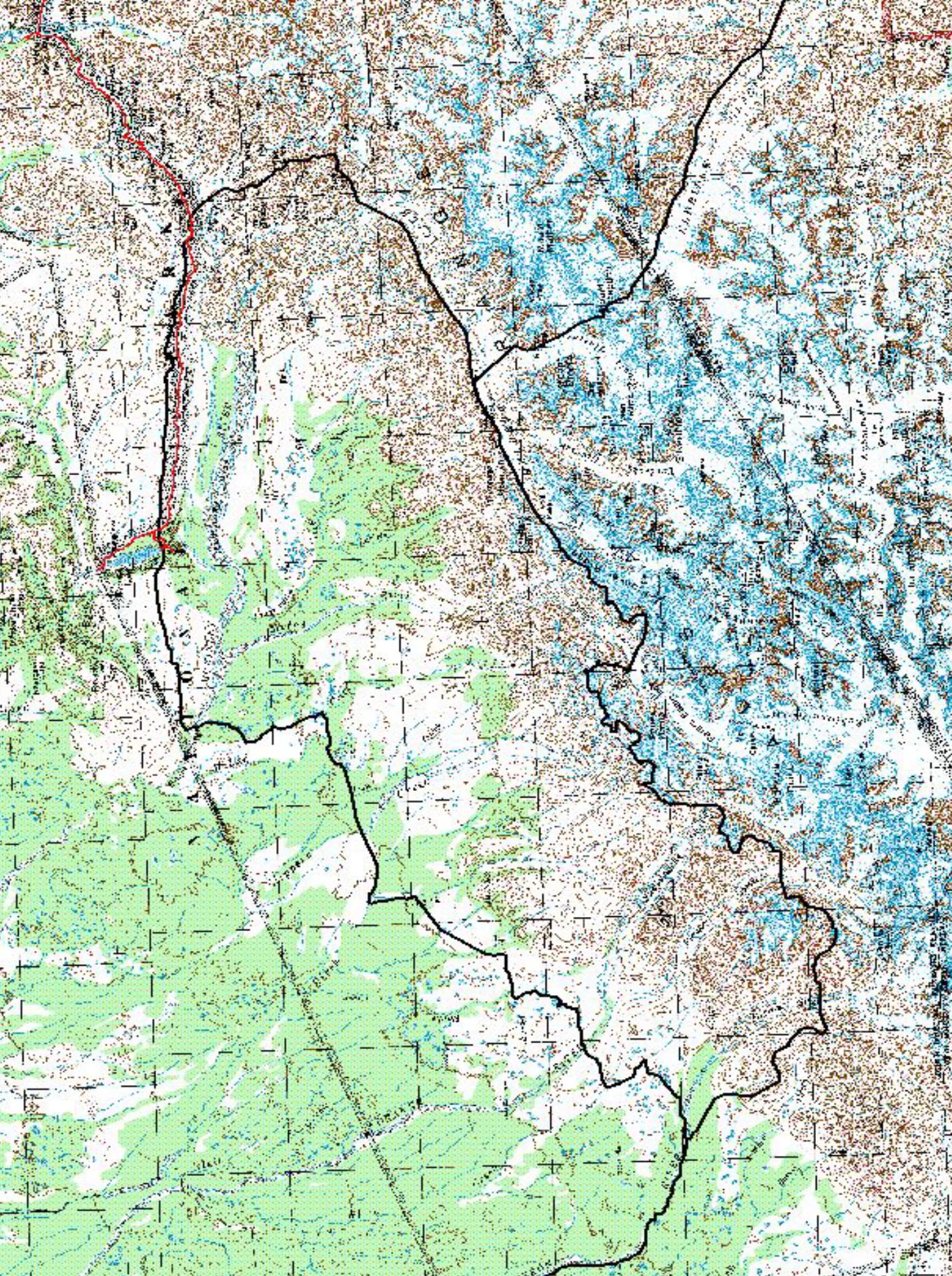


Grizzly Bear Population Ecology and Monitoring Study

Denali National Park and
Preserve

Why Grizzly Bears?

