

Selkirk and Cabinet-Yaak Grizzly Bear Monitoring

Wayne Kasworm, Thomas Radandt, Justin Teisberg, USFWS

Michael Proctor, Birchdale Ecological

2022-08-15 4:06:22 PM

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72°F

- 2022 Field Season Capture results 13 bears
- 2021 Genetics summary
- 2022 Mortality summary



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RECONYX

Selkirks 2022 Washington Captures

- Two 2 year-old females and a male sibling (90-100 lbs) caught later, all part of one litter
- 4 year-old male (280 lbs)



Selkirks 2022 Idaho Captures

- 2 year-old female (130 lbs)
- 10 year-old female (200 lbs)



Cabinets 2022 Captures

- 3 year-old female (125 lbs), 6 year-old male (350 lbs), 25 year-old female (200 lbs, first detected augmentation offspring born 1997)



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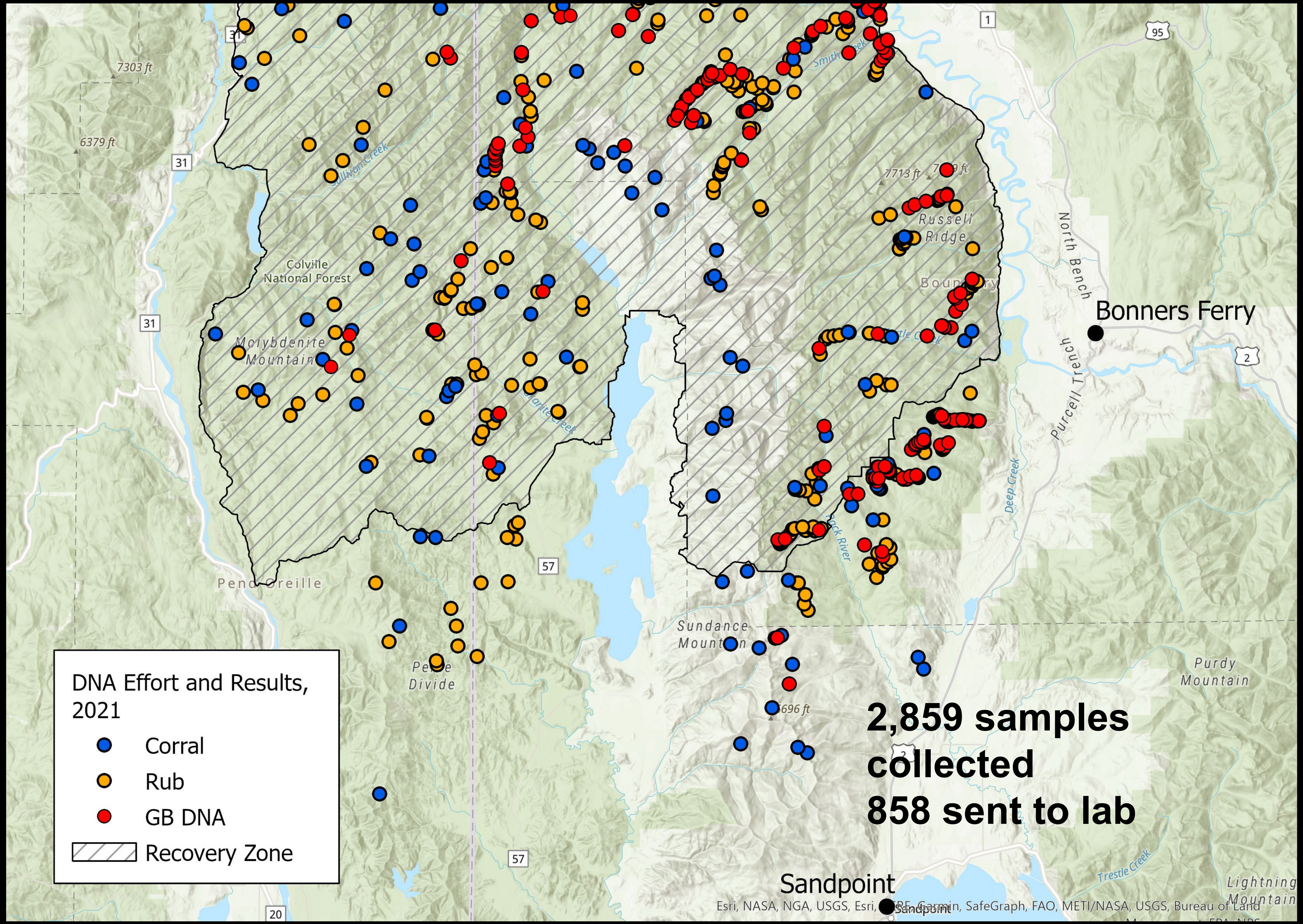
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RECONYX

