WDFW: Inland Salish Sea

Early-Detection Monitoring Program

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Overview

- WA State Sightings Map
- Types of trapping assessments
- 2018 Effort Summary
- 2019 Effort Summary
  - Where we went
  - What we found
- Coastal Updates
  - Willapa Bay
  - Grays Harbor

EGC Sightings in WA State

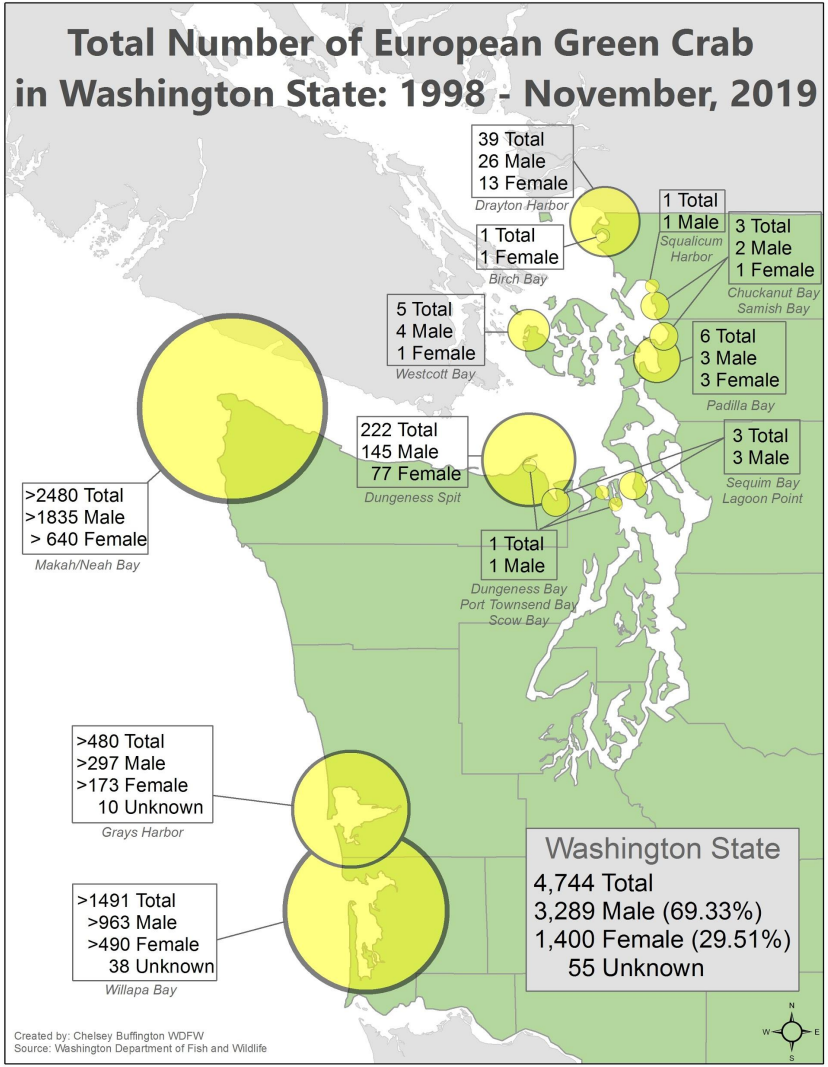
Map does not indicate any form of effort

Constantly outdated

Coastal growers still reporting EGC

New sites in 2019:

- Drayton Harbor
- Birch Bay
- Chuckanut Bay
- Mad Bear Rock (Makah)



Types of Trapping Assessments

Experimental (trap, bait, location, etc)

