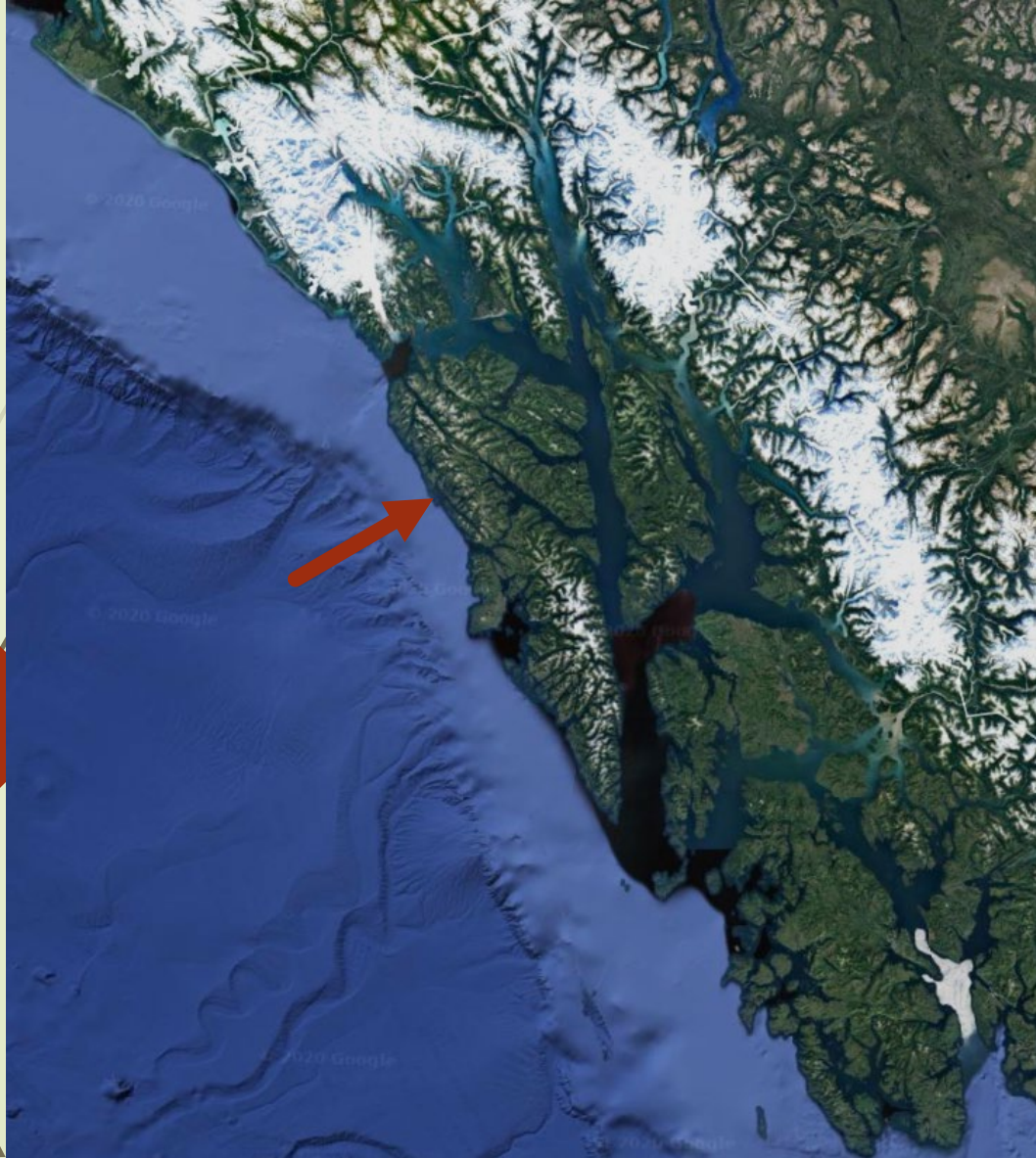


Klag Lake Sockeye Salmon Stock Assessment



2



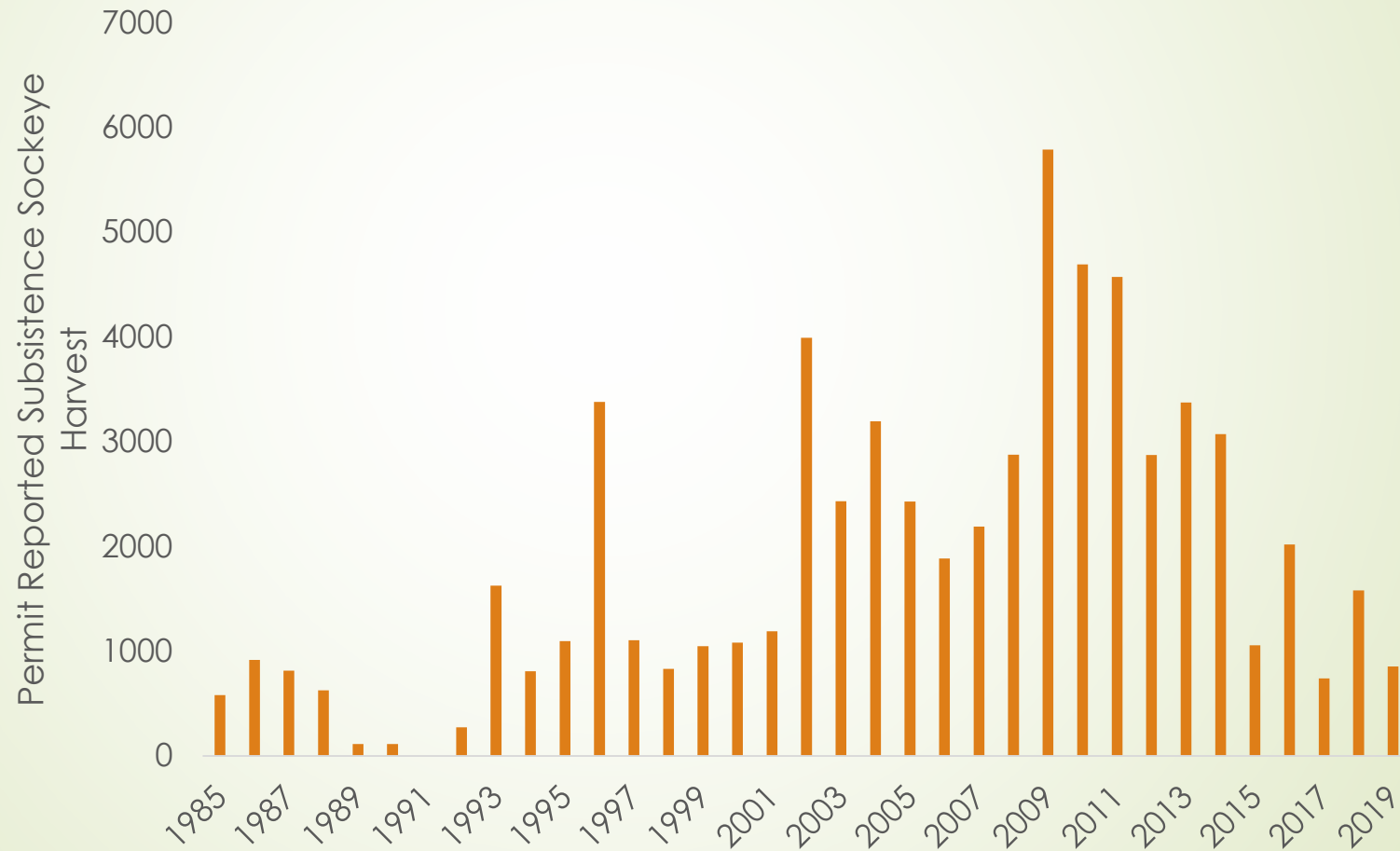
- Kleix'
- Gaat Heení
- Frequent commercial harvests > 10,000 in early 1900s
- Monitoring project initiated in 2001