Yaak 2022 Captures

- Two 2 year-old males (140 lbs), 4 year-old female (260 lbs) and 2 year-old female (175 lbs, sibling of one of the 2 year-old males)





DNA Effort and Results, 2021

- Corral
- Rub
- GB DNA
- / / / / / Recovery Zone

2,859 samples collected
858 sent to lab

2021 Selkirk Individuals Identified by Method



8



10



6

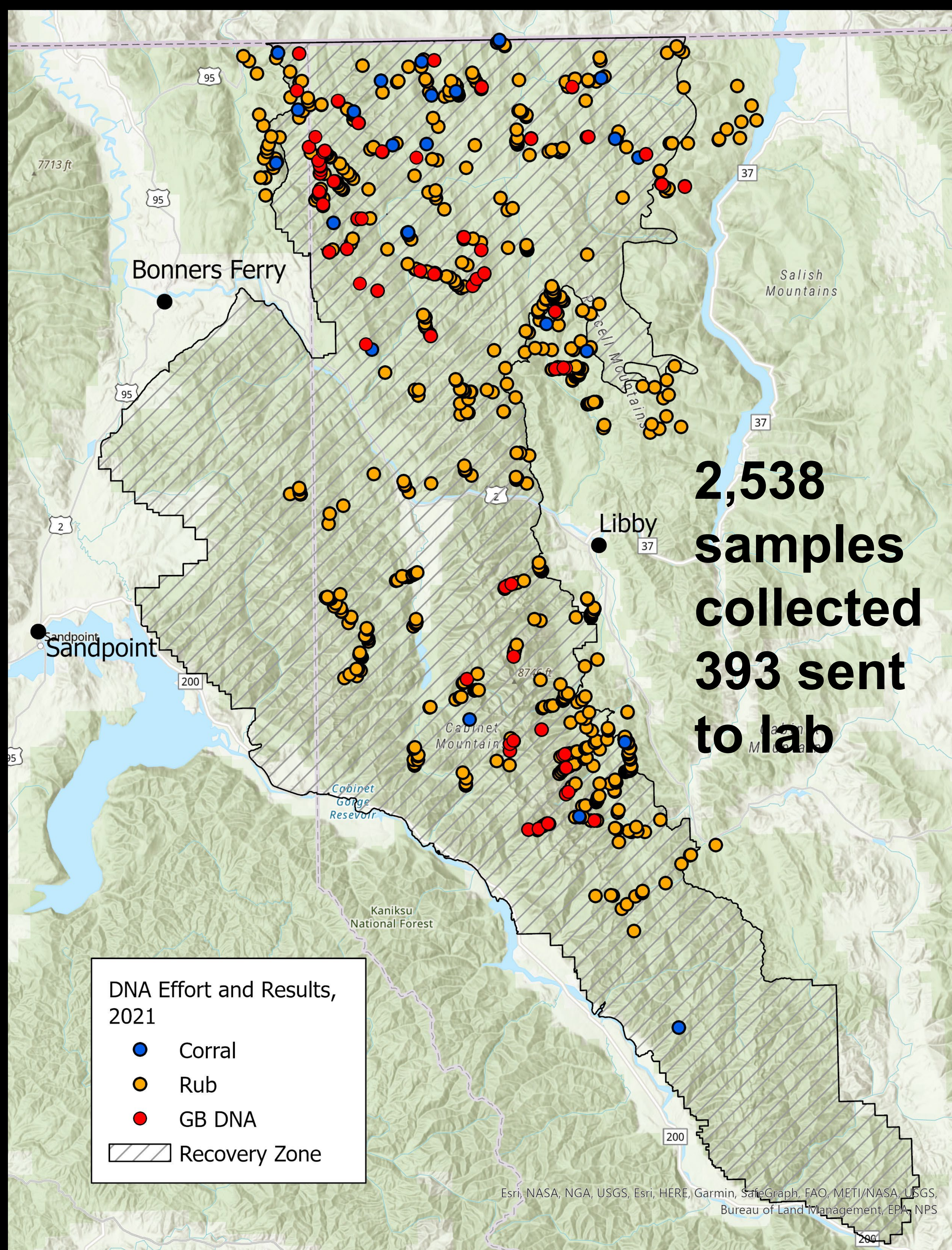
Corral = 18

Rub tree = 24

Opportunistic DNA
or Capture
or Collar
or Mortality = 15

