



# STATUS OF STEELHEAD IN ALASKA

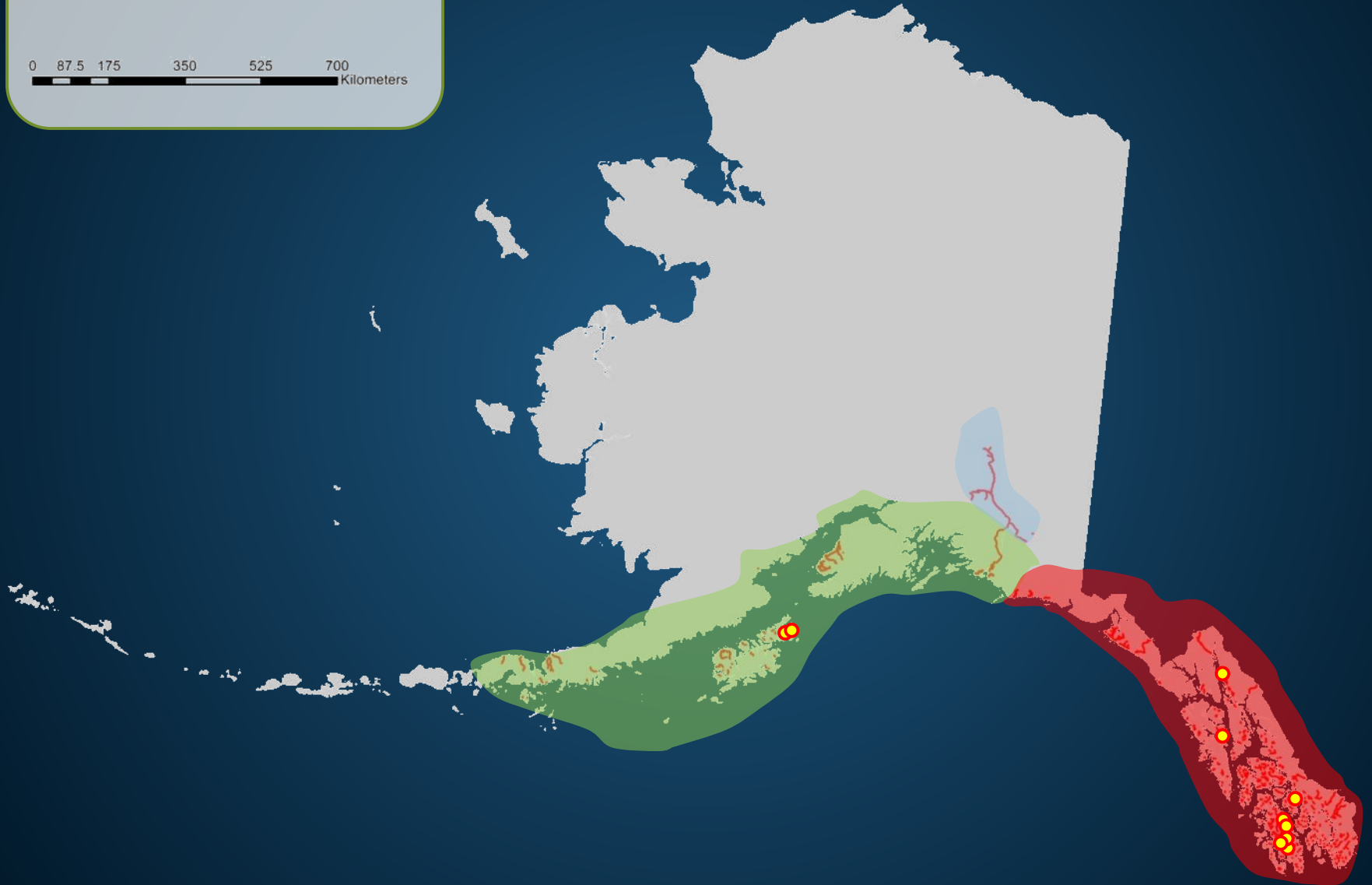


Brian Marston  
Alaska Department of Fish and Game  
Area Fishery Biologist, Soldotna,  
Alaska

