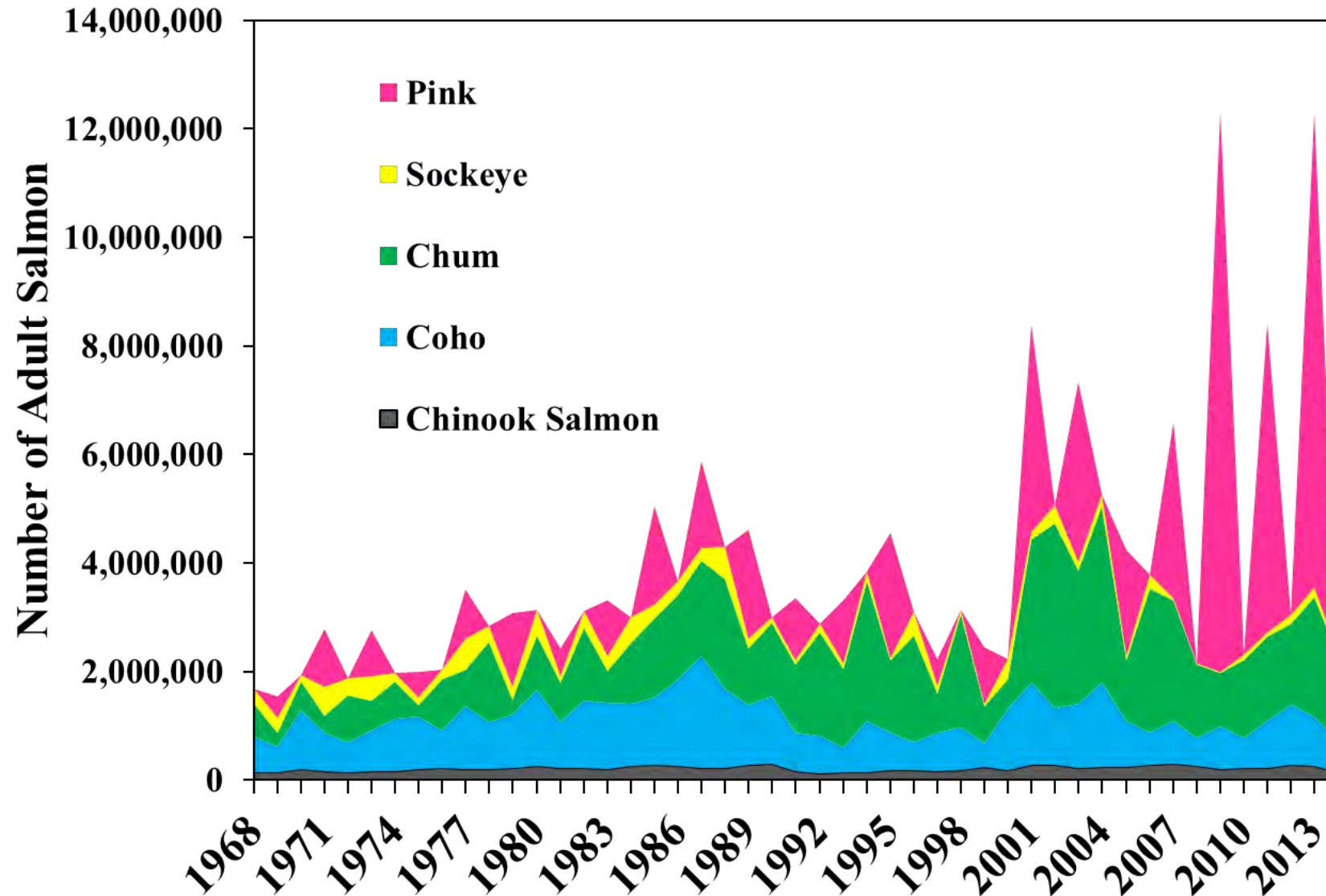


# Study Objectives

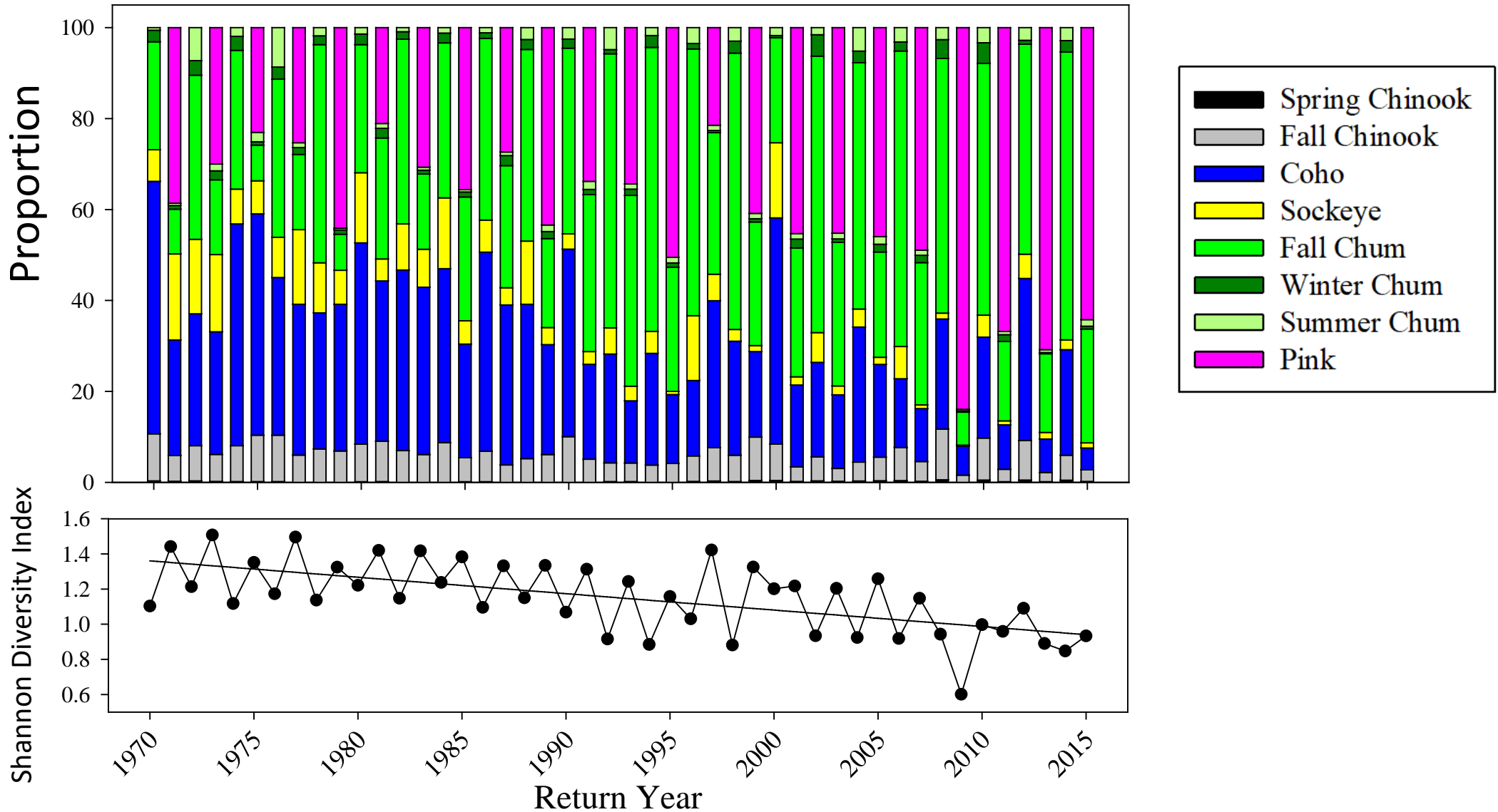
1. Puget Sound Trends-Compare size, abundance and survival across all five species of Pacific Salmon and Steelhead (1970-2015)
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  - Consider the effect of pink salmon abundance



