GHOST SHRIMP MONITORING

Jordan Acres

Camano Island

The Species

- Scientific name: *Neotrypaea californiensis*
- Phylum: Arthropoda, Subphylum: Crustacea
- 11.5 cm long, one large claw
- Inter
- Eggs :on, begi fall

The Problem

- Gray whales
- Human demand
- Harvest
  - slurp gun

The Concern

- Ghost shrimp population
- Intertidal habitat
- Gray Whales

The Response

- 2010 - Petition to list gray whales
- 2013 – Monitor ghost shrimp protocol

5) The licensing of commercial shrimping is occurring on many of these "favorite" Gray whale feeing beaches, much of the harvesting taking place during the time the whales are present

SUBMITTED BY ORCA NETWORK

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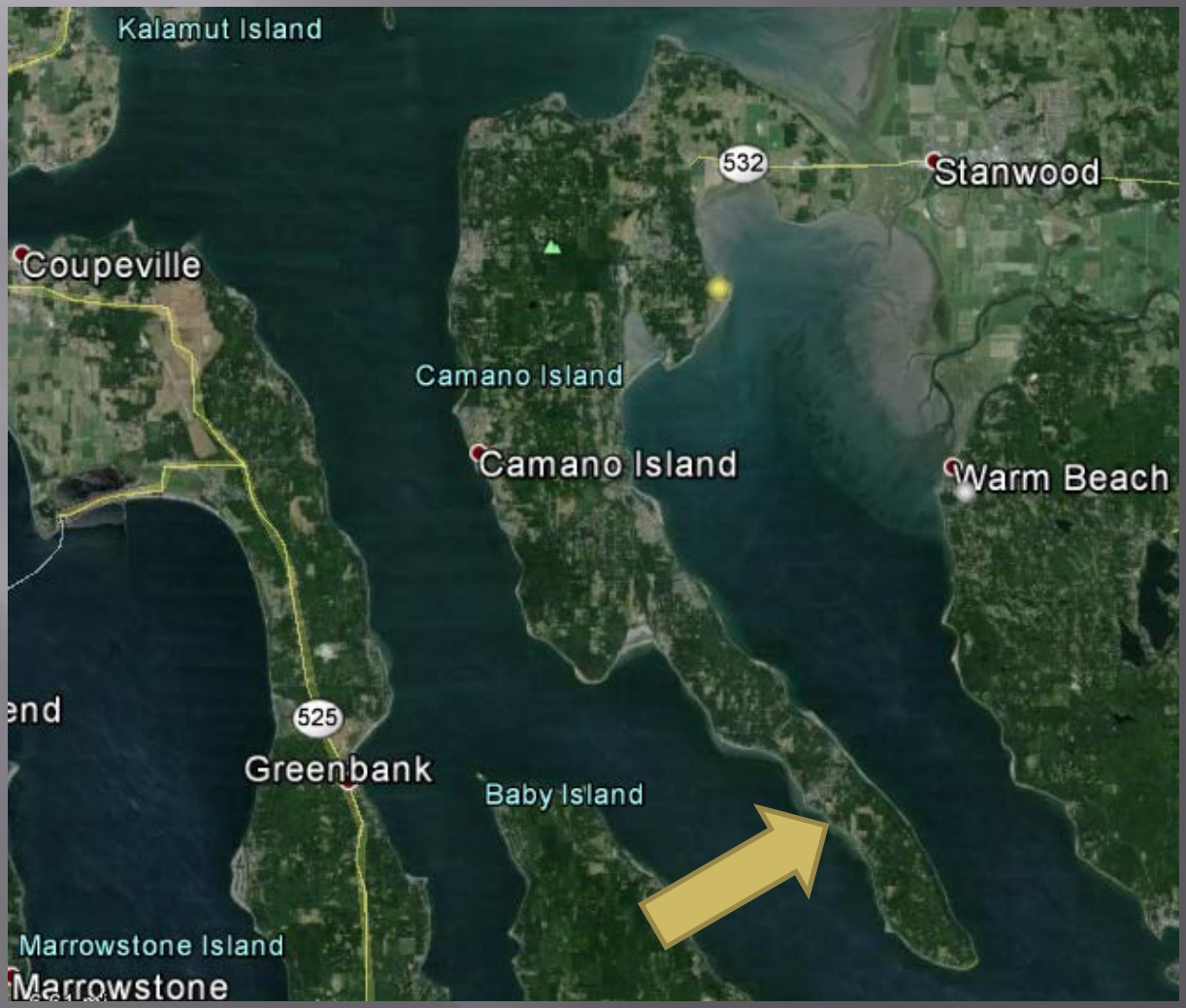
Orca Network of Greenbank, WA, has been conducting studies to collect data on beaches used by the North

Langley city leaders got their wish this week when the Washington State Department of Natural Resources announced an end to ghost shrimp harvesting in Saratoga Passage.

Monitoring Protocol

Location



Purpose & Objective

- Purpose: To determine the population trend at Jordan Acres.
- Management Objective: To maintain population level.
- Monitoring Objective: Determine population density and total population number with a 90% confidence that a 10% change can be detected with a 10% chance of a false change error.

Results

	2013	2014
Mean Density	111.8	247.2
Standard Deviation	43.6	37.3
Habitat Size (m^2)	19,587	23,383
Population Size	2,189,827	8,005,078

Questions