# Steelhead Streams in Alaska

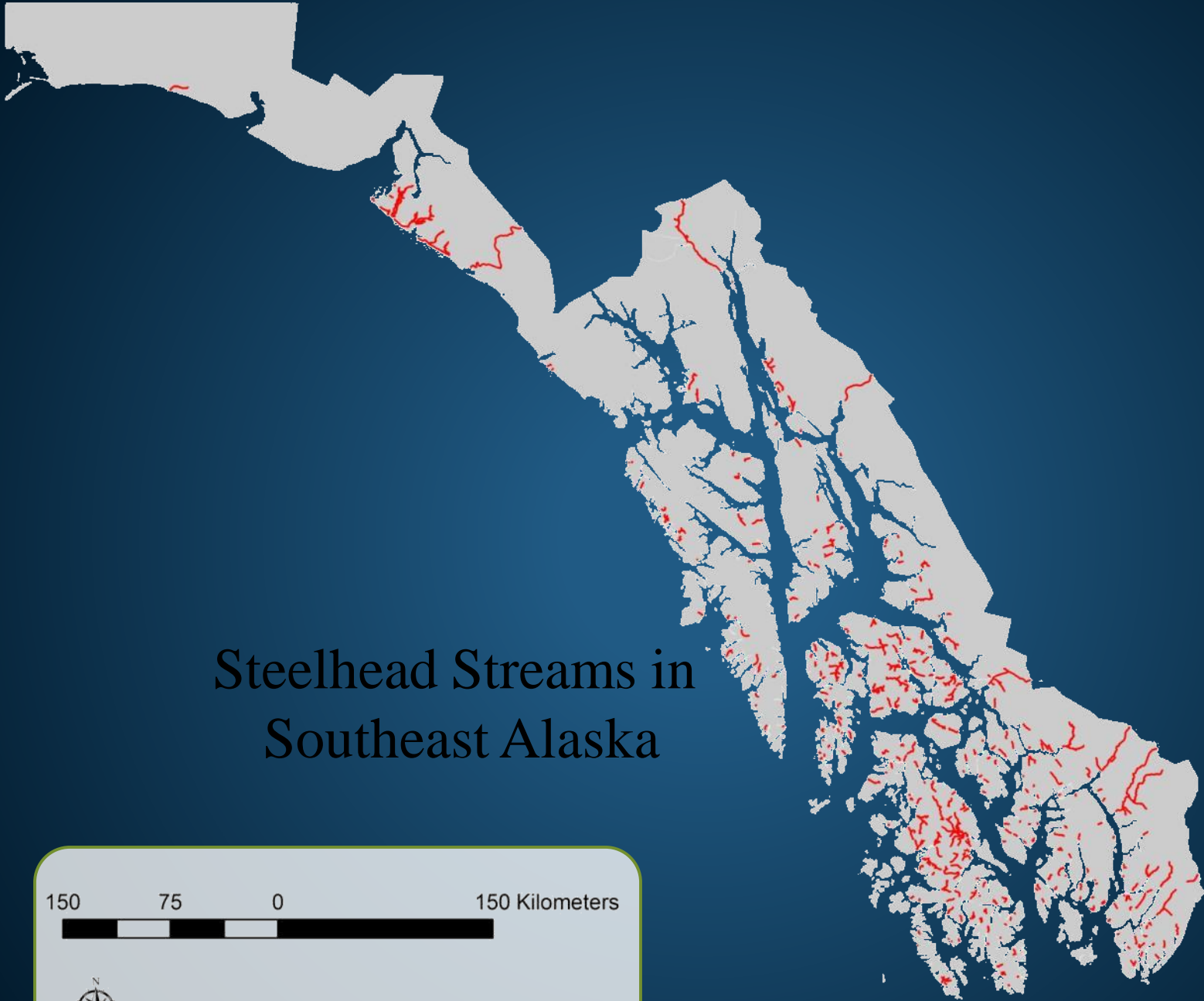


0 87.5 175 350 525 700 Kilometers

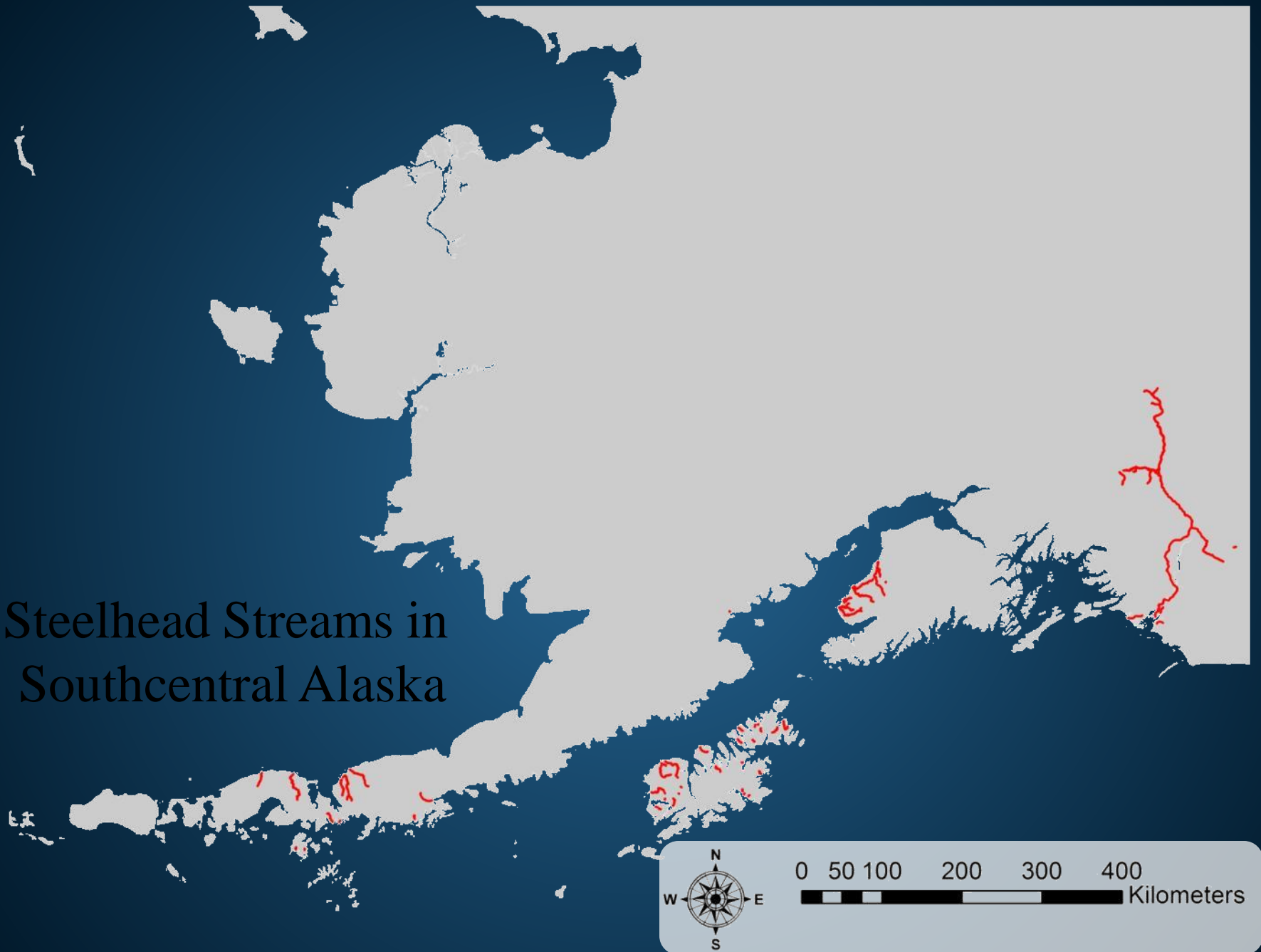


# Steelhead Streams in Southeast Alaska

150 75 0 150 Kilometers



# Steelhead Streams in Southcentral Alaska



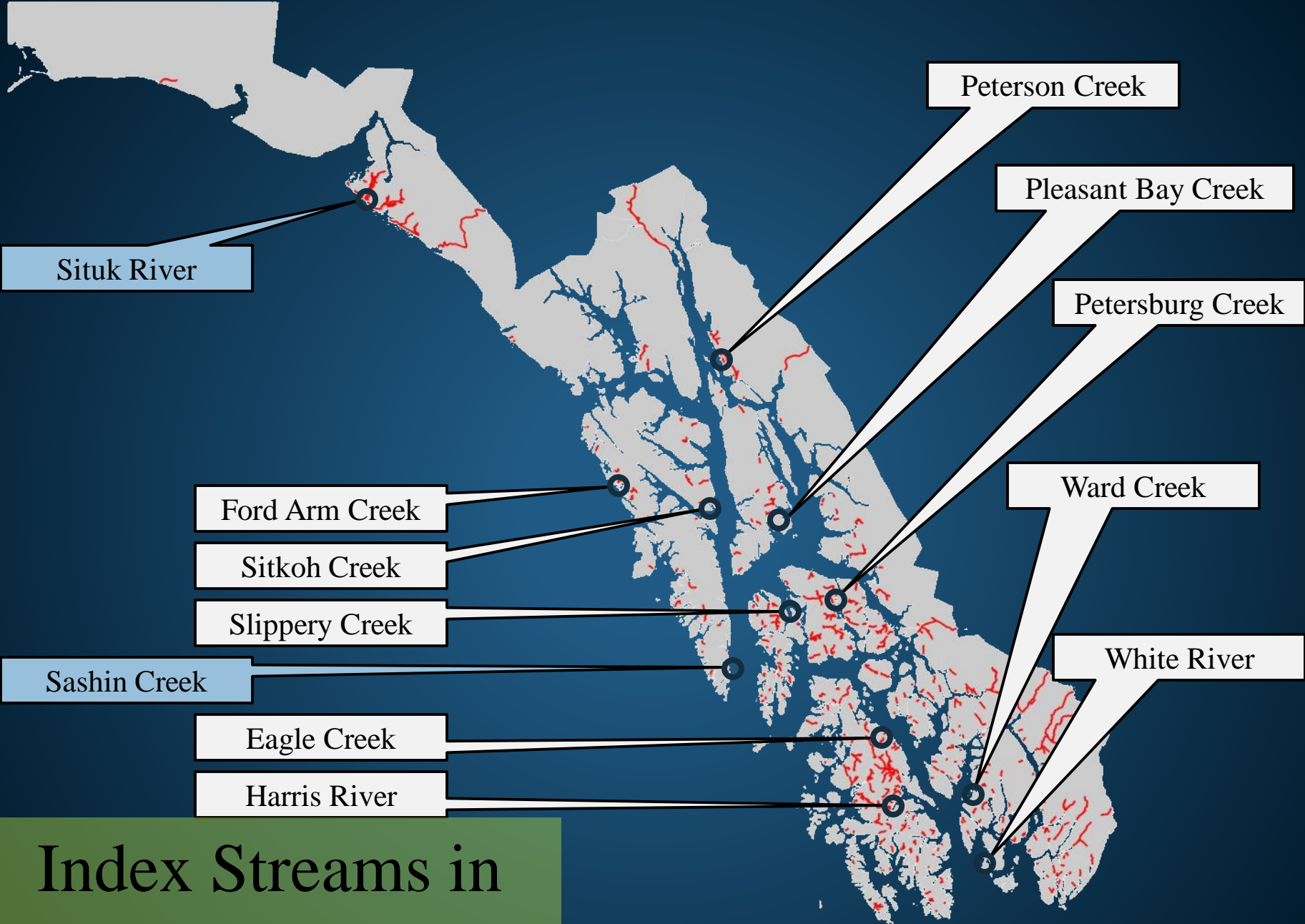
# STOCK STATUS ASSESSMENTS



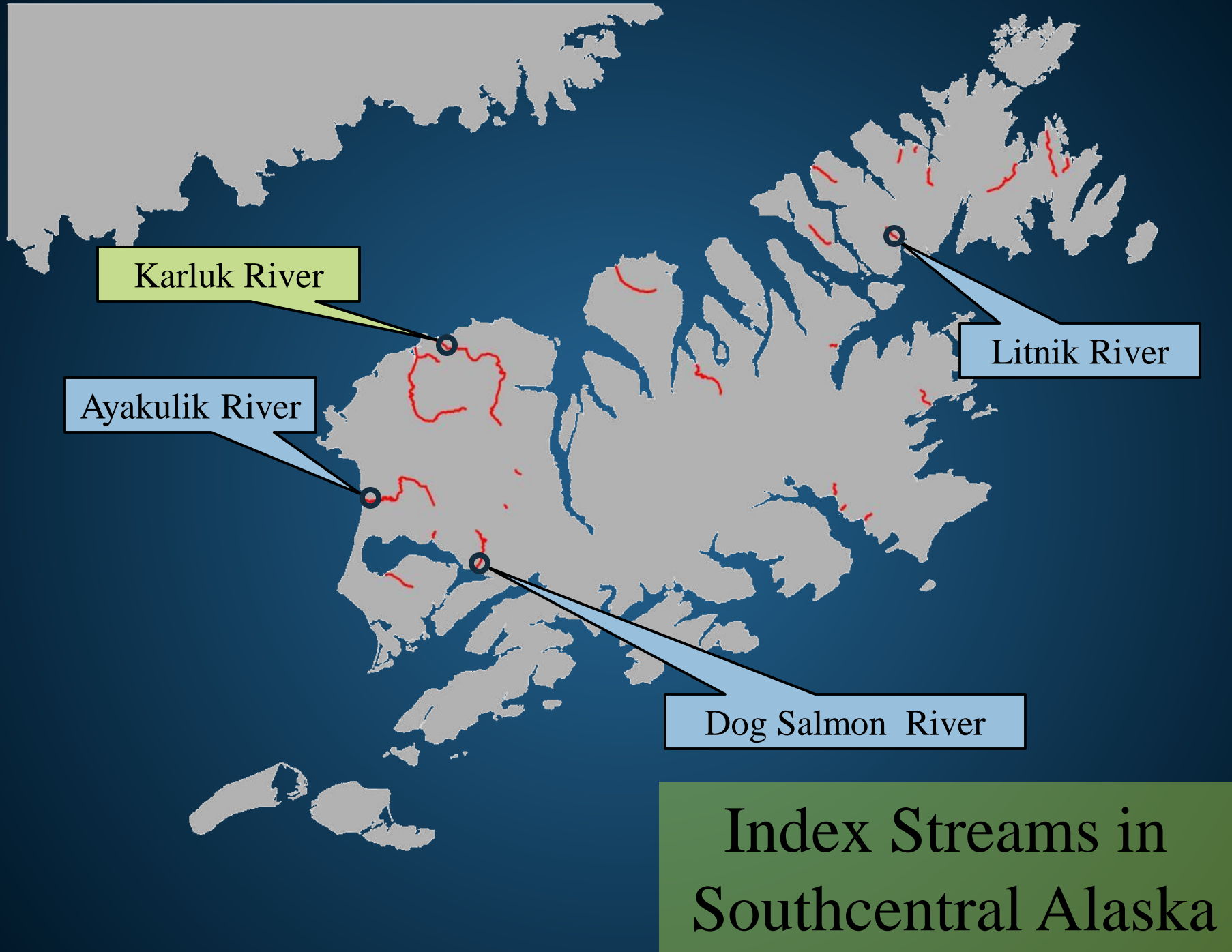
- Weir counts of kelts and or adults upstream
  - Length sampling