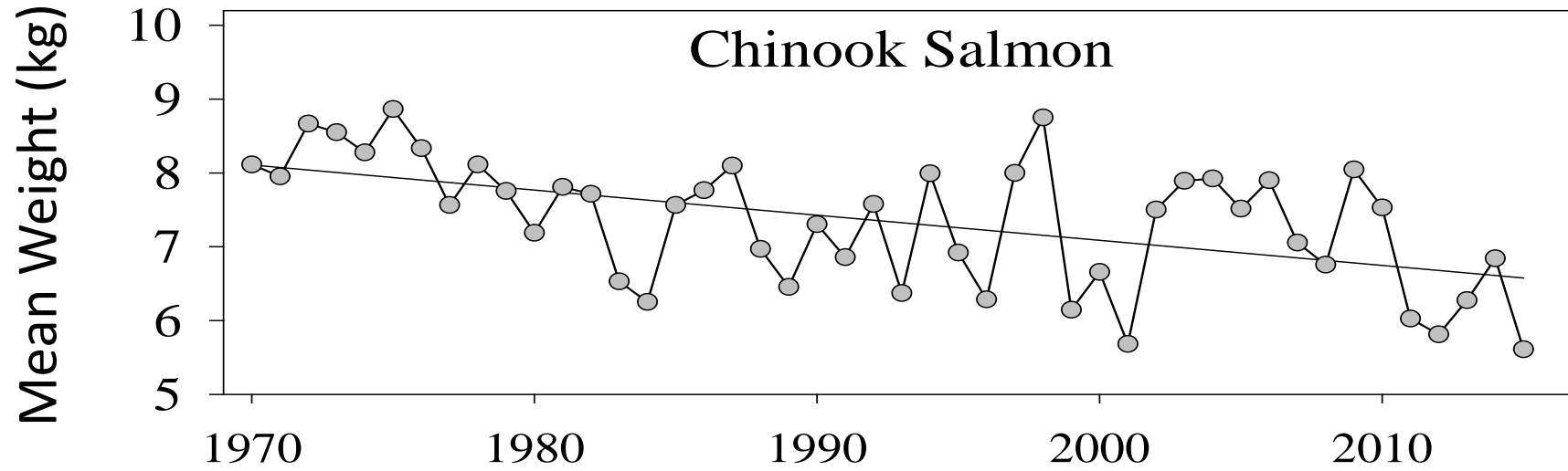
# Puget Sound Salmon Abundance



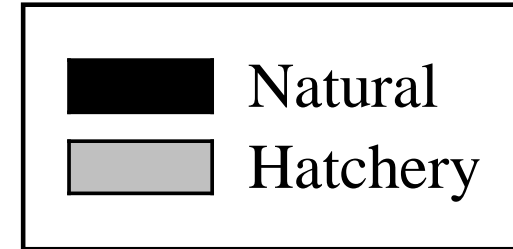