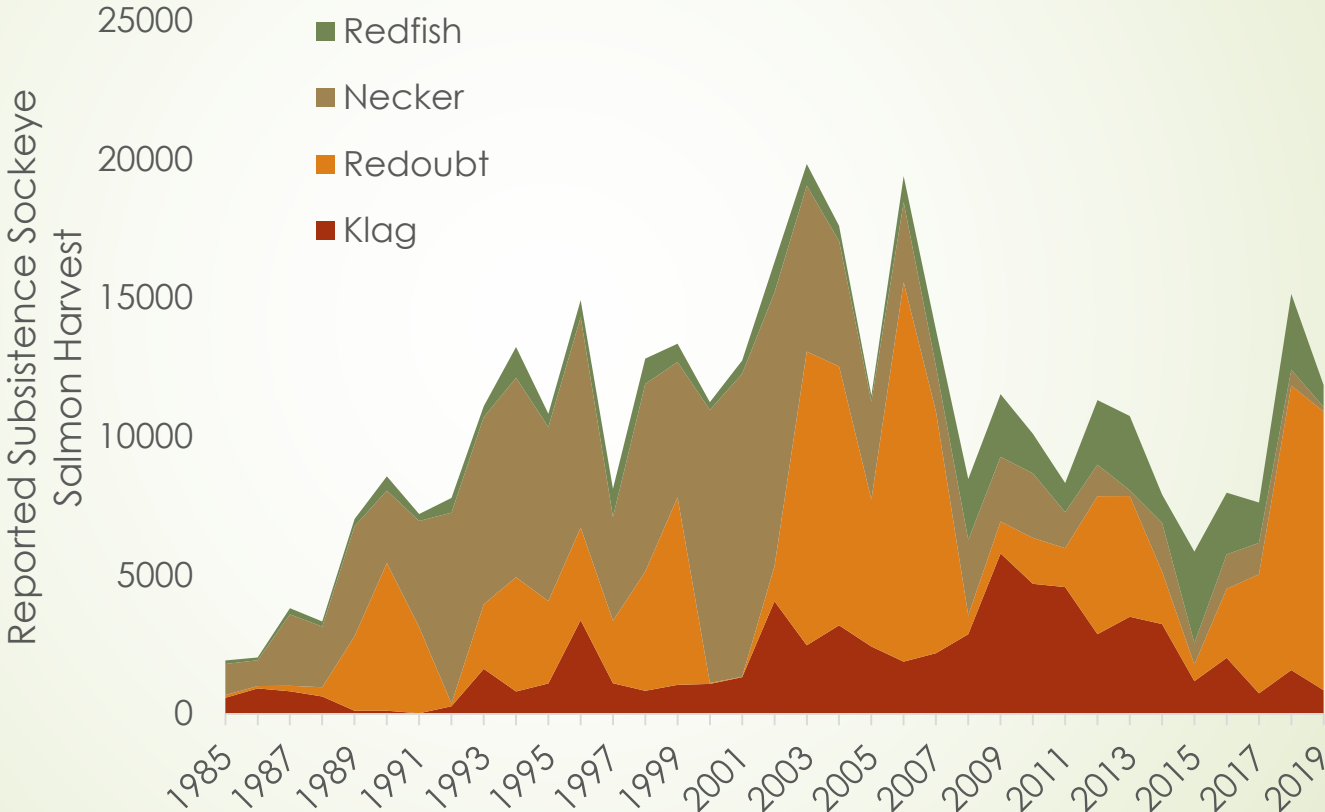


- Tribal leadership
- Long-term monitoring of Northern Southeast Outside waters system
- Documenting trends in harvest and escapement
- In-season Management Considerations

Klag Lake Subsistence Sockeye Harvest (Permit Reported)