  - Scale sampling and analysis
  - Southeast and South central
  - Mark recapture abundance

- Snorkel surveys
  - Peak Counts
  - Used only in Southeast Alaska
    - Run timing



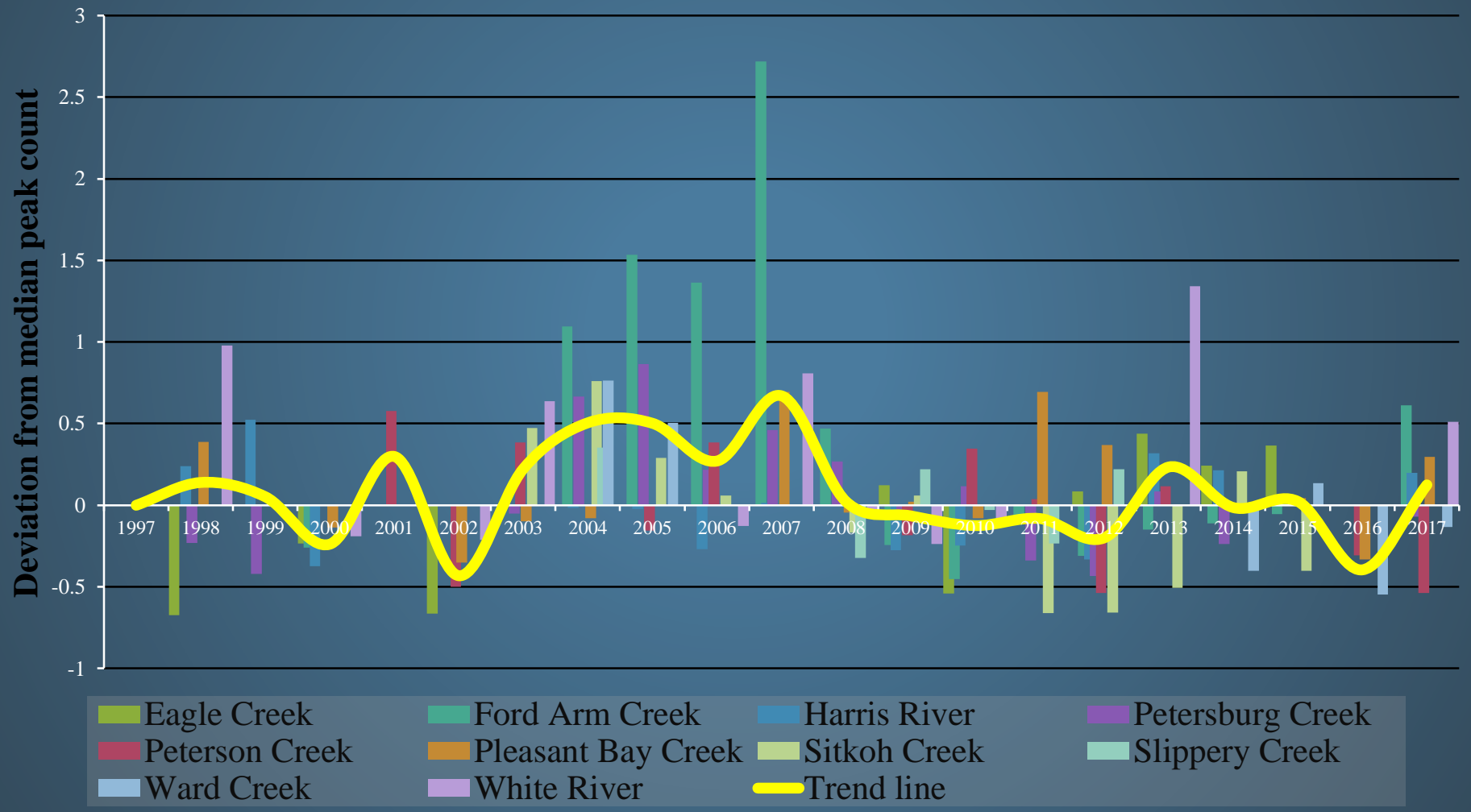


Index Streams in  
Southeast Alaska



# SOUTHEAST ALASKA STEELHEAD SNORKEL SURVEY INDEX STREAM; RELATIVE ABUNDANCES

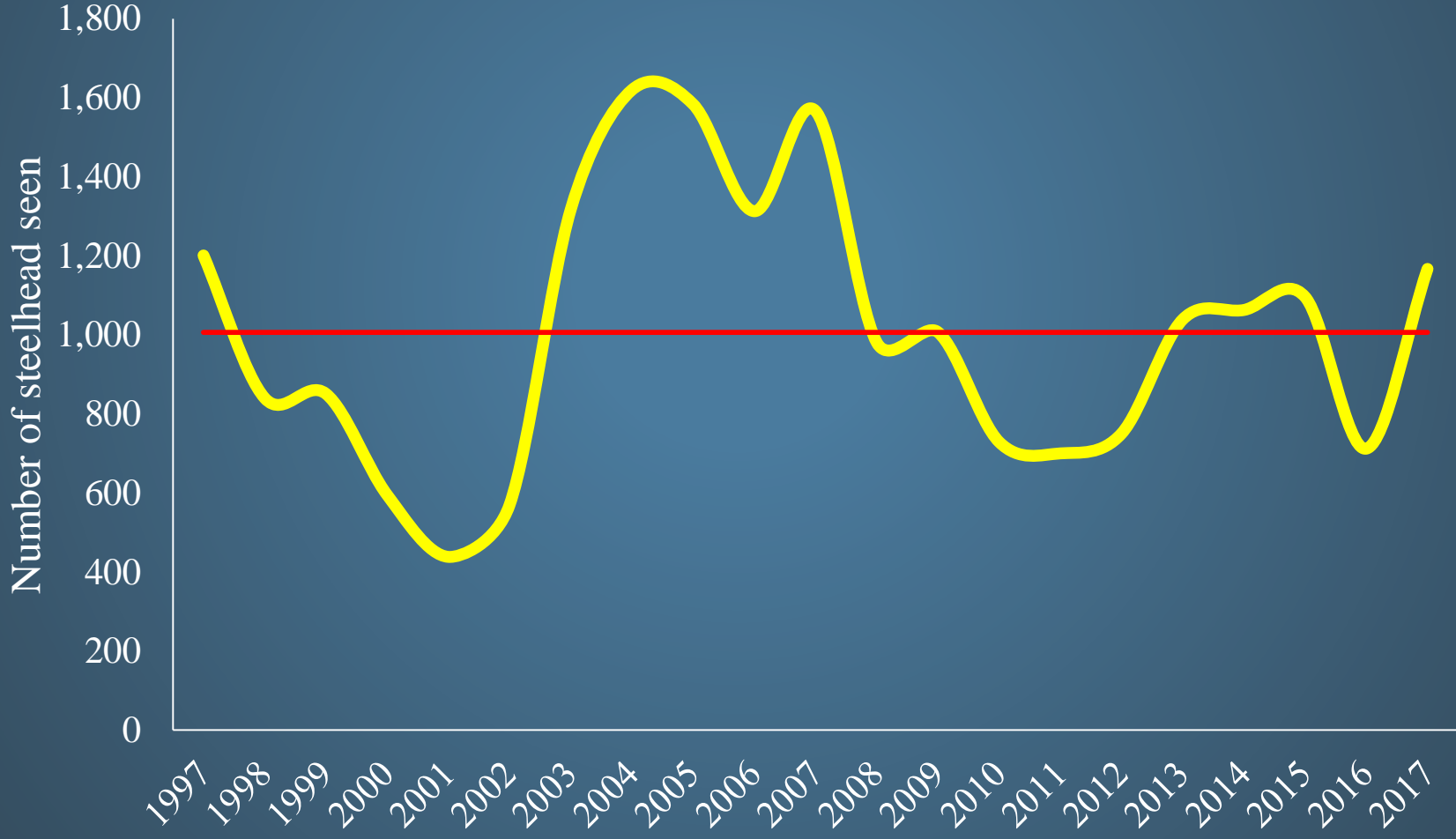
## Regional Trend in SEAK Steelhead Index Surveys





