

Kodiak Management Area Herring Fisheries



By Geoff Spalinger

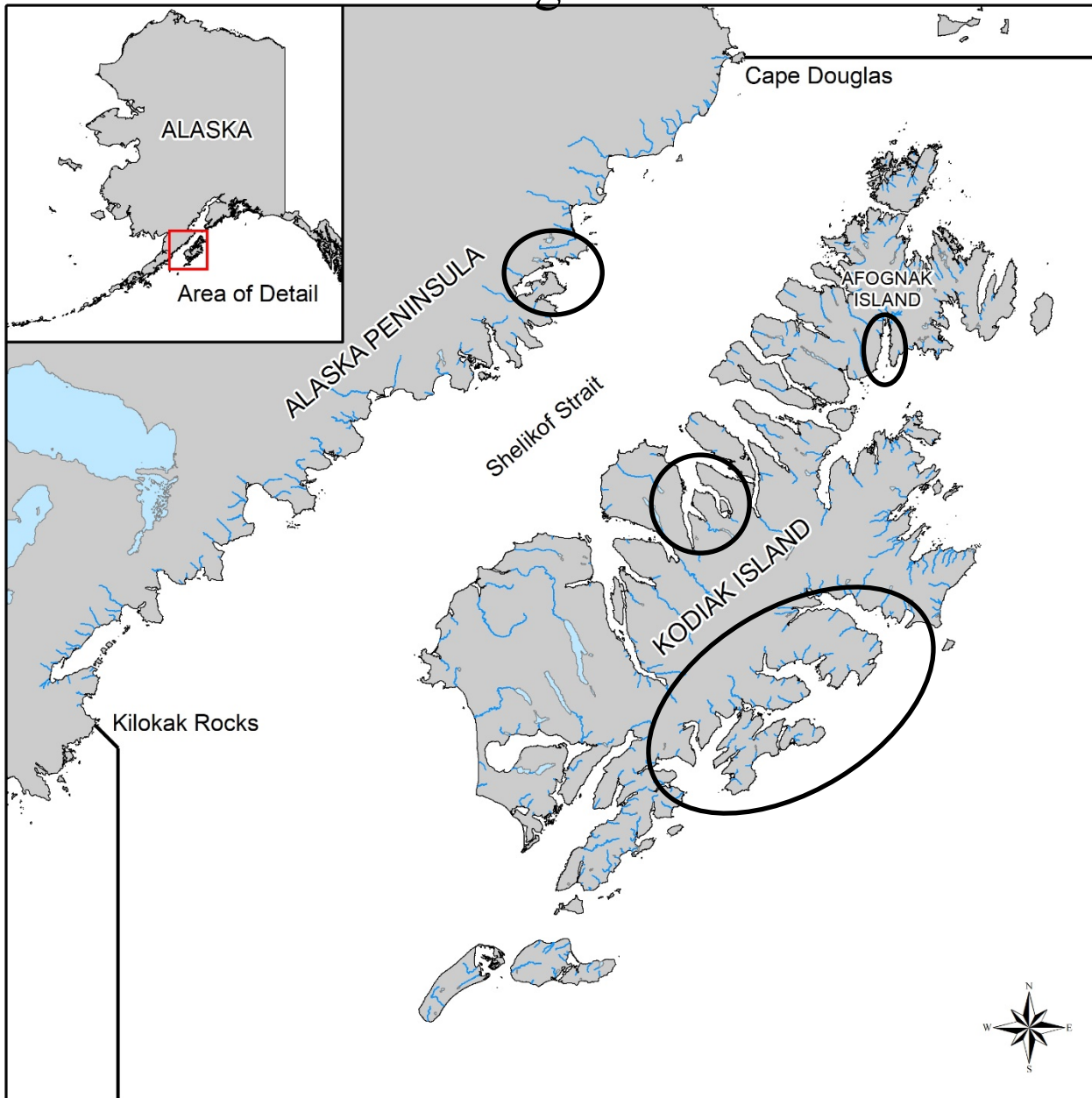
Report to the Alaska Board of Fisheries
January 2020

Oral Report: RC 3; Tab 6
Staff Comments: RC 2

Topics to be covered

- 1) Description of the Kodiak Management Area
- 2) Summary of commercial herring fisheries
 - Sac Roe fishery
 - Food and Bait fishery
- 3) Board of Fisheries herring proposals