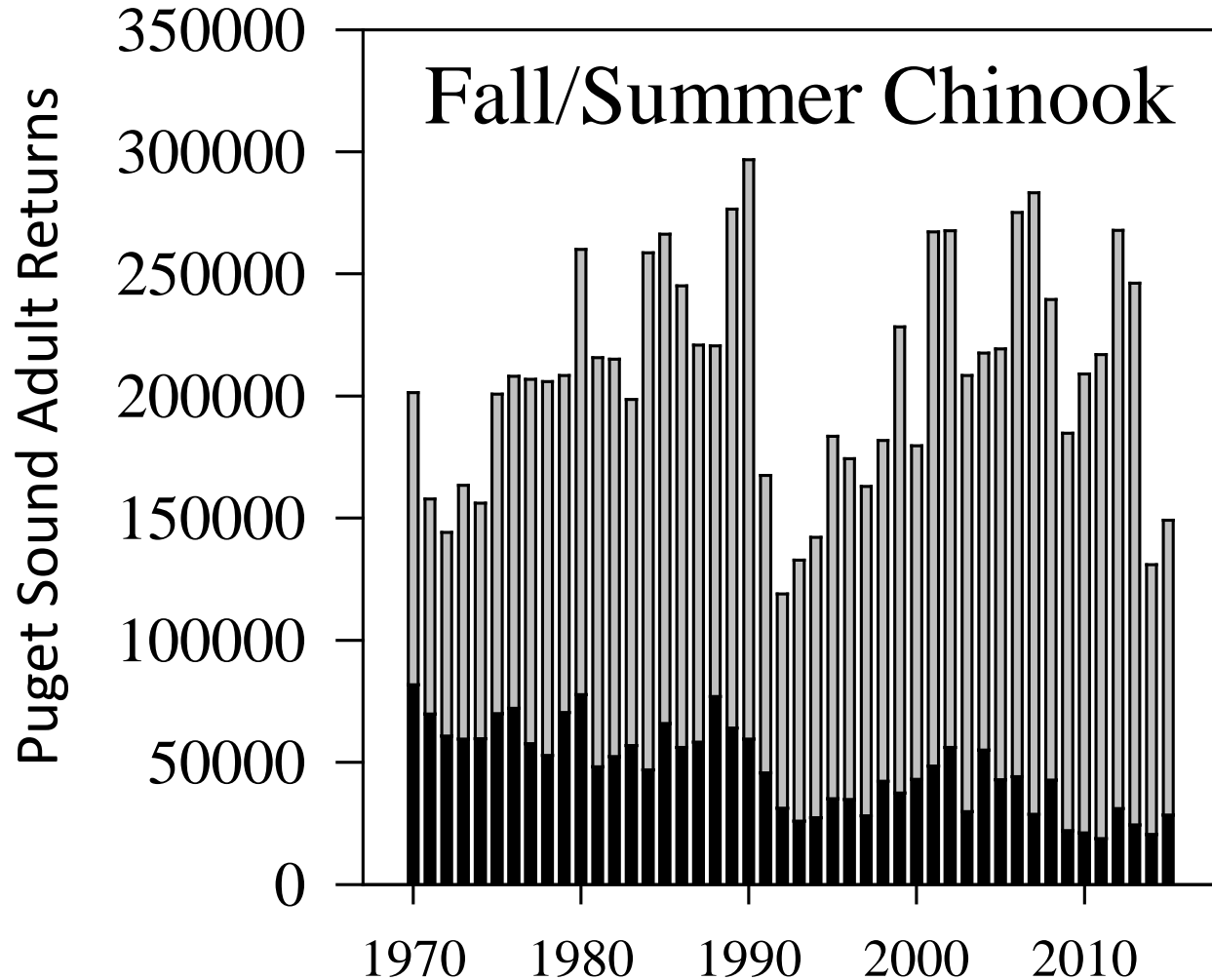
# Salmon Species Diversity



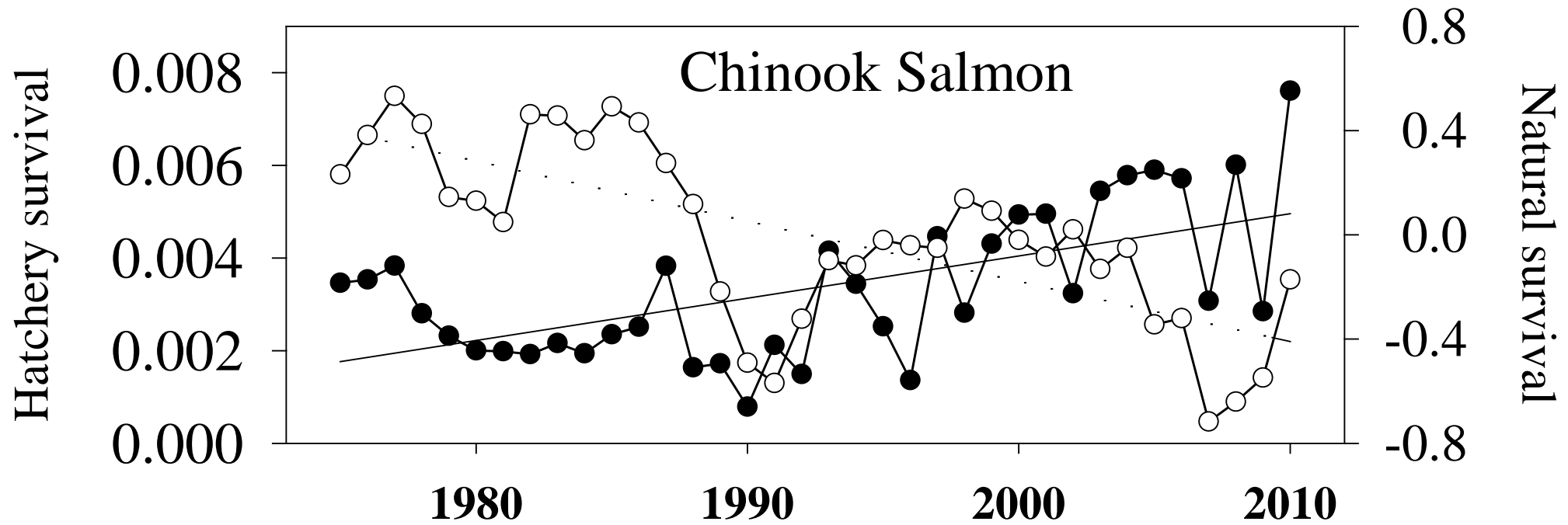
# Salmon Size-Mass (kg)