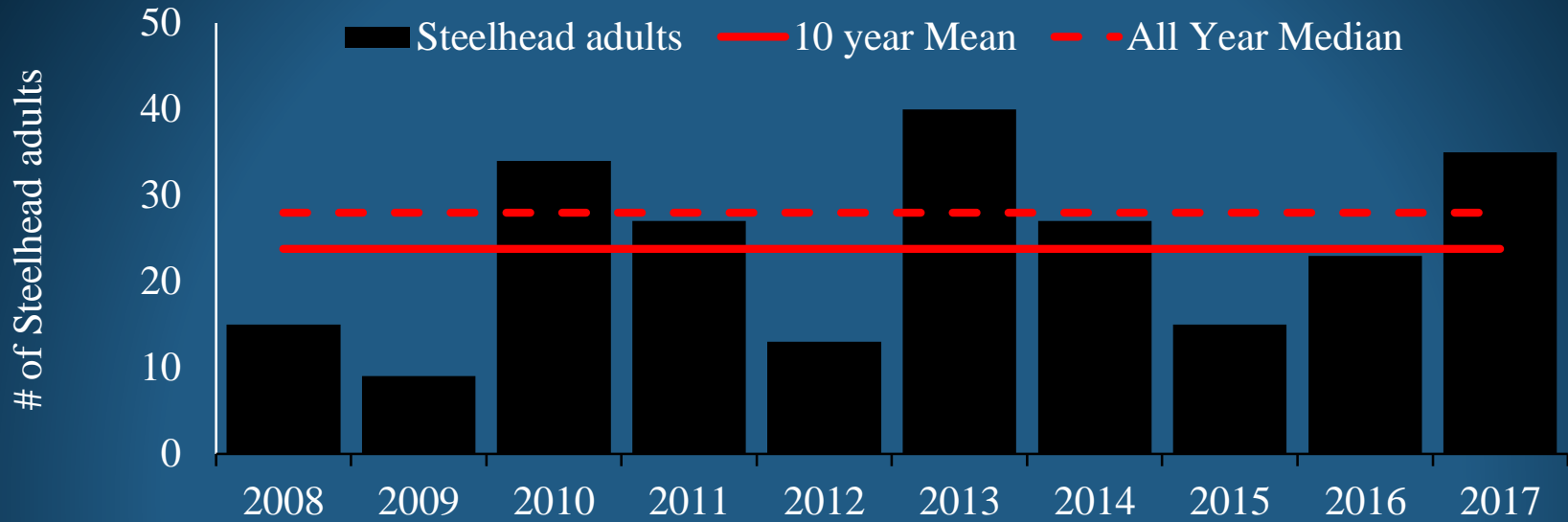
# Southeast Alaska Steelhead Snorkel Survey Index Streams; Abundance

