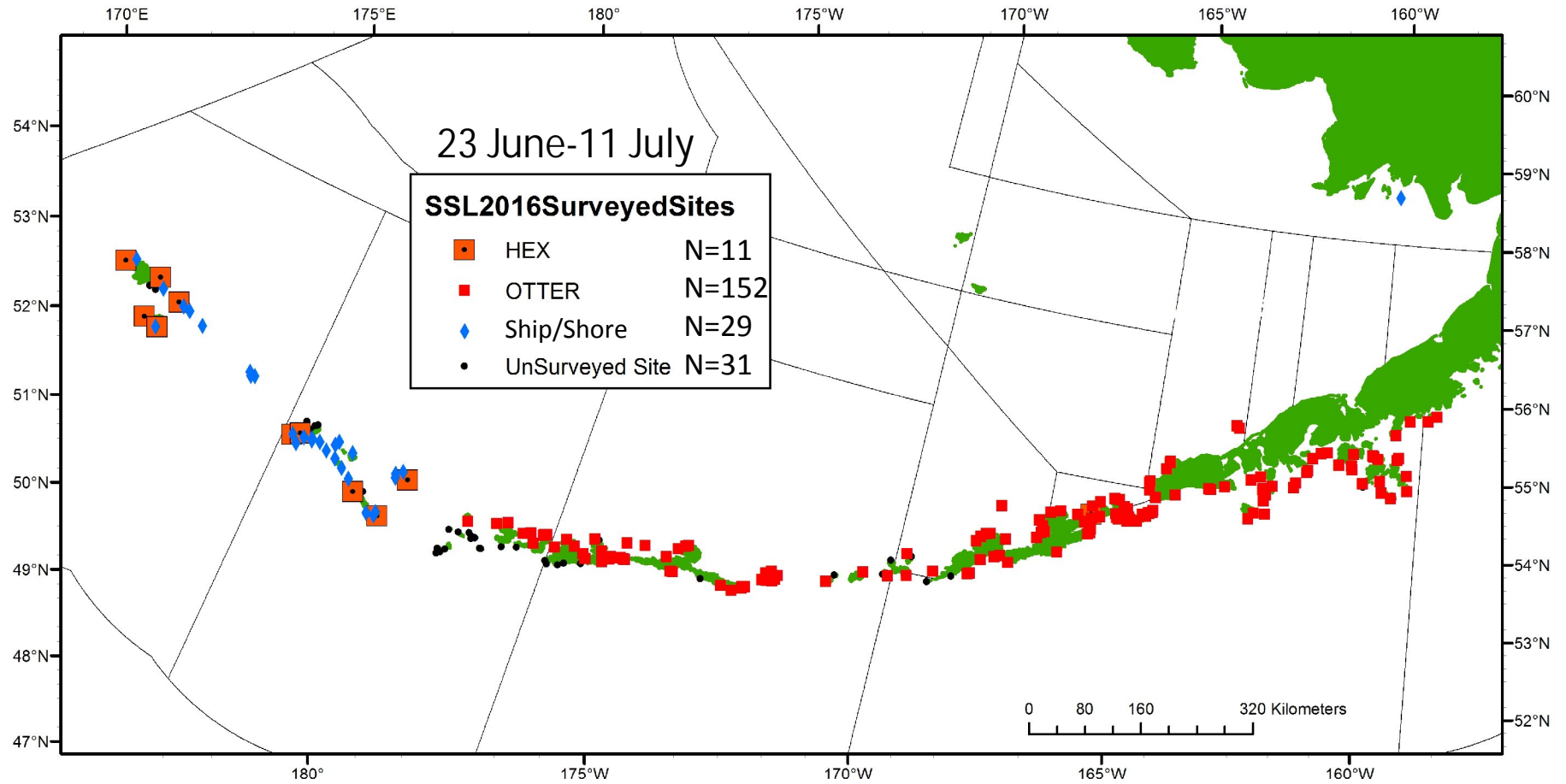


Update on Western Steller Sea Lions September 2016

Alaska Ecosystem Program
Marine Mammal Laboratory
NOAA Fisheries Alaska Fisheries Science Center
Seattle, Washington