- Enabling legislation, GMP, RMP say so
- Opportunity to study an unharvested population
- Can provide information on seasonal habitat use in relation to human use
 - backcountry use
 - snowmachine use

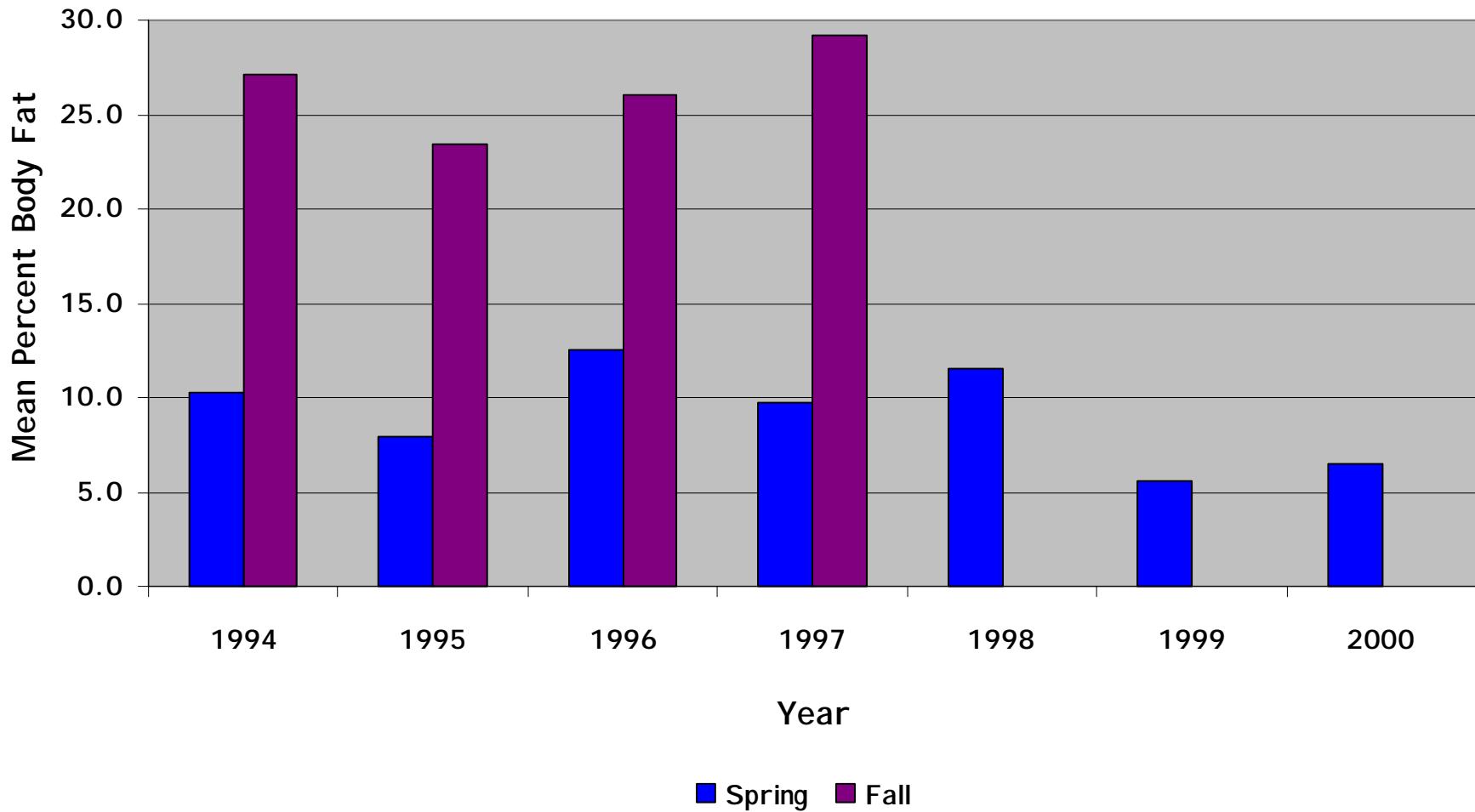


Data We've Collected

Capture:

- Nearly 300 captures of 82 individuals
- Weight and body measurements
- Premolar tooth for aging in all new bears
- Hair and blood samples
- Body fat measurement

Denali North Side Grizzly Bear Project
Mean Percent Body Fat of Independent Bears 1994-2000



