

STATUS OF STEELHEAD IN ALASKA

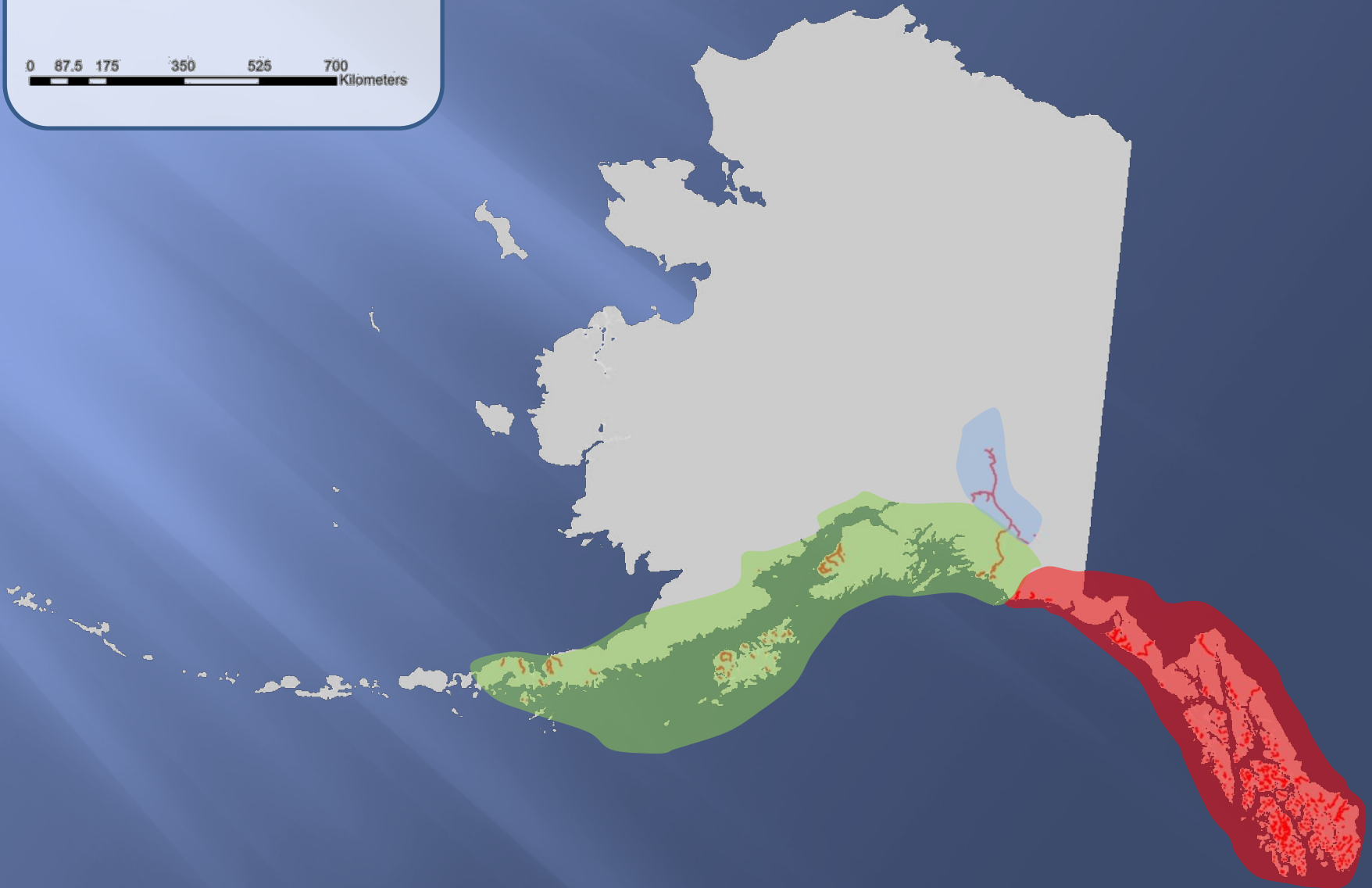


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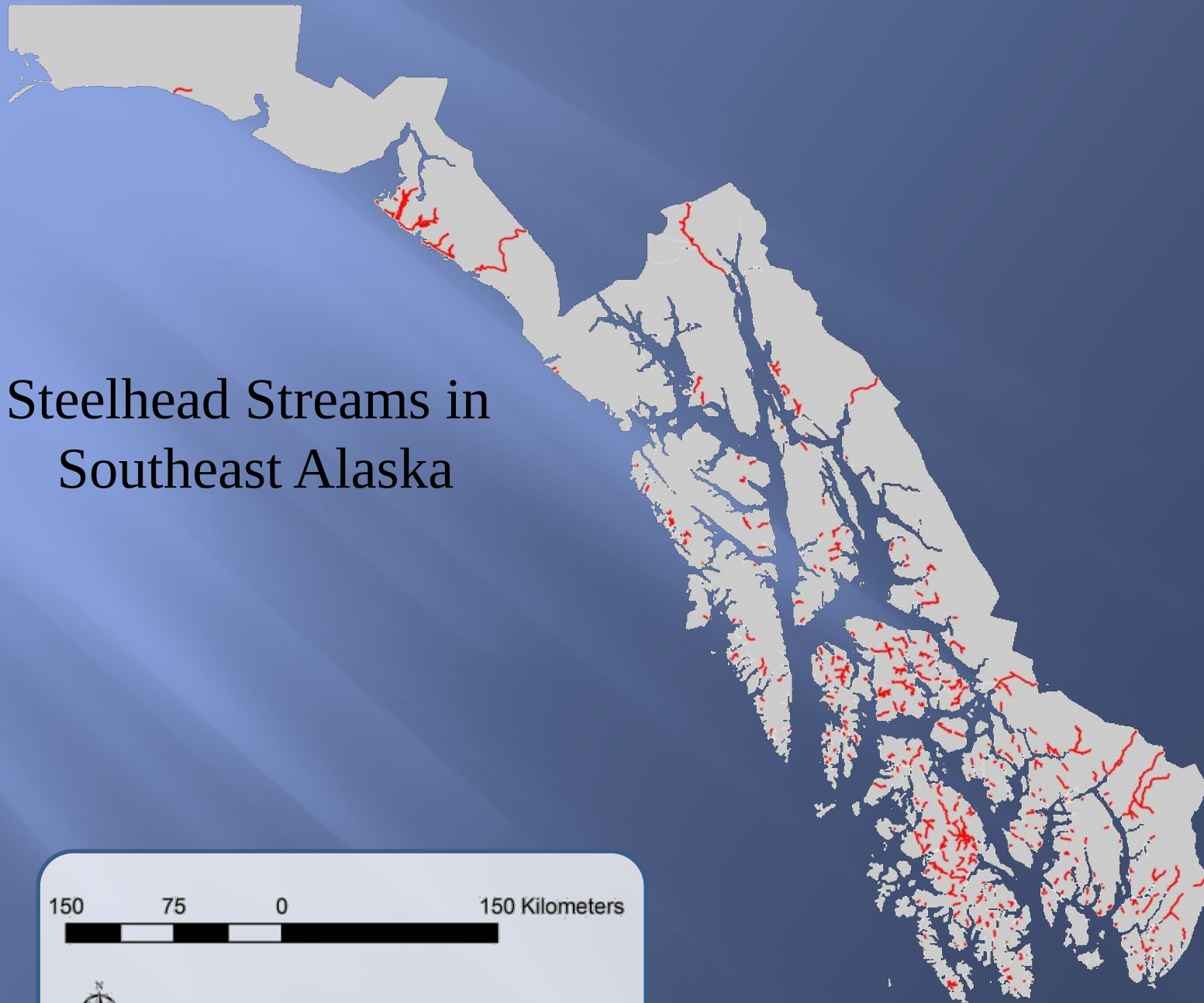
Steelhead Streams in Alaska