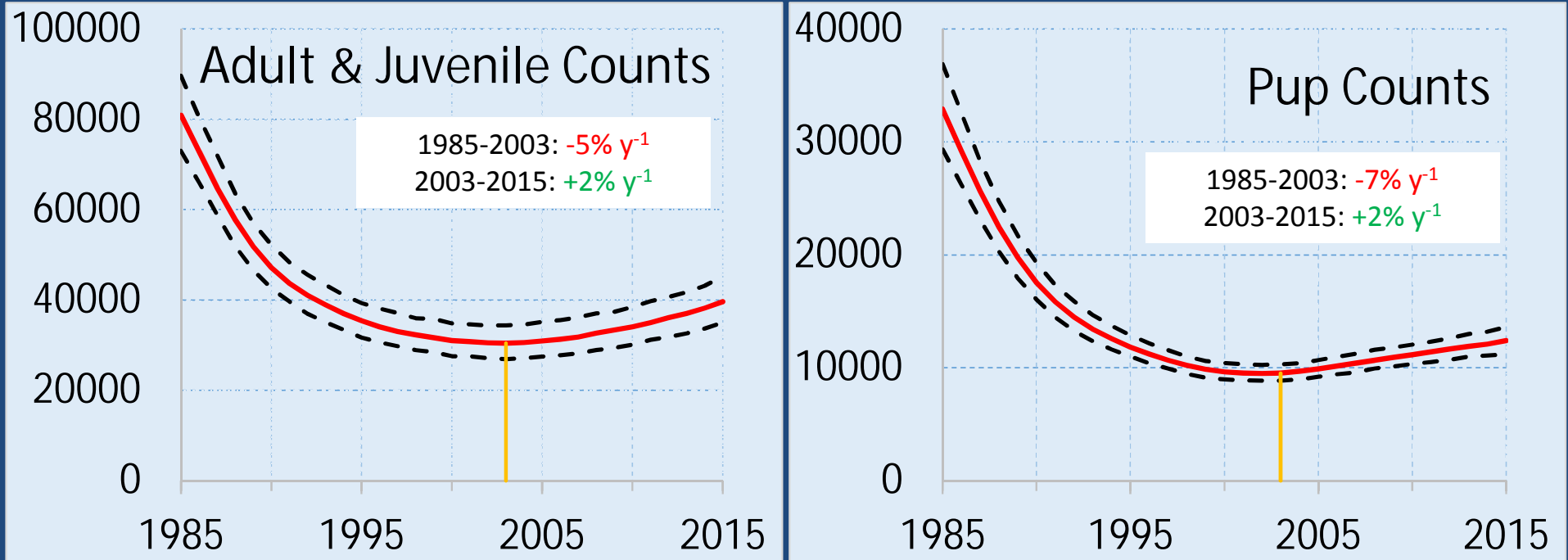
2016 Steller Sea Lion Survey in Alaska



Western Steller Sea Lions in Alaska

Predicted Counts and Annual Rates of Change

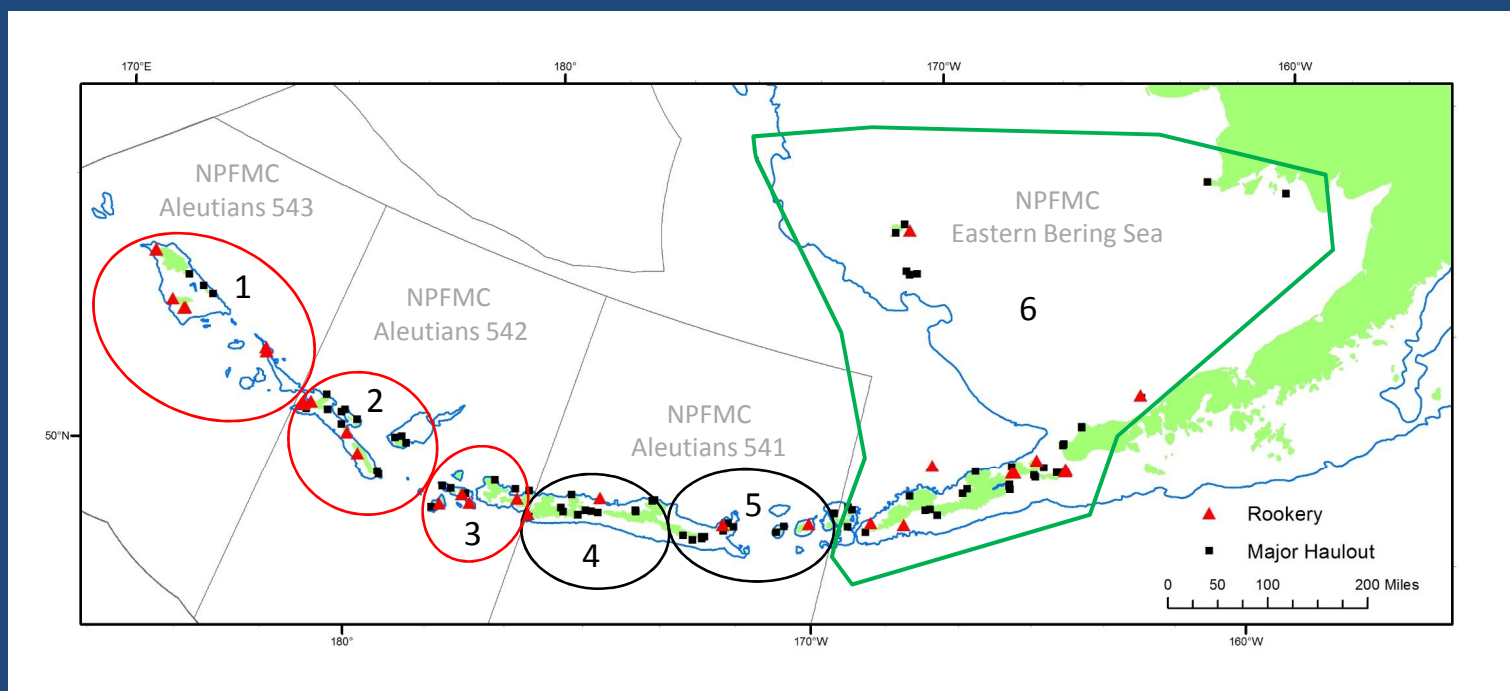
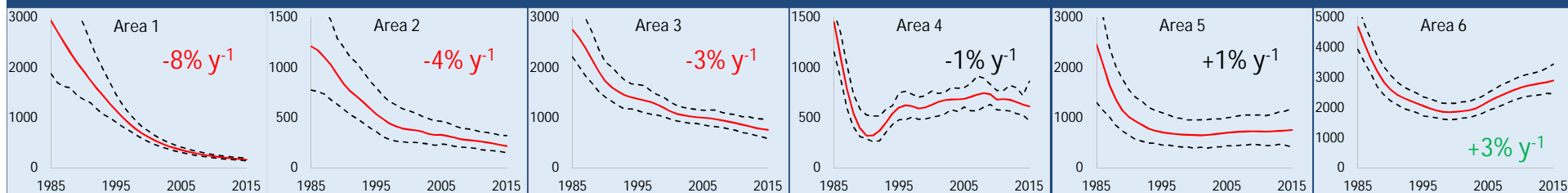
Lowest Recent Predicted Counts in 2003



Recommendation: Change begin-year of 15-y down-listing and 30-y de-listing periods from 2000 to 2003

