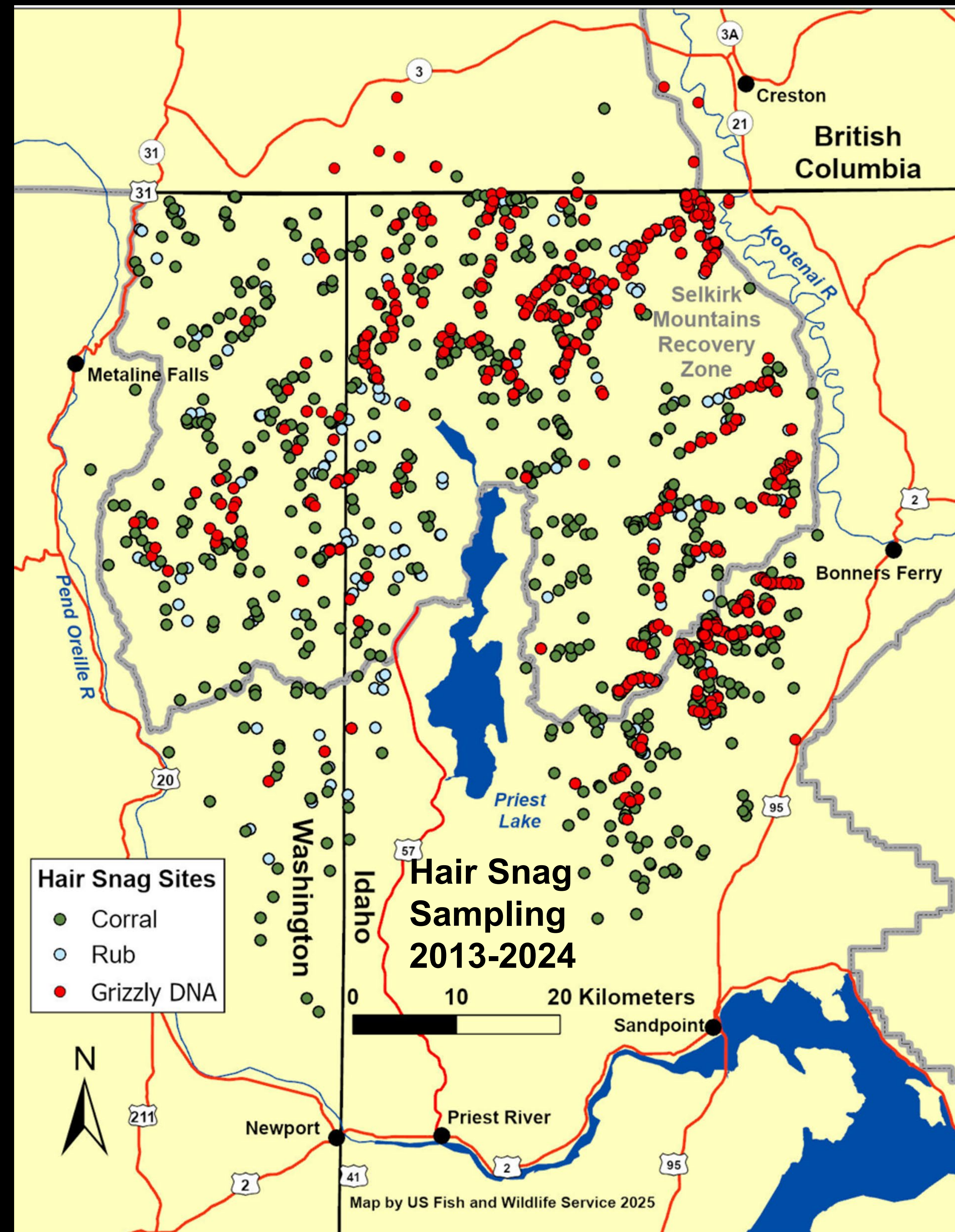
Genetic Sampling

- Hair samples from captures, rub trees and corrals with cameras
- We get species, sex, individual genotype, and parentage
- Document gene flow and effective linkage in support of recovery for both Cabinet-Yaak and Selkirk