Early-Detection Monitoring

Expanded Assessments

Follow-up Assessments

Rapid Responses

2018 Effort Summary

Sites sampled: 42

Number of traps deployed: 1,292

Number of EGC captured: 4

Number of Rapid Responses: 4

Number of Follow-Up/Expanded Assessments: 3

2019 Effort Summary

Sites sampled: 59

Number of traps deployed: 1,897

Number of EGC captured: 43

Number of Rapid Responses: 4

Number of Follow-Up/Expanded Assessments: 4

Trap Testing

Makah Bay/Tsoo-Yess River: May 13-15

- Pitfall Trap Testing
- 5 small pitfall traps for 2 nights
- **1 male, 49mm**

CPUE = 10 EGC / 100 traps

Early-Detection

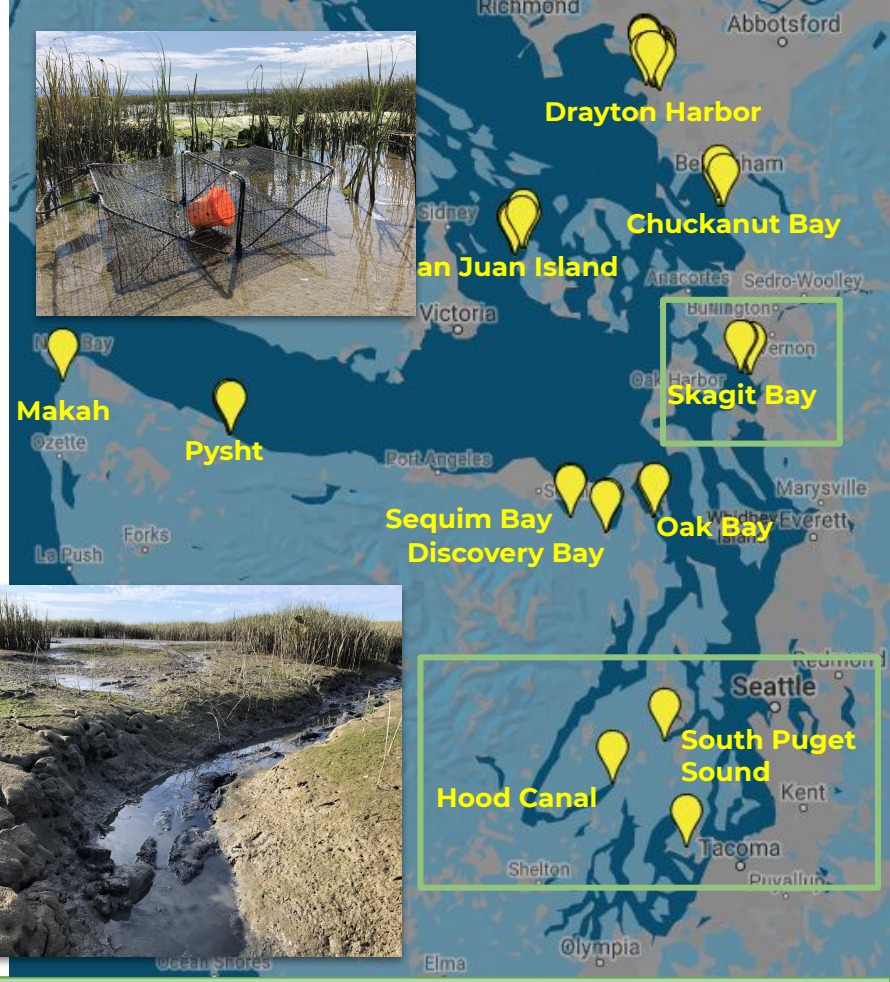
South Puget Sound/Hood Canal: May 20-23

- Gorst Lagoon, Lynch Cove, Wollochet Bay
- 128 trap-days

Skagit Bay: August 12-14

- Browns Slough, Fir Island Farms, Hall Slough, Jensen Access site
- 152 trap-days

No EGC.