2956 Samples
521 Grizzly
39 Individuals
13 F: 26 M
36 in 2020





2,538
samples
collected
393 sent
to lab

DNA Effort and Results, 2021

- Corral
- Rub
- GB DNA
- ▨ Recovery Zone

Esri, NASA, NGA, USGS, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, Bureau of Land Management, EPA, NPS

2021 Cabinet-Yaak Individuals Identified by Method



Corral = 11

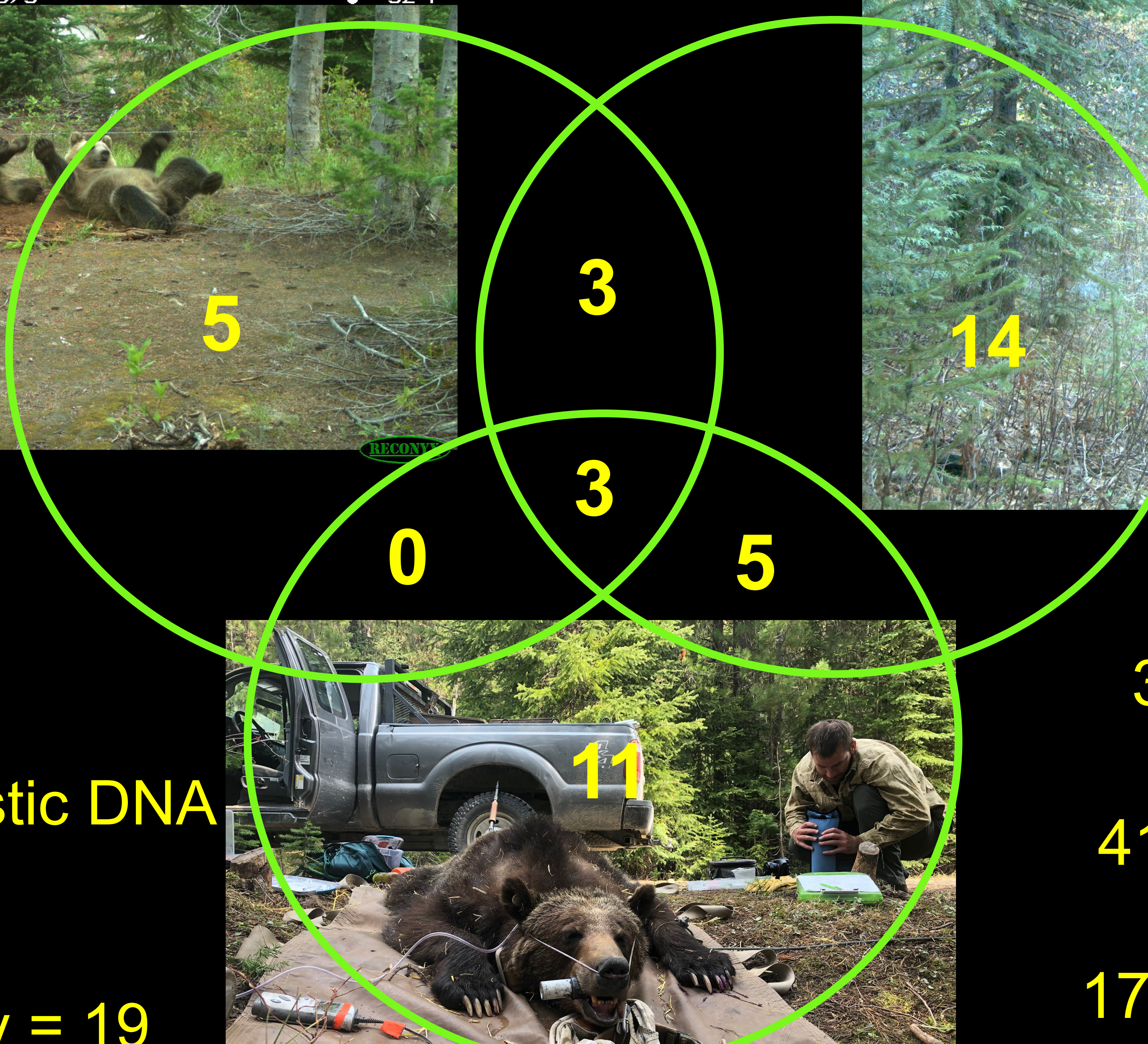
Opportunistic DNA
or Capture
or Collar
or Mortality = 19



