

Response of fish populations to stream reclamation

s.n - Population Models for Stream Fish Response to Habitat and Hydrologic Alteration: the CVI Watershed Tool. EPA/600/R



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Fish Population Response to Stream Restoration Course by Lower Great Lakes Fish and Wildlife Conservation Office

The Fisheries Framework for spring-run and fall-run Chinook salmon, completed in 2018, outlines the goals and objectives for establishing self-sustaining spring-run and fall-run Chinook salmon populations in the Restoration Area. In addition, we genotyped 20 hatchery fish to assess the potential for historical introgression of stocked fish hatchery fish were stocked into the system historically. In removal scenarios, system extinction was predicted to occur most rapidly within 17 years at 90% confidence when access to both tributaries was blocked.

Population Models for Stream Fish Response to Habitat and Hydrologic Alteration: the CVI Watershed Tool. EPA/600/R

Given the high proportion of stage-0 fish in the tributaries, it appears that open tributaries in this system act as reproductive sources.

Ecological Responses to Fish Reclamation Treatments

Models will be linkable to integrated water quality and hydrologic models that simulate habitat characteristics e. In simulations where access to either OL or to both OL and OS was blocked, extinction was predicted within 10. Lebreton JD, Pradel R 2002 Multistate recapture models: modelling incomplete individual histories.

Fish Population Response to Stream Restoration Course by Lower Great Lakes Fish and Wildlife Conservation Office

Incorporating the stage 0 survival from the Isolated tributary into the Open system increased λ and reduced extinction risk.

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