Expanded

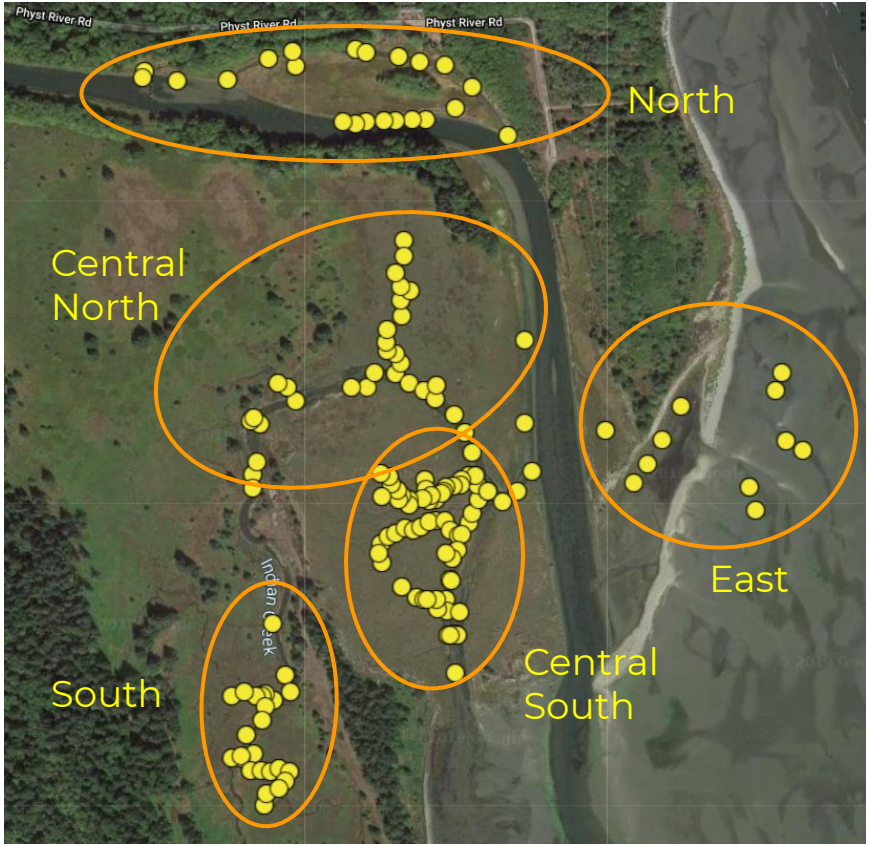
Pysht

Expanded

Pysht: July 15-17

- Location positioned between Makah Bay and Dungeness Bay
- 5 designated sites
- 311 trap-sets

No EGC.



Early-Detection Rapid Response

Jefferson-Clallam Counties

- Sequim Bay, Discovery Bay, Oak Bay, Indian Island-Portage

Early-Detection

Jefferson County: September 9-11

- Discovery Bay, Oak Bay, Indian Island-Portage
- 142 trap days

No EGC.