Kodiak Management Area



Stock Status



Increasing biomass

Young herring – 90% age-3

Sac Roe Fishery

Season: April 15 to June 30

Gear: Purse seines and gillnets



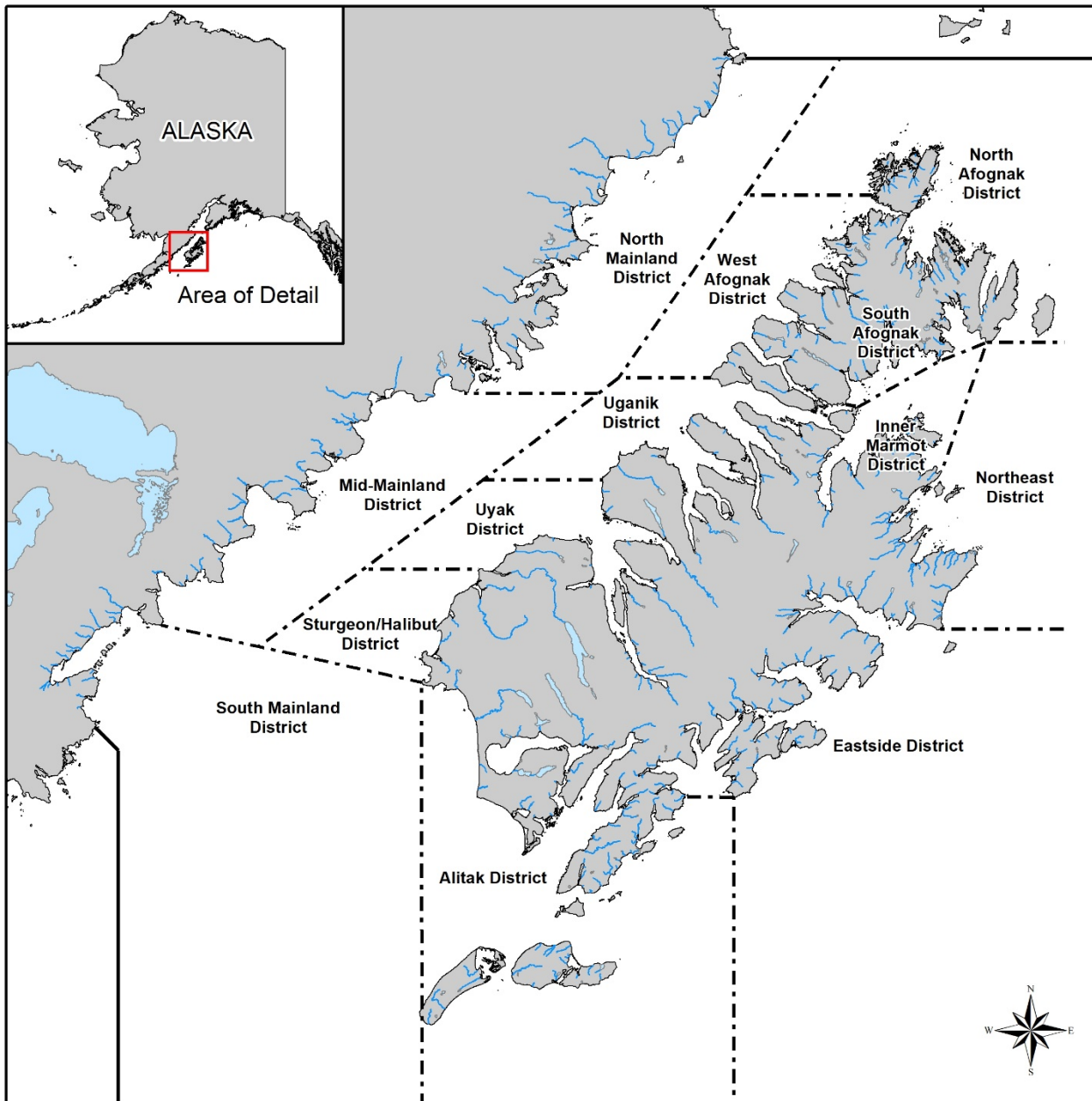
Sac Roe Fishery Harvest Strategy



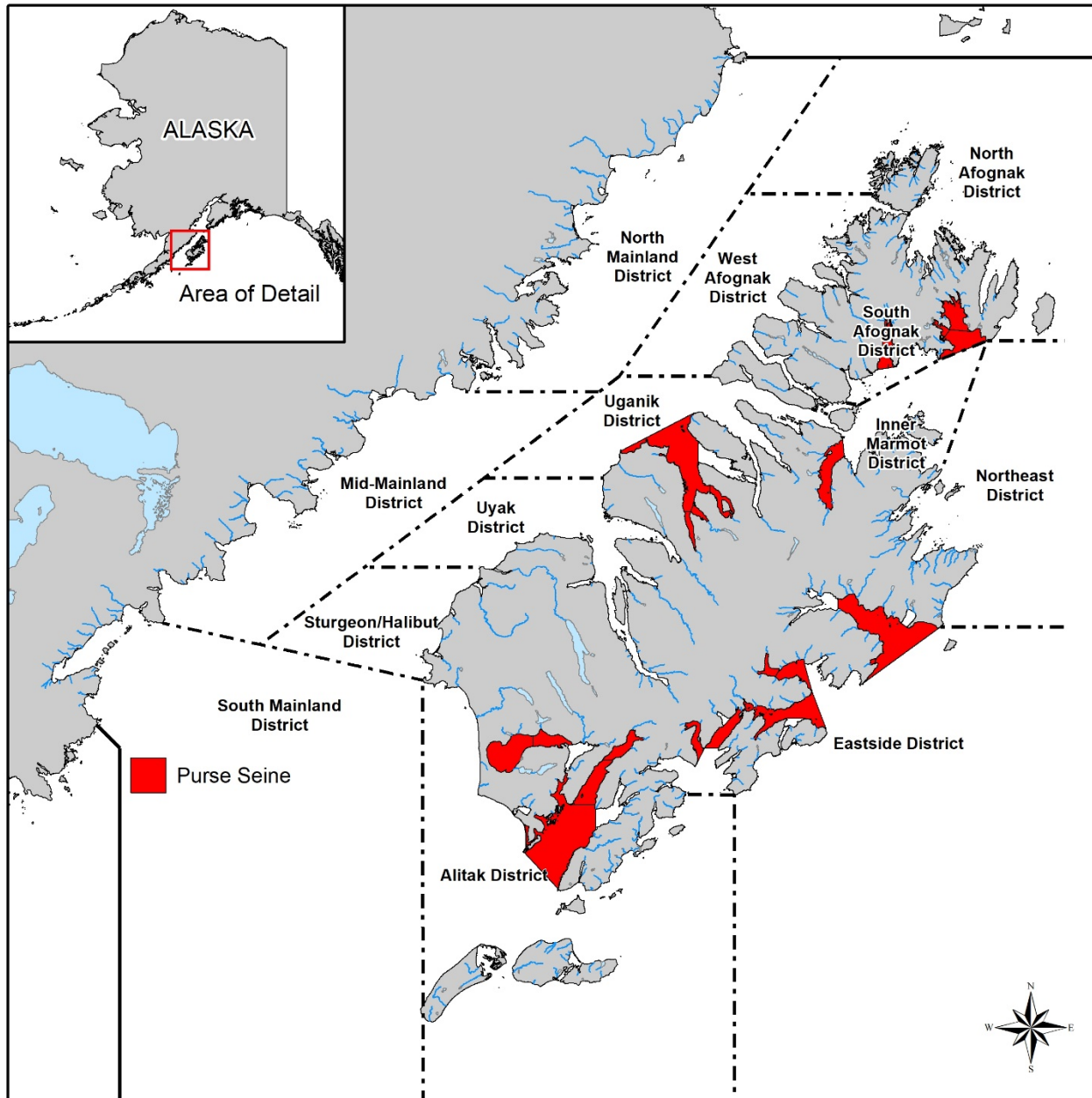
Purse Seine – 75% of GHL
Gillnet – 25% of GHL