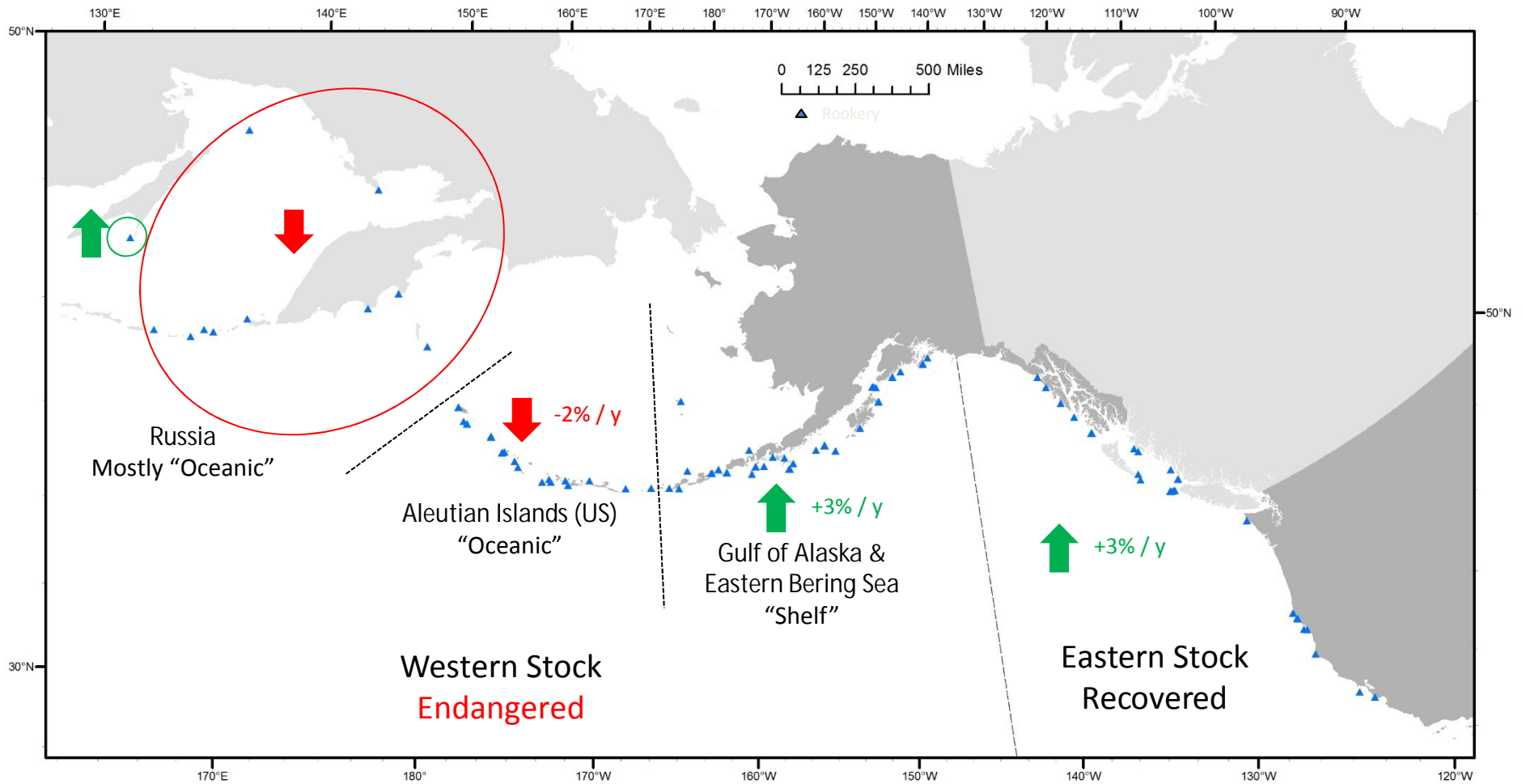
W. Steller Sea Lion Pup Counts in Aleutian Islands