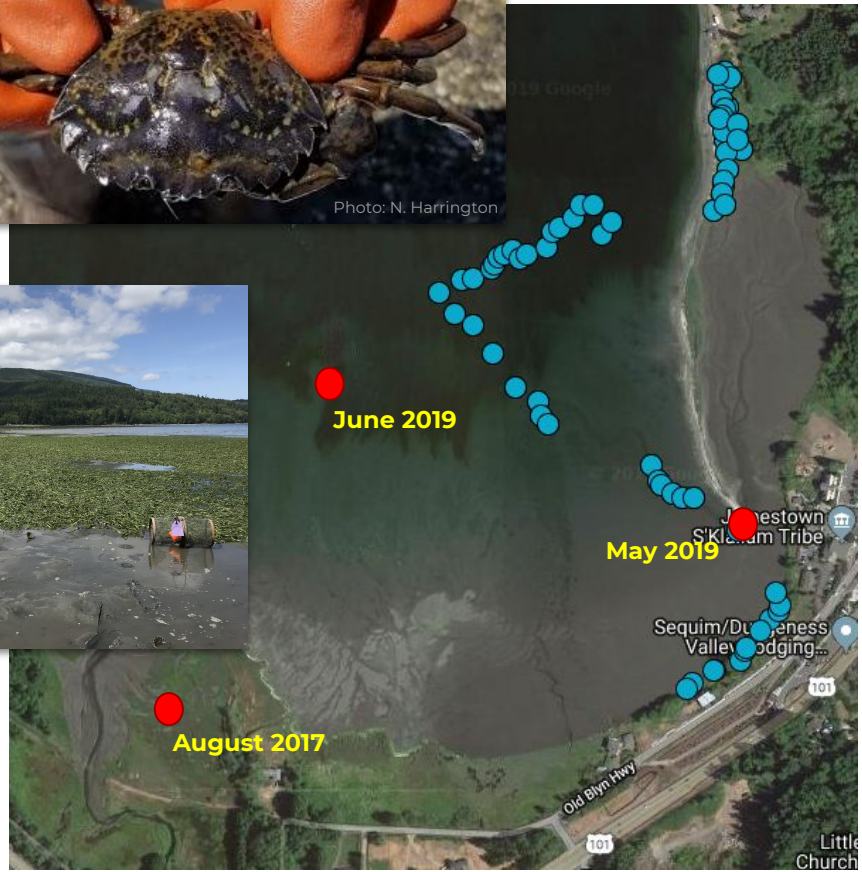
Rapid Response

Sequim Bay: June 3-5

- Rapid response to EGC captured by Neil Harrington
- 118 trap-days

No EGC.

But wait… Neil reported another large male near oyster cultch in their Olympia Oyster Restoration site.



Follow-Up

San Juan Island: August 27-29

- Westcott Bay Marsh, Henry Island, Roche Harbor, Davidson Head
- 340 trap-days
- **1 male, 64mm**