Separate areas for purse
seines and gillnets

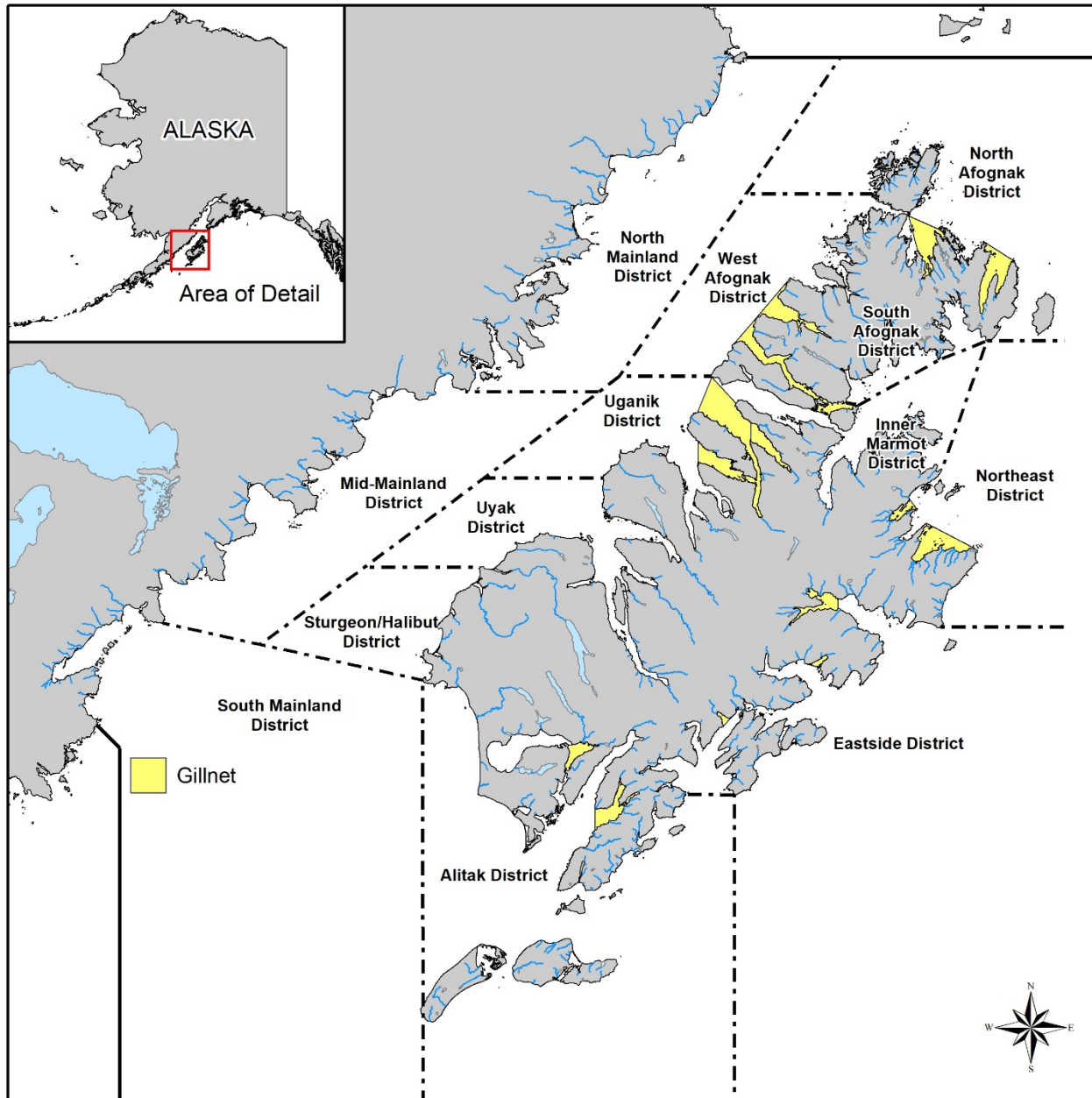
Districts



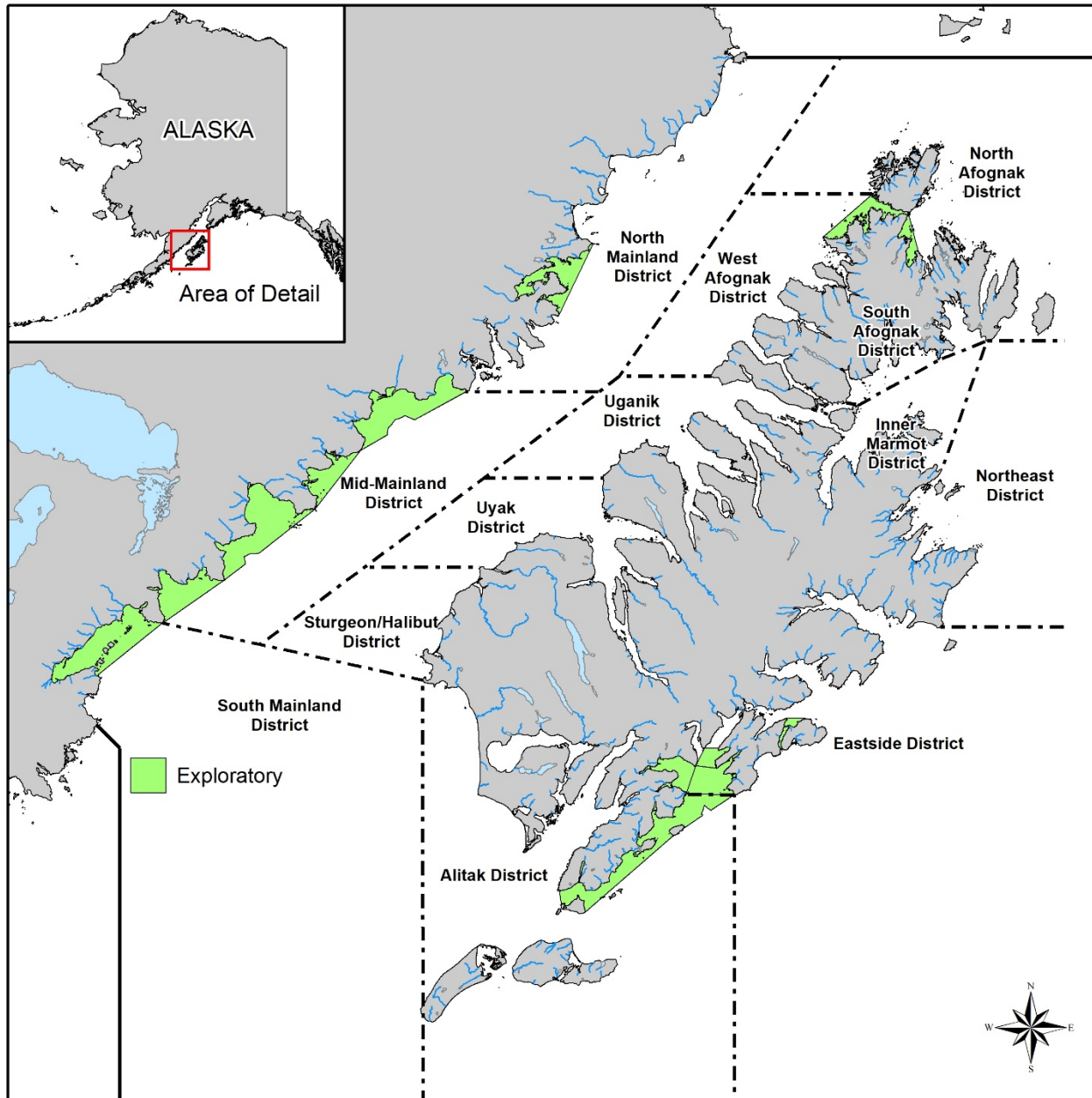
Purse Seine Sections



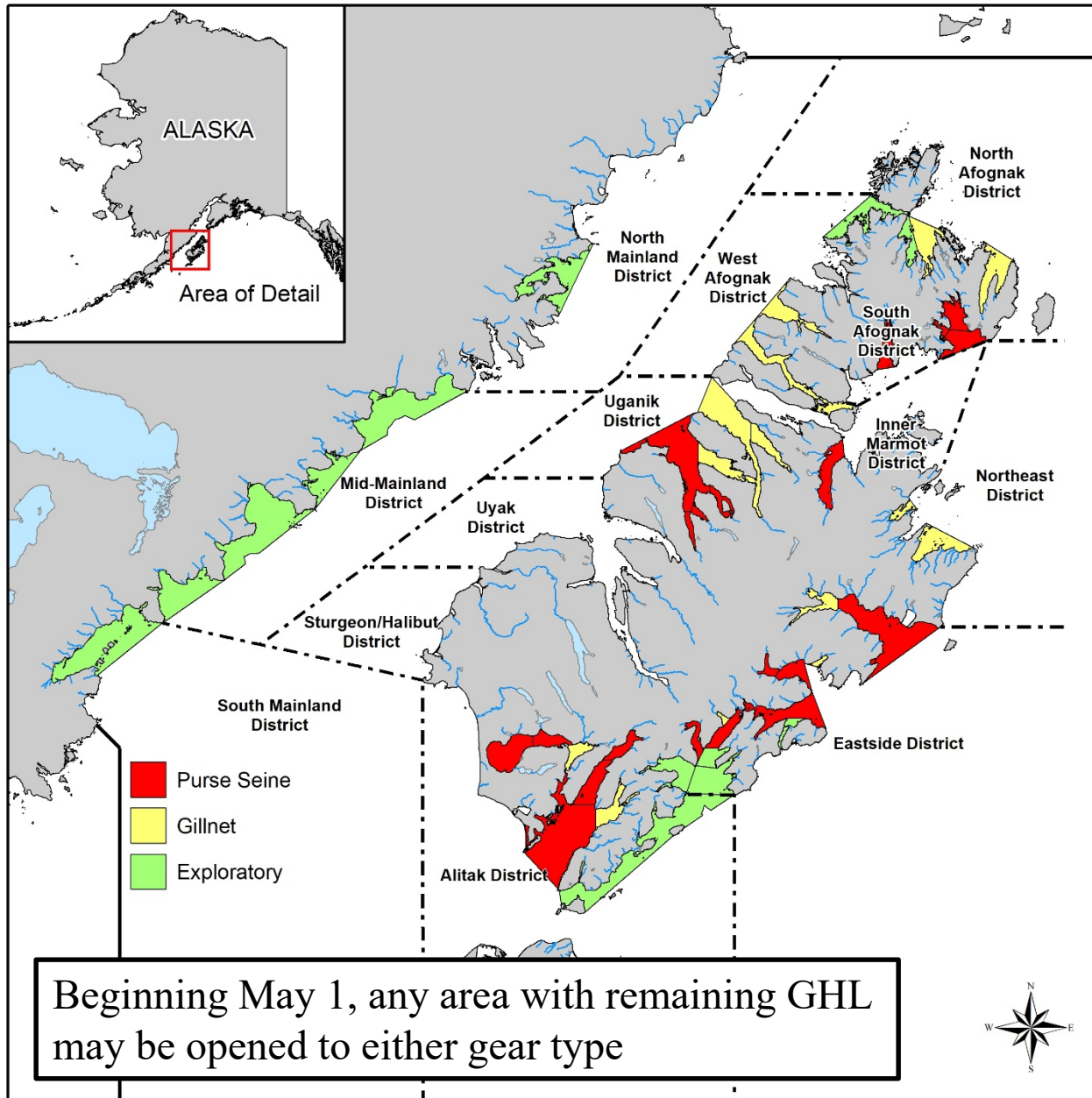
Gillnet Sections



Exploratory Sections



2019 Open Sections



Guideline Harvest Levels

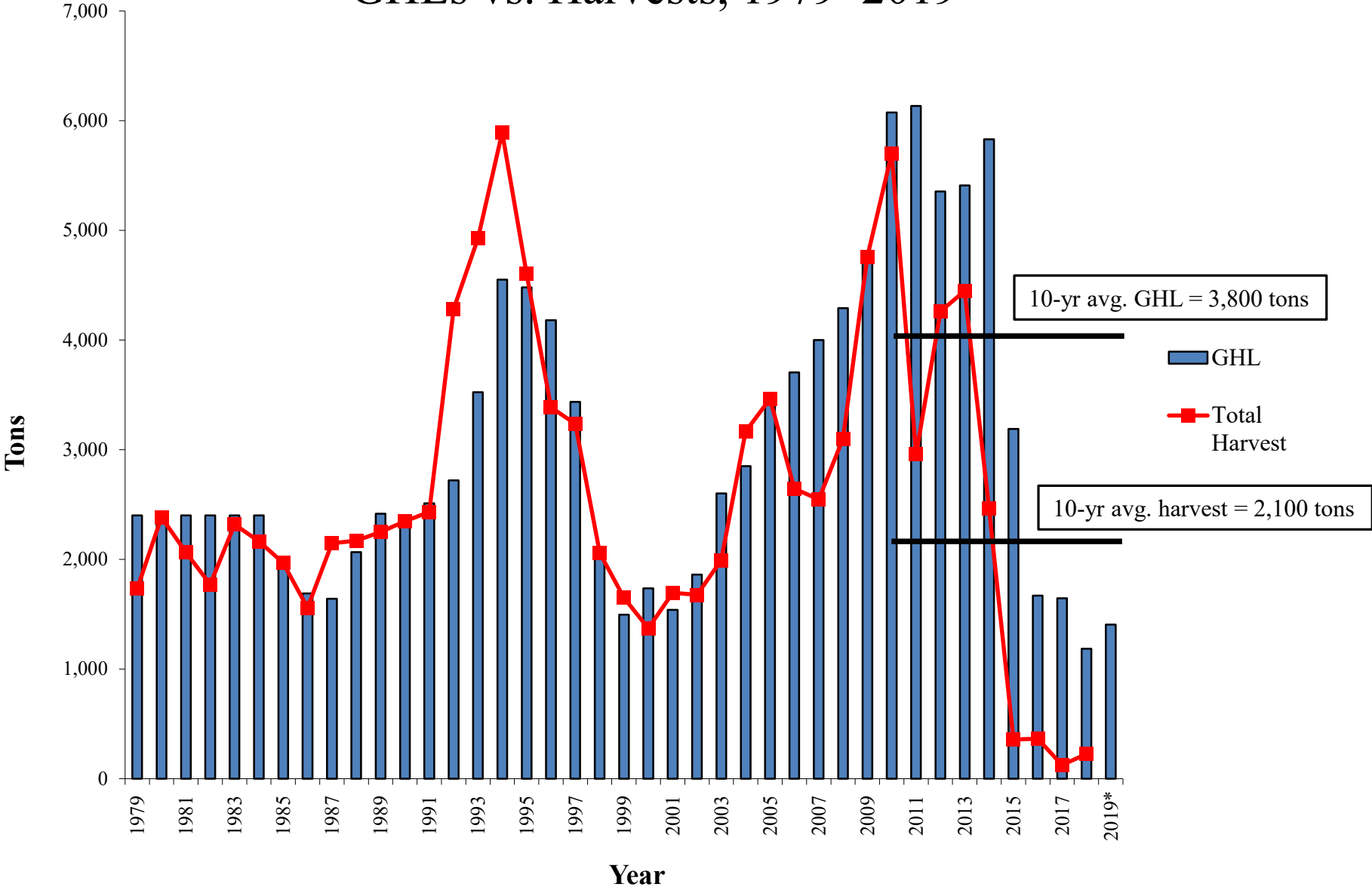