Rub tree = 25



384 samples
198 Grizzly
41 Individuals
19 F: 22 M
17 CAB : 24 YK
41 in 2020



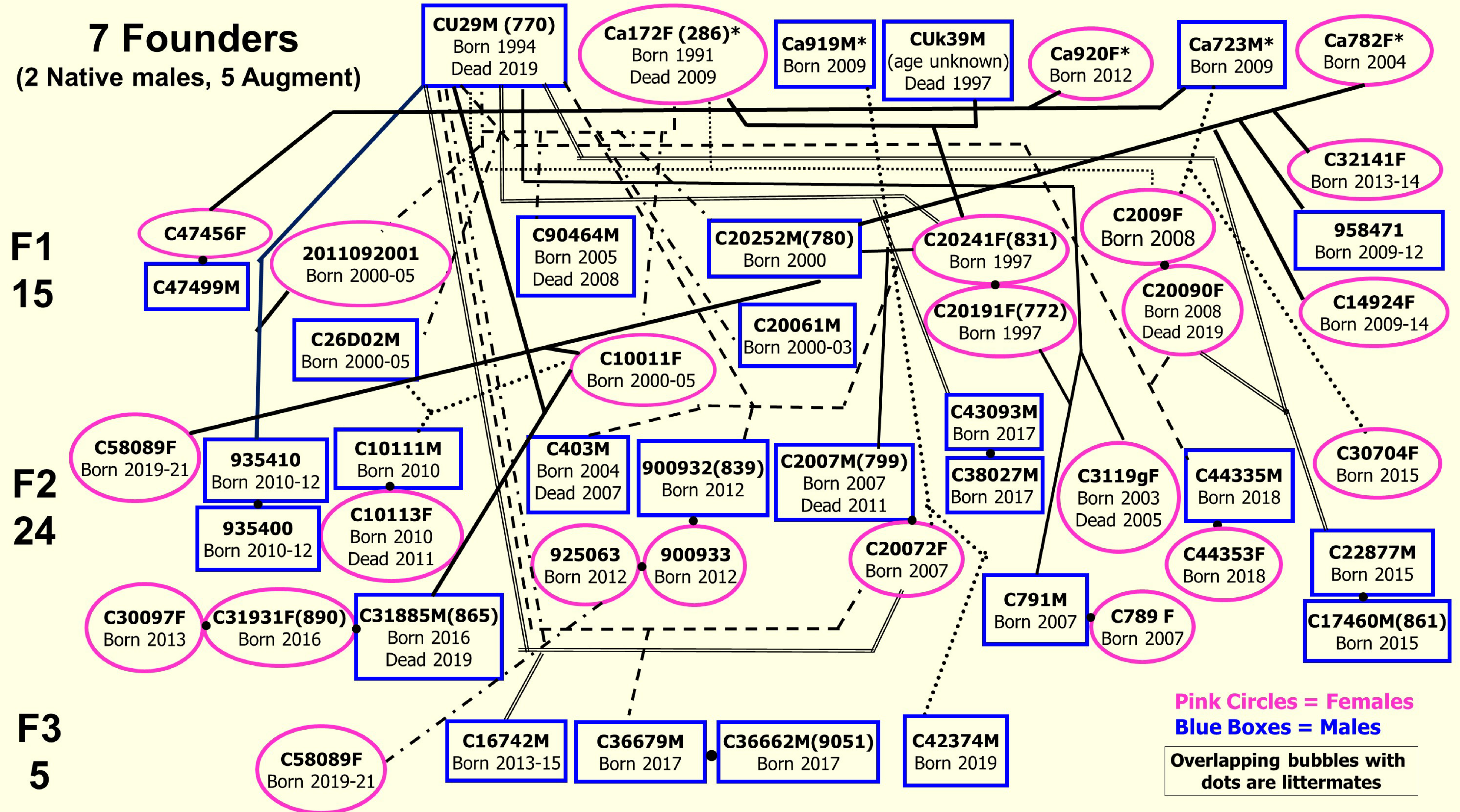
Augmentation Grizzly Bear DNA Family Tree for the Cabinet Mountains, 1990-2021