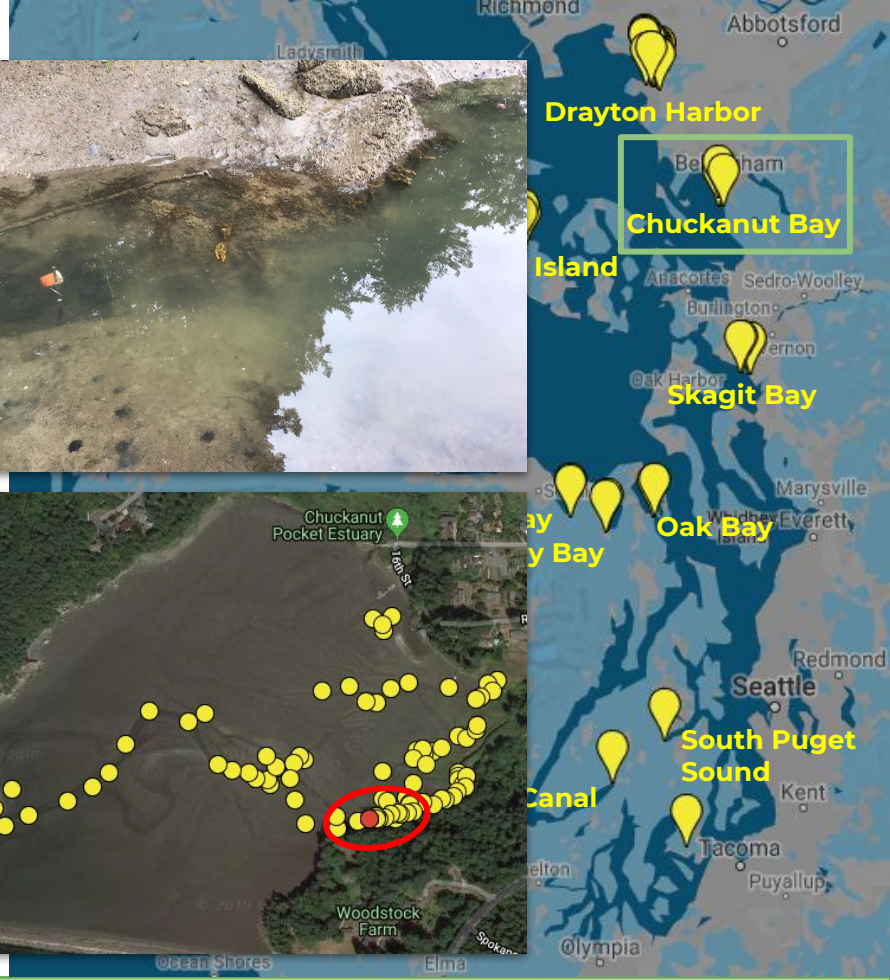
CPUE = 0.29 EGC / 100 traps

Rapid Response

Chuckanut Bay #1: July 1-3

- Rapid Response to preyed upon EGC
- Chuckanut Bay, Clarks Point, Post Point Lagoon
- 171 trap-days
- **3 EGC at Chuckanut Creek:**
  - **2 males (79, 78.6mm)**
  - **1 female (46.7mm)**