Age compositions

Biomass observations

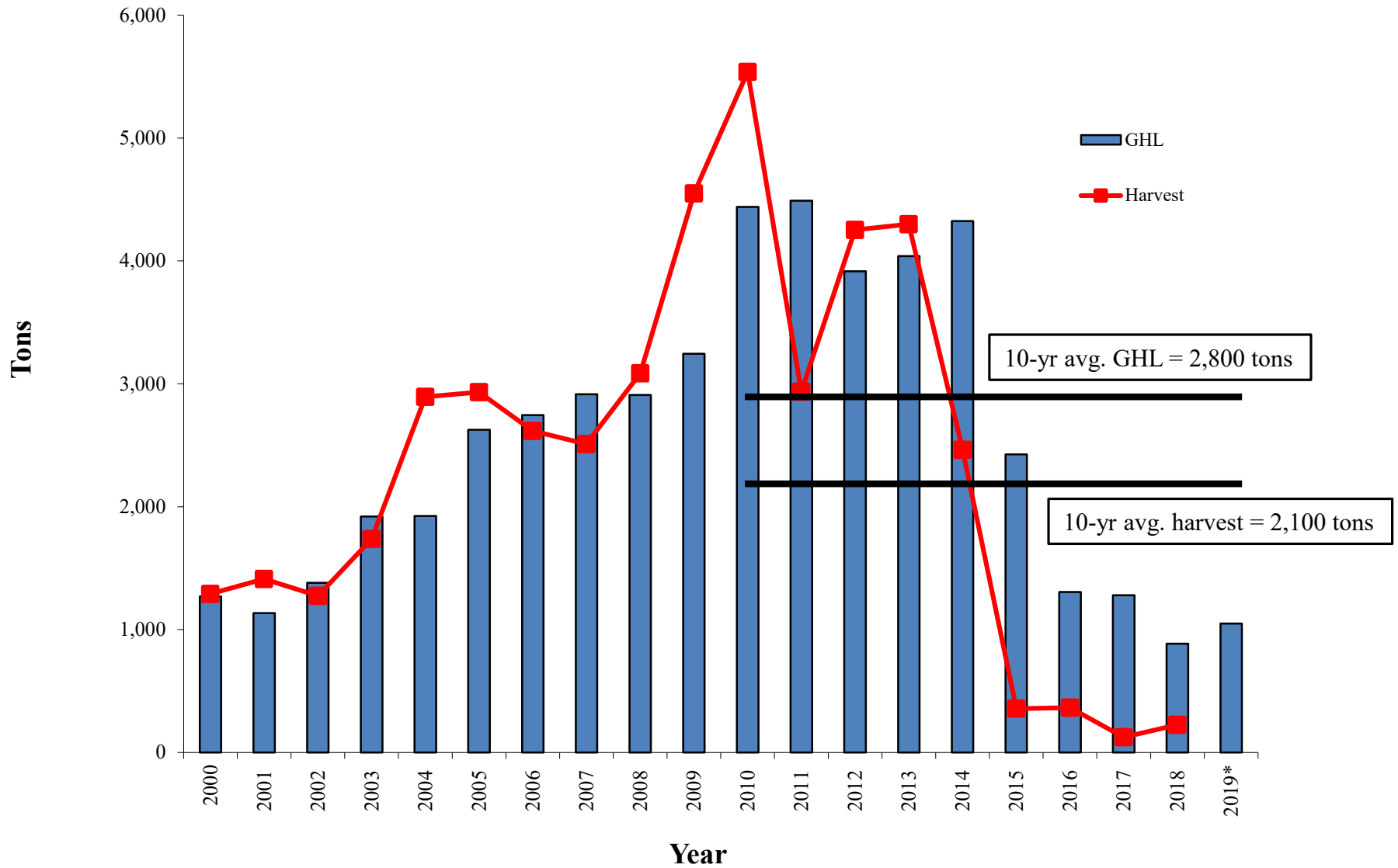
Fishery performance



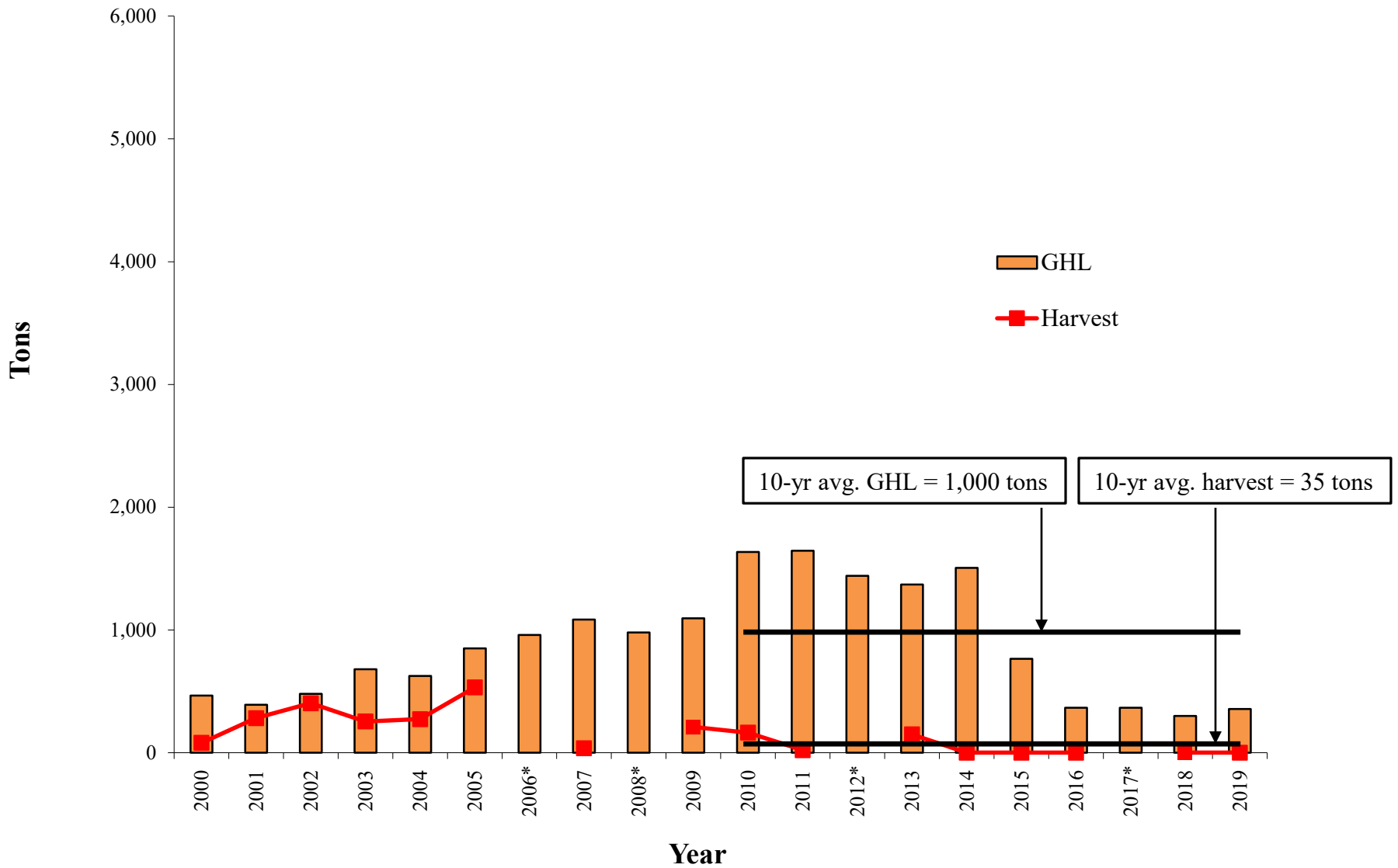
GHLs vs. Harvests, 1979–2019



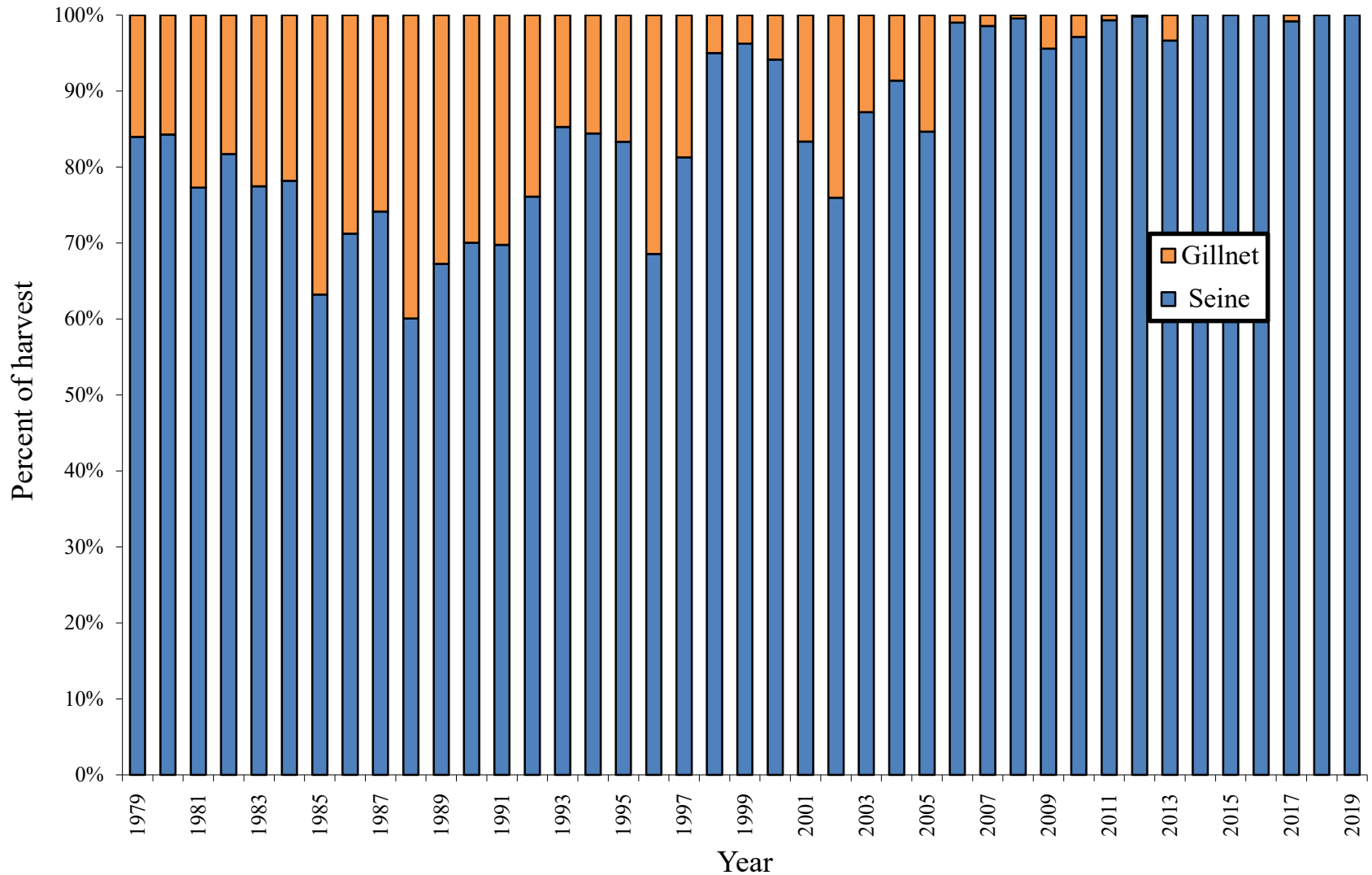
Purse Seine GHLs vs Harvests, 2000–2019



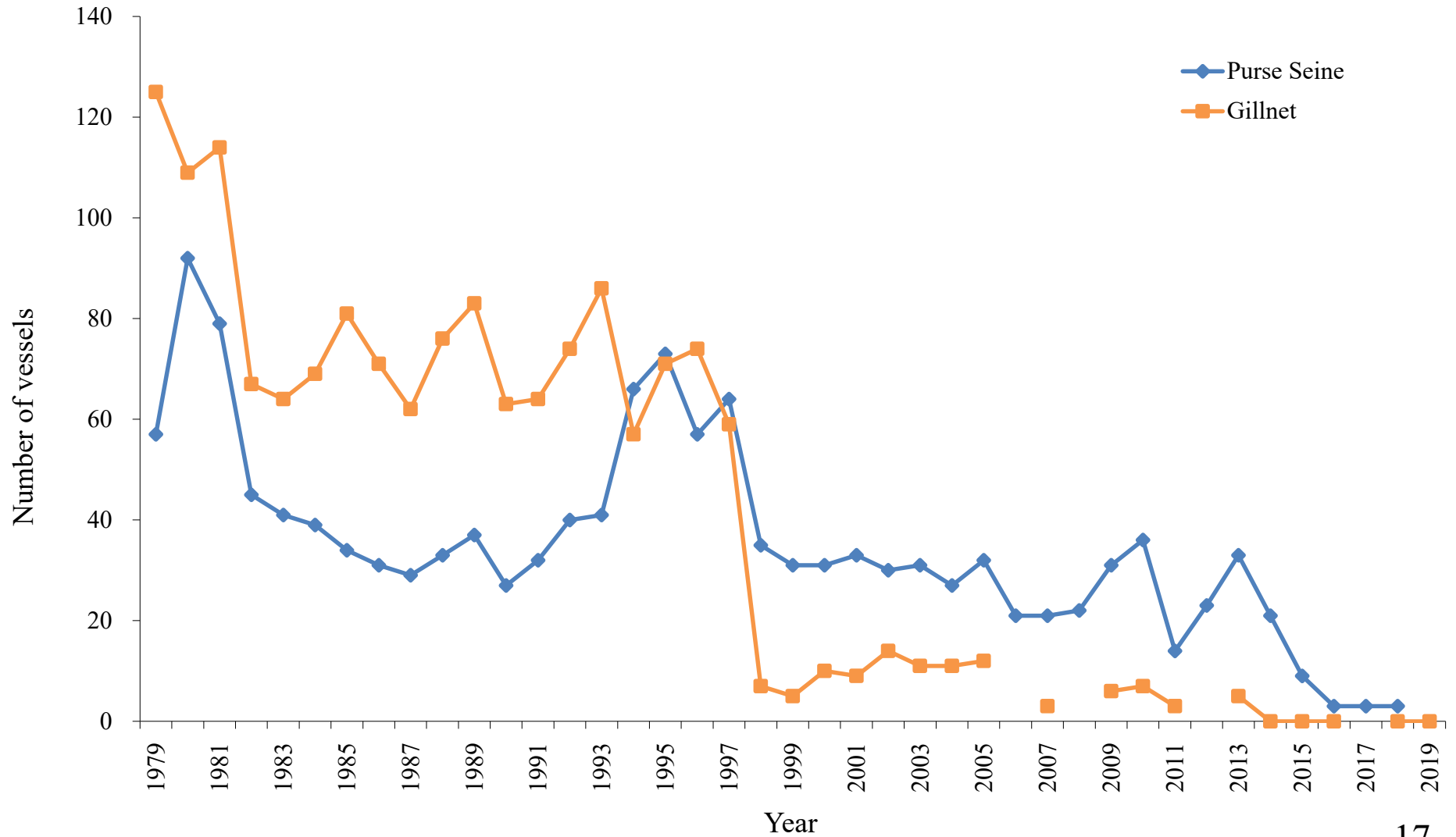