# Chinook Salmon Abundance-Hatchery vs. Natural



# Chinook Salmon Survival

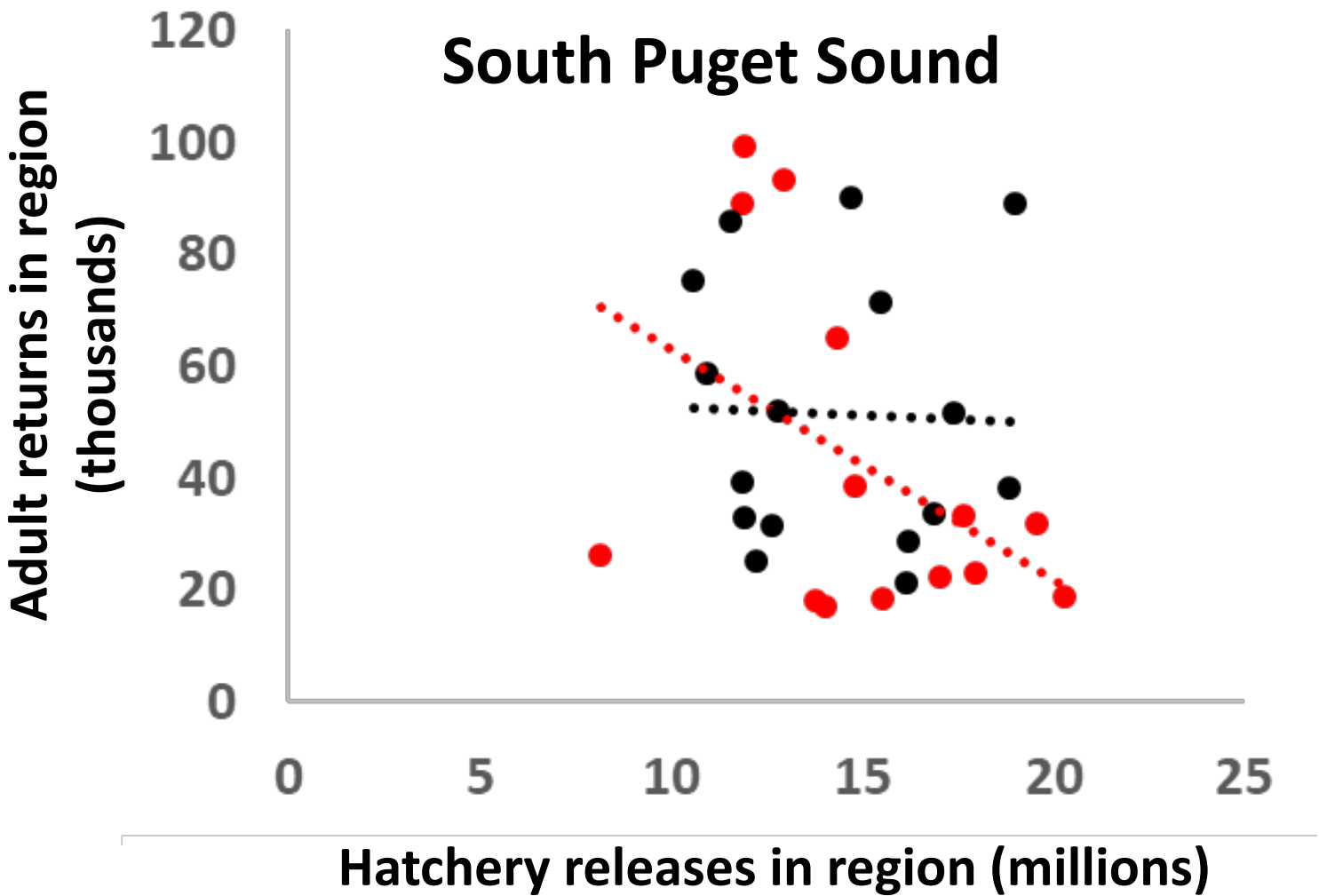


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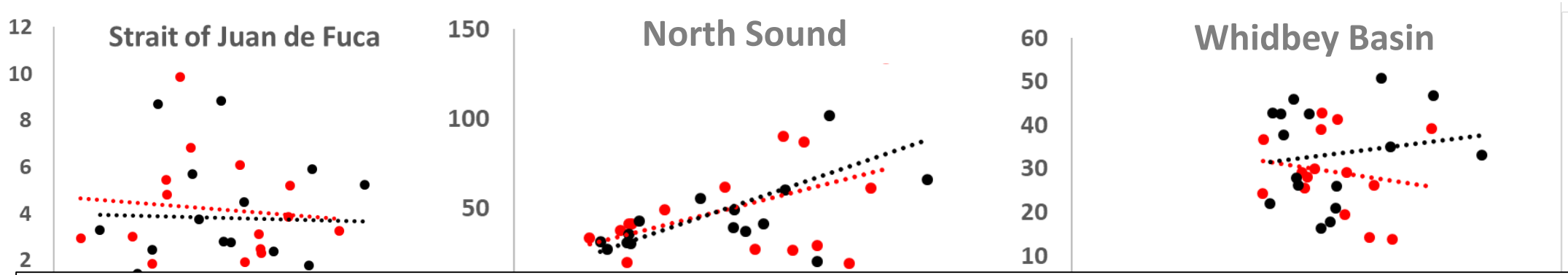
# Chinook salmon returns vs. hatchery releases



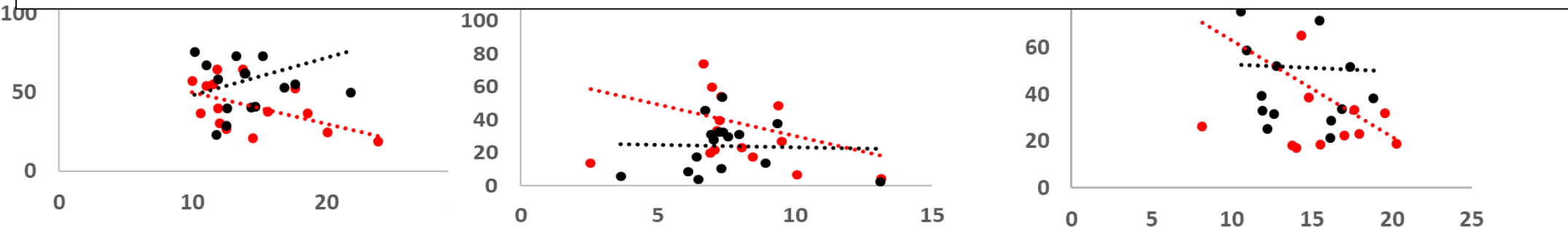


# Chinook salmon returns vs. hatchery releases

Adult returns in region (thousands)



Increased releases may result in increased adults in non-pink years and in northern regions.



Hatchery releases in region (millions)

# Some remaining questions

- What factors result in decreased size of Puget Sound salmon?
- How and where are juvenile pink and Chinook salmon interacting in Salish Sea?
- Expected response of wild Chinook to increased hatchery releases?



# Acknowledgements

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Tribal co-managers: Mike Crewson, Tom Chance, Chris James, Galen Johnson

