

Southern Resident killer whales, threats, and their Chinook prey

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Companion document for 9/8/23 Southern Resident killer whale (SRKW) presentation with web links, the links highlight recent papers and reports and are not comprehensive of all available new information

<https://wdfw.wa.gov/about/commission/meetings/2023/8sep2023-agenda-special-hatchery-workshop>

NOAA web page for SRKW Recovery

<https://www.fisheries.noaa.gov/west-coast/endangered-species-conservation/saving-southern-resident-killer-whales>

Center for Whale Research- annual census, updates about new calves and encounters

<https://www.whaleresearch.com/>

Endangered Species Act 5 year review

<https://www.fisheries.noaa.gov/action/5-year-review-southern-resident-killer-whales>

NOAA Species in the Spotlight Priority Action Plan 2021-2025

<https://www.fisheries.noaa.gov/resource/document/species-spotlight-priority-actions-2021-2025-southern-resident-killer-whale>

Recent papers on vessel impacts and new initiatives

[Effects of Vessel Distance and Sex on the Behavior of Endangered Killer Whales](#) (Holt et al 2021)

[Vessels and their sounds reduce prey capture effort by endangered killer whales \(*Orcinus orca*\)](#) (Holt et al 2021)

[Divergent foraging strategies between populations of sympatric matrilineal killer whales](#) (Tennessen et al 2023)

U.S. Quiet Sound <https://quietsound.org/>

Canadian ECHO Program <https://www.portvancouver.com/environmental-protection-at-the-port-of-vancouver/maintaining-healthy-ecosystems-throughout-our-jurisdiction/echo-program/>

Select studies on SRKW health

[Bacterial microbiomes from mucus and breath of southern resident killer whales \(Orcinus orca\)](#) (Rhodes et al. 2022)

[Inbreeding depression explains killer whale population dynamics](#) (Kardos et al. 2023)

[Epidemiology of skin changes in endangered Southern Resident killer whales \(Orcinus orca\)](#) (Gaydos et al 2023)

[Pathology findings and correlation with body condition index in stranded killer whales \(Orcinus orca\) in the northeastern Pacific and Hawaii from 2004 to 2013](#) (Raverty et al. 2020)

[Survival of the fattest: linking body condition to prey availability and survivorship of killer whales](#) (Stewart et al 2021)

New SeaDoc Society SRKW health assessment video <https://www.youtube.com/watch?v=8U0kC3gFkhQ>

Key prey studies

[Species and stock identification of prey consumed by endangered southern resident killer whales in their summer range](#) (Hanson et al 2010)

[Endangered predators and endangered prey: Seasonal diet of Southern Resident killer whales](#) (Hanson et al 2021)

[Southern Resident Killer Whale Priority Chinook Salmon Stocks](#) (NOAA Fisheries and WA Fish and Wildlife 2018)

NOAA web story on [Increased Hatchery Production Aims to Boost Chinook Salmon for Endangered Killer Whales](#), 2021

[NOAA notice announcing an Environmental Impact Statement \(EIS\) will be prepared in accordance with the National Environmental Policy Act \(NEPA\) to analyze the impacts to the environment of alternatives related to a funding program addressing species affected by fisheries managed under the Pacific Salmon Treaty](#)

PFMC Workgroup and Amendment 21

[Southern Resident Killer Whale Endangered Species Act Consultation – Final Action](#)

[Pacific Fishery Management Council Salmon Fishery Management Plan Impacts to Southern Resident Killer Whales FINAL DRAFT Risk Assessment](#), 2020

[Consultation on Implementation of the Pacific Fishery Management Council Salmon Fishery Management Plan in 2020 for Southern Resident Killer Whales and Their Current and Proposed Critical Habitat](#)