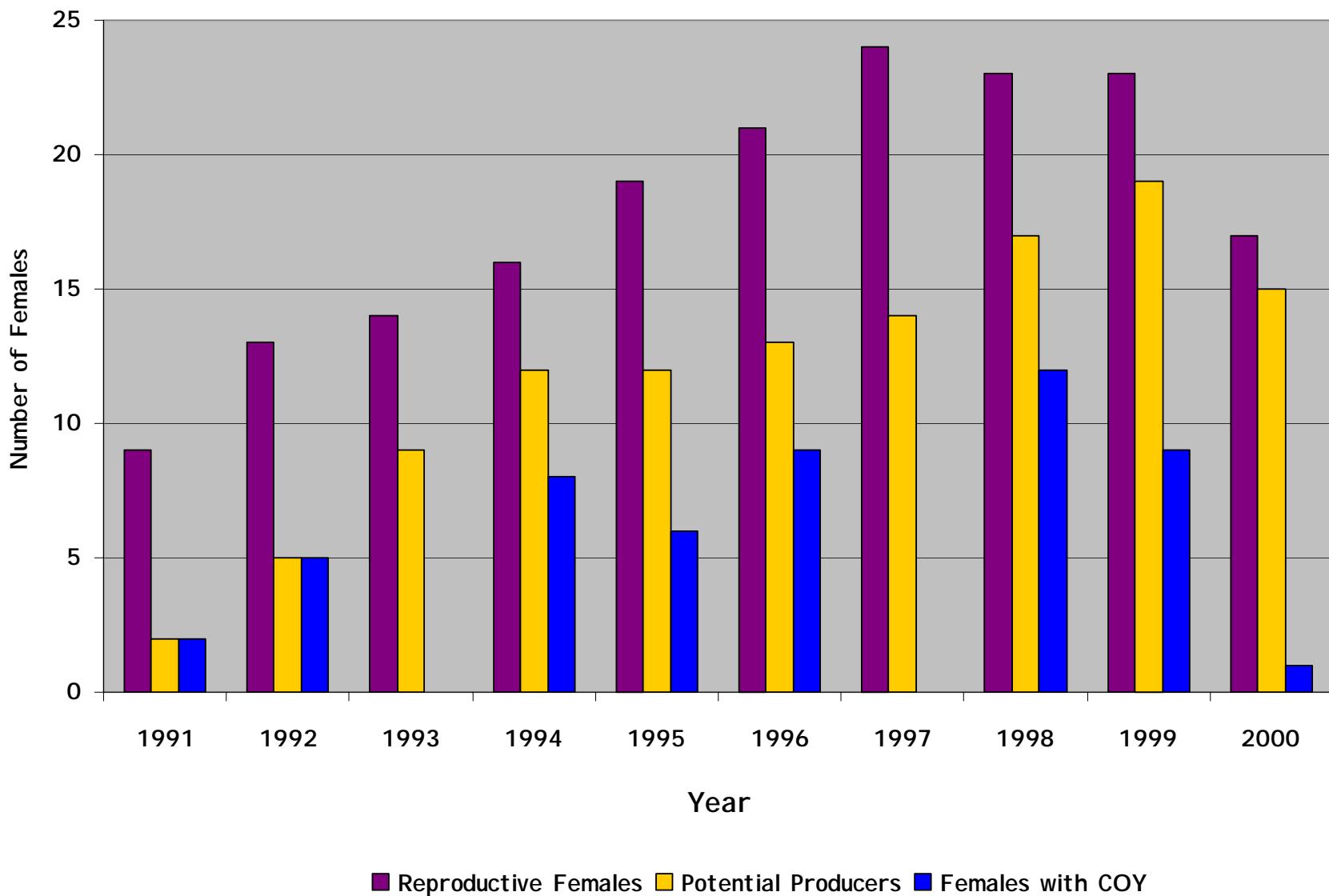
Data We've Collected

Telemetry:

- Location - GPS coordinates, topography, vegetation
- Behavior
- Number of cubs in females
- Den location, den entrance/emergence dates
- Snow conditions

