

Alaska Fisheries Science Center Auke Bay Laboratories

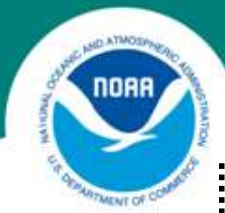




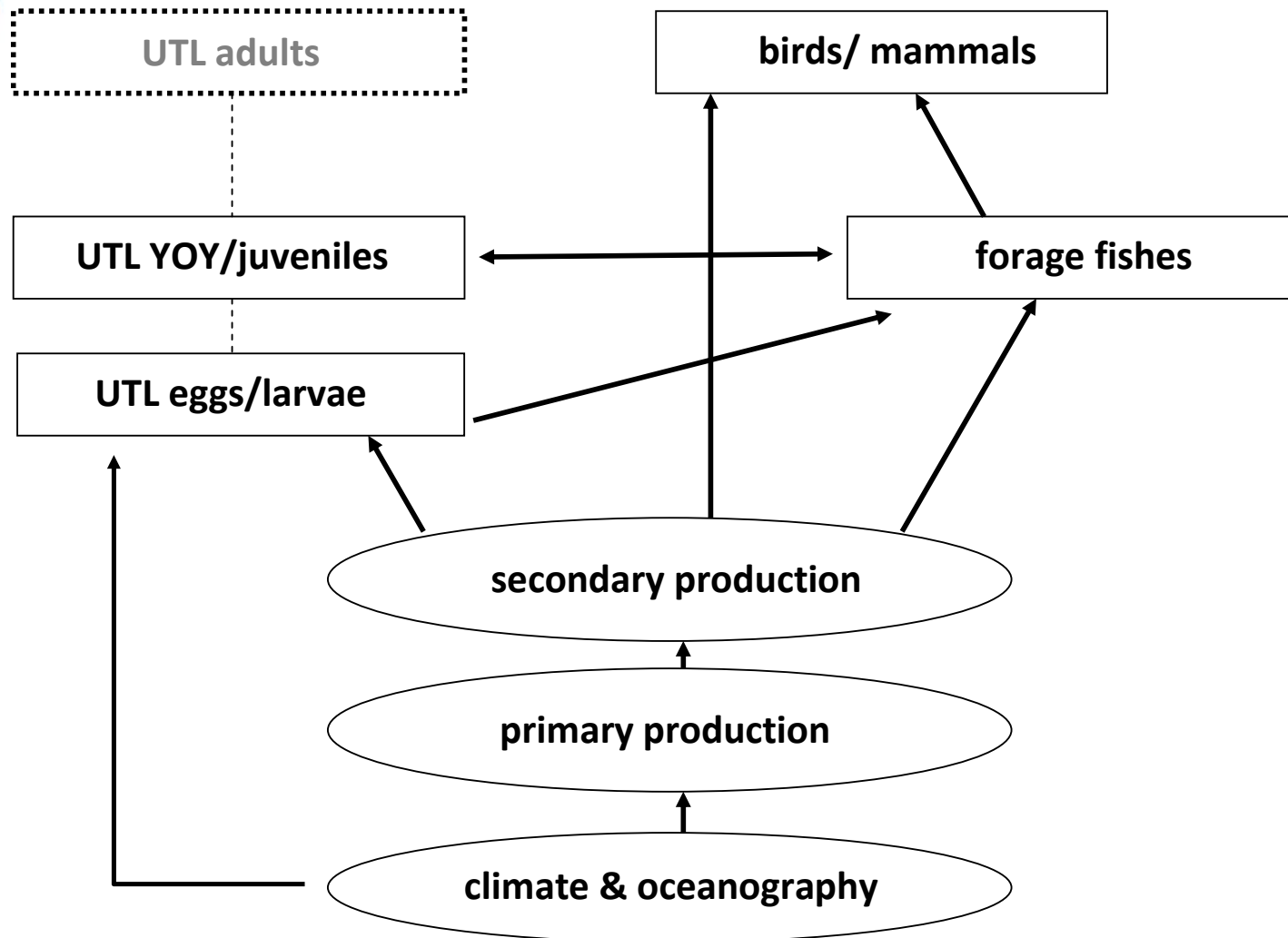
Alaska Fisheries Science Center Auke Bay Laboratories



- Bering Aleutian Salmon International Survey (BASIS)
- Gulf of Alaska Integrated Ecosystem Research Project (GOAIERP)
- Southeast Alaska Coastal Monitoring Project (SECM)
- Alaska Fisheries Science Center's Longline Survey



