

Selkirk and Cabinet-Yaak Grizzly Bear Monitoring

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- 2022 Recovery Plan Metrics, Females with young and Mortality
- Population trend
- 2023 Fieldwork Plans



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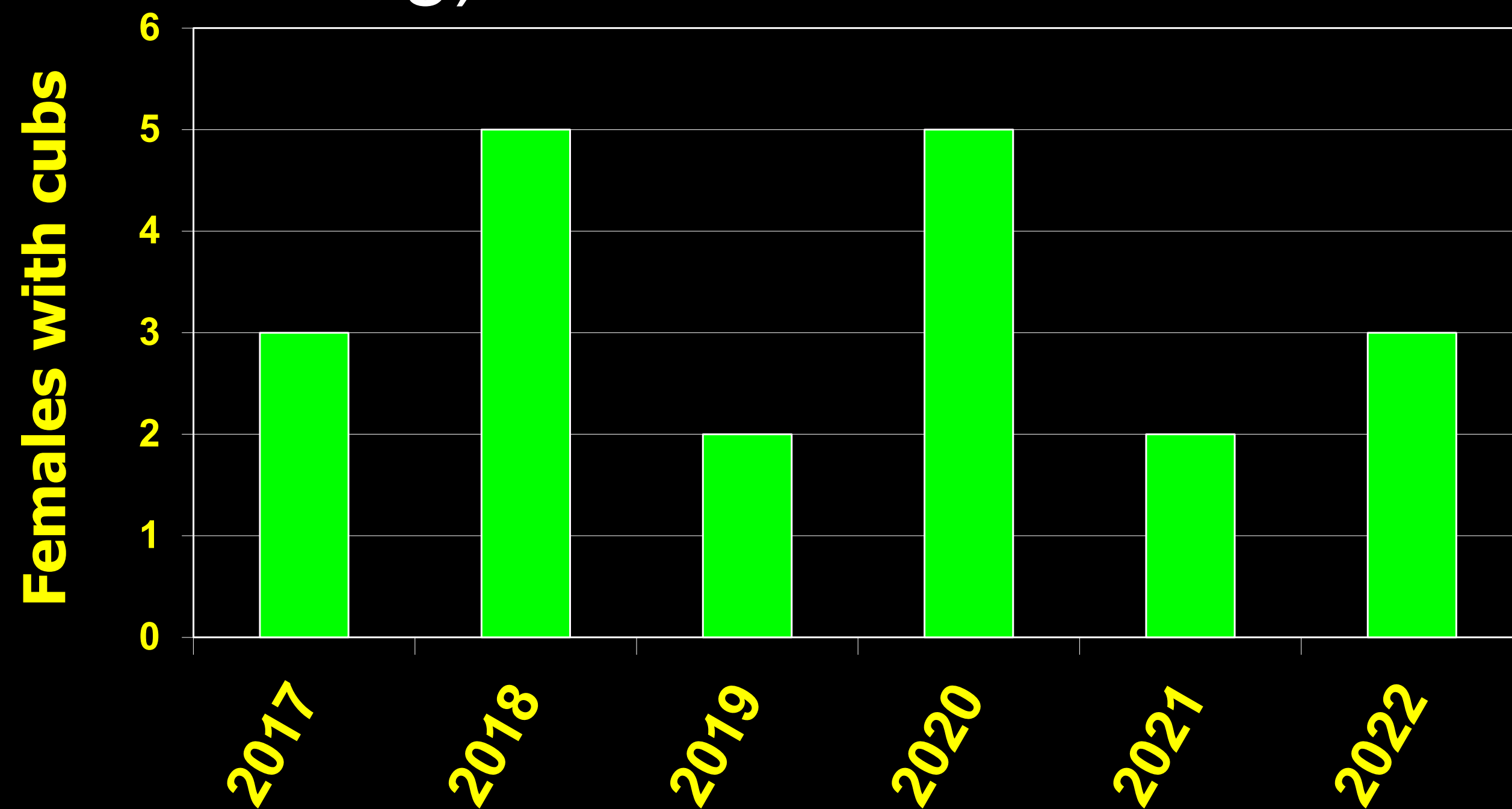
Recovery plan demographic targets