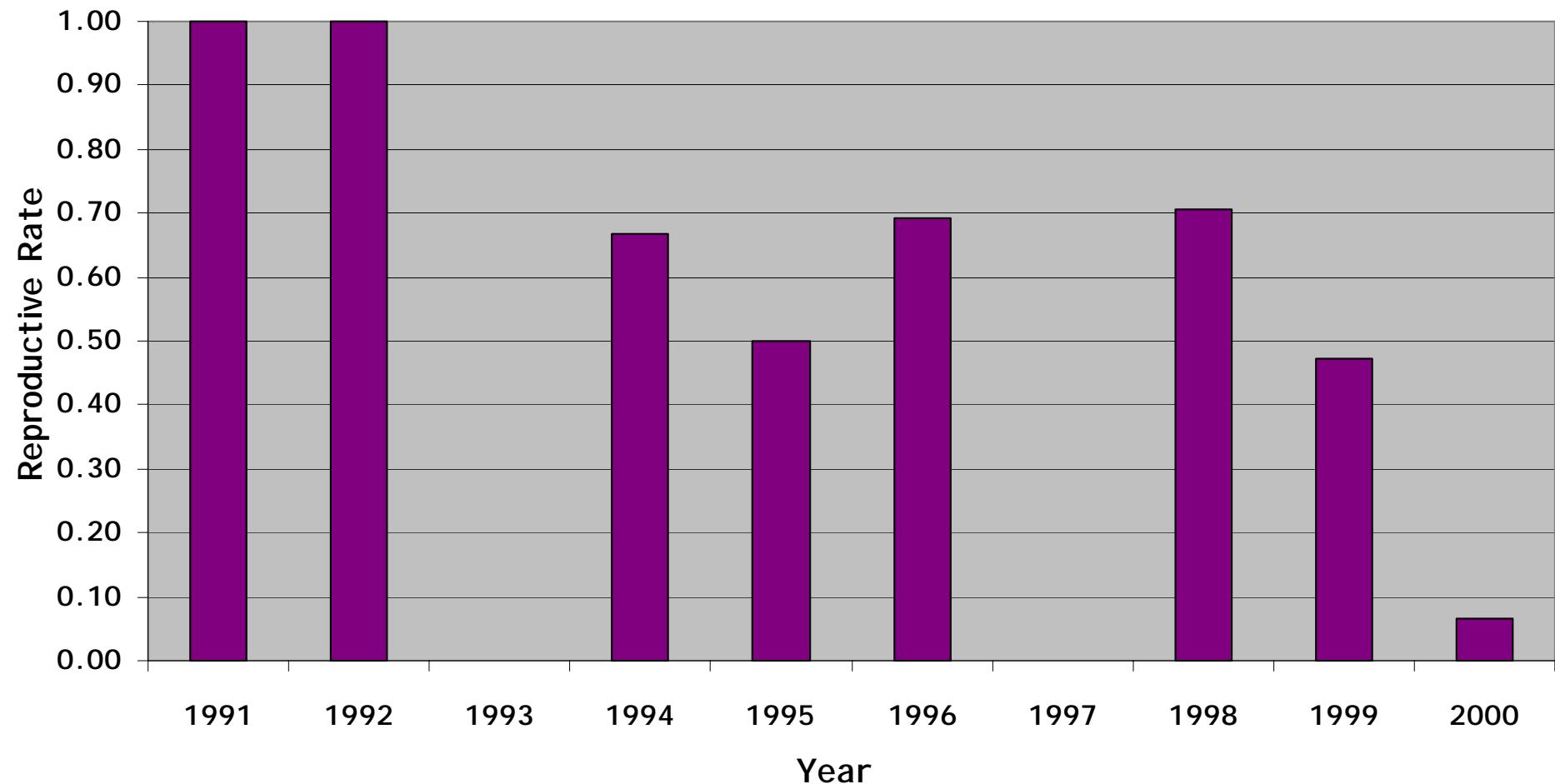
Denali North Side Grizzly Bear Study

Female History 1991–2000



Denali North Side Grizzly Bear Project