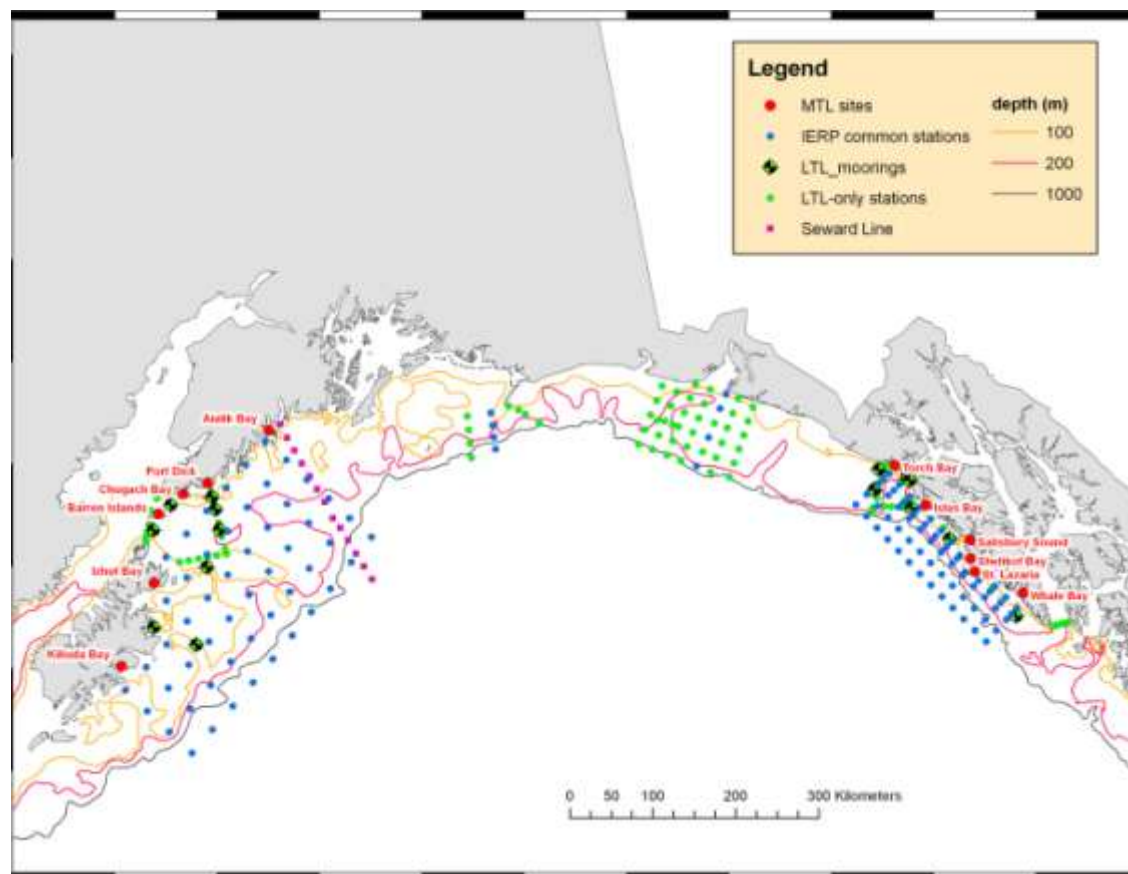
GOAIERP Conceptual Model





GOA IERP

Gulf of Alaska

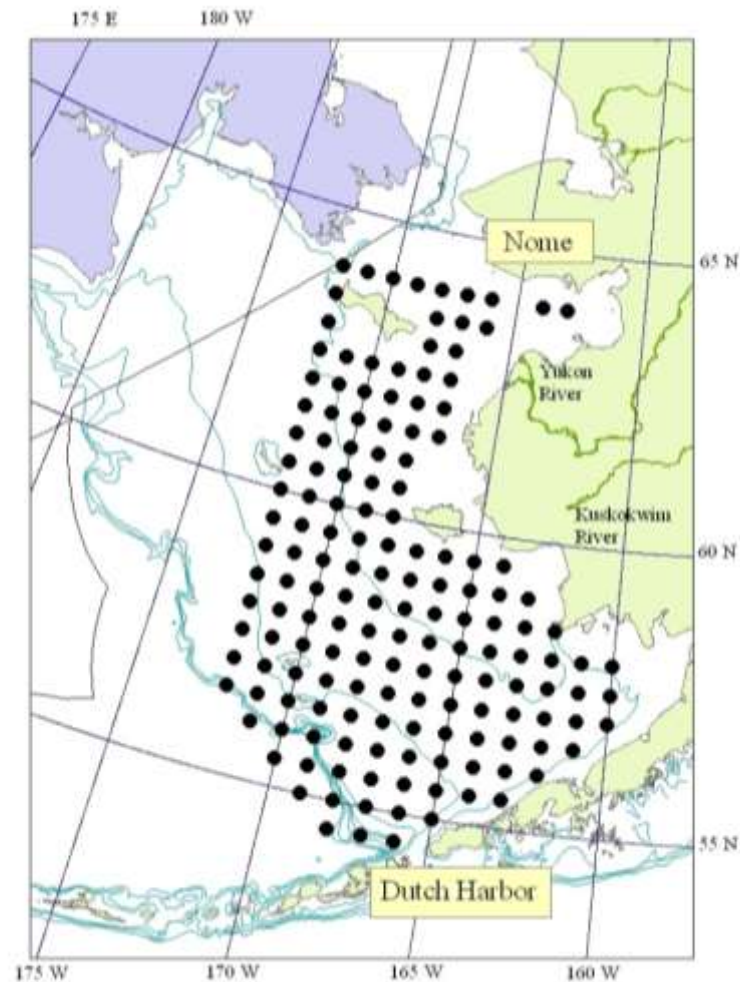


July to mid-October



BASIS

Eastern Bering Sea Survey



Mid-August to October

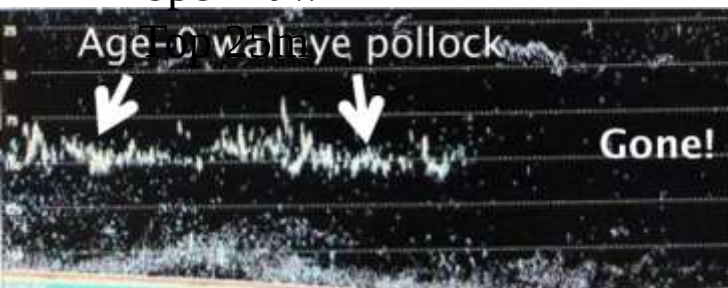


