

### **Range Expansion**

European green crabs were first introduced into San Francisco Bay during the 1980's. From there they spread northward during the 1990's via larvae carried on north-flowing ocean currents. These currents were especially strong during the unusually warm and strong EI Niño of 1997-1998. Following this event, young green crabs were discovered in Oregon, Washington and British Columbia.



# **Status of the European Green Crab in the Pacific Northwest** Sylvia B. Yamada, Zoology Department, OSU, Corvallis, Oregon 97331. yamadas @science.oregonstate.edu **Graham E. Gillespie, Fisheries and Oceans Canada, Pacific Biological Station** 3190 Hammond Bay Road, Nanaimo, B.C. Canada V9T 6N7



# Conclusions

- transport.

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•Green crabs have persisted in the Pacific Northwest since 1998.

•Highest green crab densities (>20 per trap) occur on the west Coast of Vancouver Island.

•Ocean conditions that favor green crab recruitment are warm winters and currents that retain the larvae.

•So far, green crabs have not entered the inland sea between Vancouver Island and the mainland. Therefore, it is important that this predator not be introduced to these productive shellfish growing areas via ballast water or shellfish