Predicted Counts and Annual Rates of Change 2003-2015

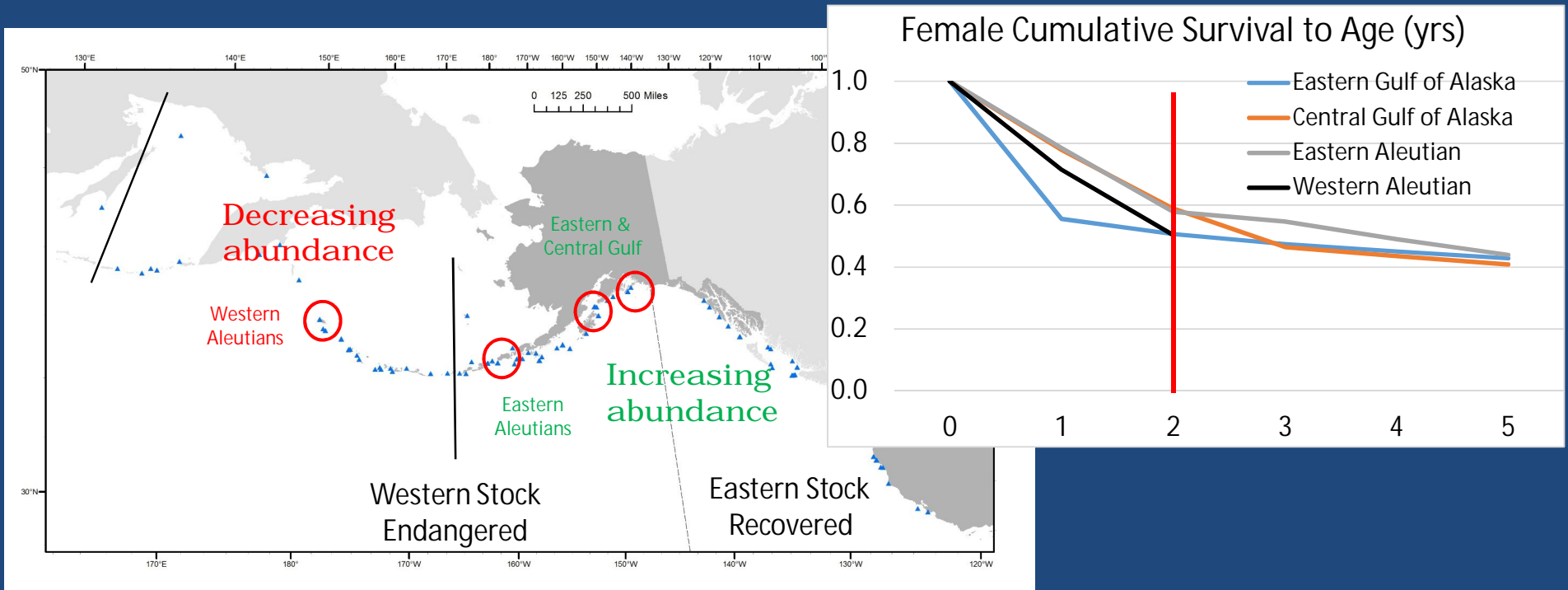


Current Steller sea lion population trends

Численность сивучей на западной



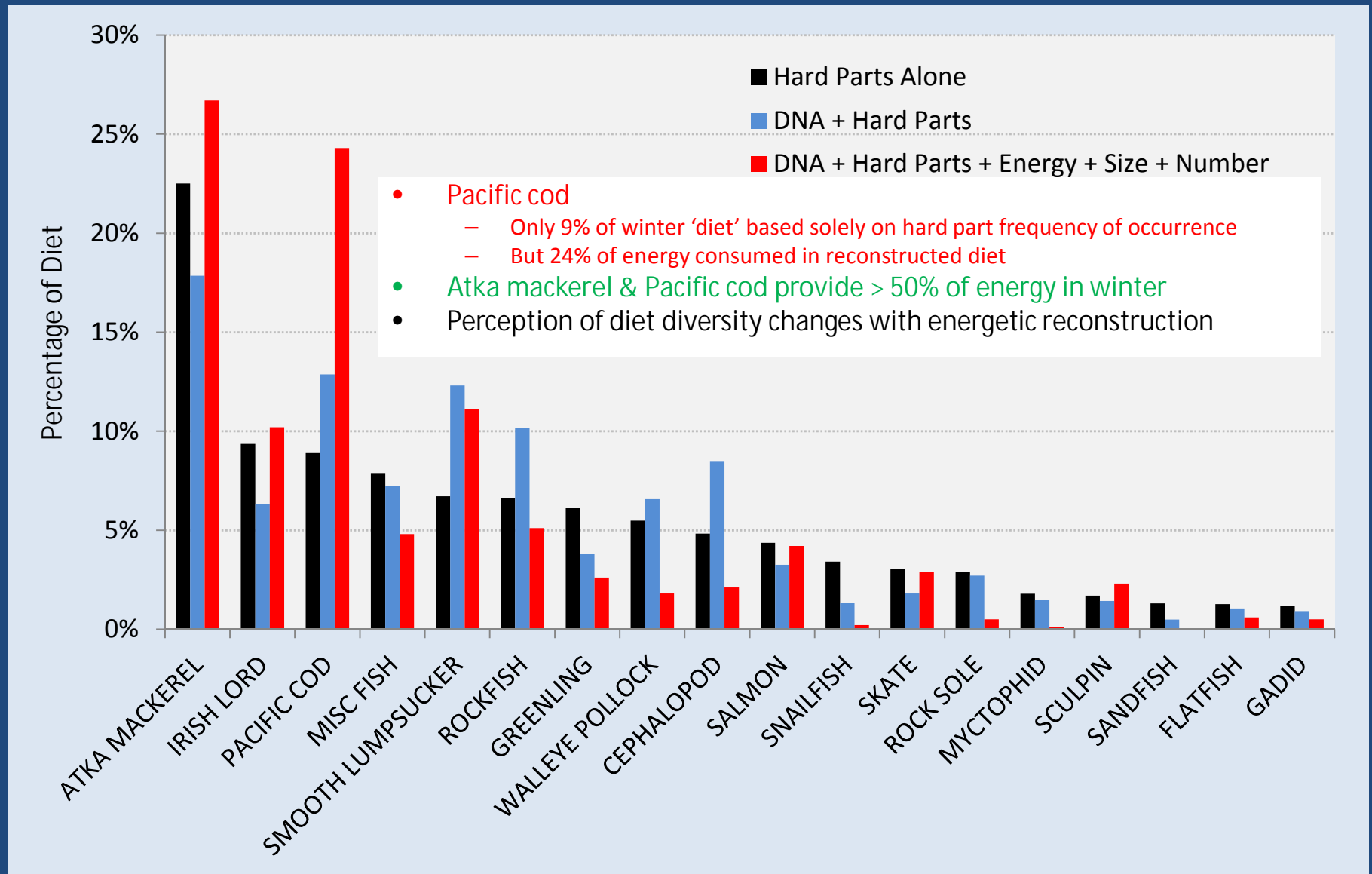
Juvenile Survival of Steller Sea Lions from Brand-Resight



Survival to Age 2 yrs in the Western Aleutians (declining population) appears to be similar to survival in eastern portions of western stock where populations are increasing (all 50-58% for females)