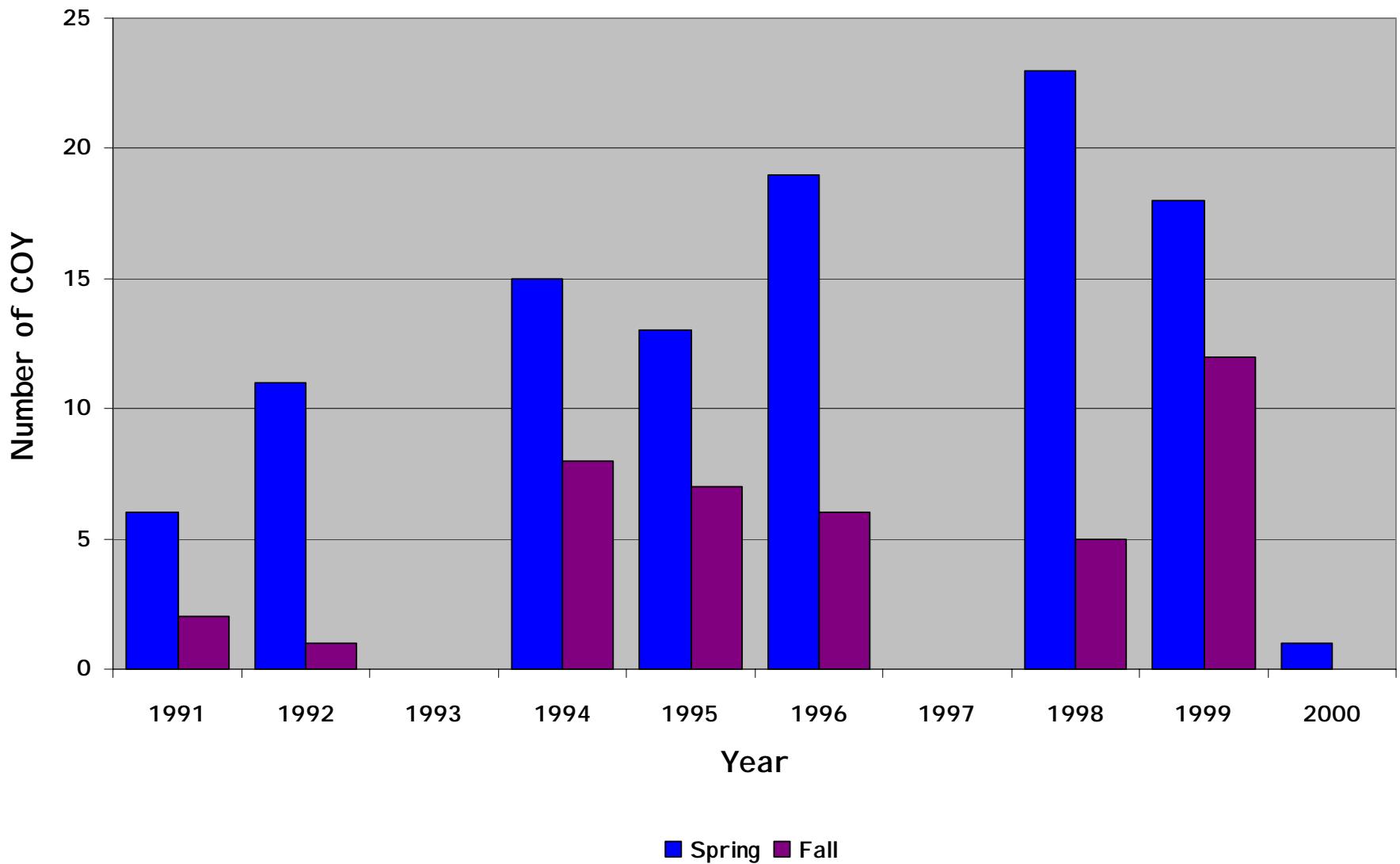
Reproductive Rates 1991-2000



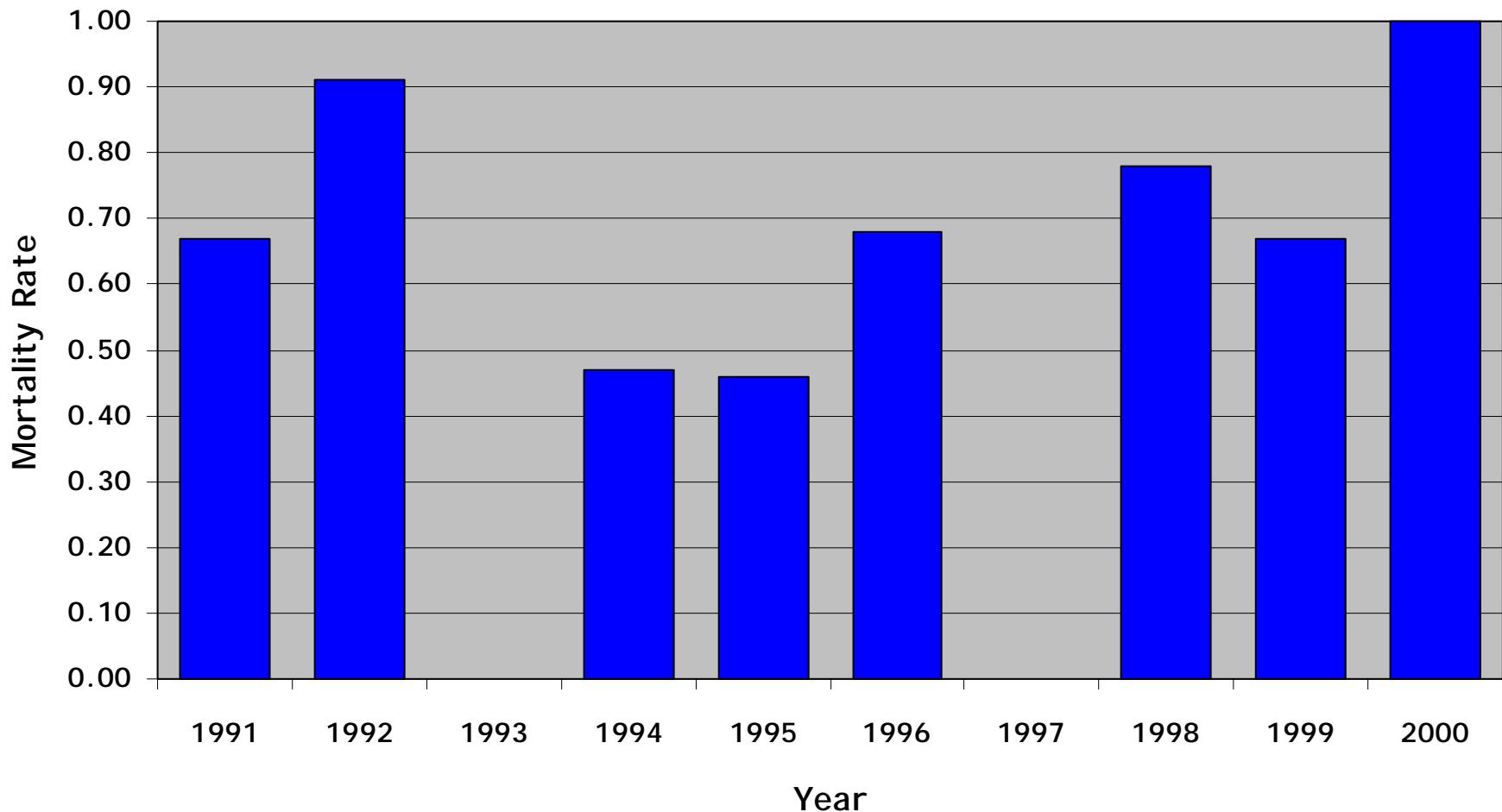
Mean Litter = 3.0 2.2 0 1.9 2.2 2.1 0 1.9 2.0 1.0

