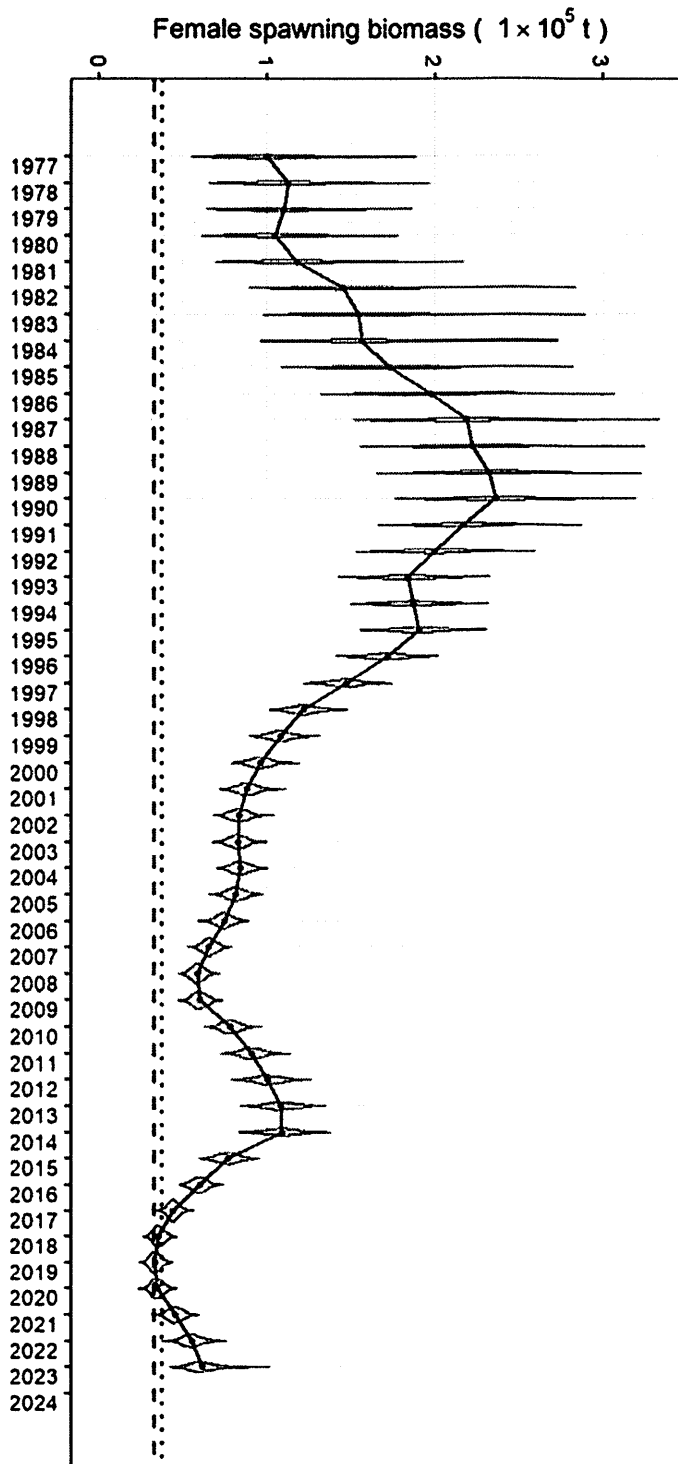
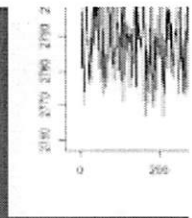


Submitted by the Alaska Department of Fish and Game at the request of Board Member Jensen  
 Date January 12, 2020

Figure 2.83 Model 19.14.48c MCMC posterior distributions of beginning of the year female spawning biomass 1977-2023. Dotted line is the projected SSB<sub>2024</sub>, the red dashed line is the projected SSB<sub>1775</sub>.



# M19.14.48c- MCMC



- Well behaved posteriors
  - 1,000,000 iterations (150,000 burn in and thinned by 1,000)
- Results
  - 85.3% probability of being  $\leq B_{20\%}$  in 2019
  - 39.8% probability of being  $\leq B_{17.5\%}$  in 2019
  - 73.3% probability of being  $\leq B_{20\%}$  in 2020
  - 27.7% probability of being  $\leq B_{17.5\%}$  in 2020

Barbeaux et al