Gillnet GHLs vs Harvests, 2000–2019



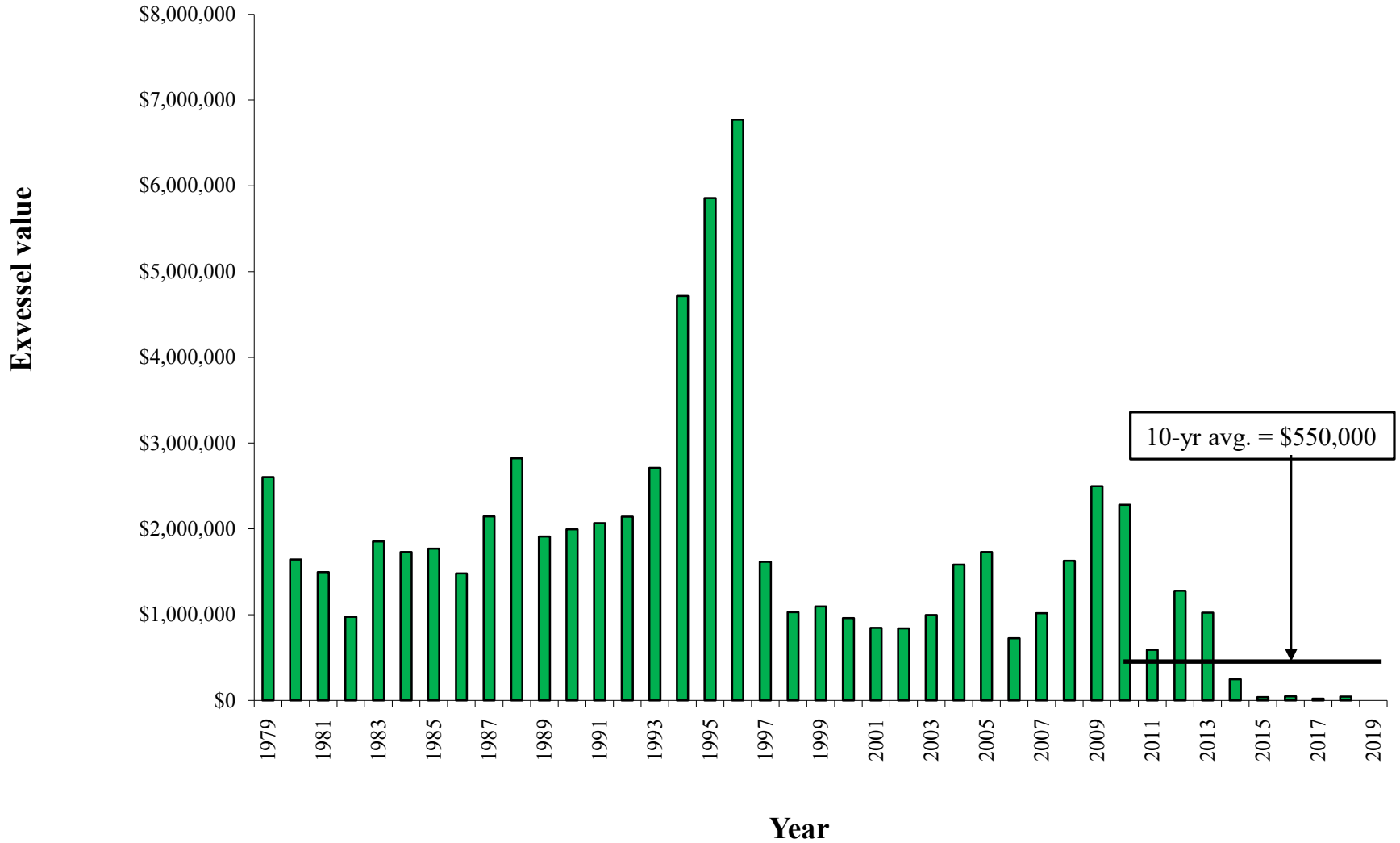
Percentage of Harvest by Gear Type



Participation by Gear Type, 1979–2019



Exvessel Value 1979 – 2019



Kodiak Herring Food and Bait Fishery

Season: September 1–February 28

Gear: 5 purse seine/gillnet permits, 4 trawl permits

Combine fisheries since 2001