Summed peak counts each year on SE Alaska steelhead snorkel counts

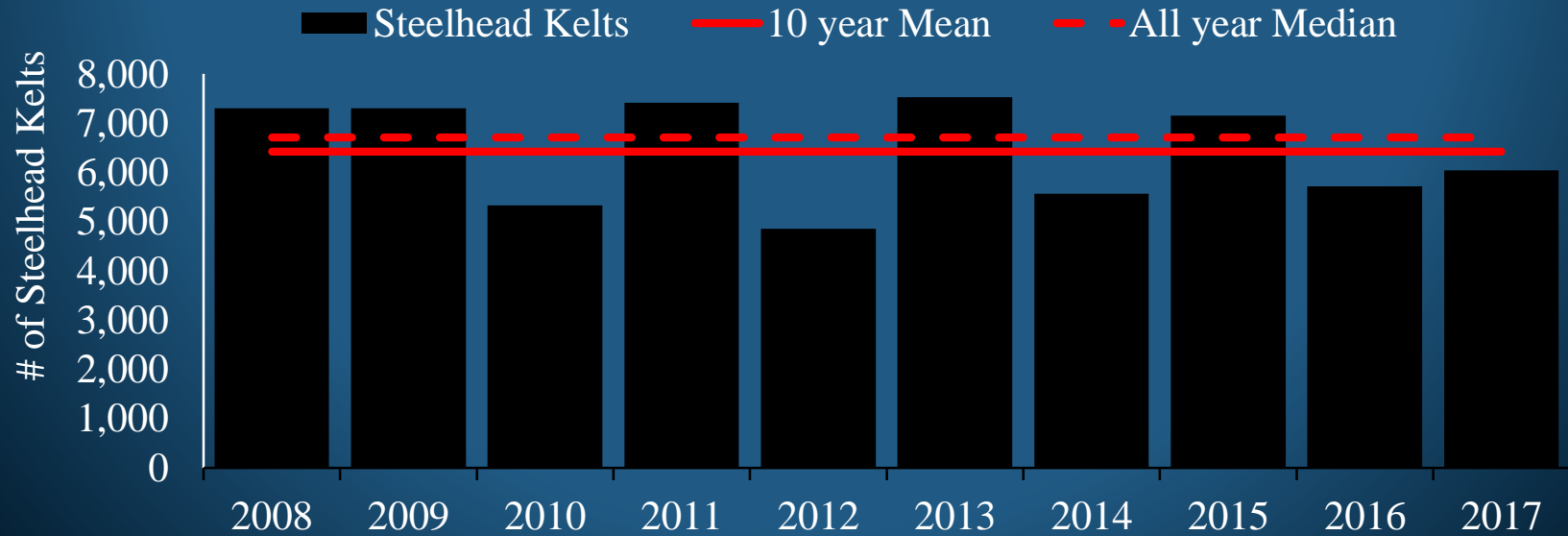


# WEIR COUNTS – SOUTHEAST ALASKA

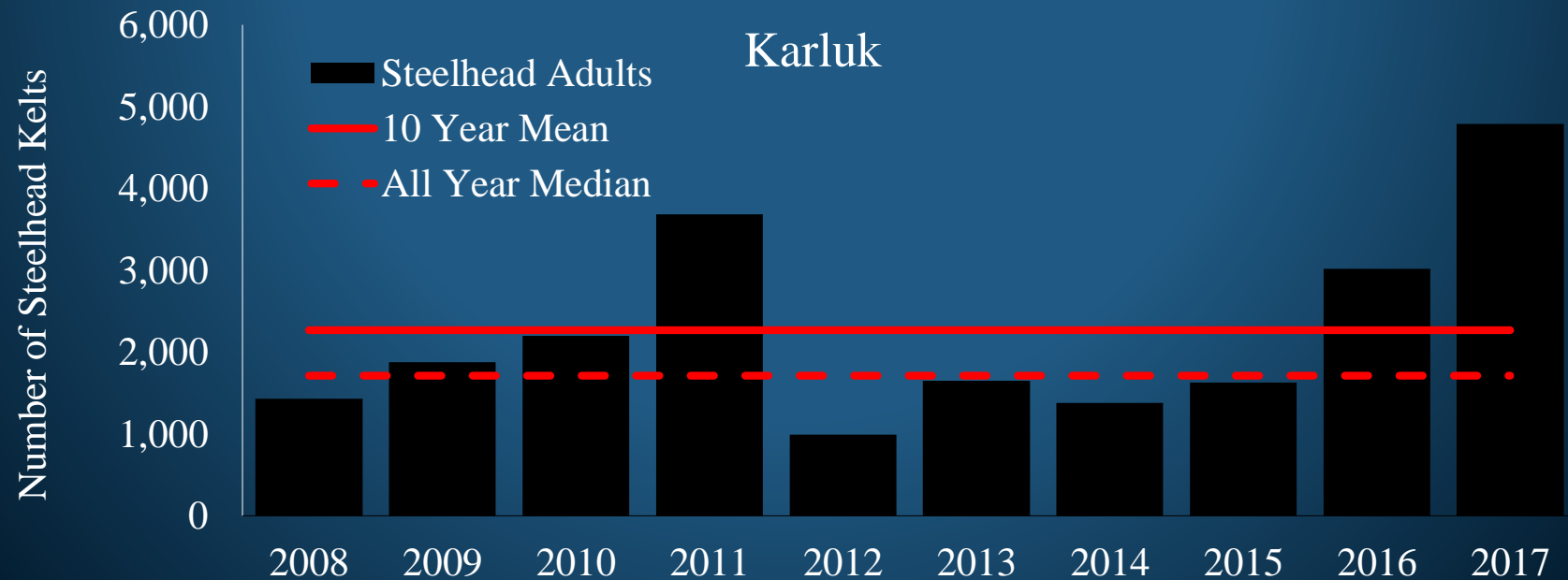
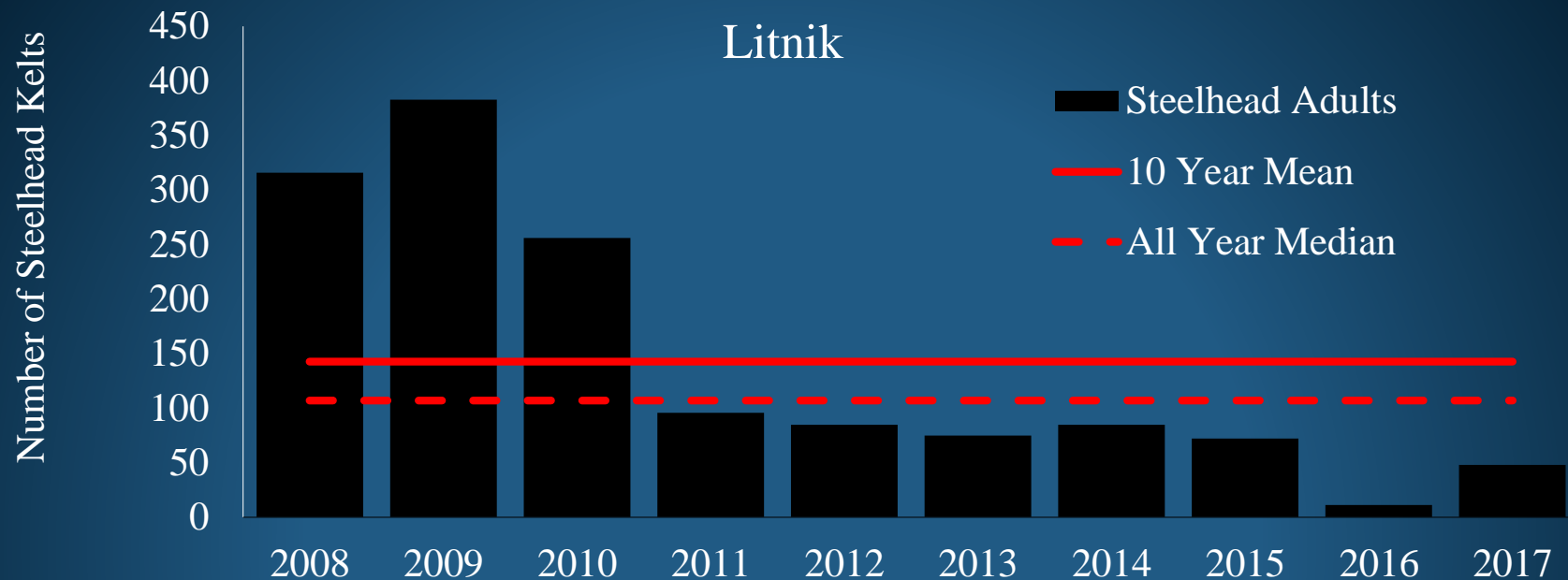
## Sashin Creek



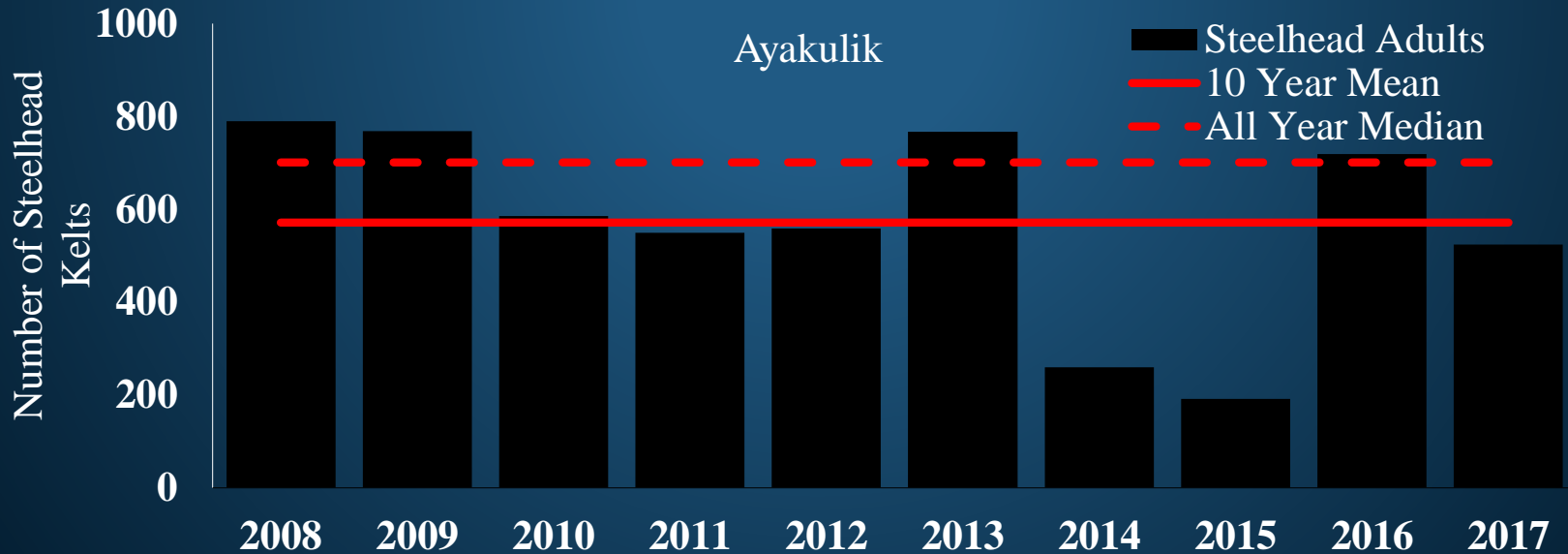
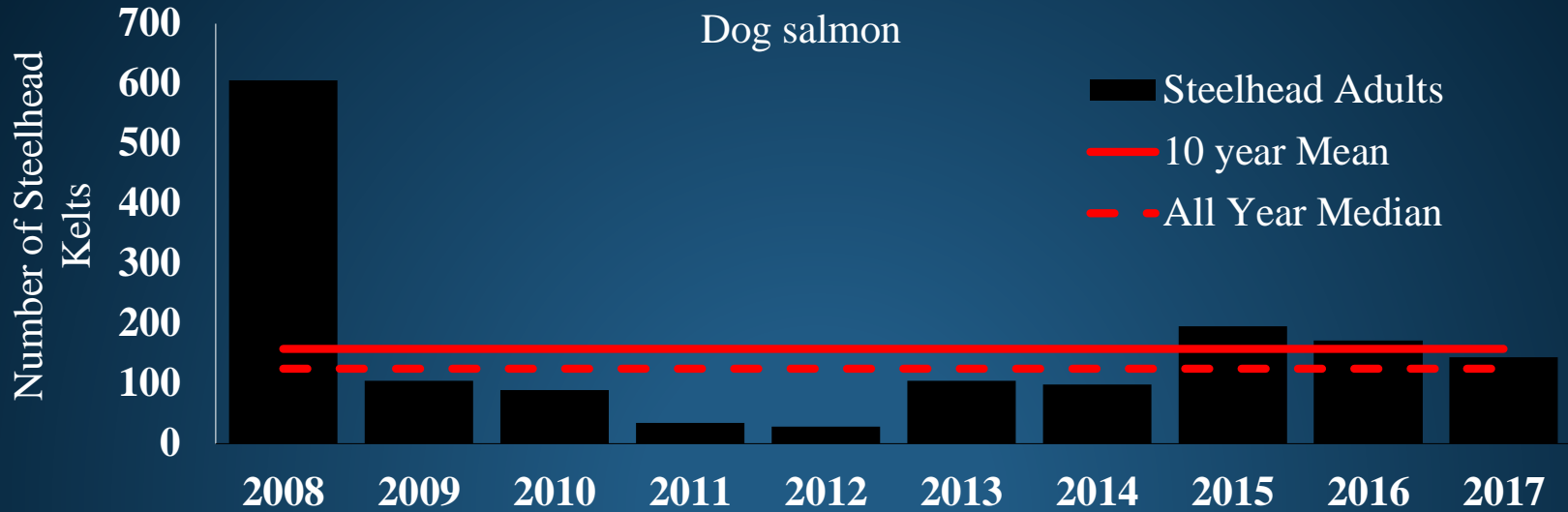
## Situk River