0 87.5 175 350 525 700 Kilometers



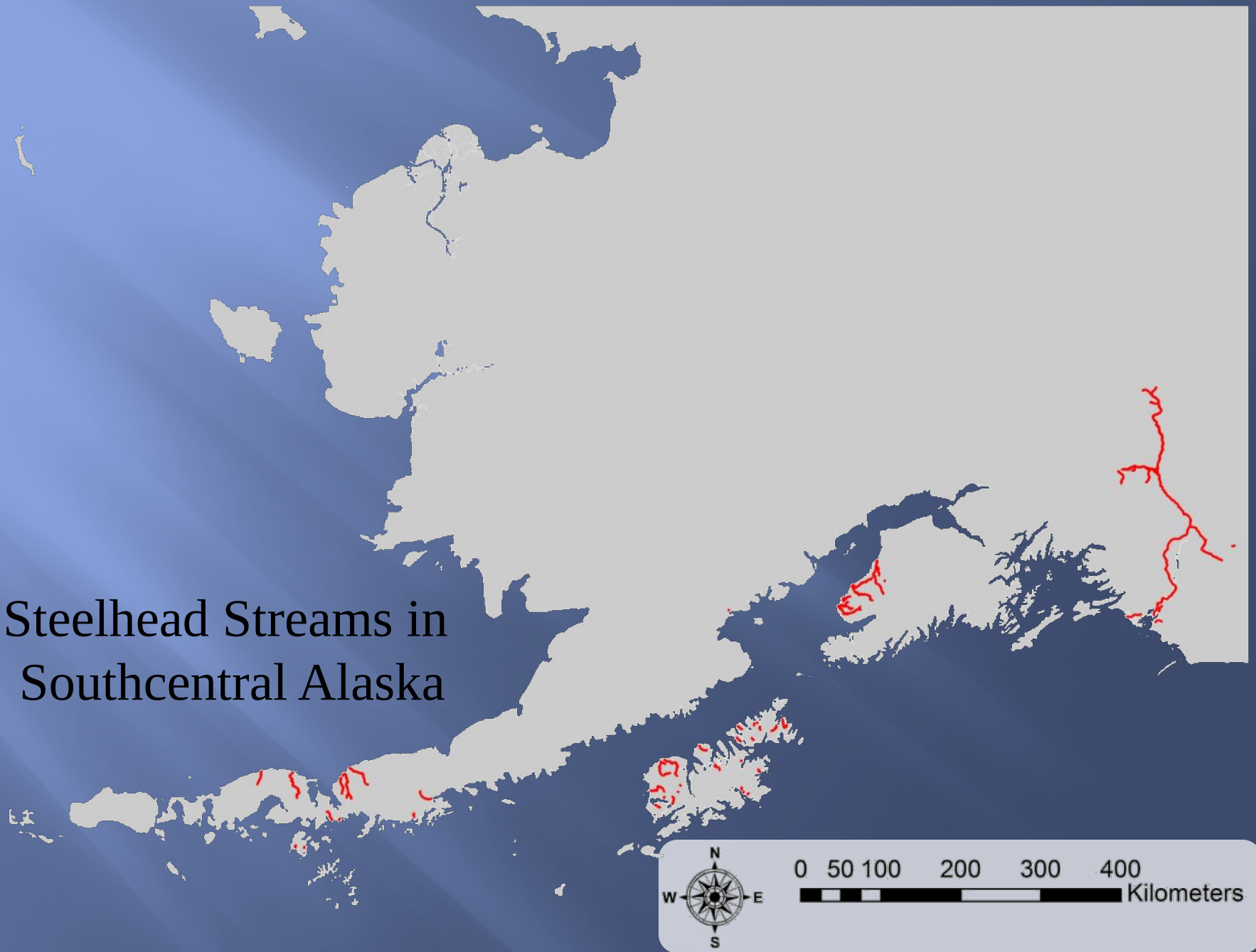
Steelhead Streams in Southeast Alaska



150 75 0 150 Kilometers



Steelhead Streams in Southcentral Alaska



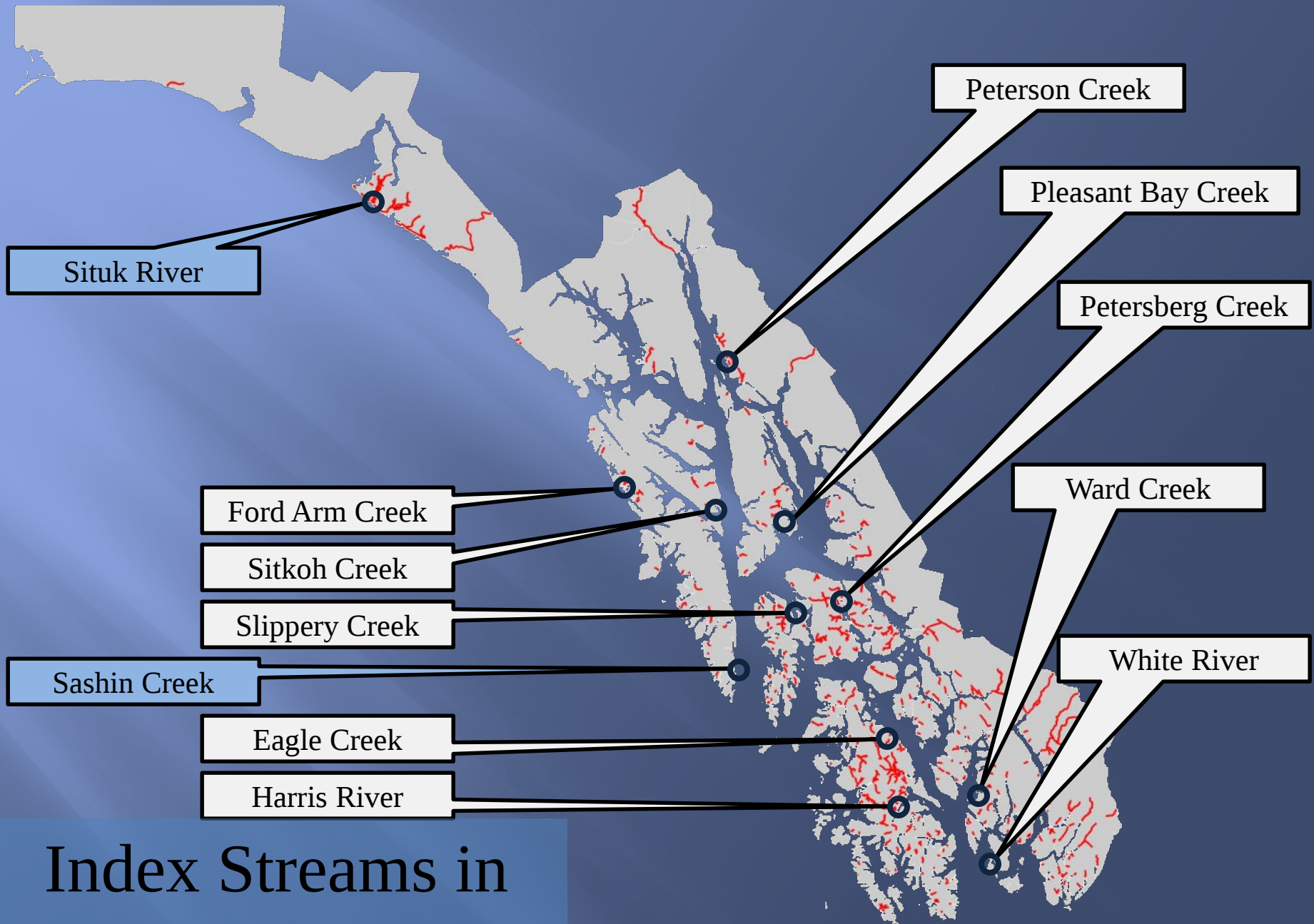
Stock Status Assessments

- Weir counts of kelts and or adults upstream

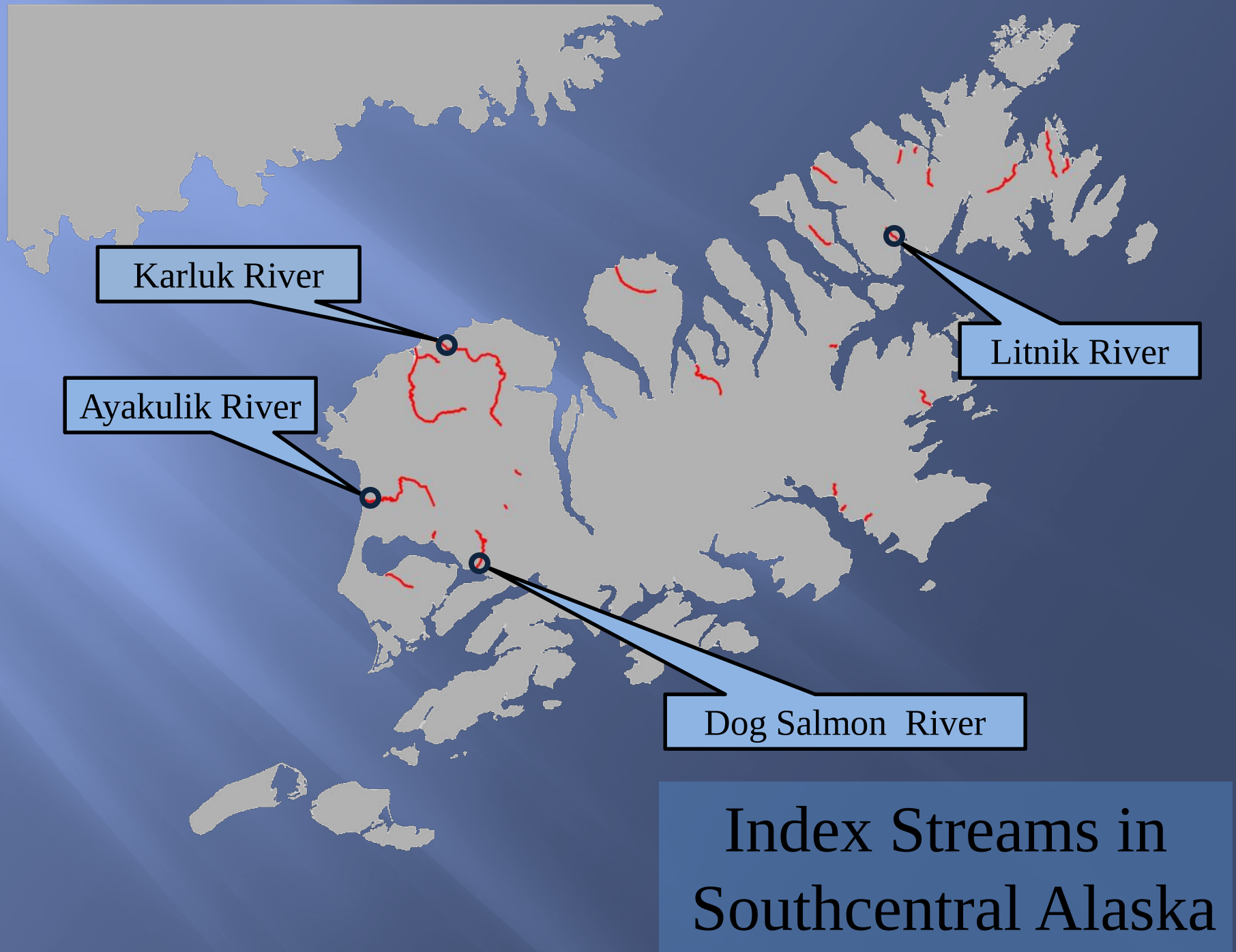
- Length sampling
- Scale sampling and analysis
- Southeast and South central

