

RC Review Template

Submitted by Board Member John Wood, prepared by the Alaska Department of Fish and Game.

November 29, 2022

Trends in size and age of Nushagak River king salmon, 1980 - 2022

Since 1980, king salmon size has decreased from an average of 790 mm (31 in) to an average of just over 600 mm (23.6 in) in 2022 (Figure 1). Most of this can be attributed to a change in age from older fish to younger fish (Figure 3). Until approximately 2002, larger older 4- and 5-ocean fish were the predominant age class (Figure 3). Since that time the proportion of 4- and 5-ocean fish has declined and have been replaced by smaller younger 2- and 3-ocean fish. There may also be a decrease in size-age for age-5 fish (Figure 2).

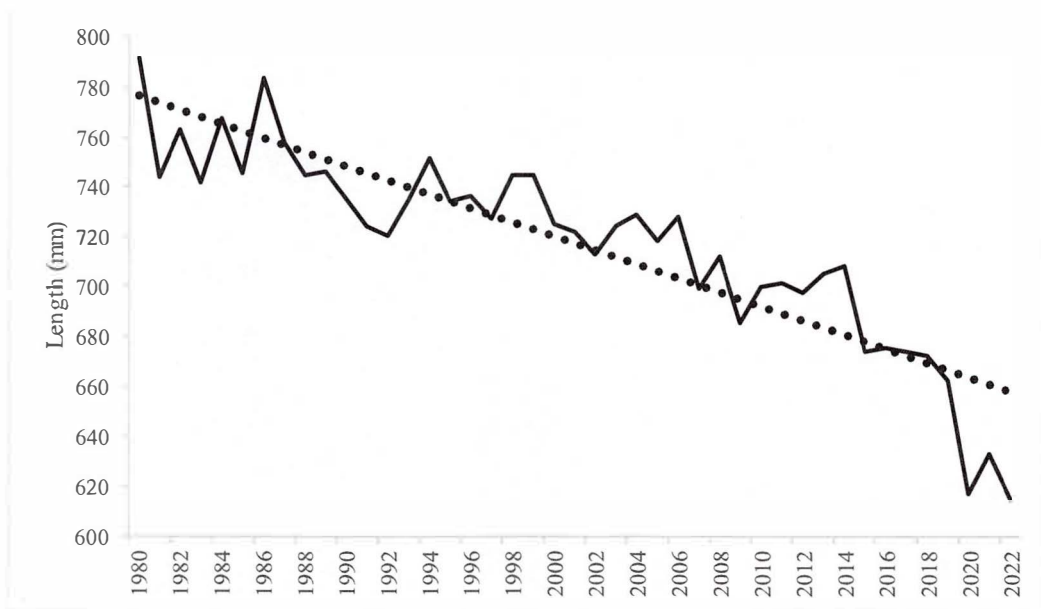


Figure 1 – Mean length of Nushagak king salmon.

Reg SF JS Reg Subs RAD Reg CF MB Regs ___ Enforcement ___ Law (if appropriate) ___
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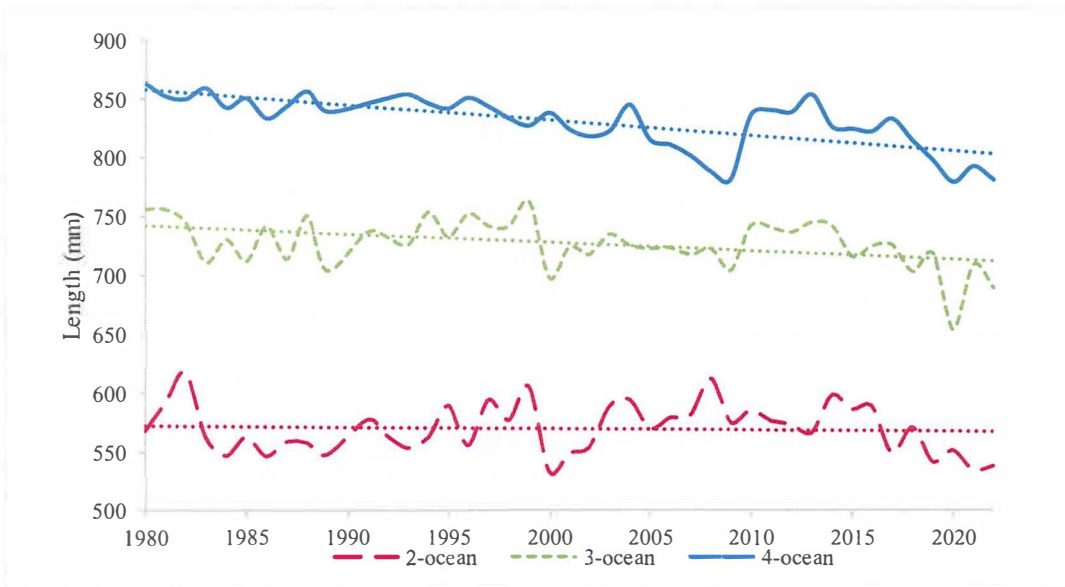


Figure 2 - Mean length by ocean age of Nushagak king salmon.

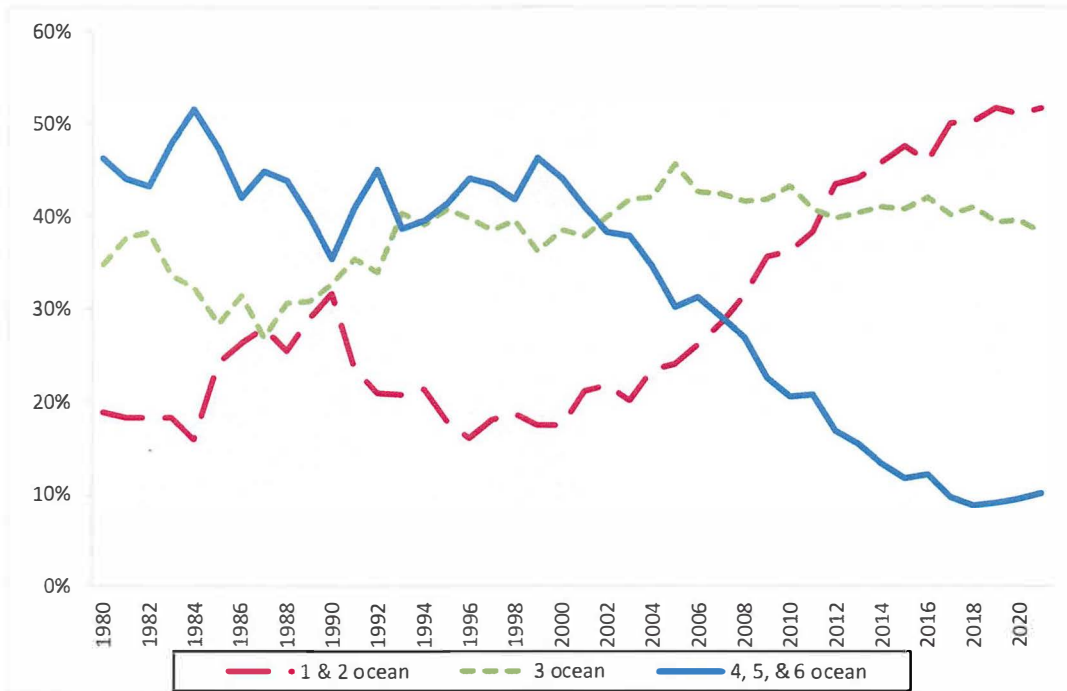


Figure 3 - Changes in age proportions of Nushagak king salmon 5-year smoothed average.

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