# WEIR COUNTS – SOUTHCENTRAL ALASKA



# WEIR COUNTS - SOUTHCENTRAL ALASKA



# SPORT FISHERY REGULATIONS

- Southcentral Alaska

Harvest Limit: 1 per day, 2 annually (> 20 inches)

Spawning area closures (Kenai tribs, Kasilof \* )

Winter closures

Kodiak Road Zone: C&R

Trout: 2 per day (<16) in combination  
with cutthroat

- Upper Copper River

2 per day, 1 (> 20 inches)

Catch and release

Spawning closures

- Southeast Alaska

Harvest Limit: 1 per day,  
2 annually (> 36 inches  
minimum)

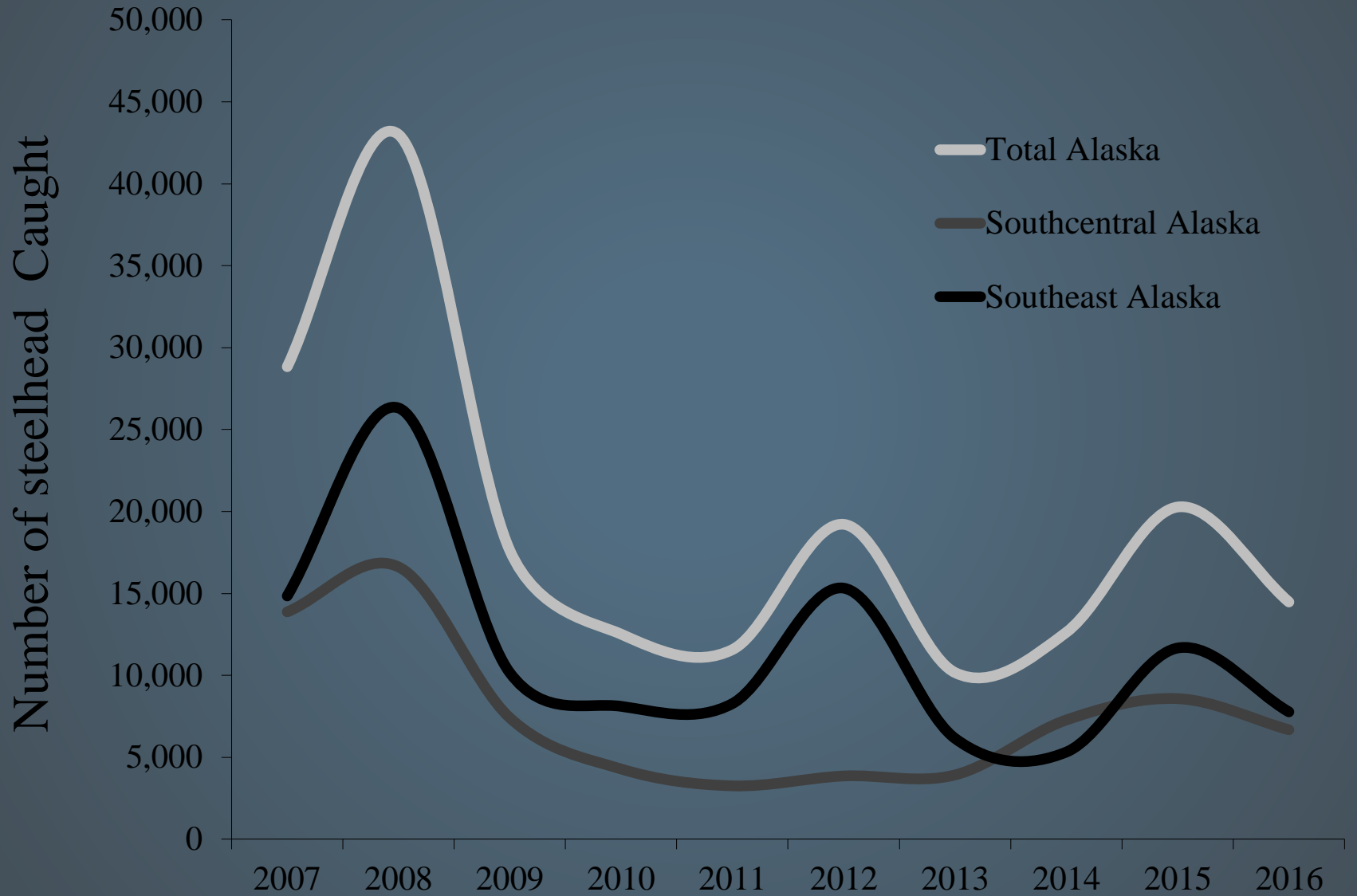
Catch and release

Spawning area closures

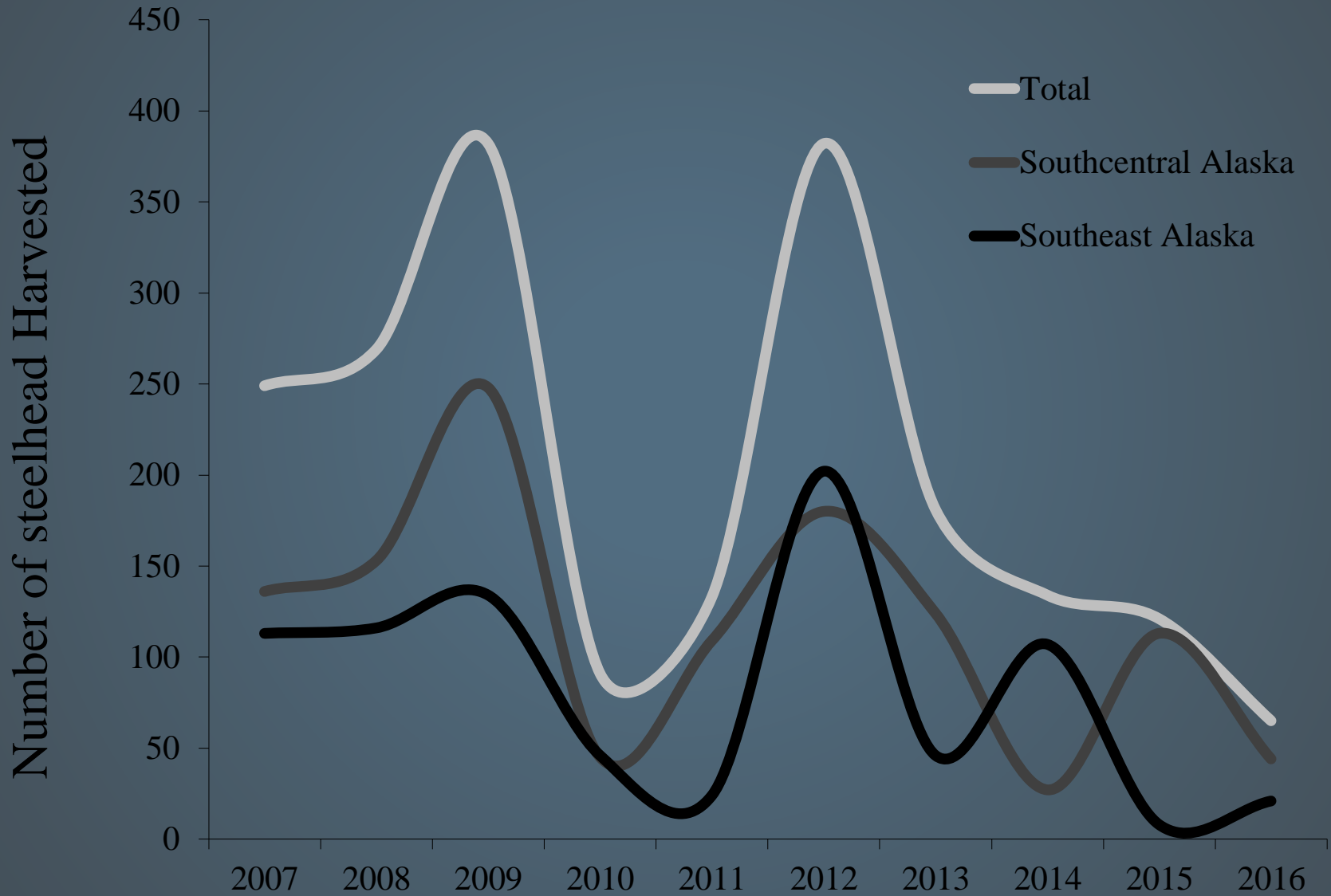
Trout: 2 per day (11-22)  
in combination with  
cutthroat