Bears CU29M and CUK39M are Native Cabinet Mountains Males identified prior to Augmentation

(* Augmentation bears released in the Cabinet Mountains: Bear 286 in 1993, Bear 782 in 2006, Bear 723 in 2011, Bear 919 in 2013, Bear 920 in 2014)

7 Founders

(2 Native males, 5 Augment)



Selkirk 2022 Known Mortality

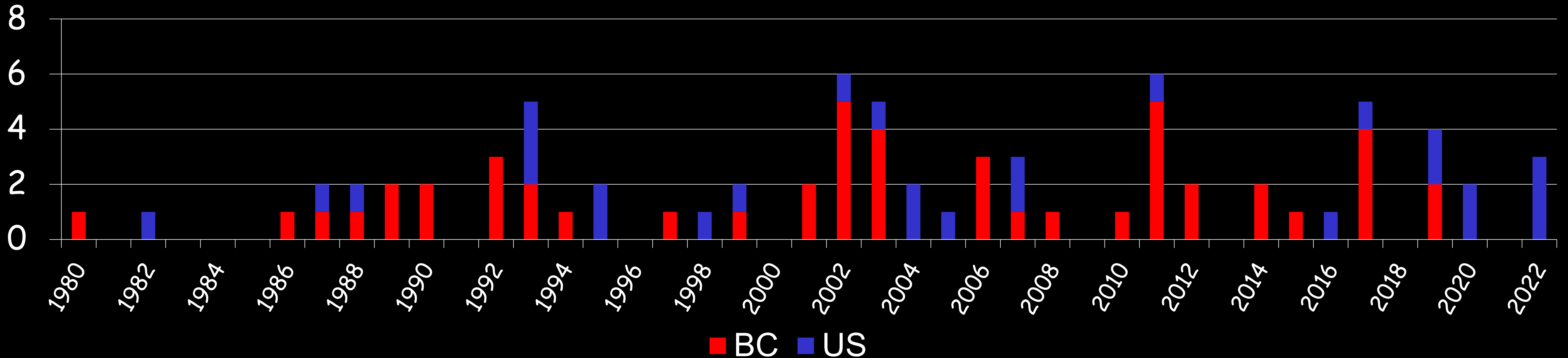
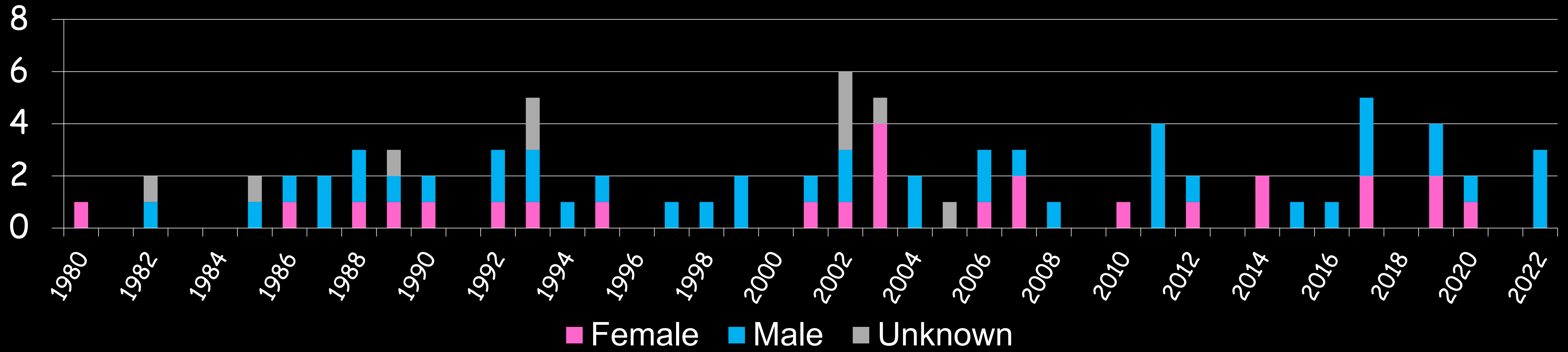
- Subadult male (Self defense), a six year-old male (570 lbs) and a 5 year-old male (470 lbs). Both Management removals.
- No BC reports yet