- Average 6 females with cubs (FWC) for last 6 years
- Females with young occupy 18 of 22 CY BMUs or 7 of 10 US Selkirk BMUs or in last 6 years
- 4% Mortality limit based on last 3 years FWC and a minimum population estimate (female sublimit 30% of total)
- Demographic targets based on populations with gene flow (not isolated)
- There is no recovery plan target for a specific population size
- Based on the female with cub target the expected population about 90-100 bears

2022 Cabinet-Yaak

Females with cubs of the year (COY)

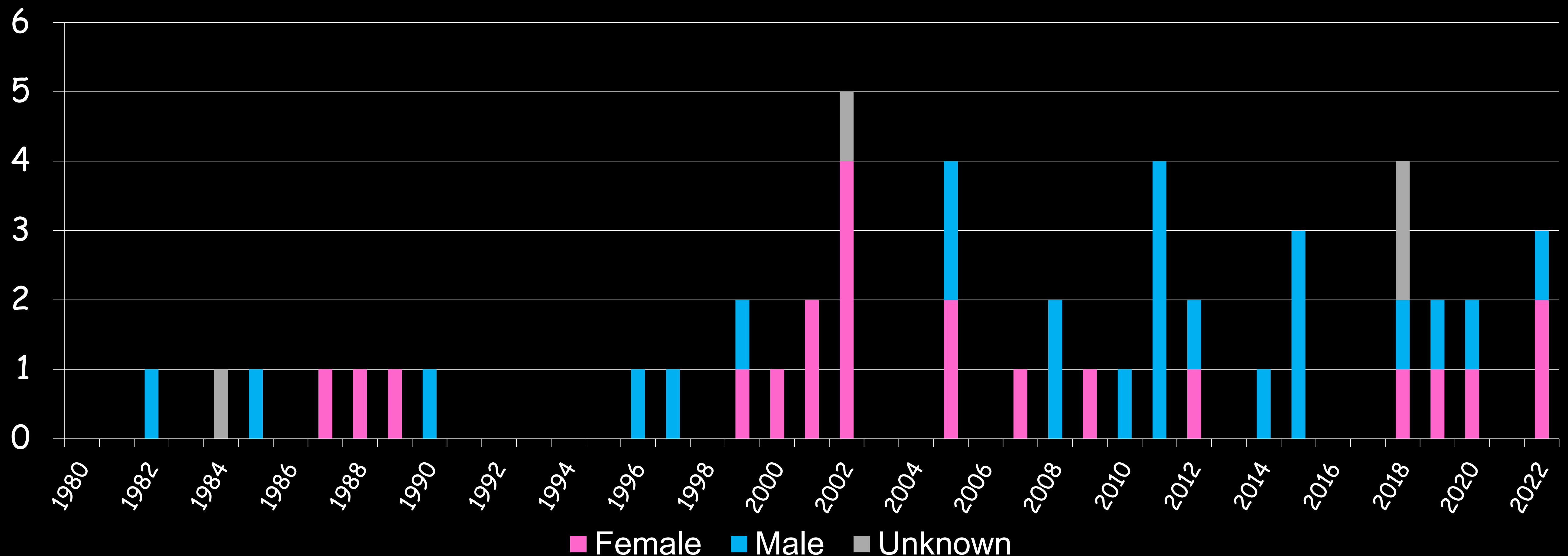
- Three unduplicated females with COY
- 3.3 females with cubs as 6-year average
Recovery Goal = 6.0
- 16 of 22 BMUs occupied (Goal 18 of 22)
- Annual growth rate from radio collared bears = 1.8% (70% probability stable to increasing)