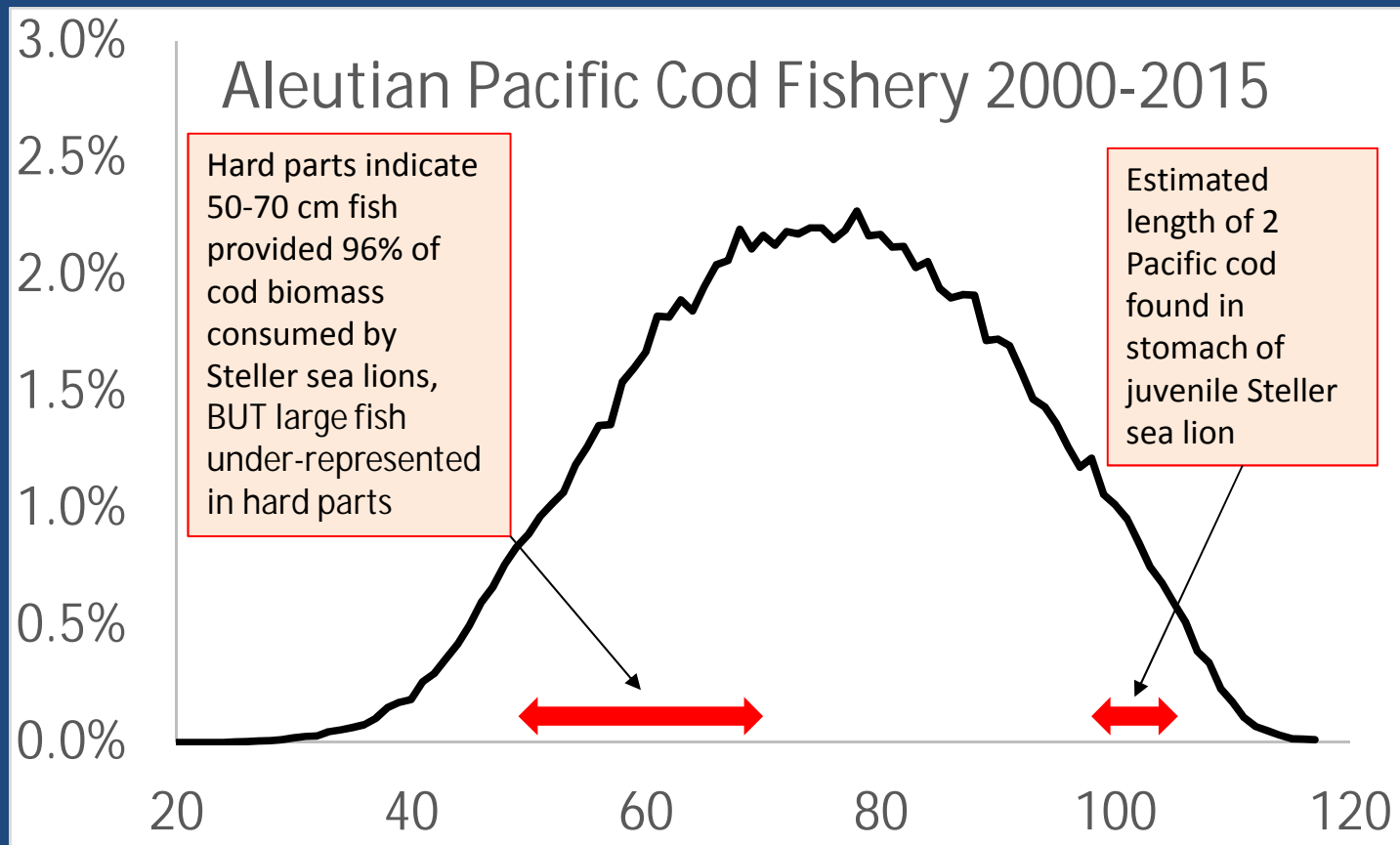
Fritz, L., R. Towell, et al. 2014. Recent increases in survival of western Steller sea lions in Alaska and implications for recovery. *Endang. Spec. Res.* 26: 13-24