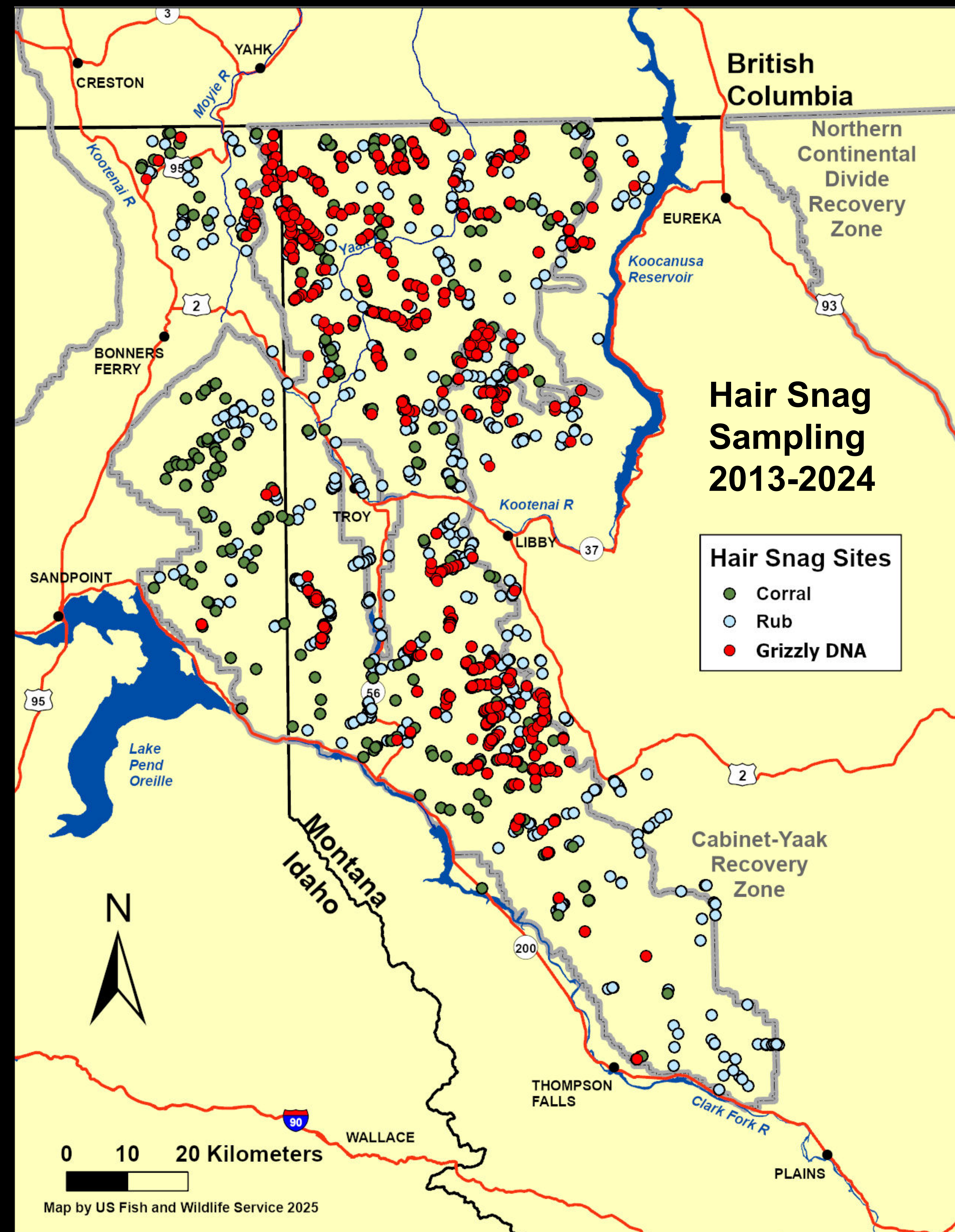
2020-24 Selkirk Hair Snag Population Estimation

- 2020 – 44 bear
- 2021 – 49 bears
- 2022 – 51 bears
- 2023 – 57 bears
- 2024 – 50 bears
- Effort was variable year to year
- Population reconstruction based on known ages and identification from genetics allows us to estimate population size in the past. If a bear is 10 years old and identified only in 2023 it was probably alive and present in previous years. We know ages of more than 95% of the bears in this sample. We subtract mortality and emigration.
- Population minimum = 54 in 2021