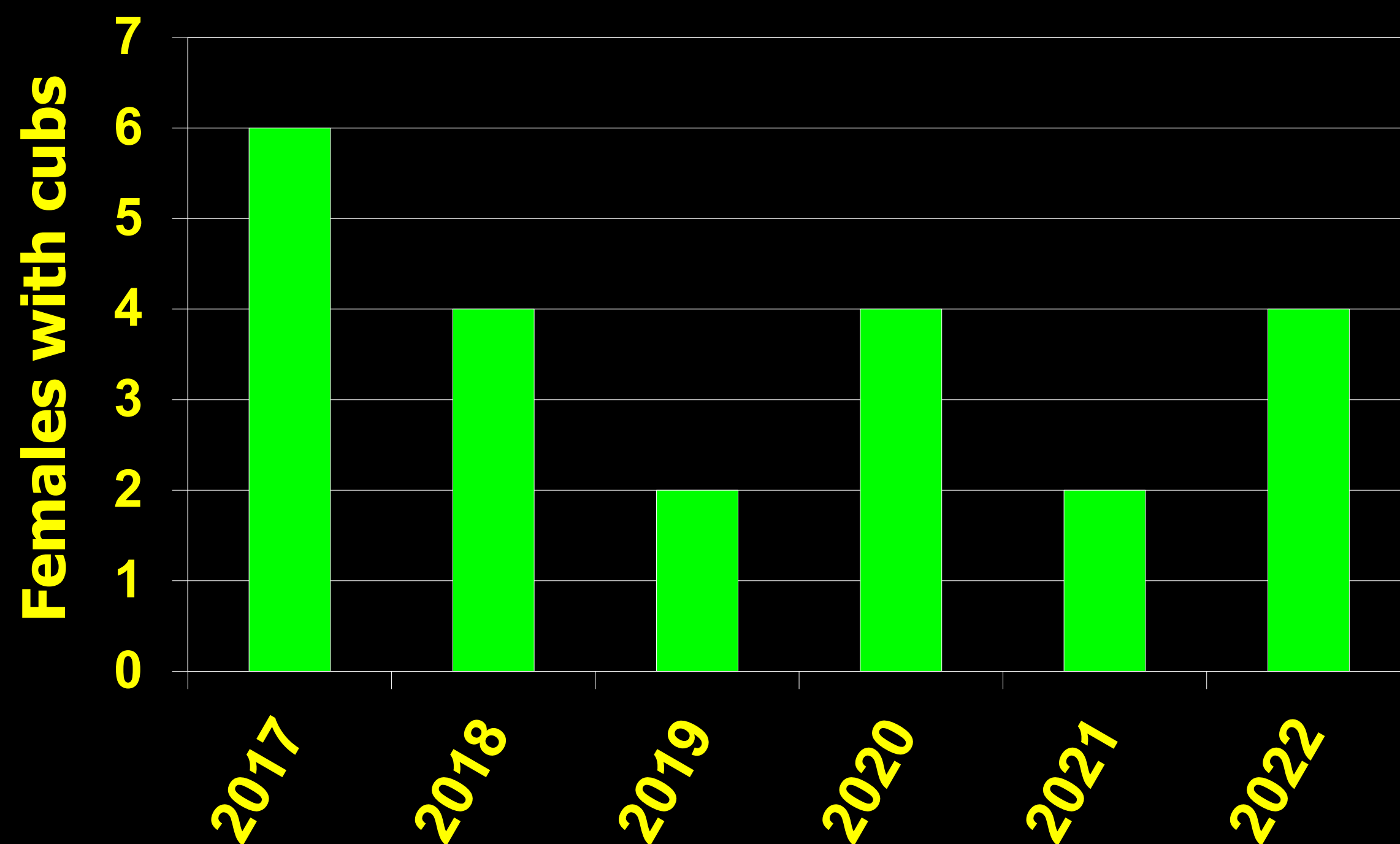
Cabinet-Yaak Human Caused Grizzly Bear Mortality

- 2017-22 = 9 (4M:5F) Human Caused (1.5 per year)
3.2% total mortality (Recovery Goal $\leq 4\%$)
- 2017-22 = 5 Female Mortalities (0.8 per year)
1.7% Female mortality (Recovery Goal $\leq 1.2\%$)