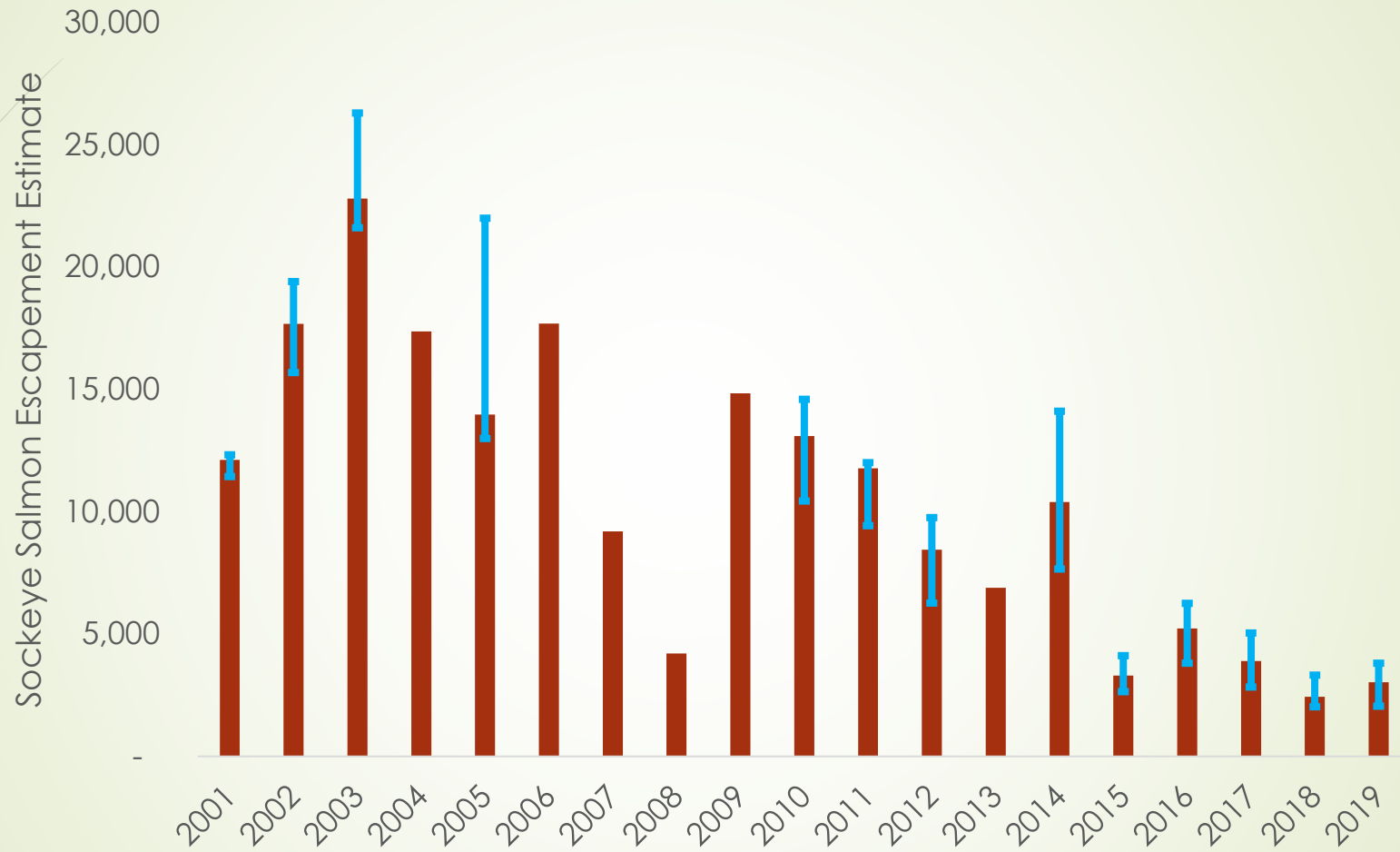


Klag's Share of Sitka Area Harvest is Declining



Escapement Has Declined Significantly

6

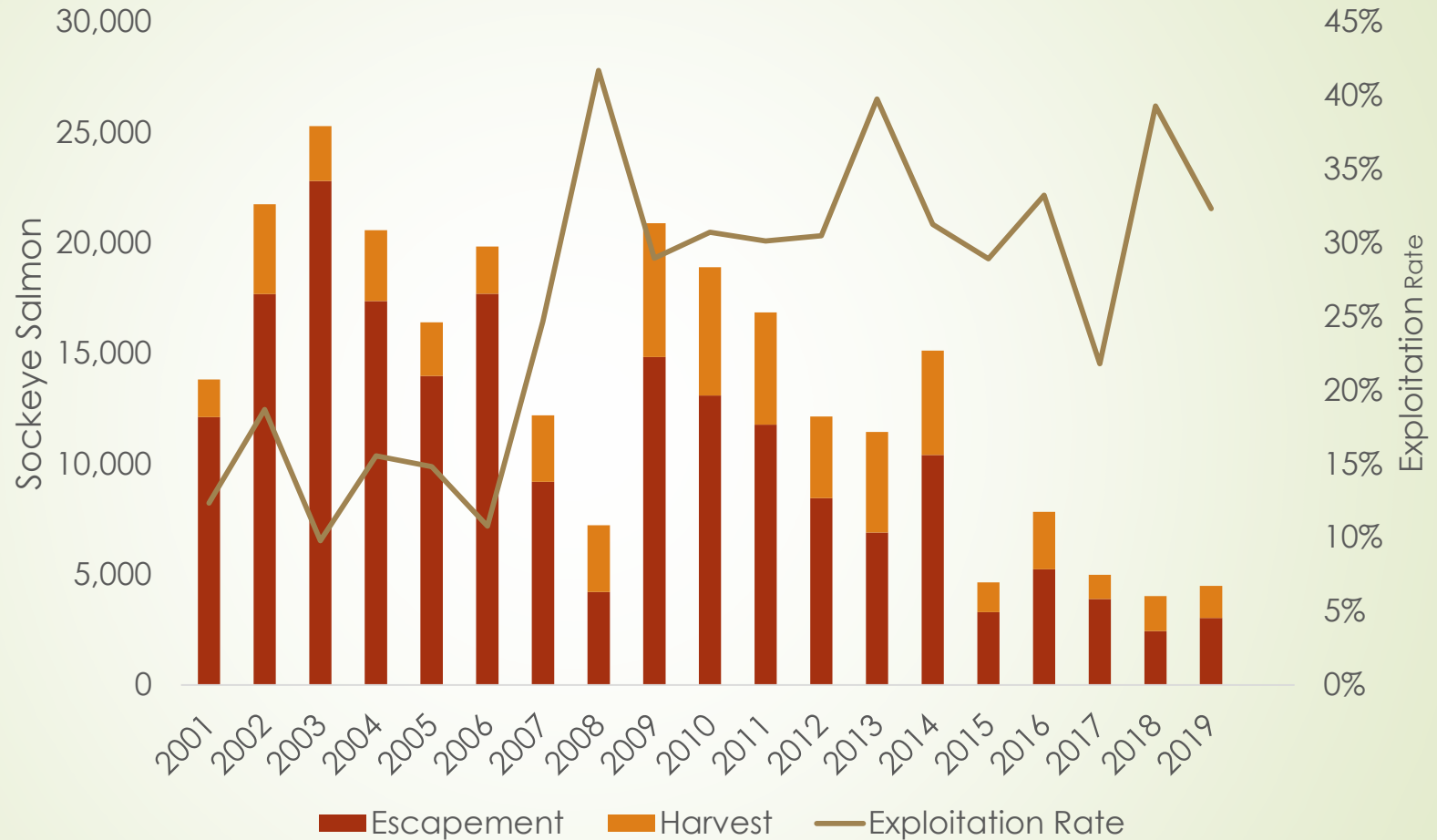