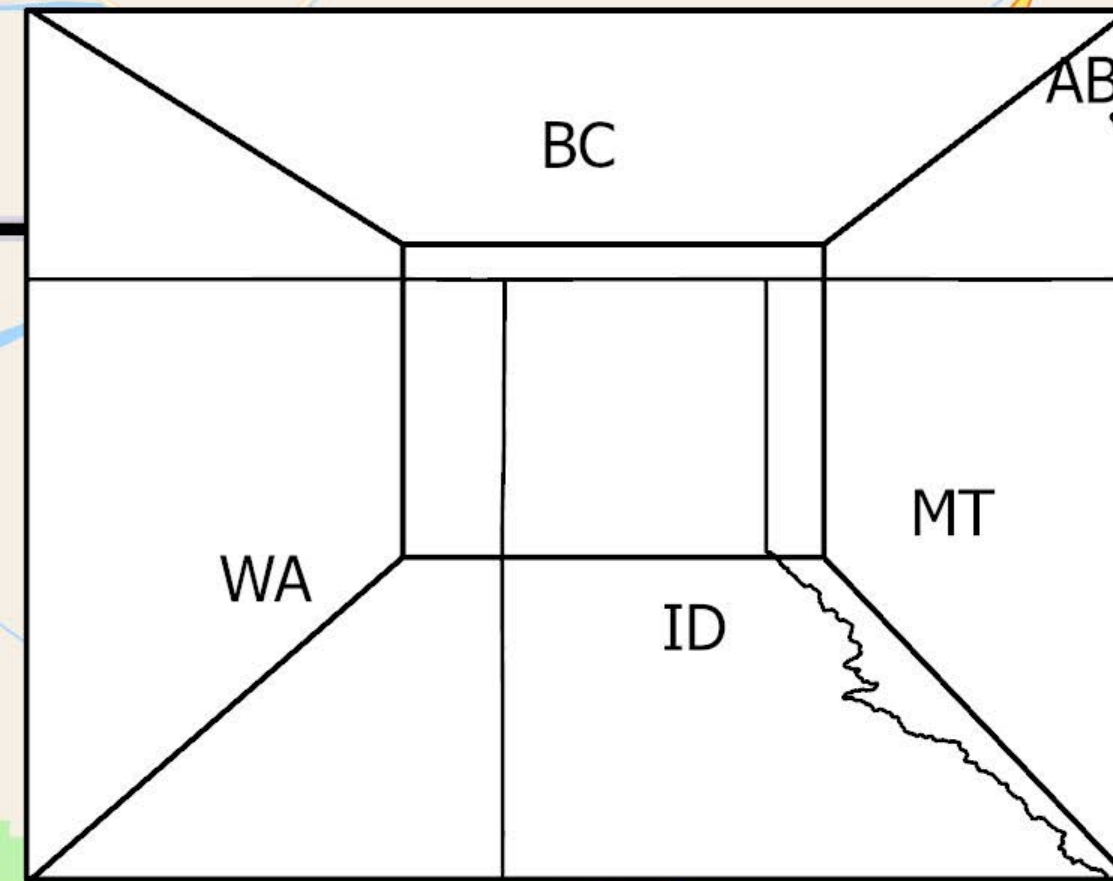


2020-24 Cabinet-Yaak Hair Snag Population Estimation

- 2020 – 46 bear
- 2021 – 49 bears
- 2022 – 55 bears
- 2023 – 58 bears
- 2024 – 52 bears
- Effort was variable year to year
- Population reconstruction based on known ages and identification from genetics allows us to estimate population size in the past. If a bear is 10 years old and identified only in 2023 it was probably alive and present in previous years. We know ages of more than 95% of the bears in this sample. We subtract mortality and emigration.
- Population minimum = 71 in 2021



Bog Creek Monitoring



**Border Patrol rebuilt
5.5 miles of closed
road in Bog Creek to
allow access to the
Priest Lake Basin from
Boundary Creek**