2022 Selkirk Females with cubs of the year (COY)

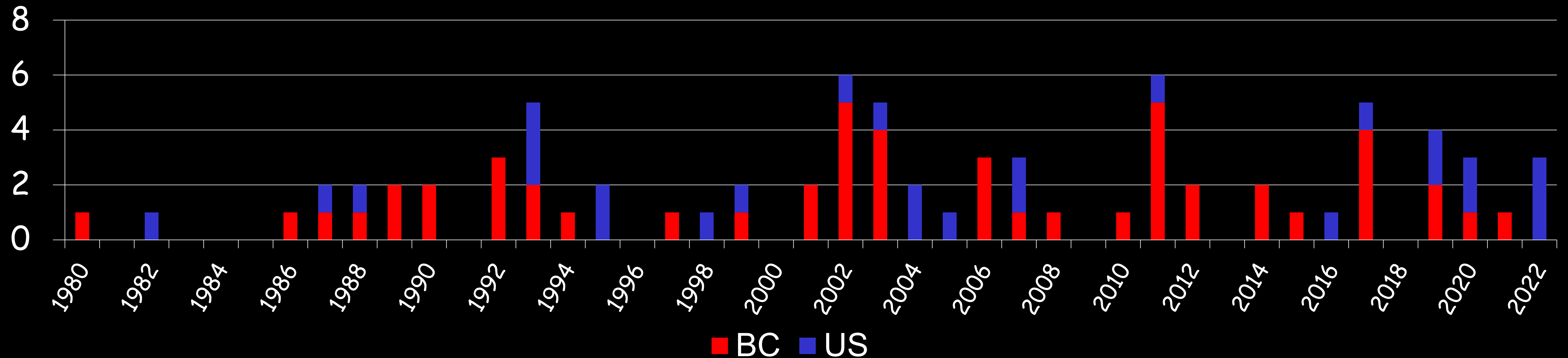
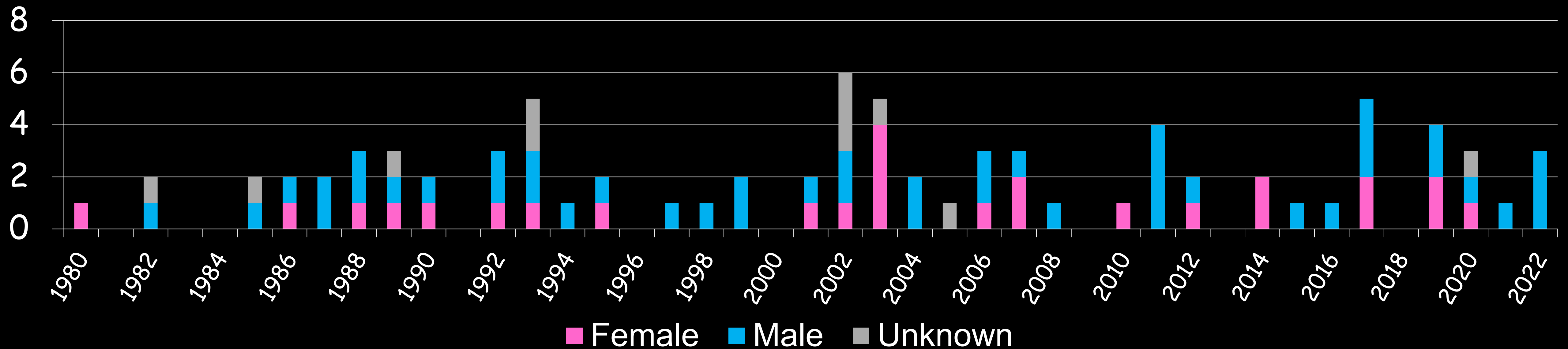
- Four unduplicated females with COY
- 3.7 females with cubs as 6-year average Recovery Goal = 6.0
- 9 of 10 BMUs occupied (Goal 7 of 10)
- Annual growth rate from radio collared bears = 2.6% (78% probability stable to increasing)





Selkirk Human Caused Grizzly Bear Mortality

- 2017-22 = 14 (9M:5F) Human Caused (2.7 per year)
5.3% total mortality (Recovery Goal $\leq 4\%$)
- 2017-22 = 5 Female Mortalities (0.8 per year)
1.6% Female mortality (Recovery Goal $\leq 1.2\%$)