Reproductive Rate=Number of COY/Number of Potential Producers

Denali North Side Grizzly Bear Project
Cub Production and Survival 1991-2000



Denali North Side Grizzly Bear Project
Mortality of Cubs of the Year 1991-2000

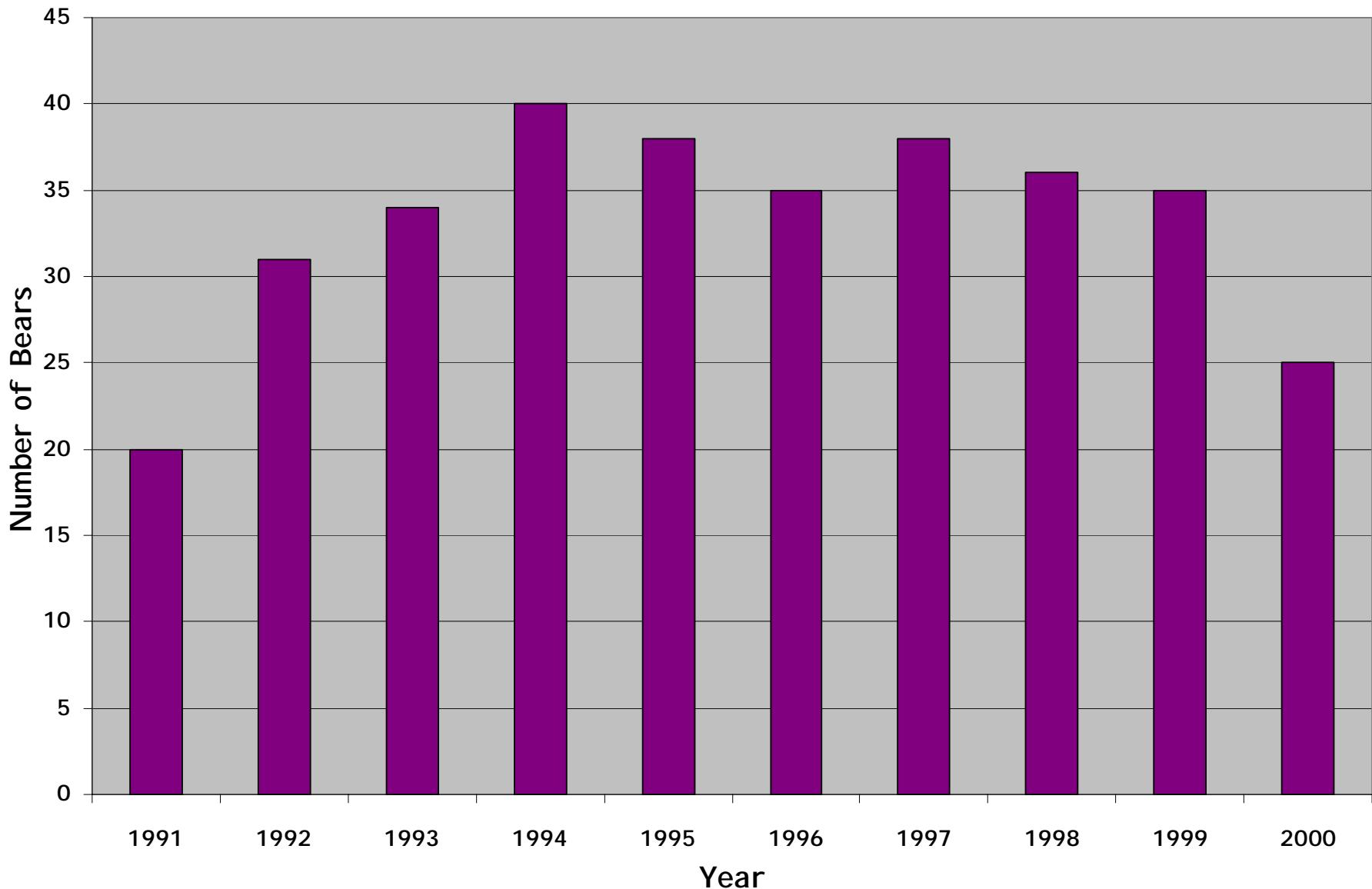


For The Future

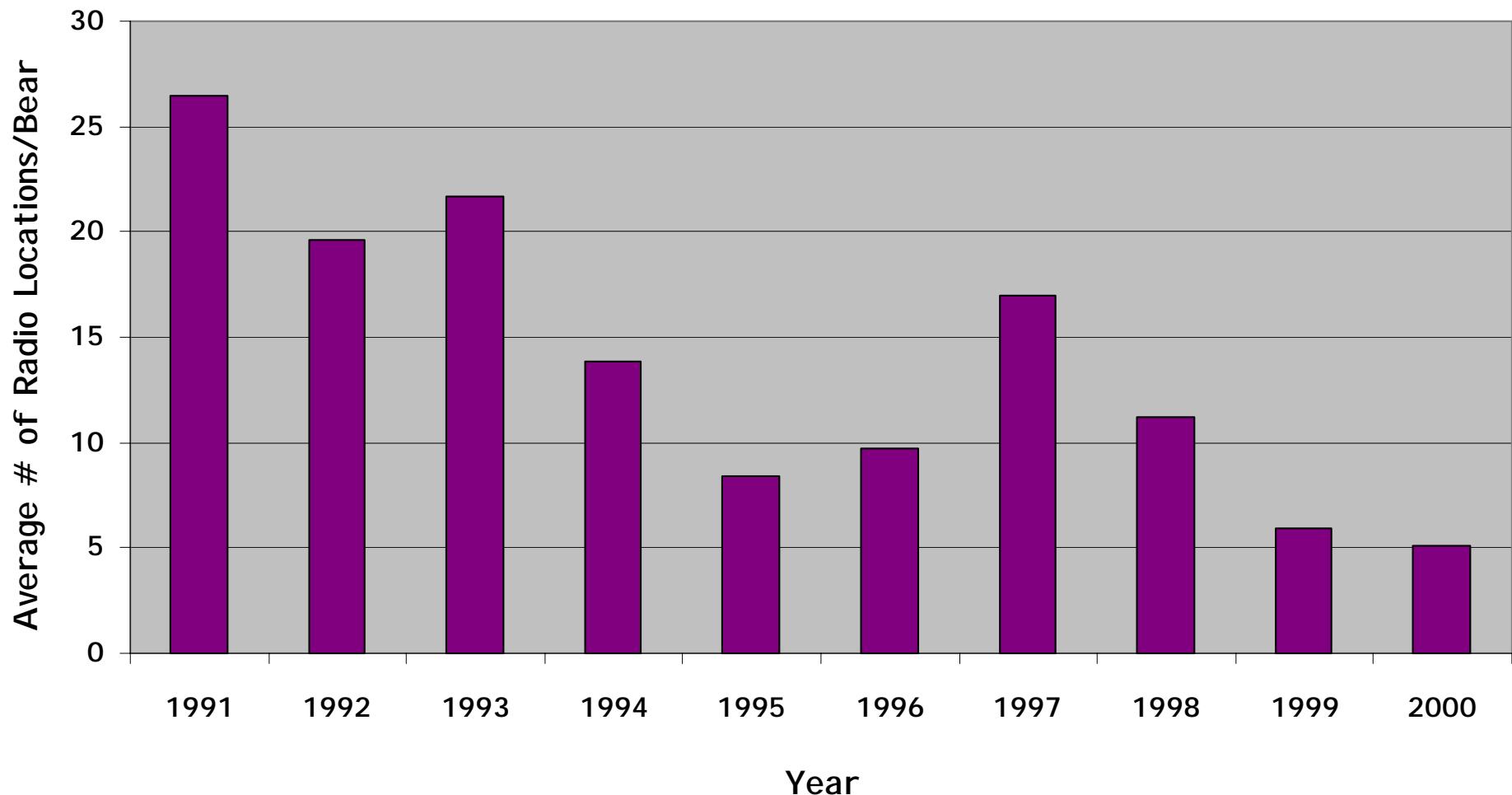
- Boost the Sample

Denali North Side Grizzly Bear Project

Sample Size by Year 1991-2000