BASIS/GOAIERP Fish

Fish Abundance



Surface/midwater
Rope Trawl

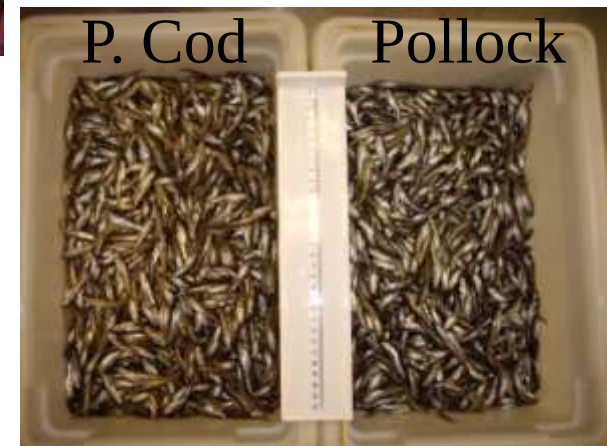


Midwater Acoustics

Diet



Caloric Content/Lipid



Age 0 Fish



BASIS/GOA IERP

Oceanography

Nutrients



CTD



Chlorophyll - a



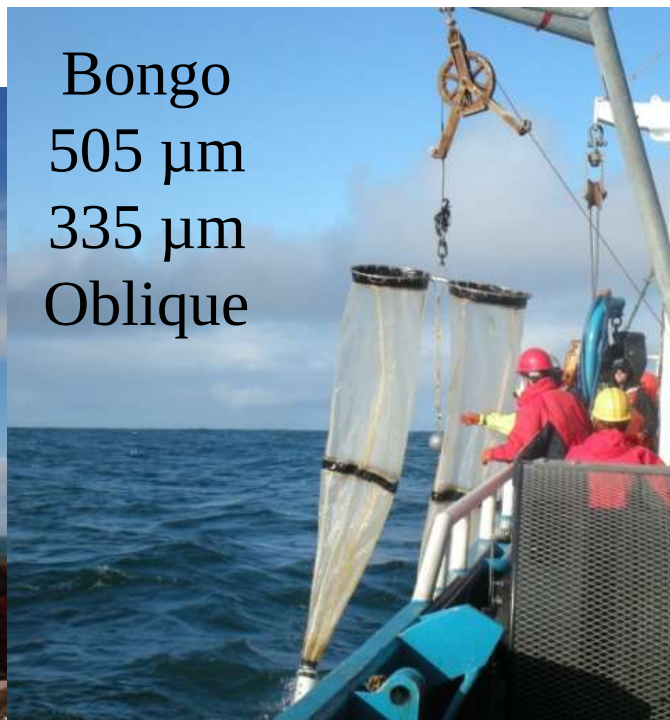