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





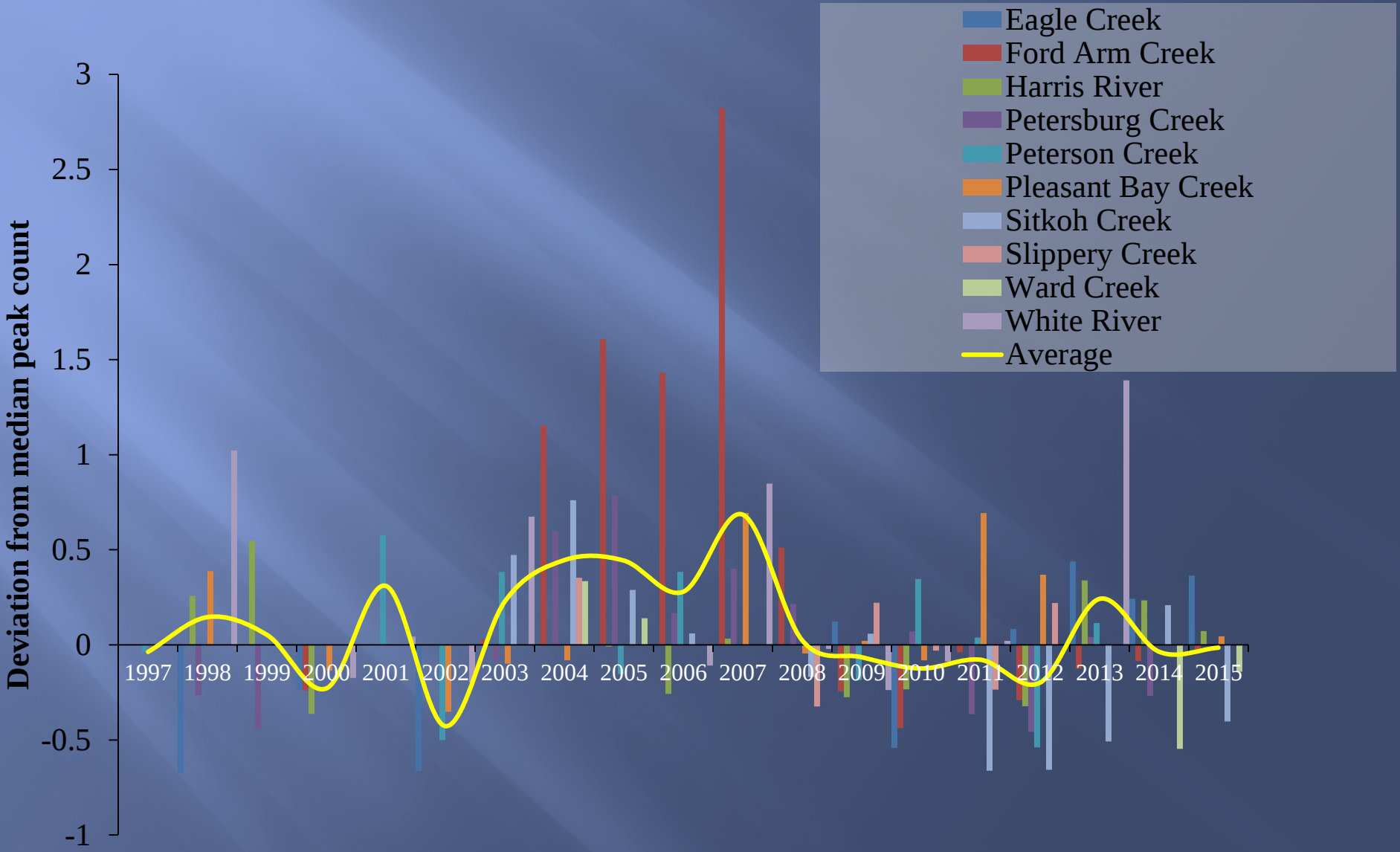
Index Streams in Southeast Alaska



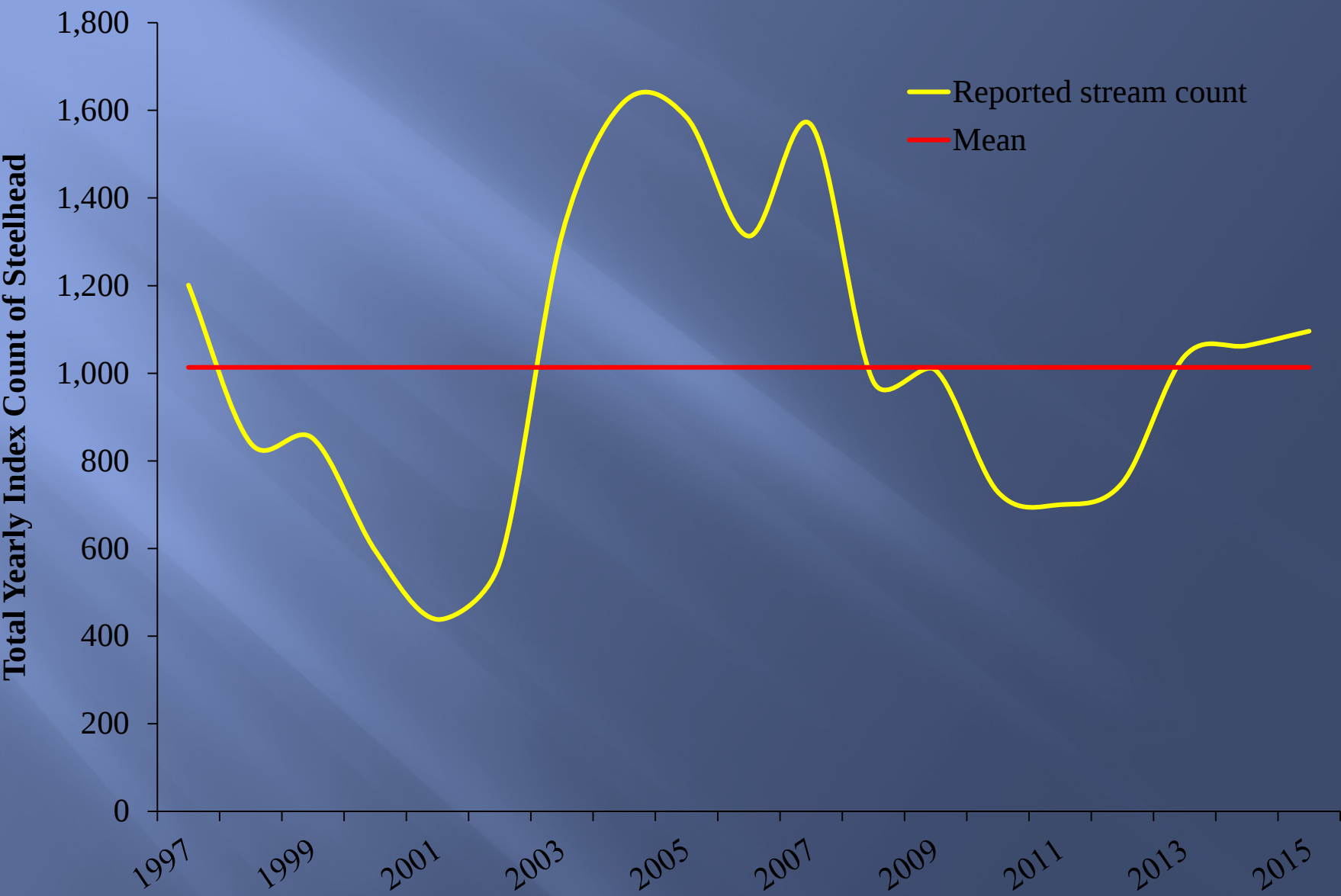
Southeast Alaska Steelhead Snorkel

Survey Index Stream; Relative Abundances

