

SALMON TECHNICAL TEAM REPORT ON
PACIFIC SALMON FISHERY MANAGEMENT PLAN AMENDMENT 24
SOUTHERN RESIDENT KILLER WHALE CHINOOK THRESHOLD CLARIFICATIONS

The Salmon Technical Team discussed the proposed revision to Section 6.6.8 of the Pacific Salmon Fishery Management Plan (FMP), as described in Agenda Item C.3, Attachment 1. We recommend the following modification intended to provide an additional description and citation for the Shelton et al. model.

Modify the following sentence to include additional text highlighted in bold:

Chinook abundance estimates in TS1 are calculated using two models (as described in the Council's Ad Hoc SRKW Workgroup report (PFMC 2020)) – the Fishery Regulation Assessment Model (FRAM) and **a spatial distribution model whose initial development is described in Shelton et al. (2019)**, which are both periodically updated.

This modification would also require including the following citation for Shelton et al. (2019) in the literature cited in the FMP:

Shelton, A.O., W.H. Satterthwaite, E.J. Ward, B.E. Feist, and B. Burke. 2019. Using hierarchical models to estimate stock-specific and seasonal variation in ocean distribution, survivorship, and aggregate abundance of fall run Chinook salmon. *Can. J. Fish. Aquat. Sci.* 76:95-108. [dx.doi.org/10.1139/cjfas-2017-0204](https://doi.org/10.1139/cjfas-2017-0204)

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