Selkirk Human Caused Grizzly Bear Mortality

- 3 Male mortalities during 2022
- Awaiting BC mortality information



Cabinet-Yaak 2022 Known Mortality

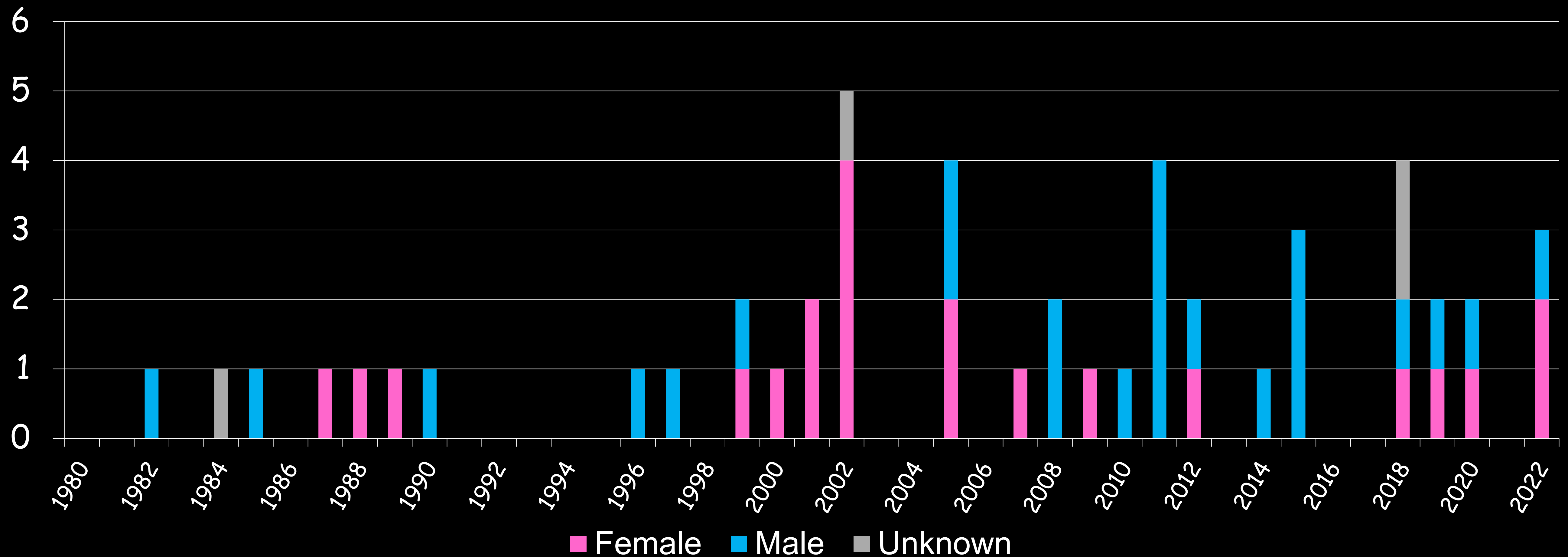
- 1 subadult female (Management removal Cabinets), 2 adult females (Highway collision and Unknown but believed natural cause Cabinets), 1 adult male (Defense of property, Yaak),



Cabinet Yaak Human Caused Grizzly Bear Mortality



- 3 Female and 1 Male Known mortality in 2022, but one Female believed to be a natural mortality



Thank you. Questions???

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