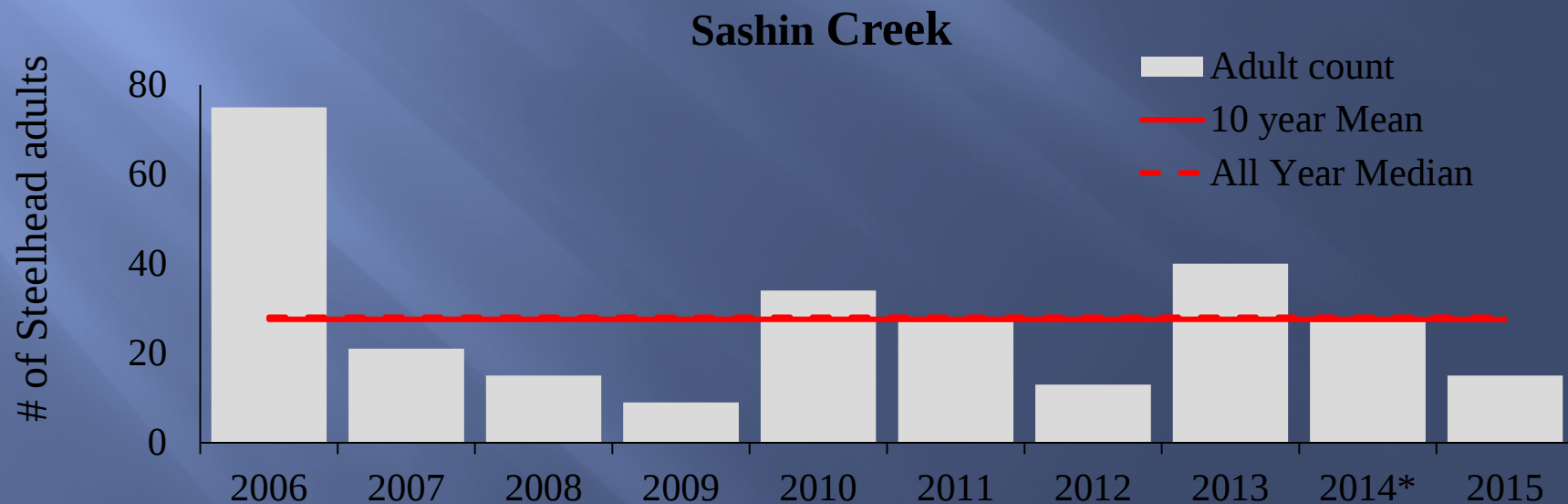
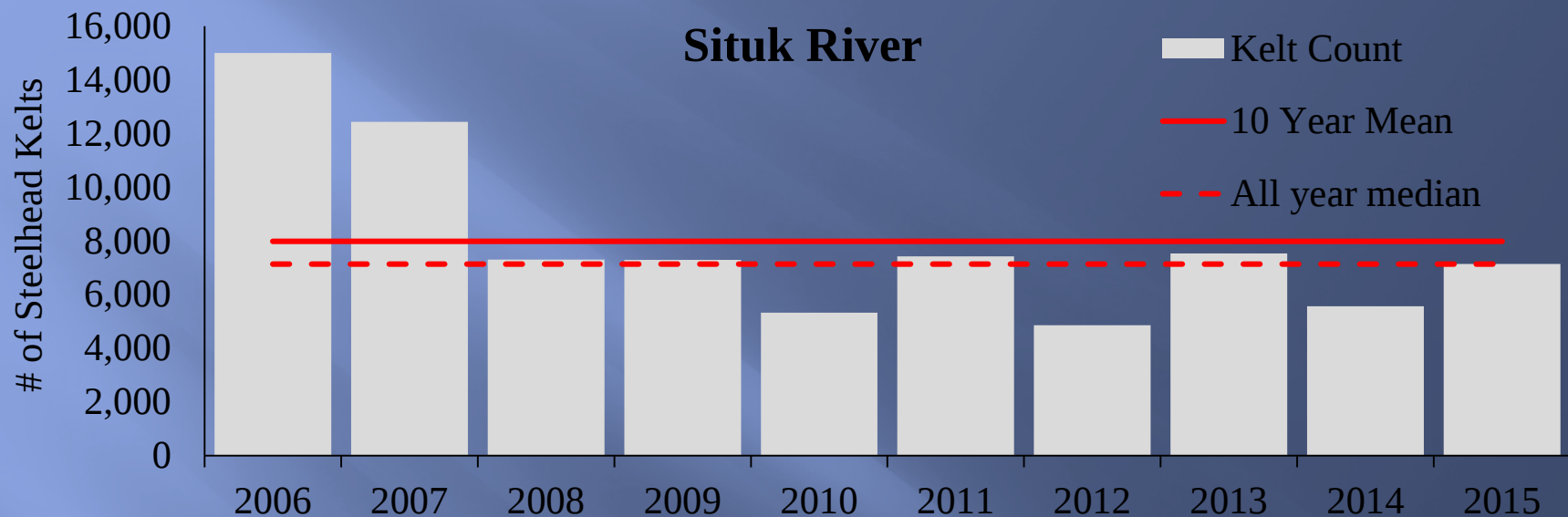
Regional Trend In SEAK Steelhead Index Surveys



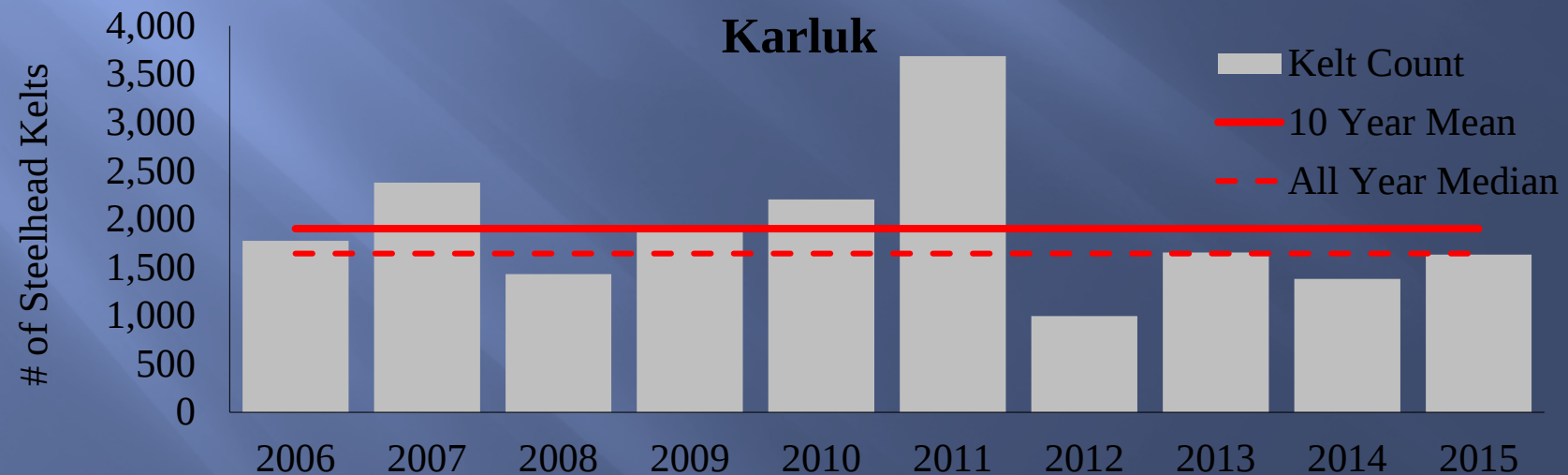
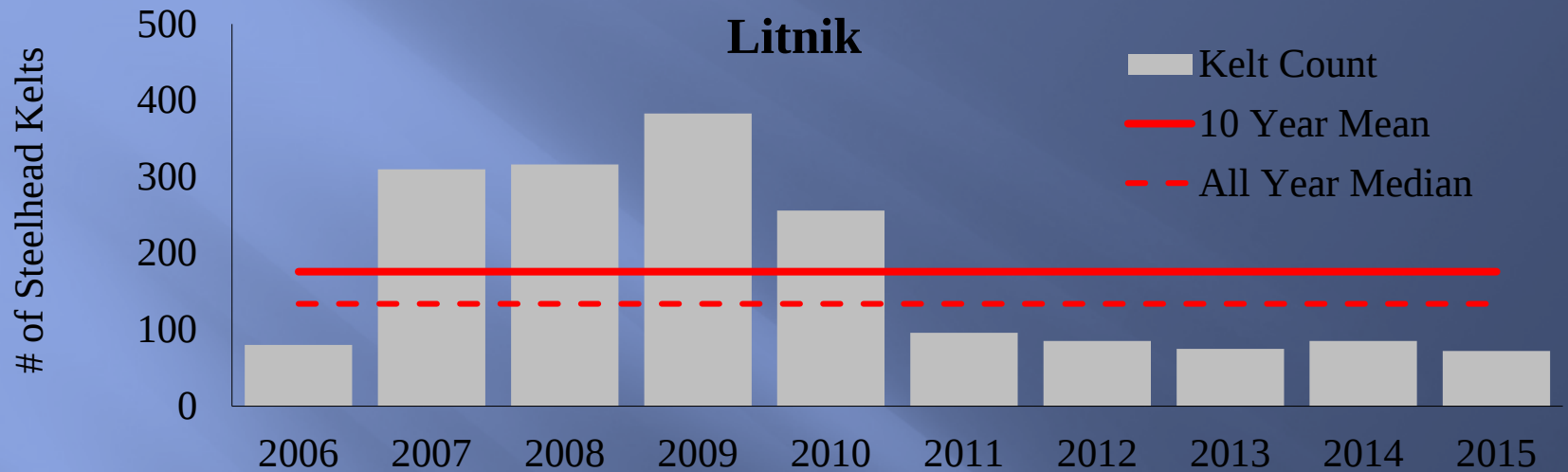
Southeast Alaska Steelhead Snorkel Survey Index Streams; Abundance