# STATEWIDE CATCH SURVEY; ANGLING CATCH

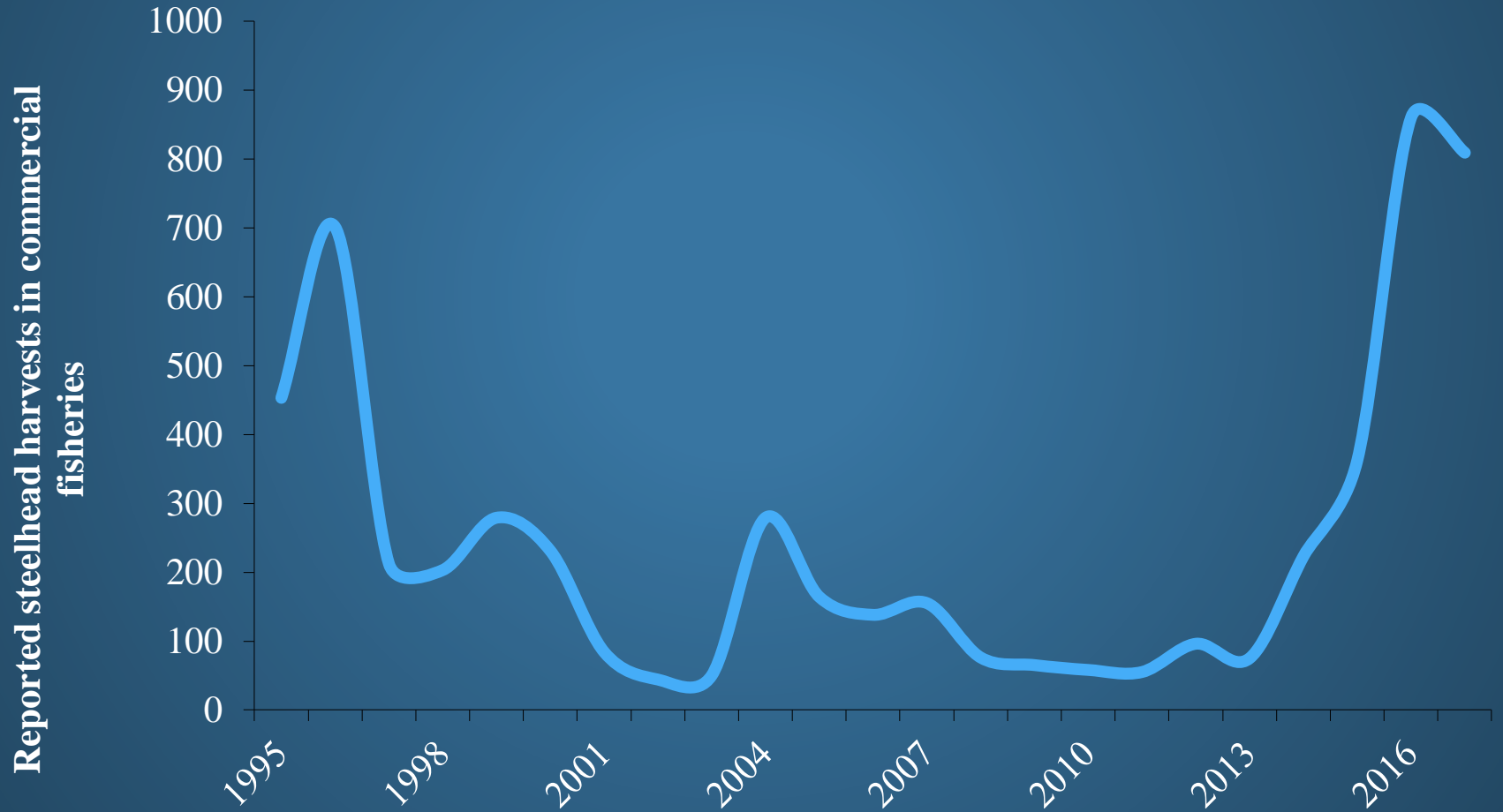


# STATEWIDE HARVEST SURVEY; ANGLING HARVEST



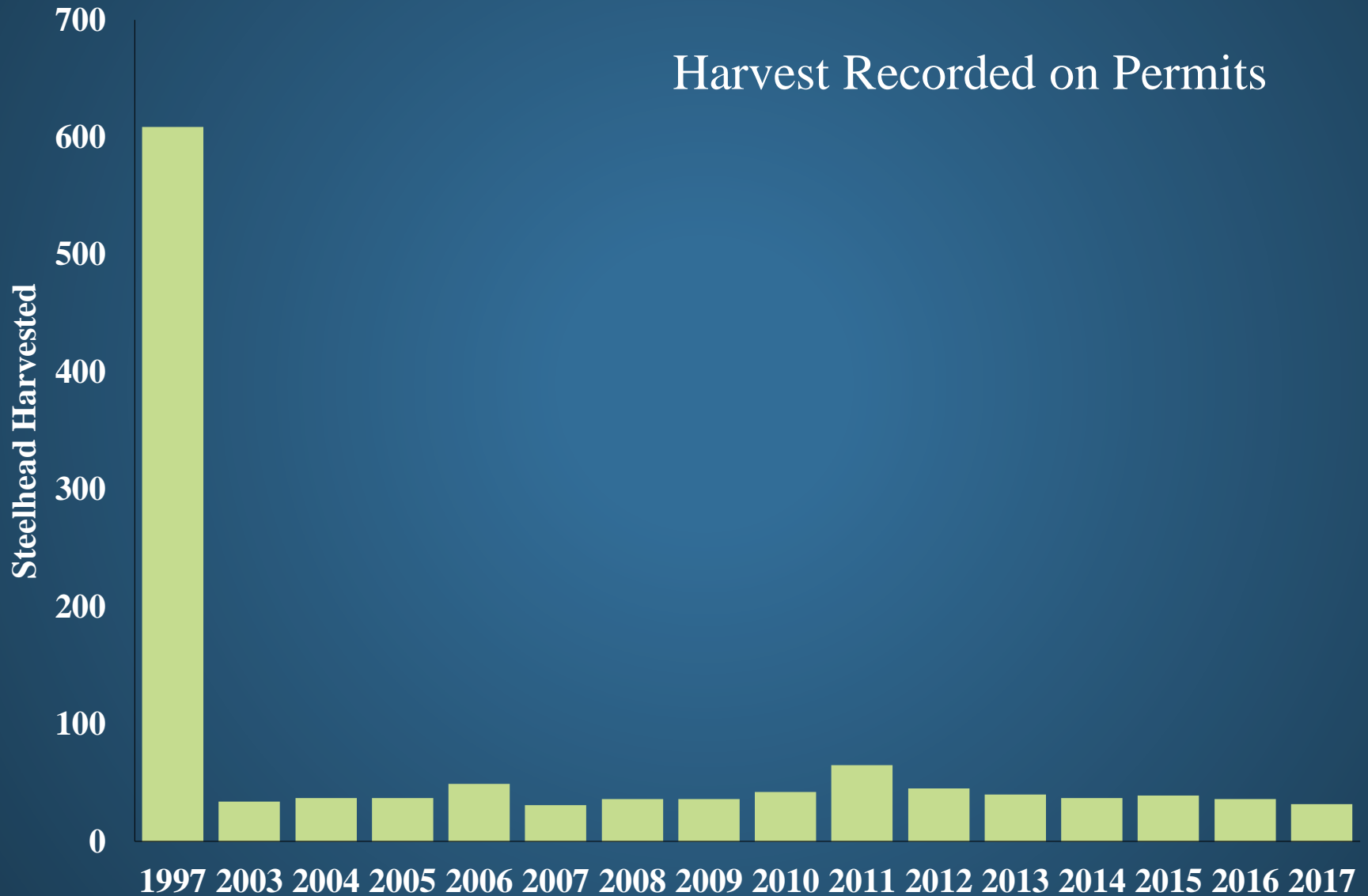


# COMMERCIAL STEELHEAD HARVEST ALASKA

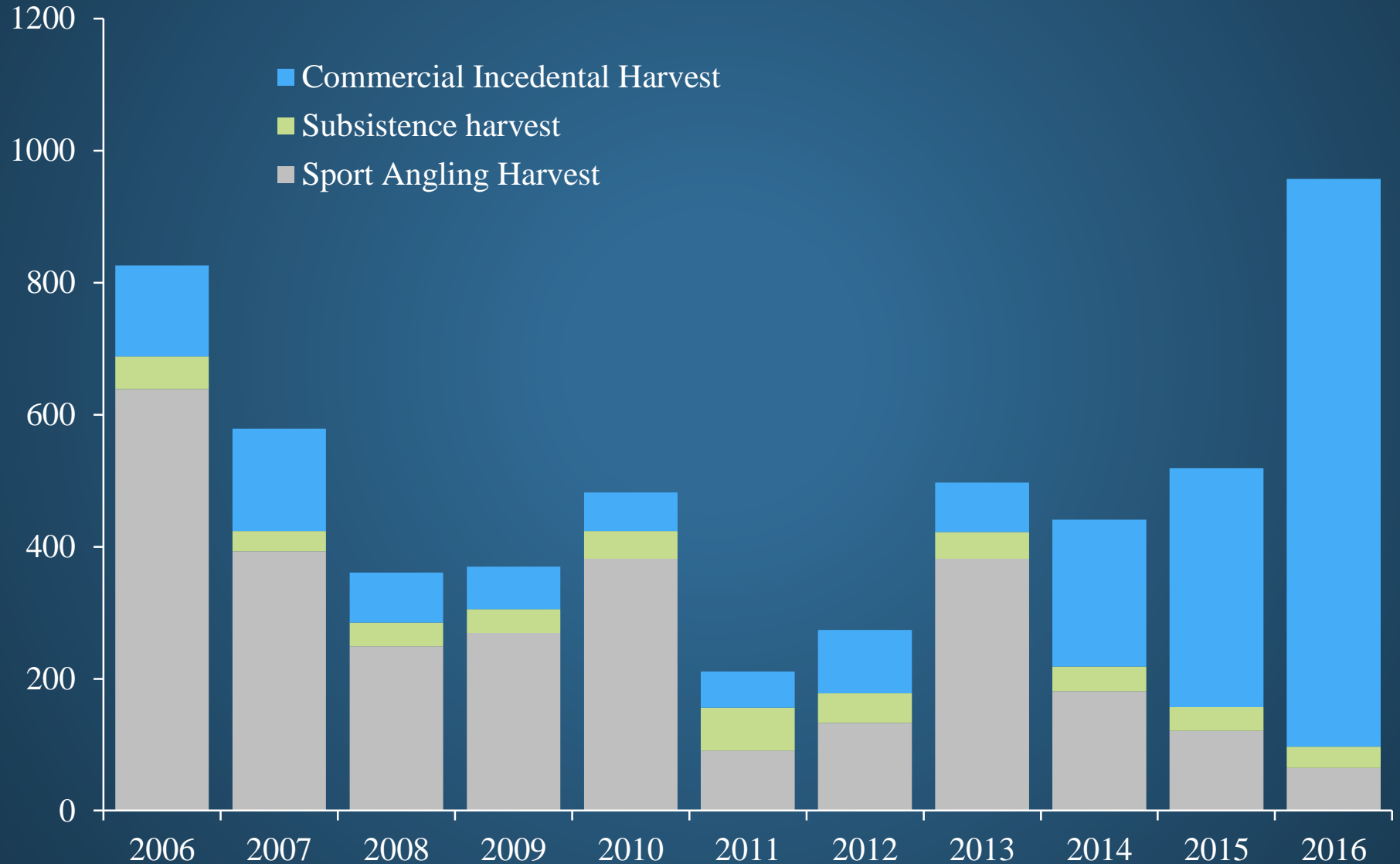




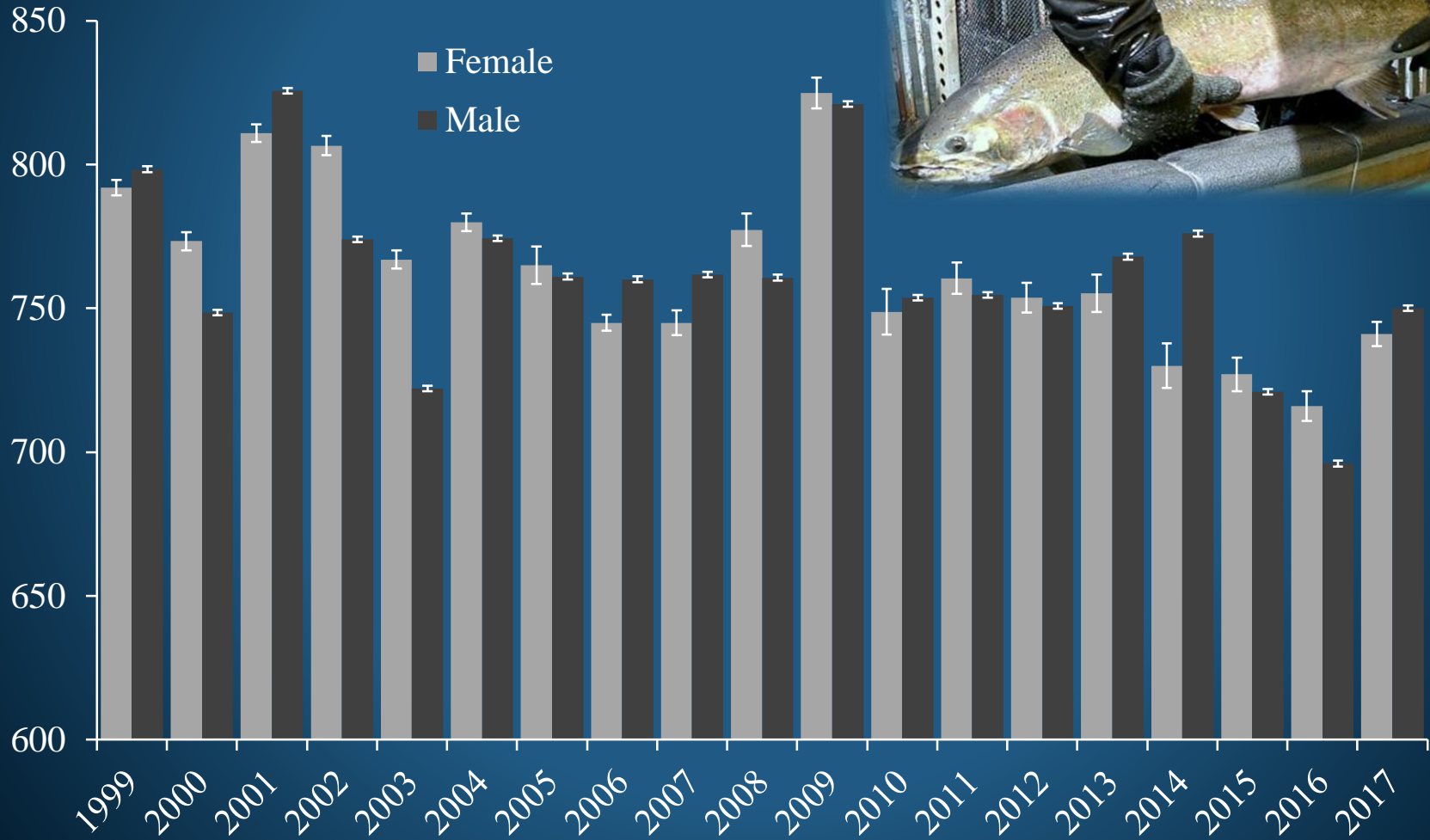
# FEDERAL SUBSISTENCE HARVEST



# Total Removals of Alaskan Steelhead



# Mean Total Length of Steelhead Kelts Sampled at the Situk River Weir



# MANAGEMENT DIRECTIONS



- Preemptive Management
  - Trout management plan
    - Protection of habitat and species interactions
    - Maintain size and age attributes
- Emphasize importance of Fishery
- Stock status data needed
  - Large basins and Mainland
- Continue long term datasets
- Survey unknown streams
- Create goals for indexes

# CONCLUSION:



- Harvests are highly restricted and remain low, but relative harvests per type have changed recently.
- Size attributes remain within normal variation where assessed.
- Current abundances of steelhead in the assessed streams of Alaska appear to be within normal variation.
- Sustainable fisheries, angler generated regulations, habitat conservation, and maintenance of current stock attributes remains the primary focus.

# Karluk River Steelhead Mark-Recapture



**Purpose: Estimate the number of spawning steelhead in the Karluk River during the spring of 2017.**

THE END



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