Legend

-  Bog Creek Study Area
-  State Lines

0 34 68 Kilometers

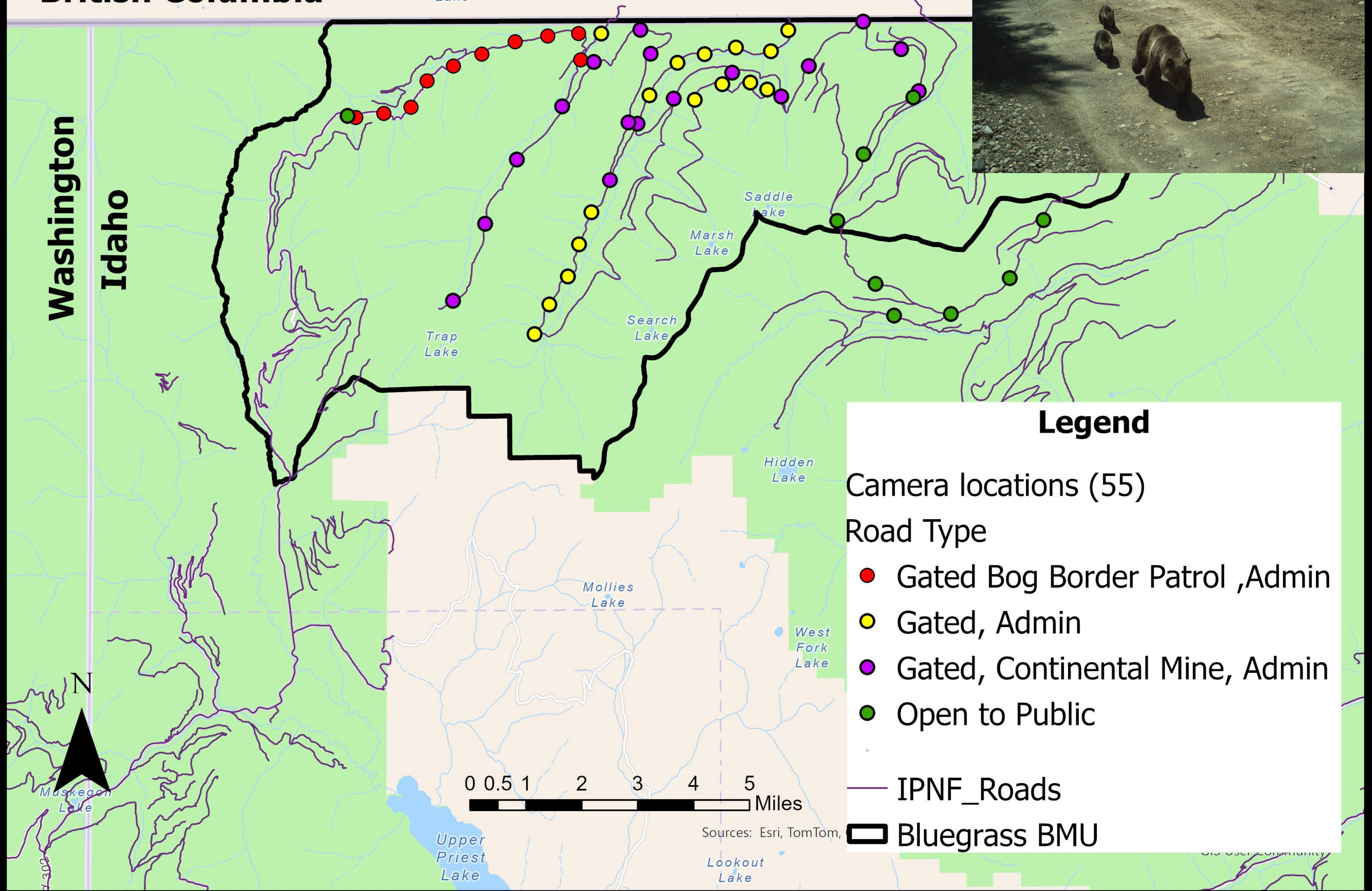


Coeur d'Alene National Forest

Sources: Esri, TomTom, Garmin, Safegraph, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Bog Creek Monitoring

British Columbia



Legend

Camera locations (55)

Road Type

- Gated Bog Border Patrol ,Admin
- Gated, Admin
- Gated, Continental Mine, Admin
- Open to Public

— IPNF_Roads

▬ Bluegrass BMU

Sources: Esri, TomTom,

Other Projects

- **Huckleberry Habitat and Its Influence on Two Small Populations of Grizzly Bears (*Ursus arctos*). Teisberg et. Al. 2026 Ecology and Evolution**
- **Habitat mapping U. of Idaho Graduate Student Nate Rice defense in mid November 2026**
- **An Energetic Tradeoff Best Explains Parturition Timing in Grizzly Bears. Costello et. al. 2026 Ecology and Evolution**
- **Detecting occurrence and timing of grizzly bear parturition based on anomalies in accelerometer data. Roberts et.al. 2026 *Ursus***
- **Selkirk Transboundary population estimate with Michael Proctor. Contractor has finished work, with expected journal submission in 2027**



Thank you. Questions???

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