2023 Field work Plans

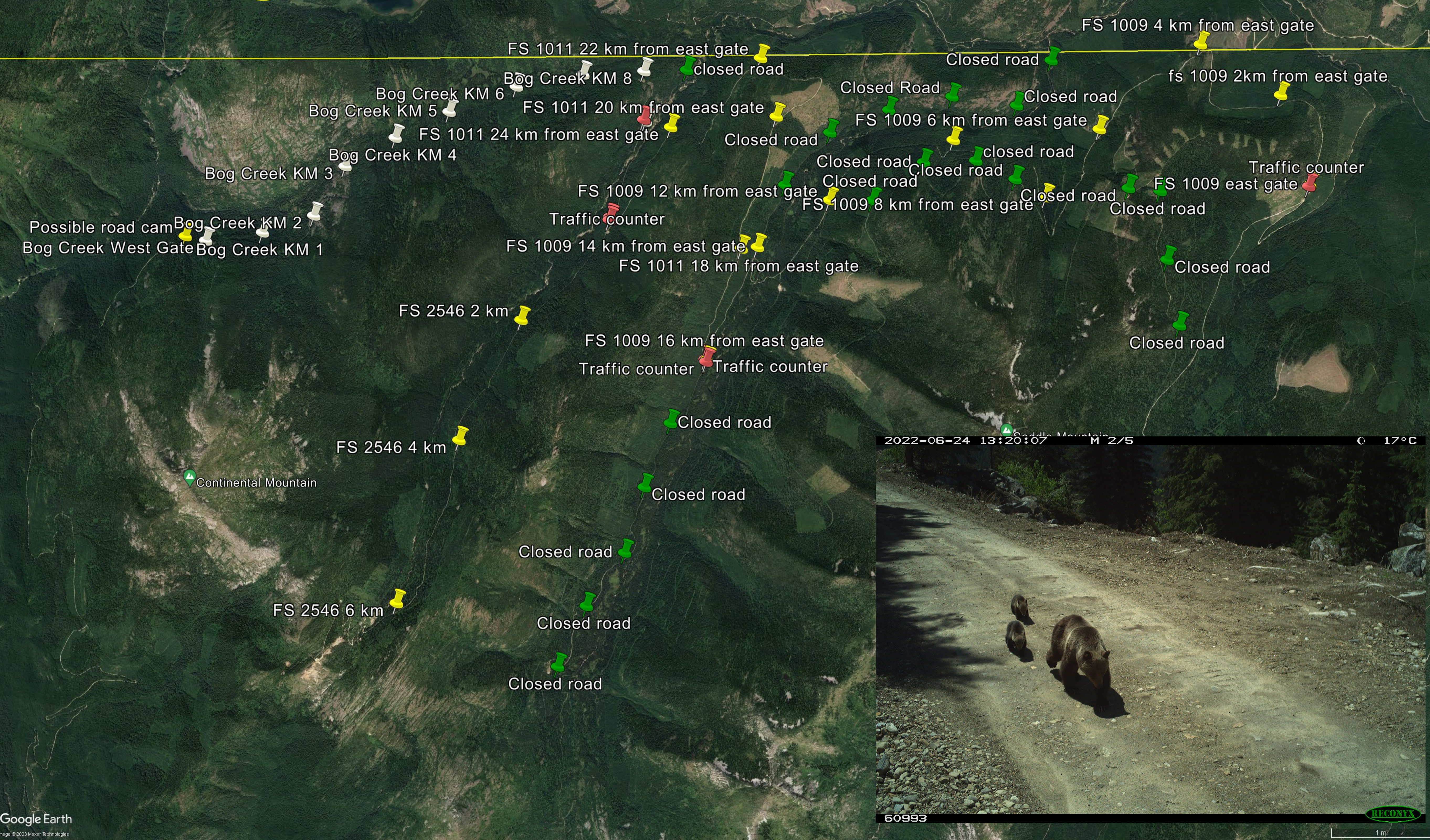
- Four trap teams: Yaak, Cabinets, WA June-July, ID July- August, Bog –Boundary in ID
- Four DNA teams: Yaak, Cabinets, Priest Lake, West Cabinets/East Selkirks



Legend

- Bog Creek
- Boundary Lake Recreation Site - Creston
- Closed
- FS
- Mountain
- Possible road cam
- Traffic counter

Bog Creek Trail Camera Sites



CYE Genetic Sampling Goals

- Reproductive success
- Distribution of adult females
- Gene flow into the CYE
- Augmentation success
- Genetic health database
- Future trapping reconnaissance
- Not currently analyzed for a population estimate or trend because effort and area of sampling has varied. We report the number of bears identified and call it the “minimum”
- Known fate monitoring to determine trend and apply to the 2012 estimate for current estimate



Thank you. Questions???

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