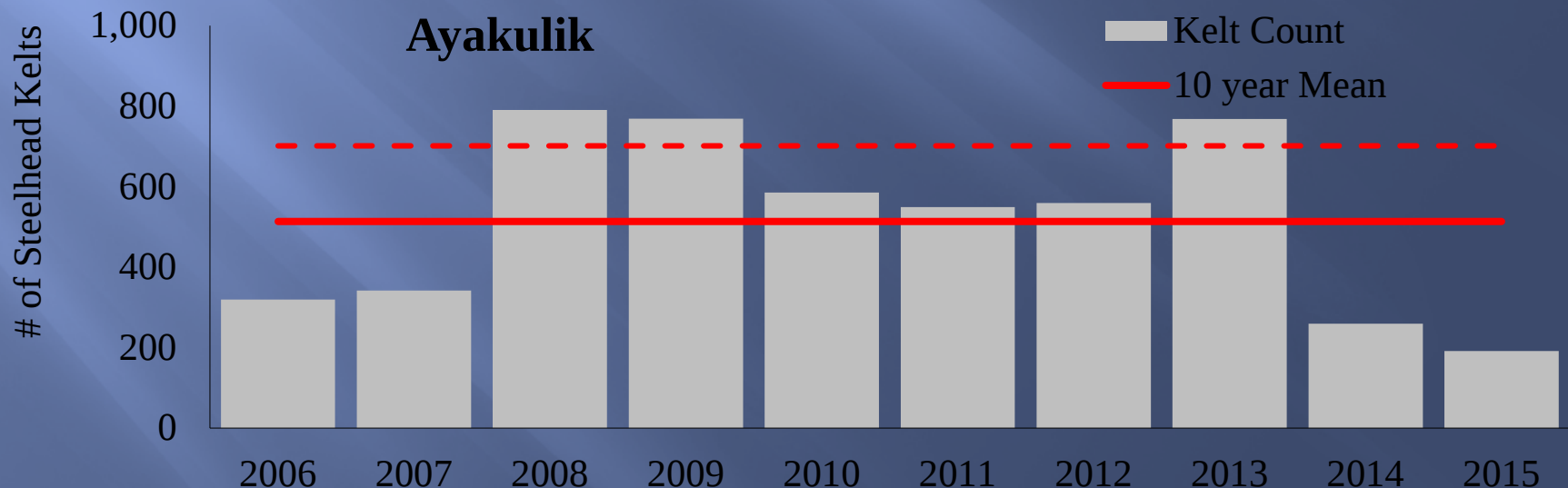
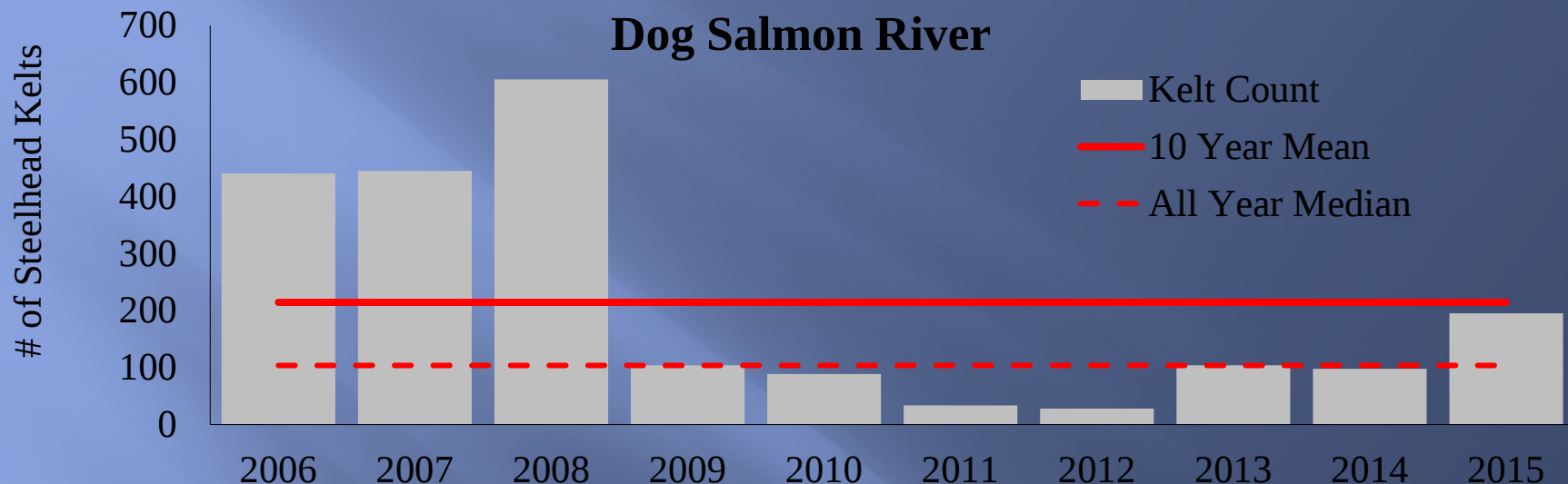
Weir Counts – Southeast Alaska



Weir Counts – Southcentral Alaska



Weir Counts – Southcentral Alaska



Types of Fishery Removal

- **Sport Fish**
- **Commercial – non target**
- **Subsistence**

Sport Fishery Regulations

- **Southcentral Alaska**

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

Spawning area closures

Winter closures

Kodiak Road Zone: C&R

Trout: 2 per day (11-16) 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)