BASIS/GOAIERP Zooplankton

Juday
163 μm
Vertical

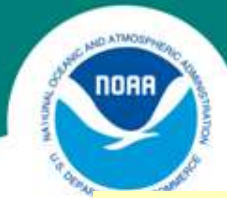


Bongo
505 μm
335 μm
Oblique



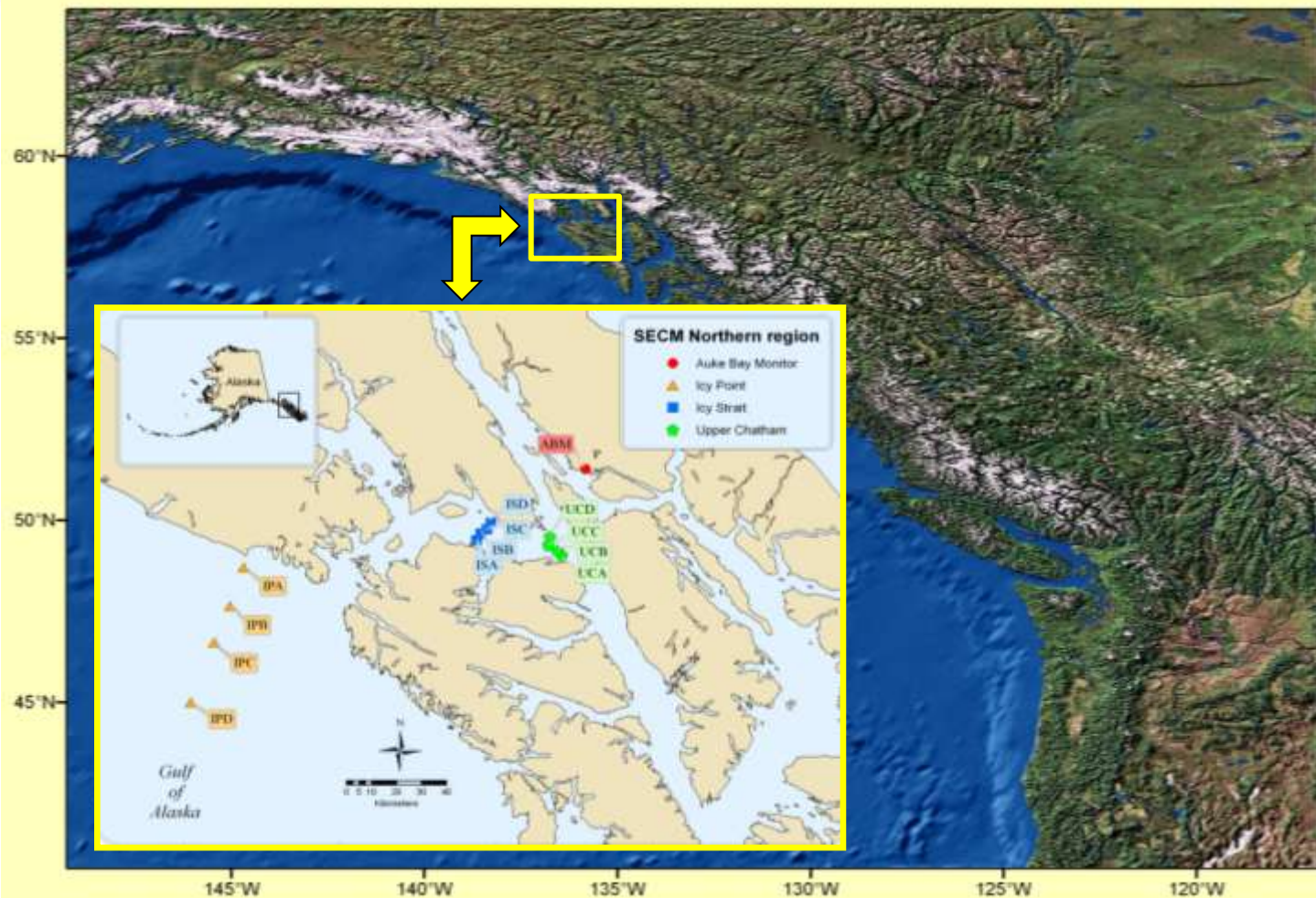
Pairvet
153 μm
Vertical





SECM

Southeast Alaska





Routine sampling at each station includes:

- CTD profile to 200 m
- 20-m vertical NORPAC
- 200-m oblique Bongo
- 20 min rope trawl haul

ABL's SECM project



SECM

Physical
data

Zooplankton
biomass/diet

Catches
(CPUE)

Pink

Chum

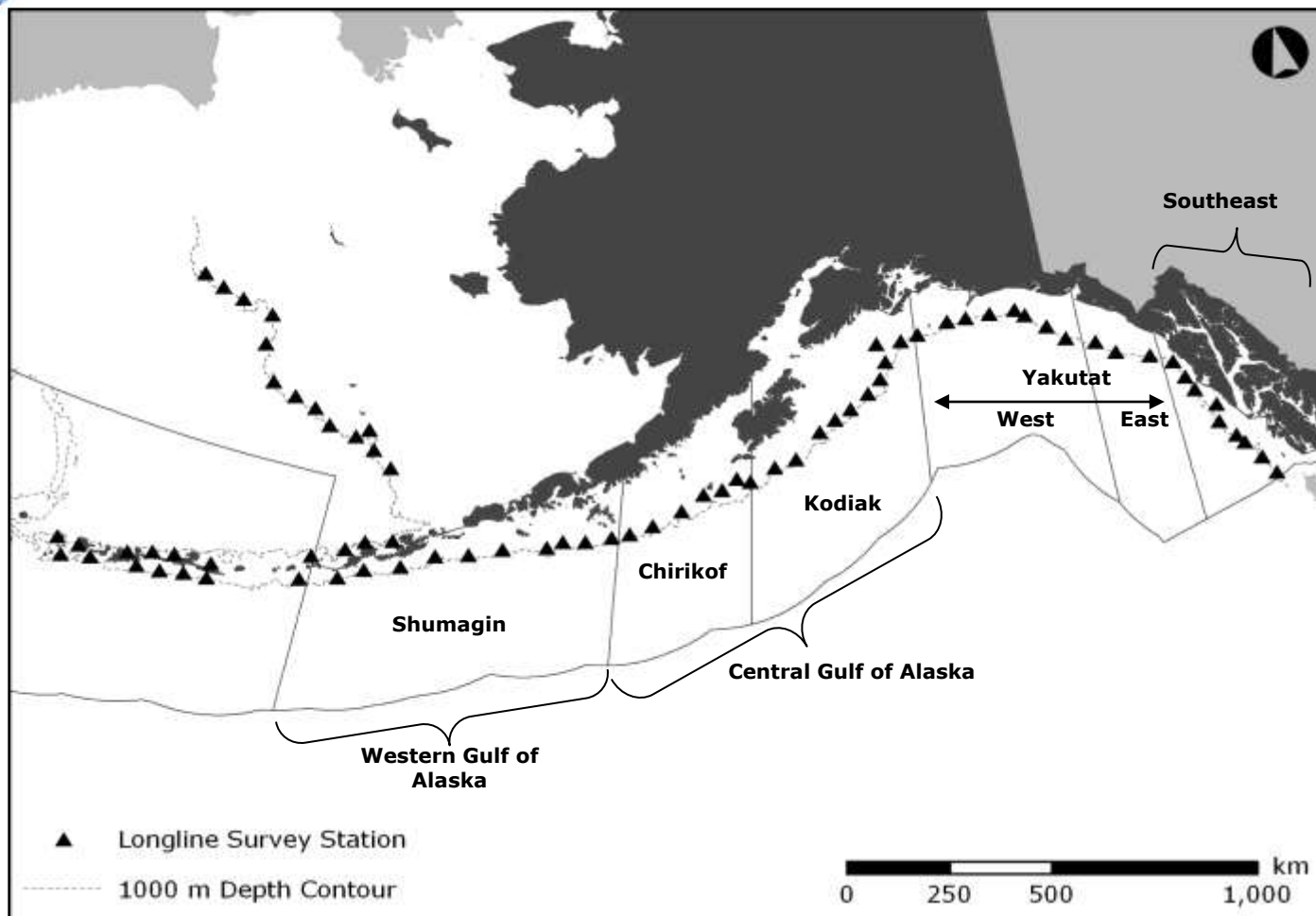
Size & growth

Stock comp

Predation



Longline Survey





Longline Survey

- Hook and line gear
- Catch tally – CPUE/RPN
- Lengths
- Tagged fish
- Sablefish biological data





Longline Survey

- Electronic catch tally
- Barcode length system
- Onboard database checks
- Survey database online