19 Year Mean = 10,443 +/- 5,990

5 Year Mean = 3,583 +/- 1,061

Terminal Returns Are Declining

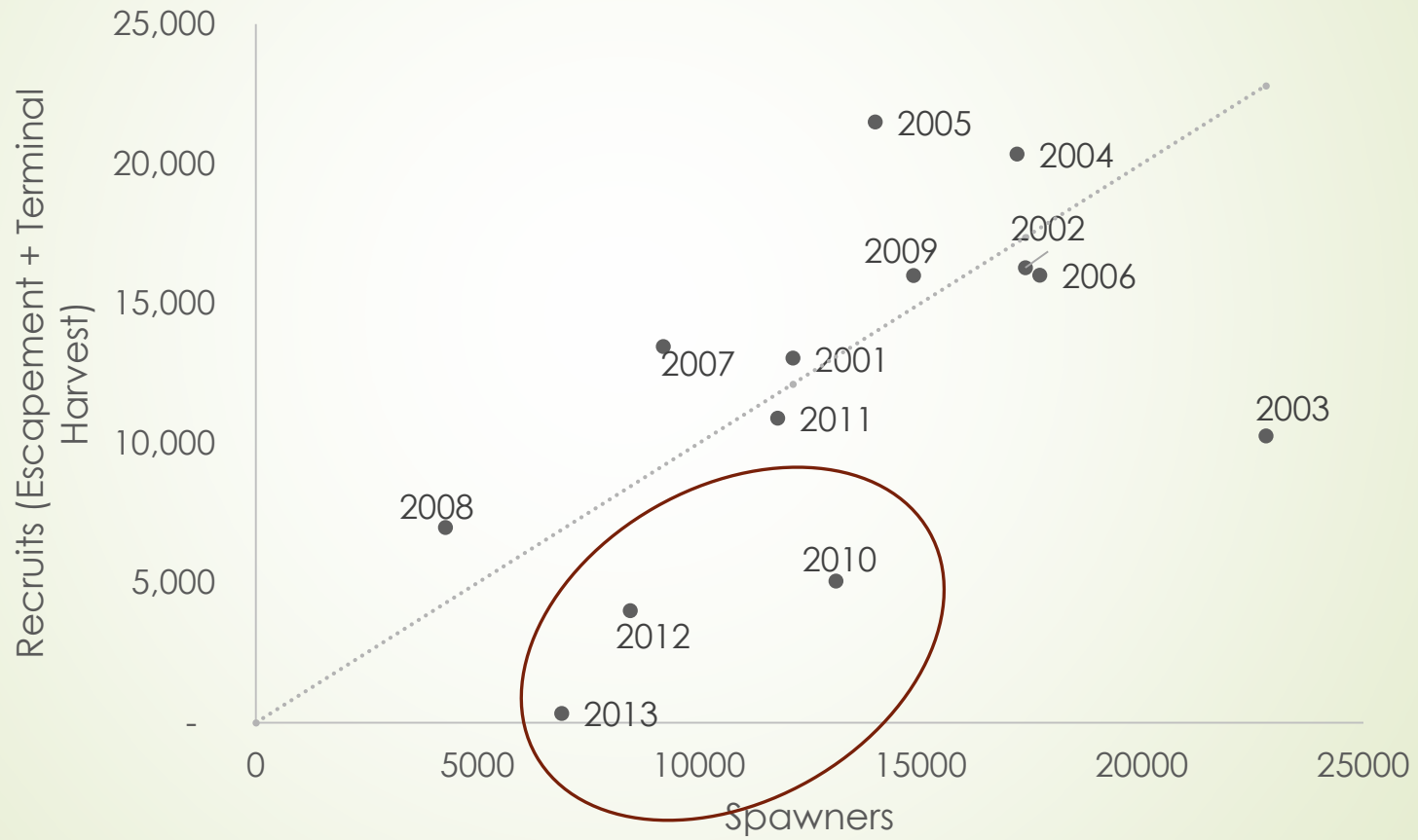
7



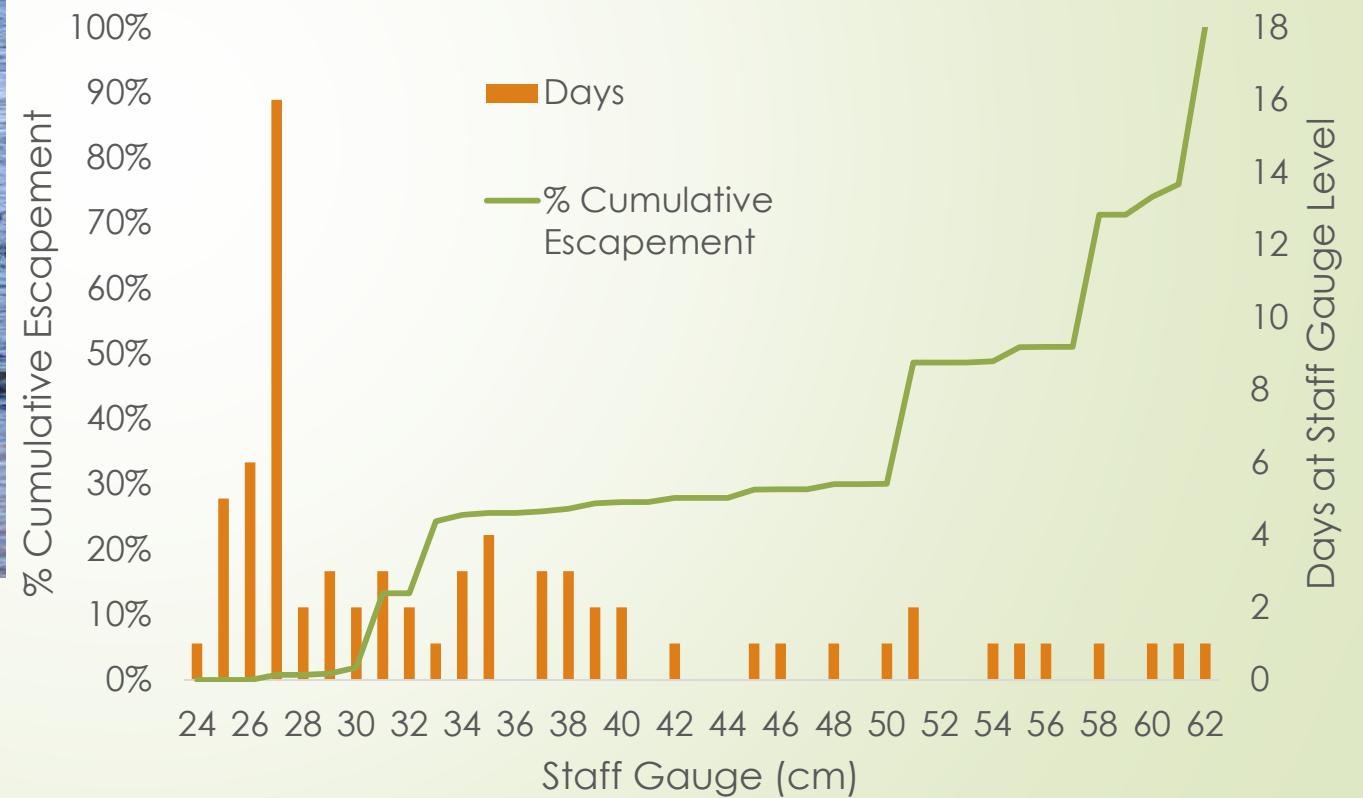