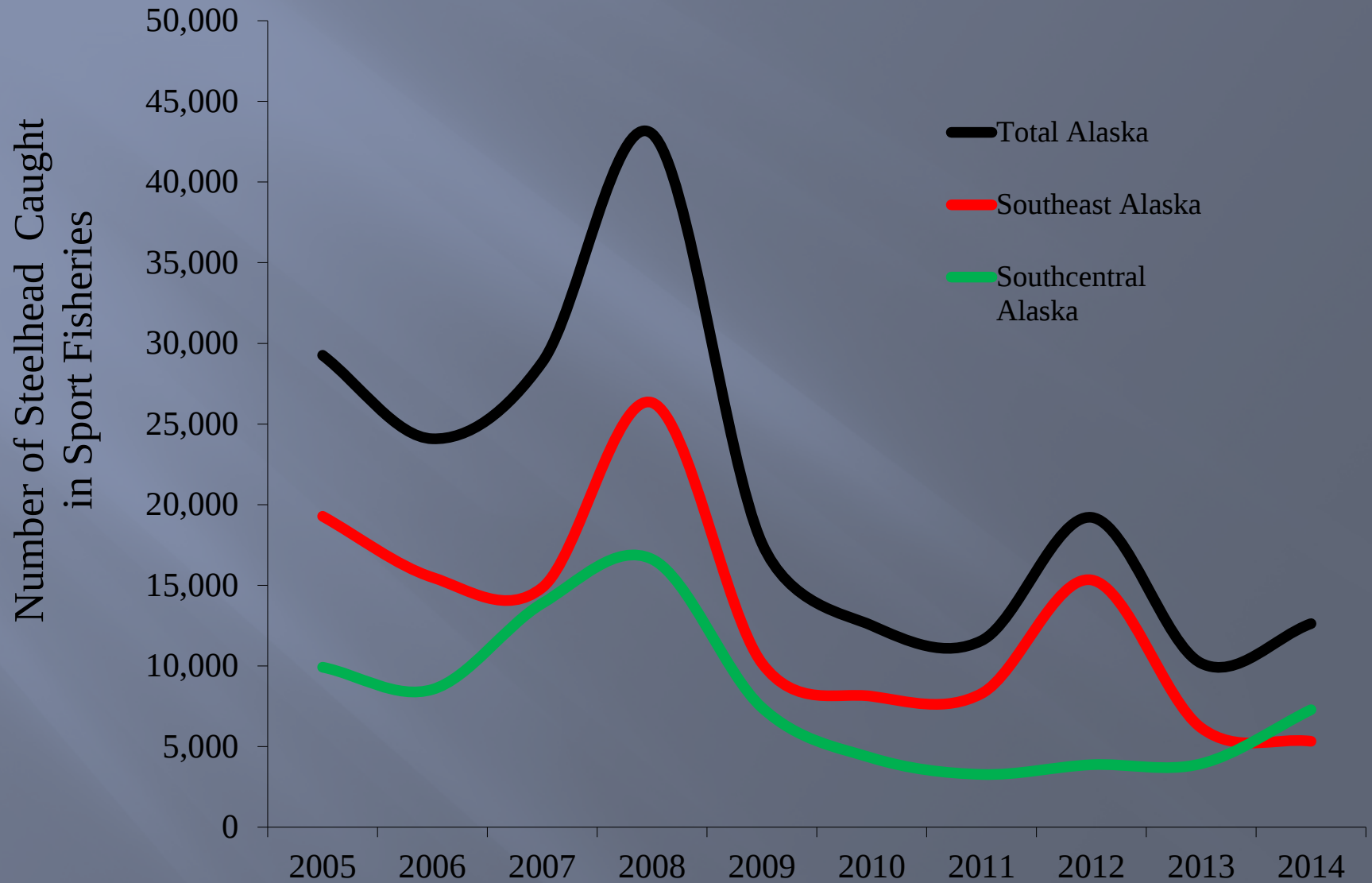
Catch and release

Spawning area closures

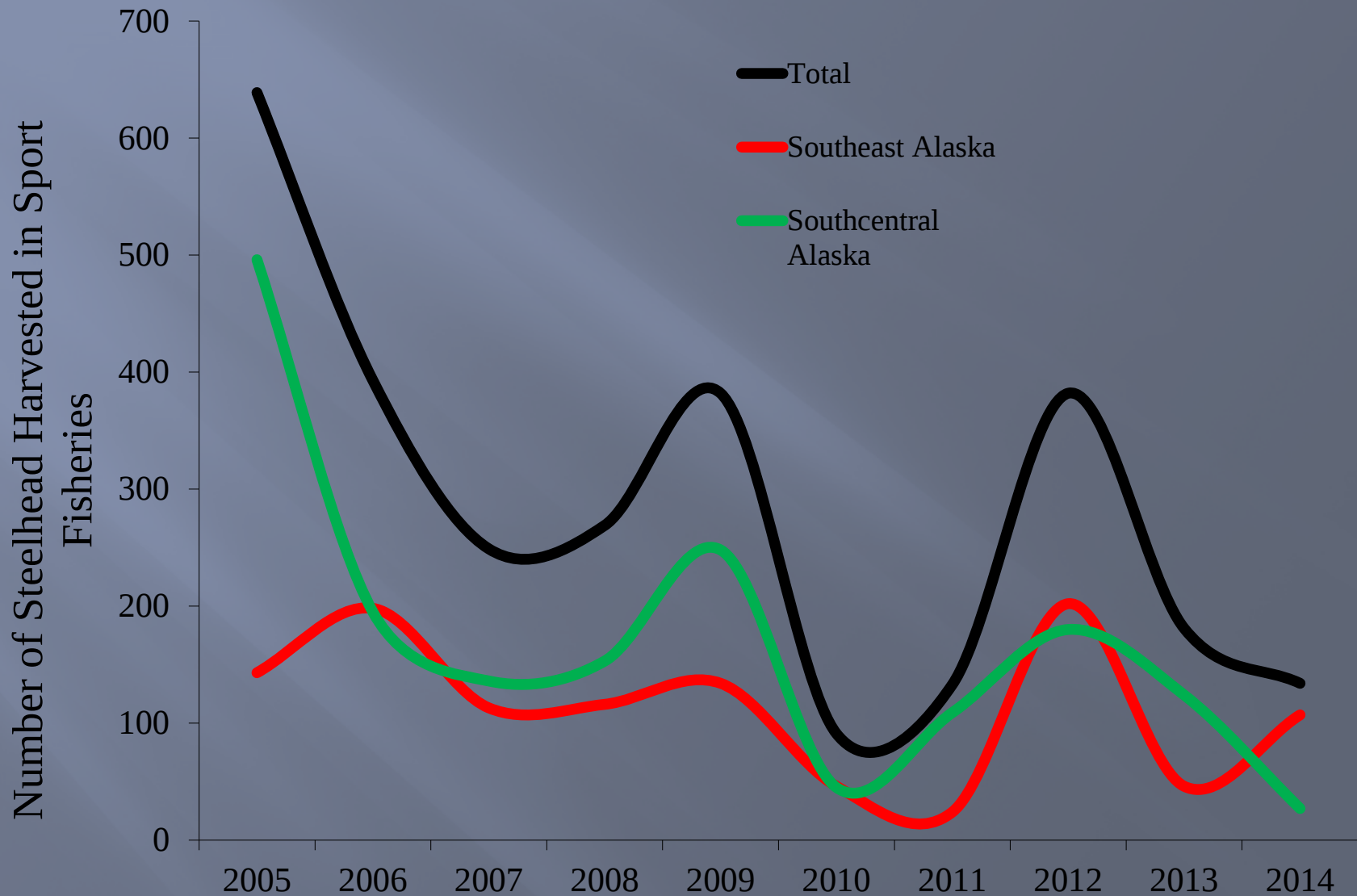
Trout: 2 per day (11-22)
in combination with
cutthroat