Winter Diet of Steller Sea Lions, Aleutian Islands, 2000-2012



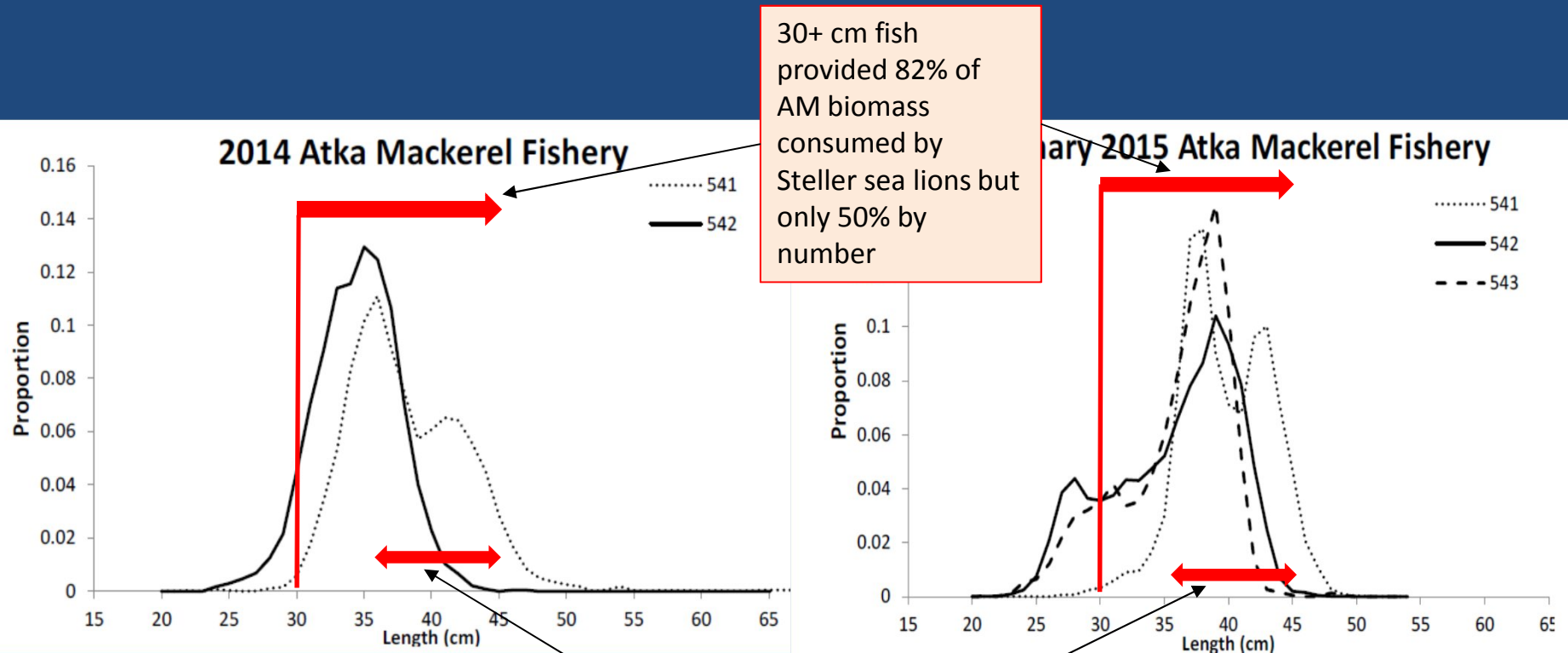
Tollit, D., L. Fritz, et al. Submitted. Diet of endangered Steller sea lions in the Aleutian Islands: new insights from DNA detections and bio-energetic reconstructions. *Can. J. Zool.*

Steller sea lion Consumption of Pacific Cod by Length: Overlap with Commercial Fishery



Tollit, D., L. Fritz, et al. Submitted. Diet of endangered Steller sea lions in the Aleutian Islands: new insights from DNA detections and bio-energetic reconstructions. *Can. J. Zool.*

Steller sea lion Consumption of Atka mackerel by Length: Overlap with Commercial Fishery



Tollit, D., L. Fritz, et al. Submitted. Diet of endangered Steller sea lions in the Aleutian Islands: new insights from DNA detections and bio-energetic reconstructions. *Can. J. Zool.*