

Screening microorganisms to control burrowing shrimp

Sample Collecting Trip Summary

Jim@invasivespeciescorporation.com
Pam@invasivespeciescorporation.com
Amit@invasivespeciescorporation.com

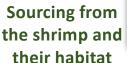
https://www.invasivespeciescorporation.com

A Delaware Public Benefit Corporation

Discovering Microorganisms to Control Burrowing Shrimp: How We Do It







Isolate microorganisms (=microbes) on site & at the lab from the samples

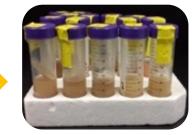


Alastonia Telebraich

One microbe selected from the original plates & isolated per plate



Ferment each microbe in tubes

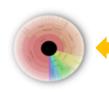


Develop fermentation processes to produce the microbes in larger quantities





Determine the pesticidal natural compounds made by the microbes



DNA Sequencing of microbes with activity against the shrimp



Test each microbe against the shrimp or a surrogate species in welled plates



Develop liquid or dry formulations



Quick test against rats for toxicity



Conduct
Toxicology &
Ecotox tests, 5batch analysis &
other studies for
Regulatory
submission





Sample Collecting Trip Week Dec 4th



Seven sample collecting sites:

- 1. Behind Tradewinds Hotel (Dec 4)
- 2. Shoalwater Bay Site 1 (Dec 4)
- 3. Shoalwater Bay Site 2 (Dec 4)
- 4. Port of Penisula (Dec 5)
- 5. TL 620 (Dec 5)
- 6. Along trail and beach 1.5 miles SW of Tradewinds (Dec 6)
- 7. Goosepoint Oyster Cedar River site (Dec 7)











Day 1 - Dec 4th Site One - Behind Tradewinds Hotel

Larissa Pfleeger-Ritzman
Director, Natural Resources Department
Shoalwater Bay Indian Tribe
Tokeland, WA 98590
(360) 267-8108 (O)
lpfleeger@shoalwaterbay-nsn.gov





Day 1 - Dec 4th Two Sites -Shoalwater Bay

Guided by Larissa Pfleeger-Ritzman

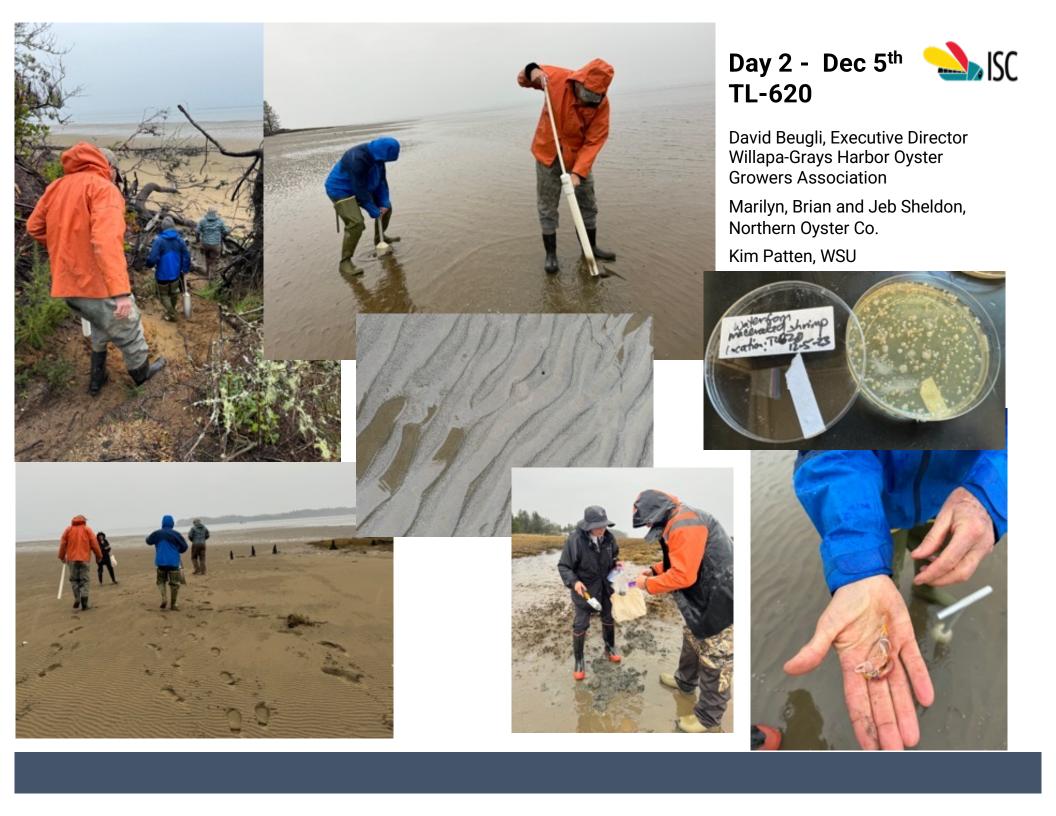
















Port of Penisula



David Beugli, Executive Director Willapa-Grays Harbor Oyster **Growers Association**

Marilyn, Brian and Jeb Sheldon, Northern Oyster Co.

Kim Patten, WSU















Day 3 - Dec 6th - Walking SW 1.5 miles behind Tradewinds Hotel

Day 4 - Dec 7th - Nisbet Oyster Co. /Cedar River Site Kathleen Nisbet-Moncy with Marilyn Sheldon