Statewide Catch Survey; Angling Catch

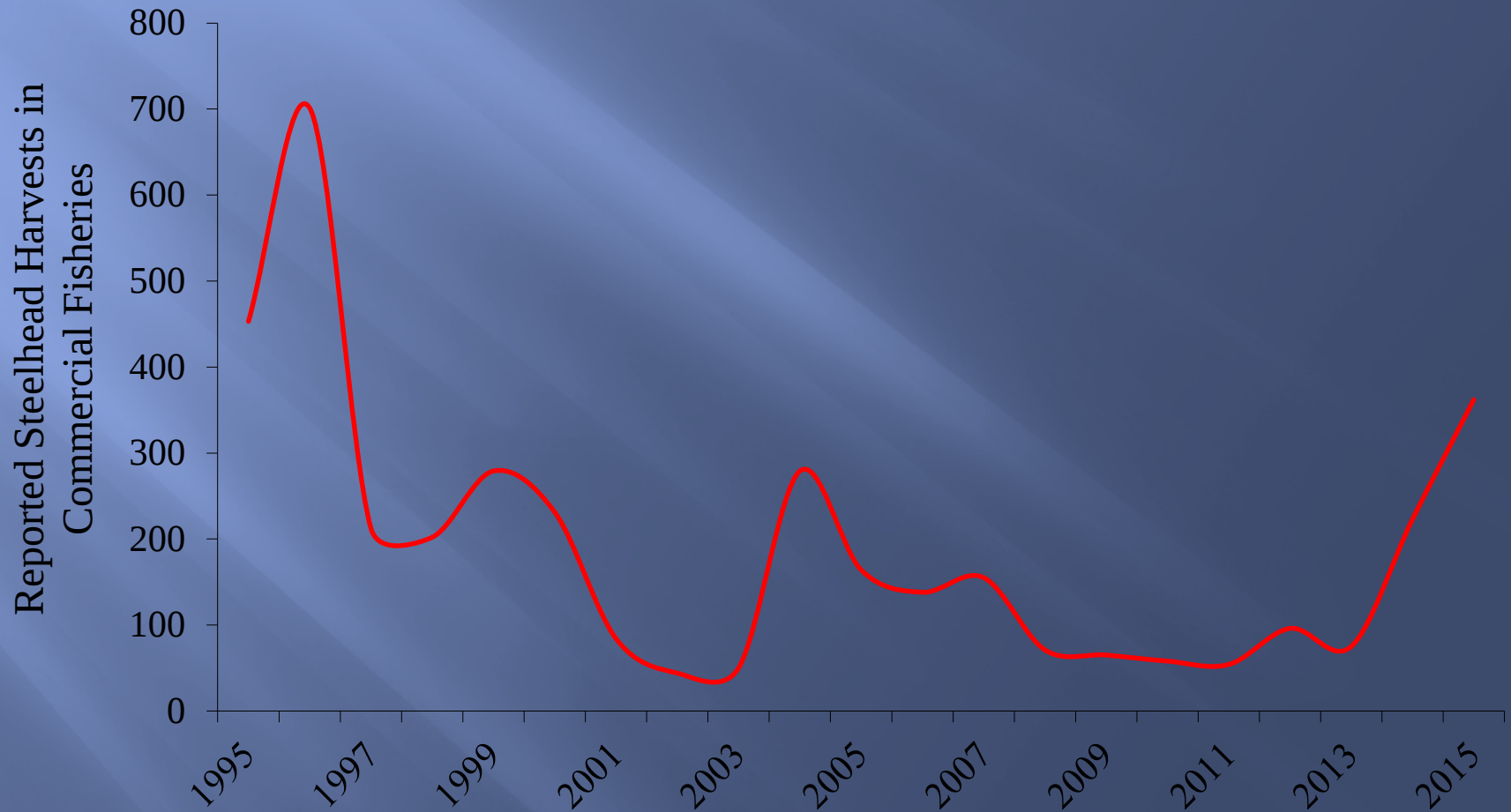


Statewide Harvest Survey; Angling Harvest

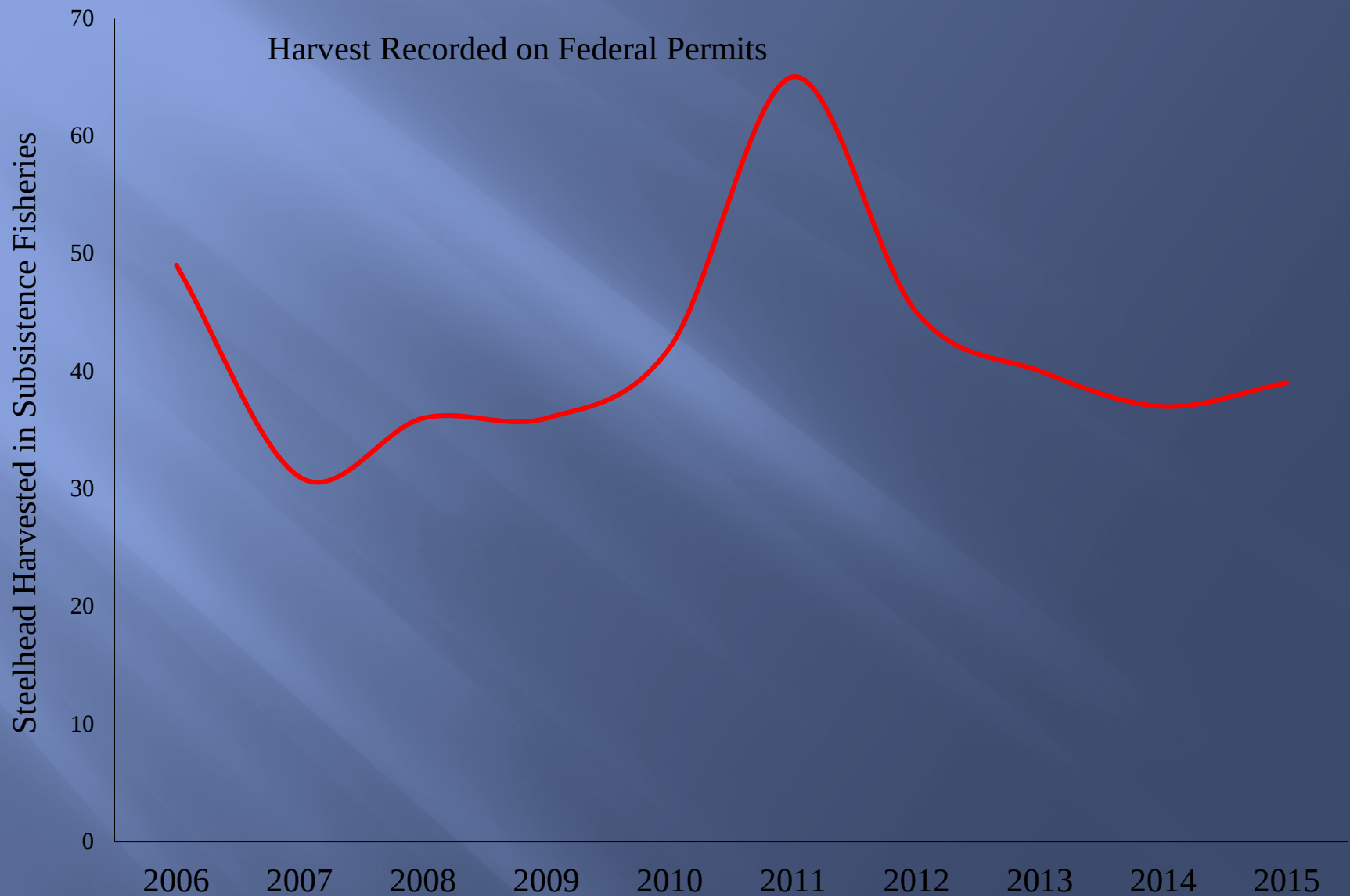




Commercial Steelhead Harvest Alaska

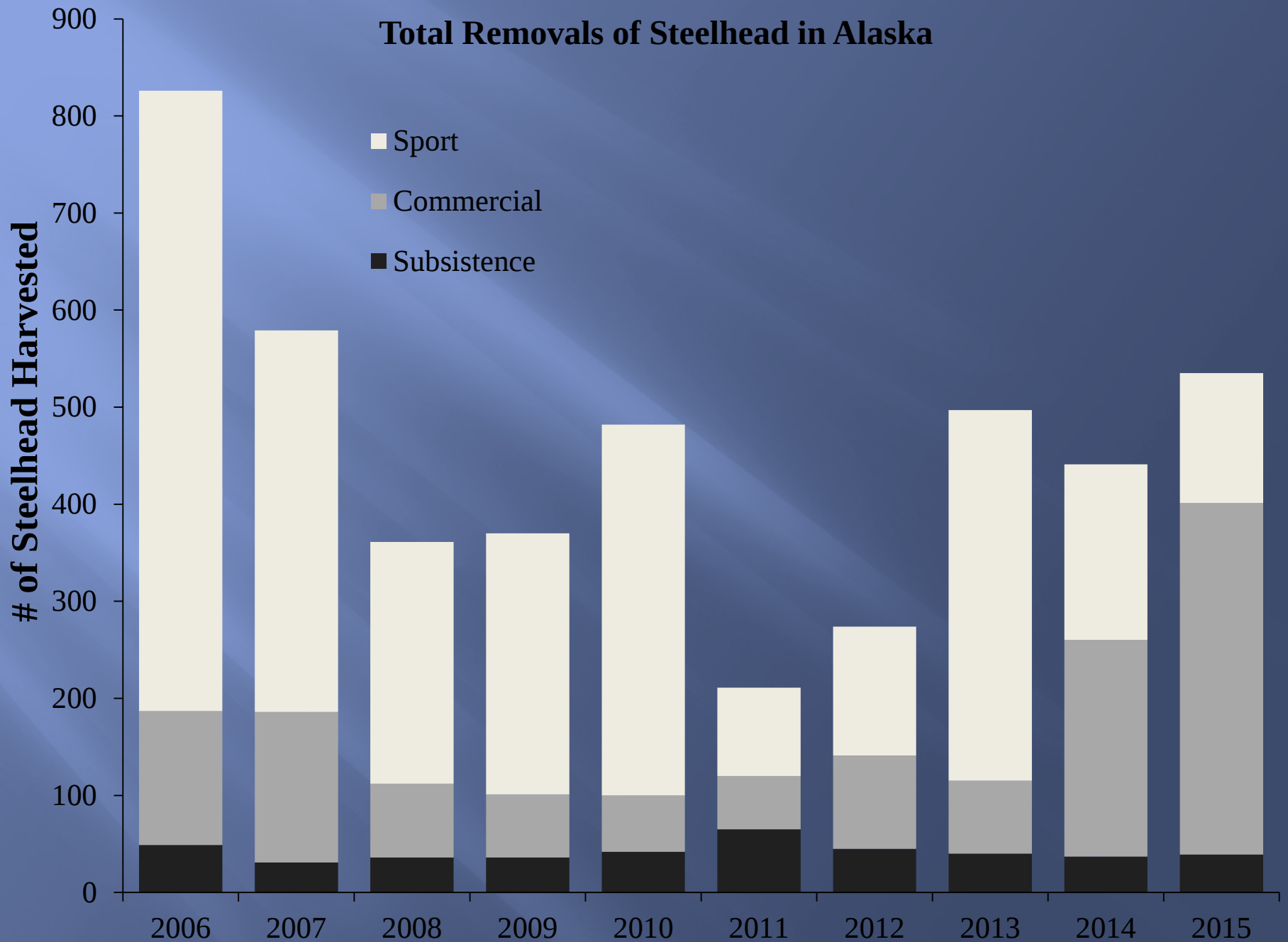


Federal Subsistence Harvest

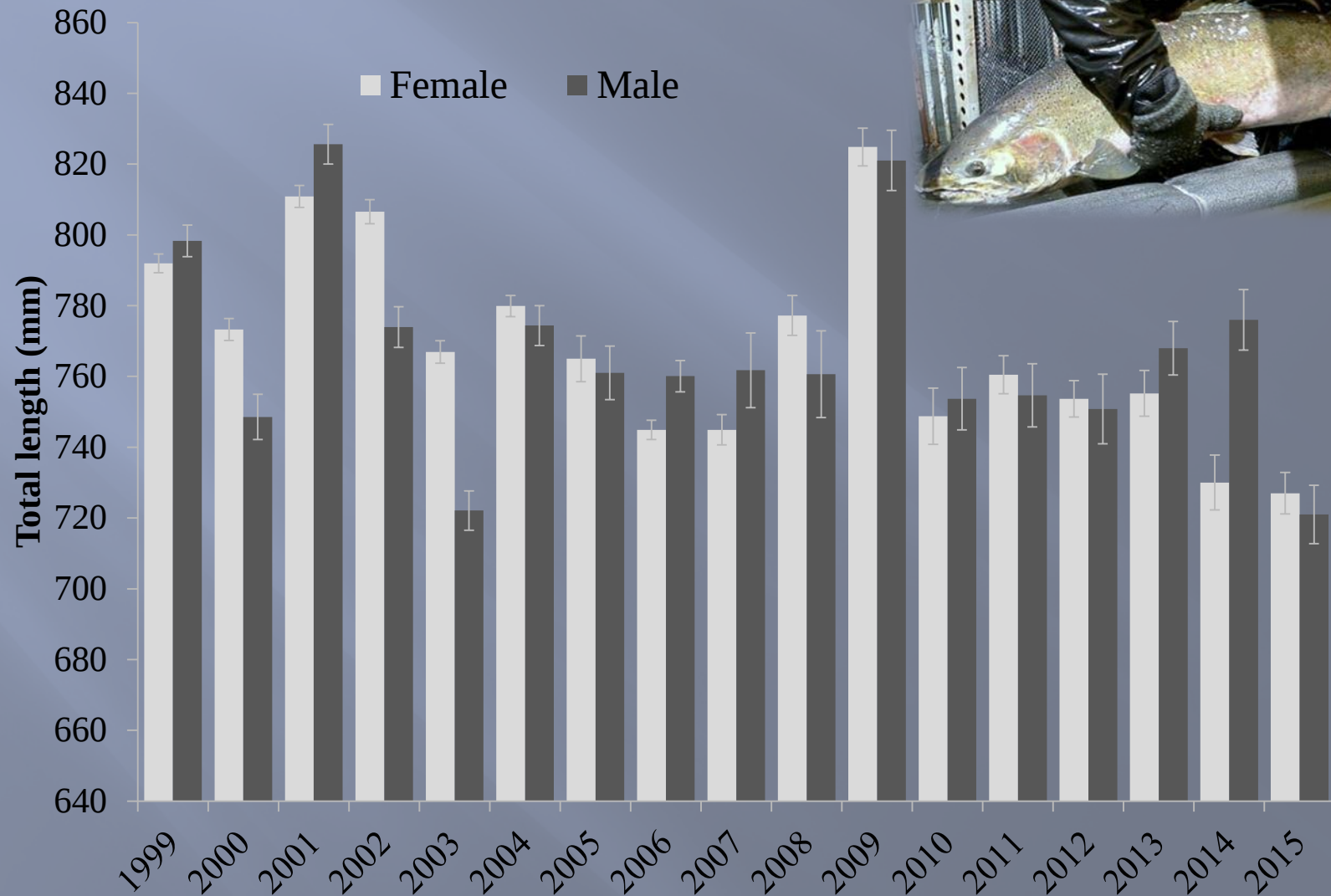


Total Removals of Steelhead in Alaska

■ Sport
■ Commercial
■ Subsistence



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



Management Issues:

Habitat Degradation

- **Hydroelectric Projects**
- **Timber Harvest Management**