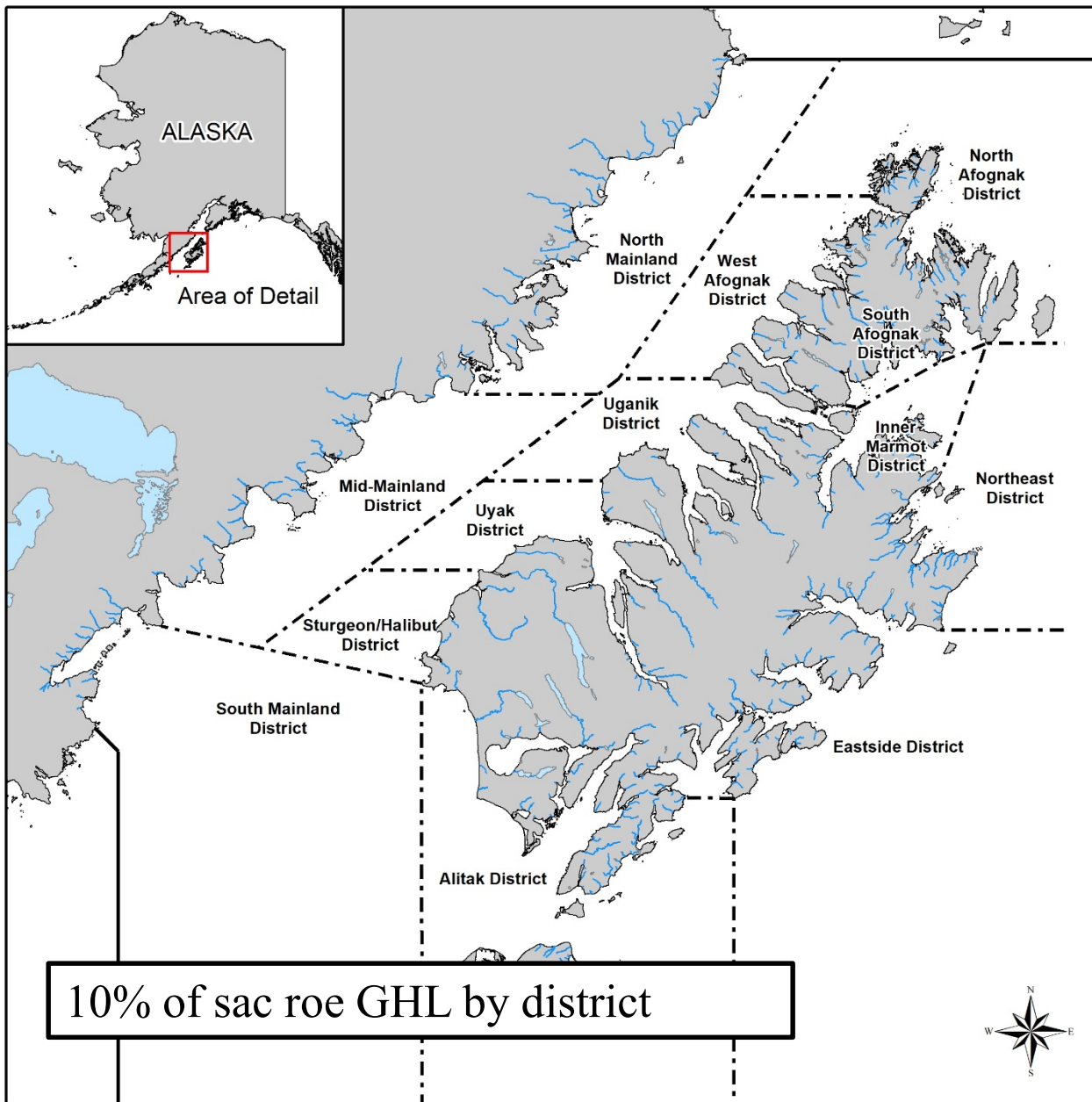
Food and Bait GHLs



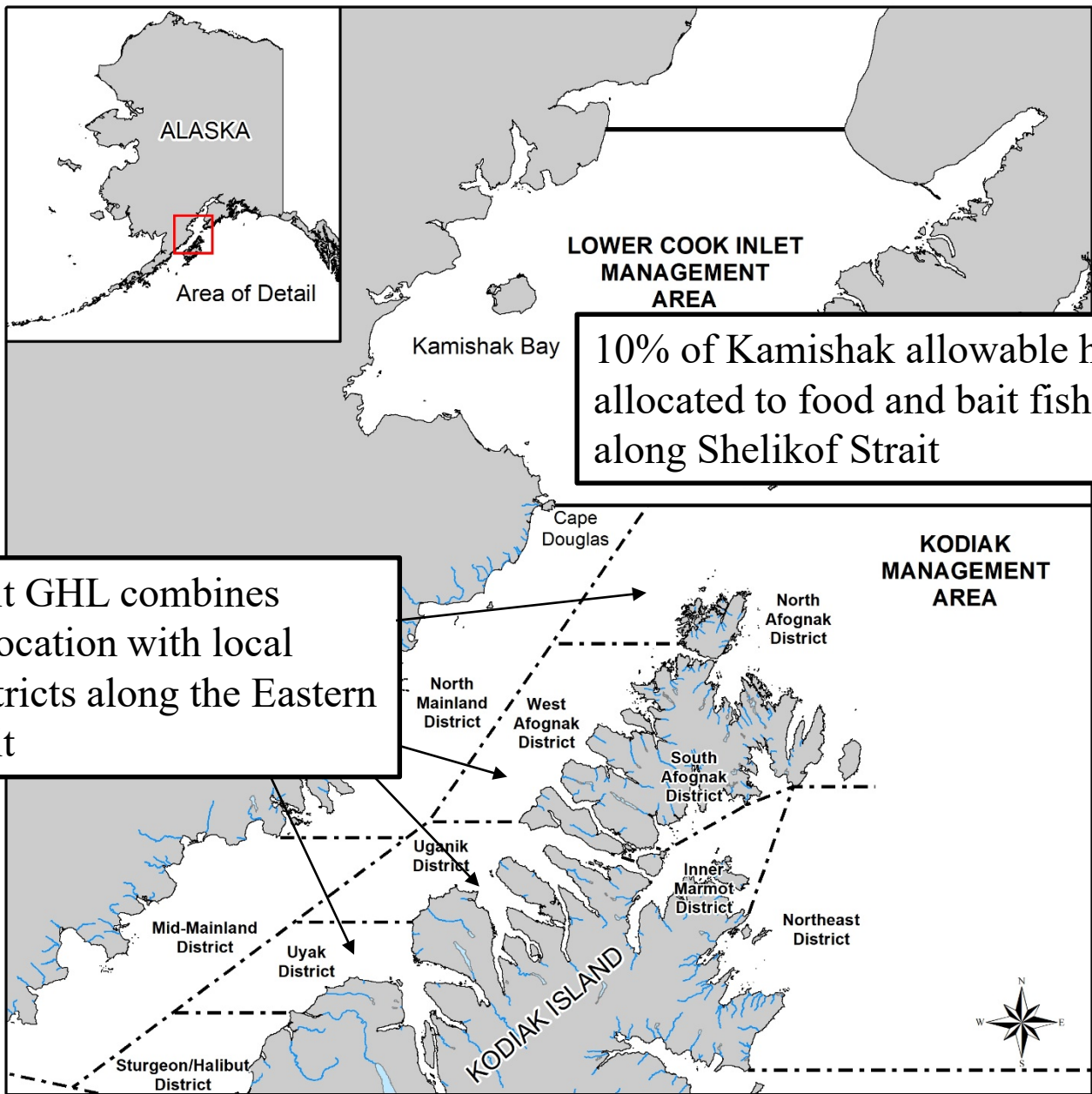
Local GHLs

Kamishak Allocation

Local GHLs

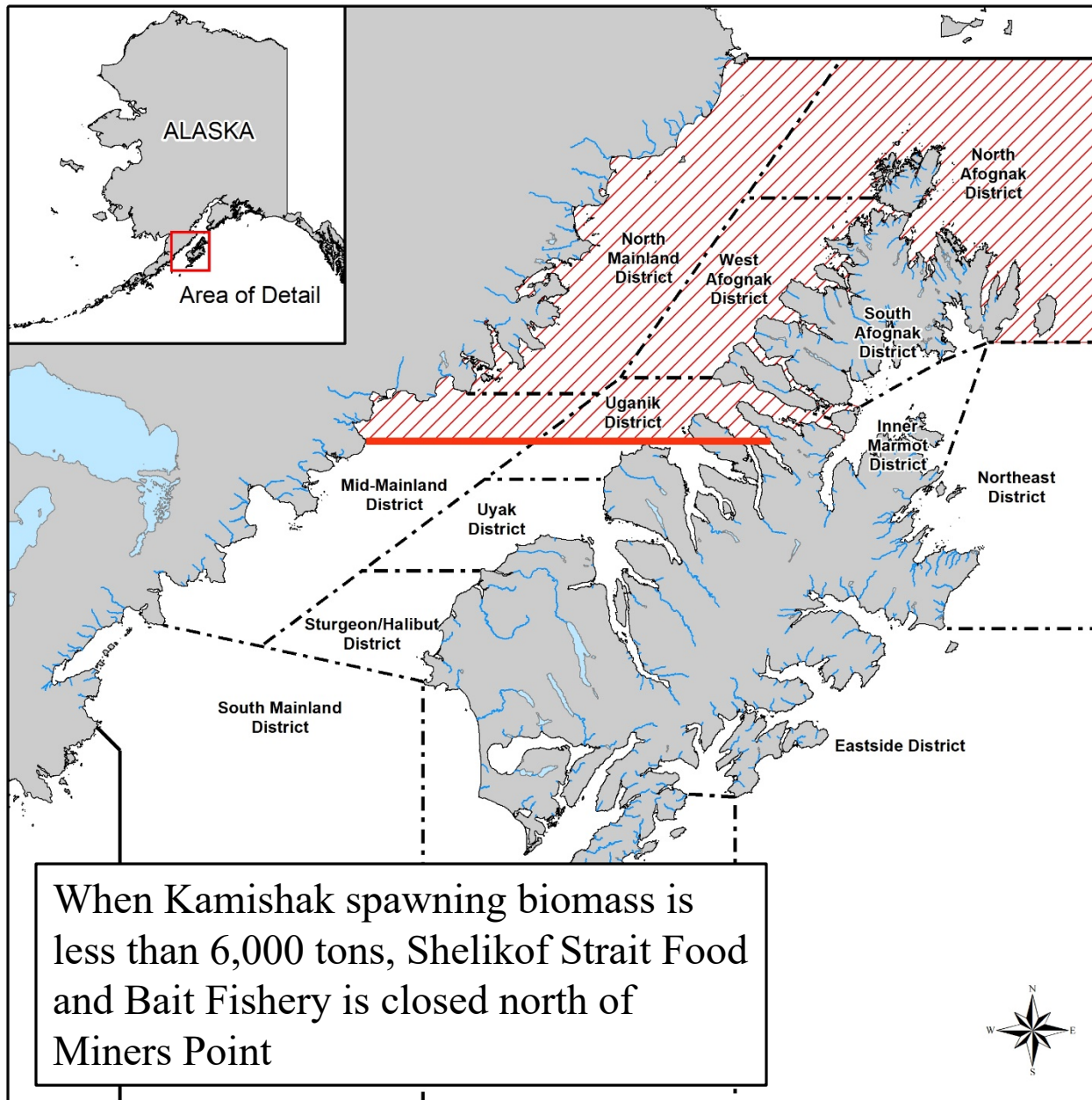


Kamishak Allocation



Shelikof Strait GHL combines Kamishak allocation with local GHLs for districts along the Eastern Shelikof Strait

