

## **Pacific Salmon: Ecology and Management of Western Alaska's Populations**

Charles C. Krueger and Christian E. Zimmerman, editors

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This timely book examines the sustainability of salmon fisheries in the Arctic-Yukon-Kuskokwim (AYK) region of Alaska. With more than fifty chapters, the book assesses the ecological processes that cause change in salmon populations; describes the effects of varying salmon runs on rural communities; reviews state, Federal, and international management of salmon fisheries in the region; and examines emerging themes at the nexus of salmon ecology and management in the AYK region.

Topics covered include marine and freshwater ecology; subsistence, commercial, and sport fisheries; and economics, governance, and cultural issues.

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Pacific salmon: ecology and management of western Alaska's populations. American Fisheries Society, Symposium 70, Bethesda, Maryland. Article (PDF Available) · January 2009 with 97 Reads. In this paper, results from studies conducted on the estuarine ecology of juvenile salmon in western Alaska are summarized and compared, emphasizing timing and distribution during outmigration, environmental conditions, age and growth, feeding, and energy content of salmon smolts. In western Alaska, water temperature dramatically changes with season, ranging from 0°C after ice melt in late spring/early summer to 19°C in July. Pacific Salmon: ecology and management of western Alaska's populations. American Fisheries Society Symposium 70, Bethesda, MD. McPhee, M. V., M. S. Zimmerman, T. D. Beacham, B. R. Beckman, J. B. Olsen, L. W. Seeb, and W. D. Templin. 2009. A hierarchical framework to identify influences on Pacific salmon population abundance and structure in the Arctic-Yukon-Kuskokwim Region. Pages 1177-1197 in C. C. Krueger, and C. E. Zimmerman, editors. Pacific salmon: ecology and management of western Alaska's populations. 2009. Stock-structured distribution of western Alaska and Yukon juvenile Chinook salmon (*Oncorhynchus tshawytscha*) from United States BASIS surveys, 2002–2007. (External PDF) NPAFC Bulletin 5: 51–59. 2008.