- **Culvert Maintenance**

Hatcheries

Undocumented harvest in commercial and subsistence fisheries

Angler expectation management

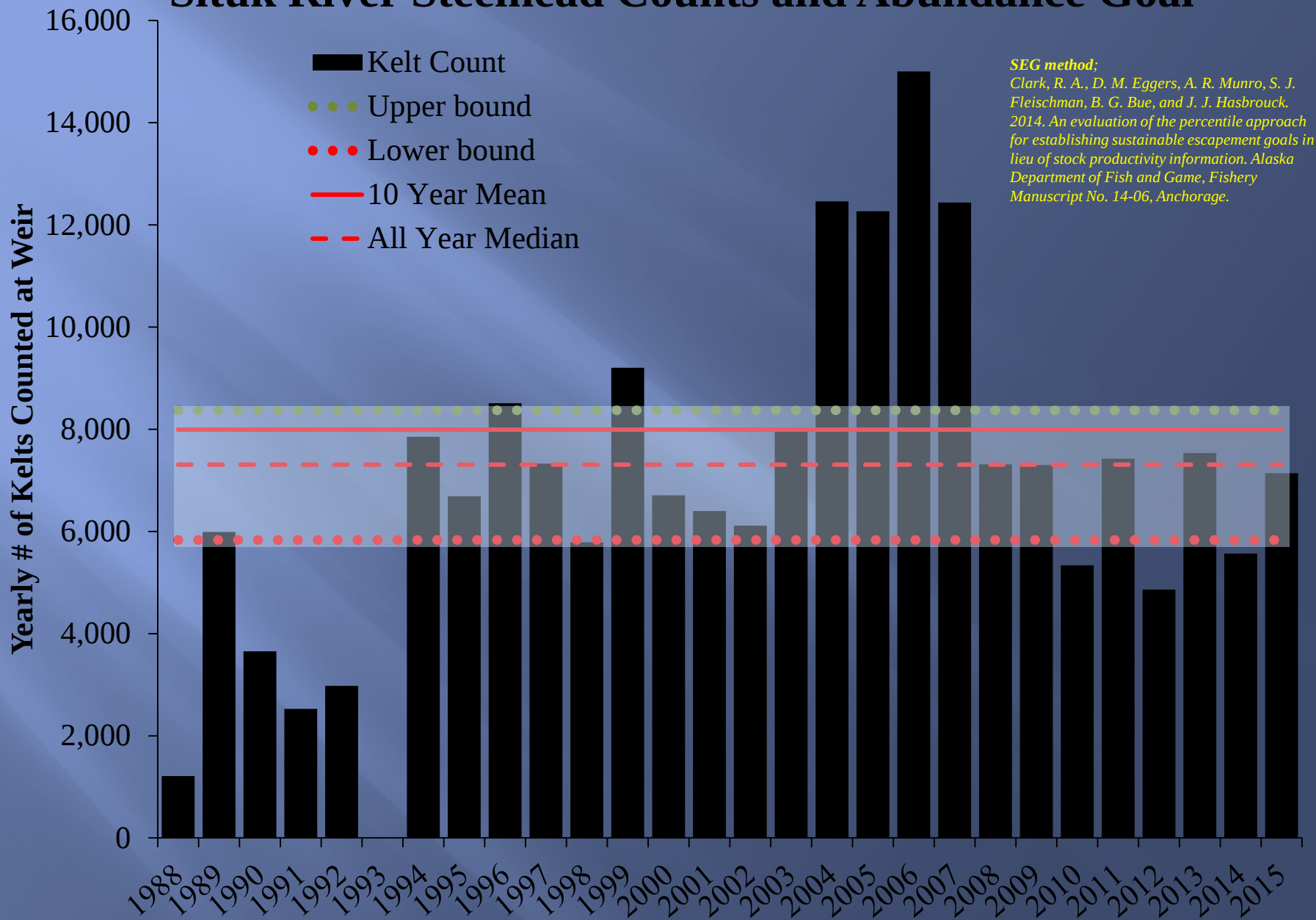
: What targets to manage for?

Future 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

Situk River Steelhead Counts and Abundance Goal



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, habitat conservation, and maintenance of current stock attributes remains the primary focus.

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THE END