Miners Point



When Kamishak spawning biomass is less than 6,000 tons, Shelikof Strait Food and Bait Fishery is closed north of Miners Point

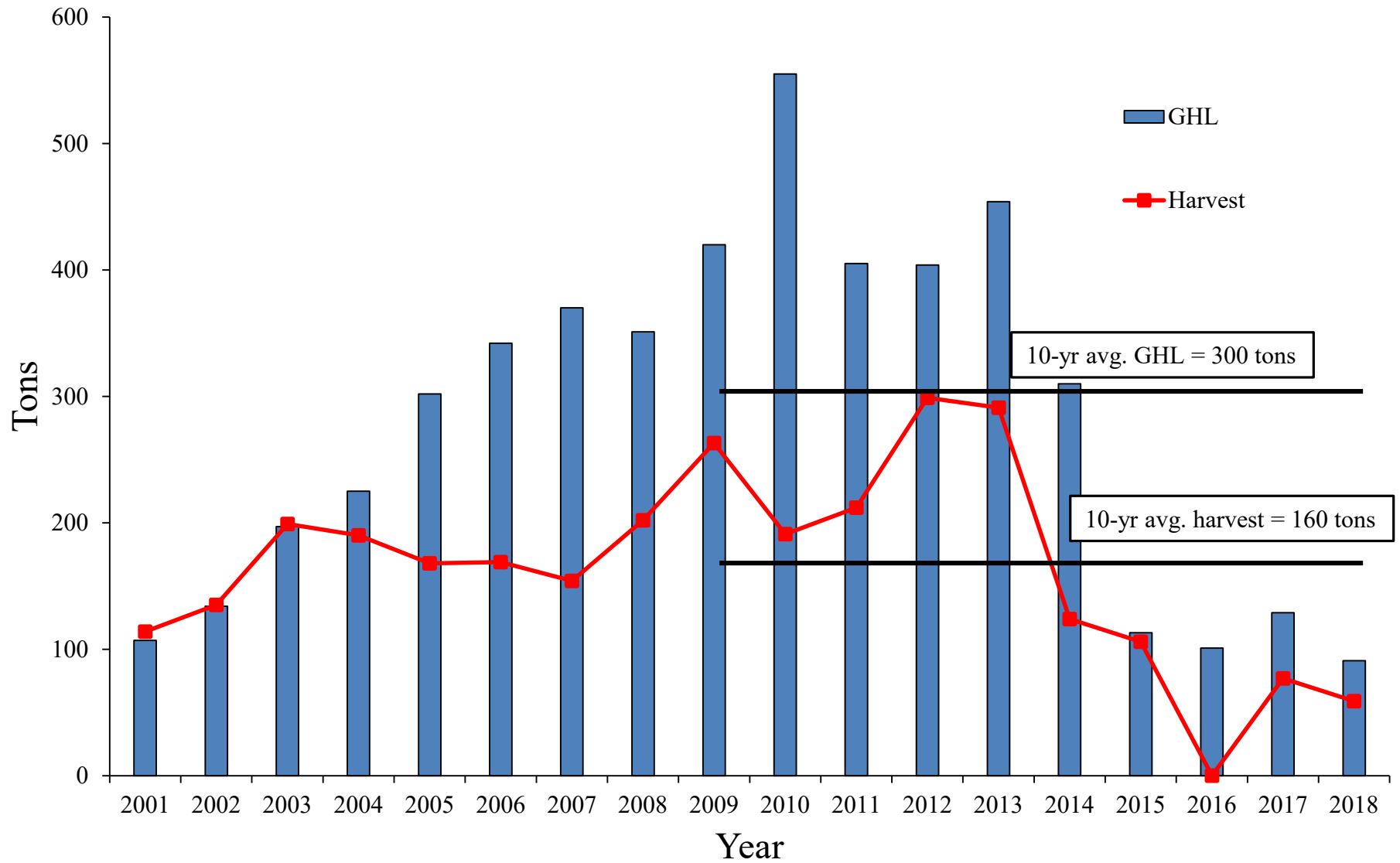
Kamishak Herring

1980s – Large biomass in Shelikof Strait during winter months

exceeded biomass of local populations

80% identified as Kamishak stock

Food and Bait GHLs vs Harvests, 2001–2018



Herring Proposals

Proposals 44 and 56 – allow fishing north of Miners Point and remove Kamishak allocation

Proposal 55 – open the KMA herring sac roe fishery April 1

Proposal 57 – eliminate allocation between gear types in the KMA sac roe fishery



Questions