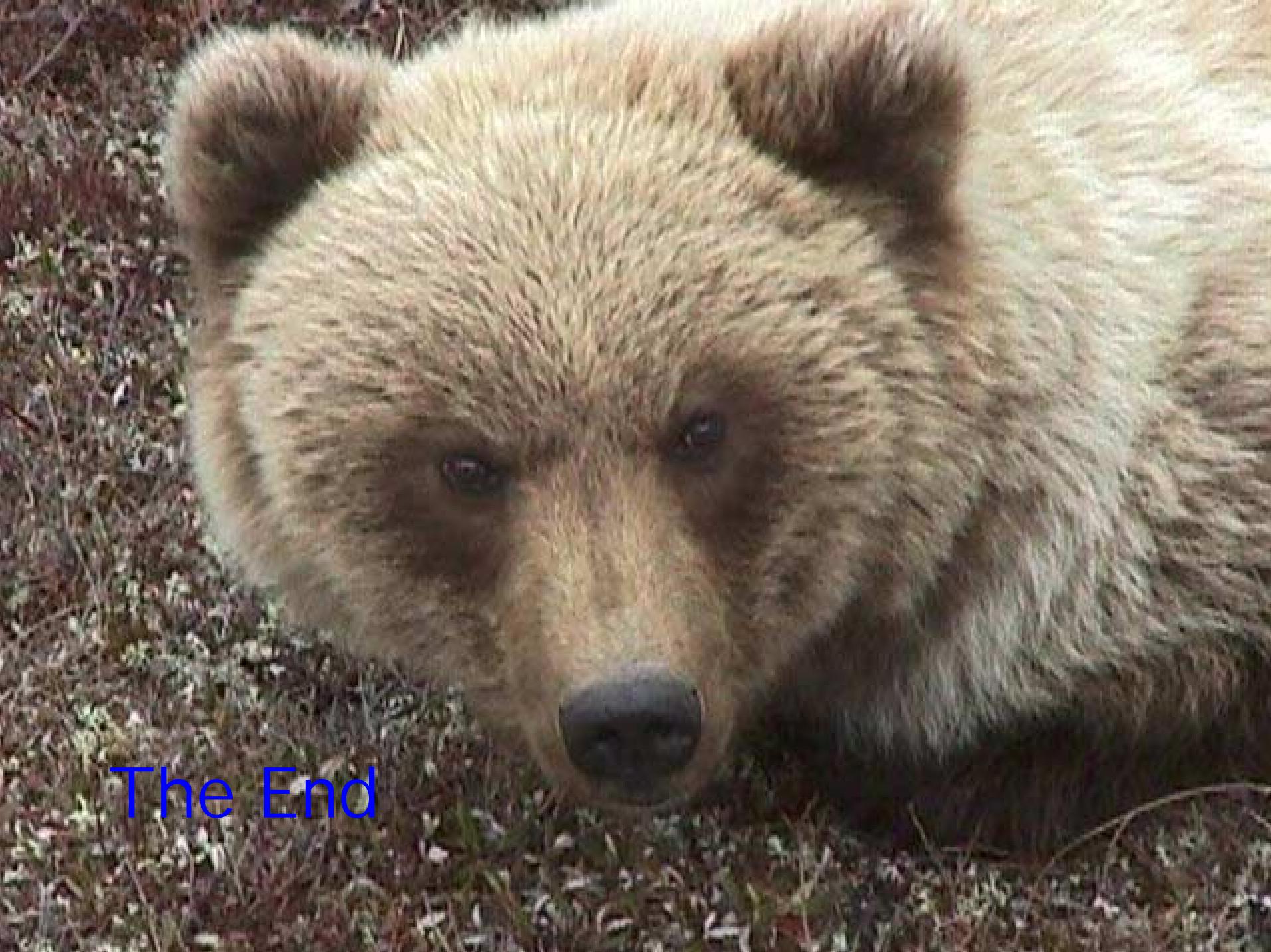


Denali North Side Grizzly Bear Project
Radio Location Effort 1991-2000



For The Future

- Boost the Sample
- Analyze the data we have



The End