19 Year Mean = 13,601 +/- 6,682

5 Year Mean = 5,196 +/- 1,517

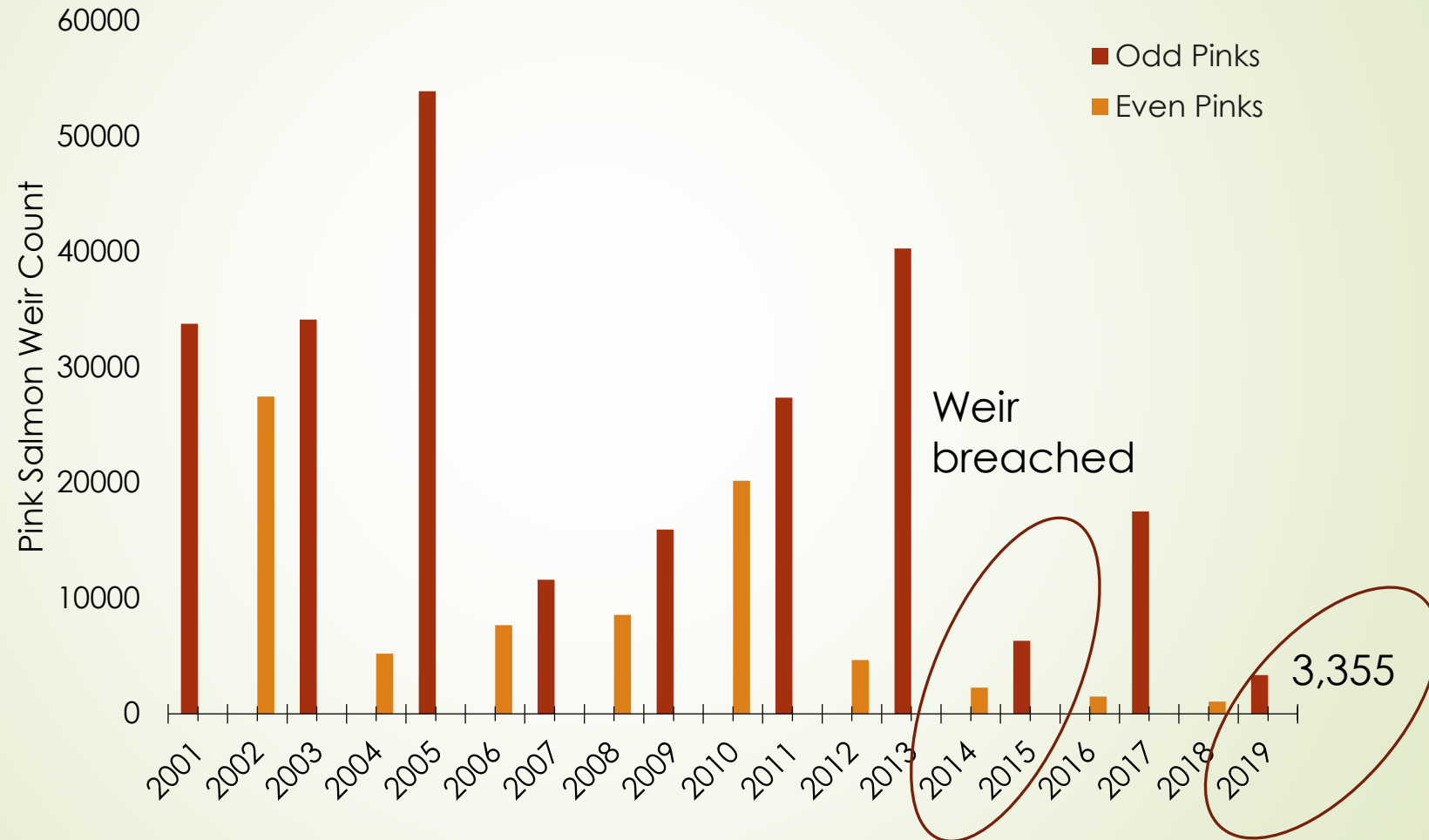
Poor Recruitment



Flow Dependence



Where Did the Pinks Go?



Pink Salmon Weir Counts for Odd Years w/ complete data, 2001-2017 ($n = 8$)
Mean = 29,307 +/- 14,159

Future Work



- Expand Temperature Monitoring w/ SAWC
- Restart Limnological Work
- Swim-through Video Weir w/ USFS
- Streamflow prediction model
- Lake spawners?
- Interception in commercial fisheries?

- Continued in-season management

Questions?