<u>CPUE = 2.11 EGC / 100 traps*</u>

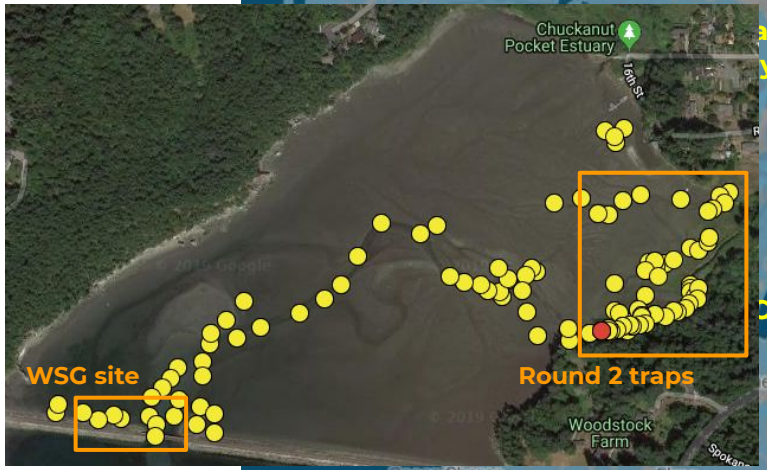


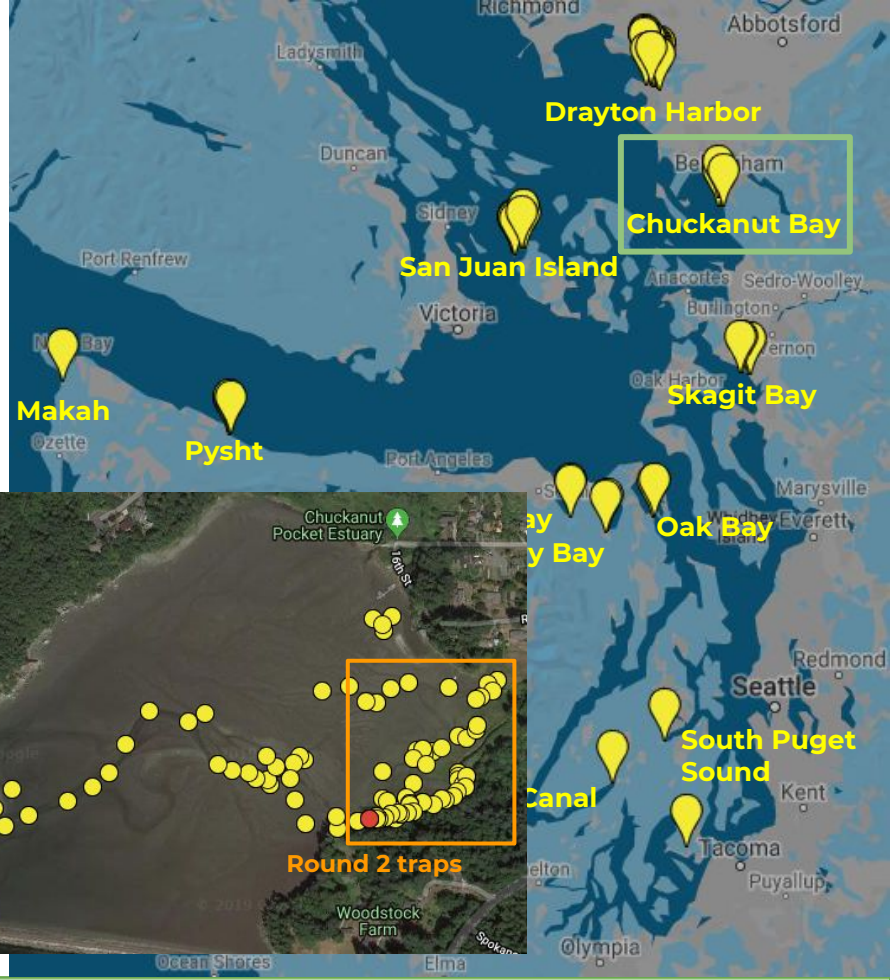
Rapid Response

Chuckanut Bay #2: July 29-31

- Follow-up/Rapid Response
- Set further up creek
- 80 trap-days

No EGC.





EGC Detections

Previous Sites

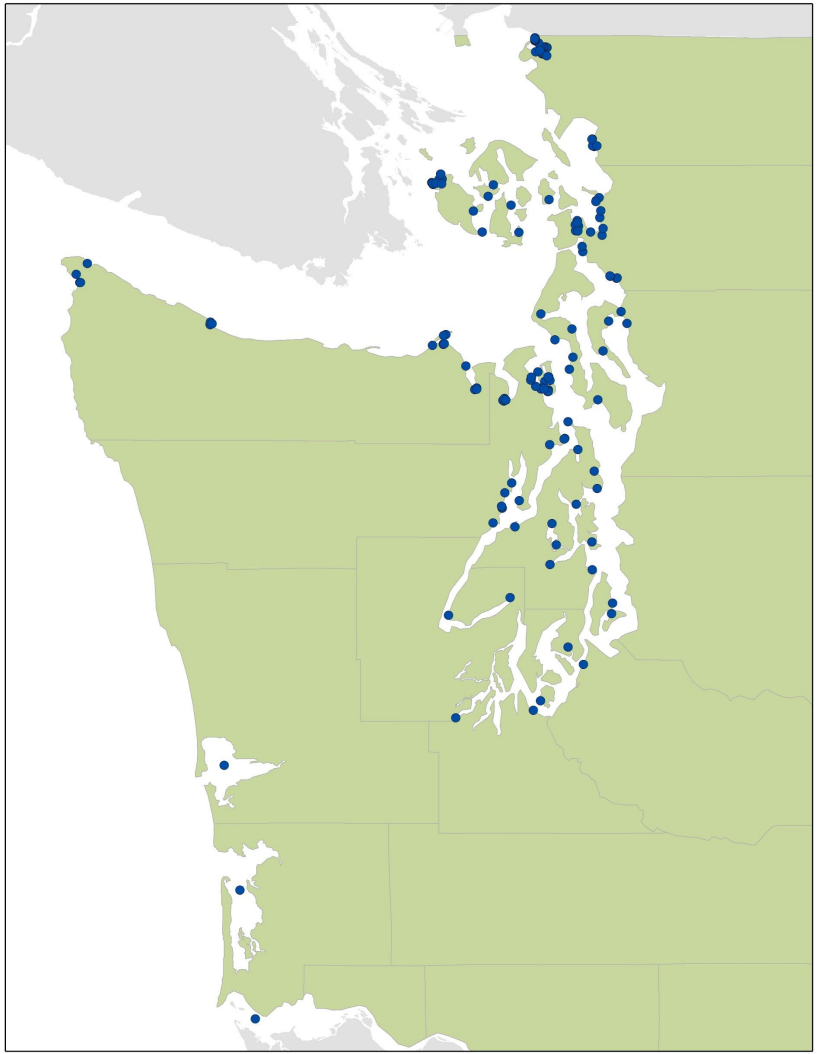
- Tsoo-Yess:
  - 1 male in pitfall trap
- Westcott Bay Marsh:
  - 1 male in main channel

New Sites

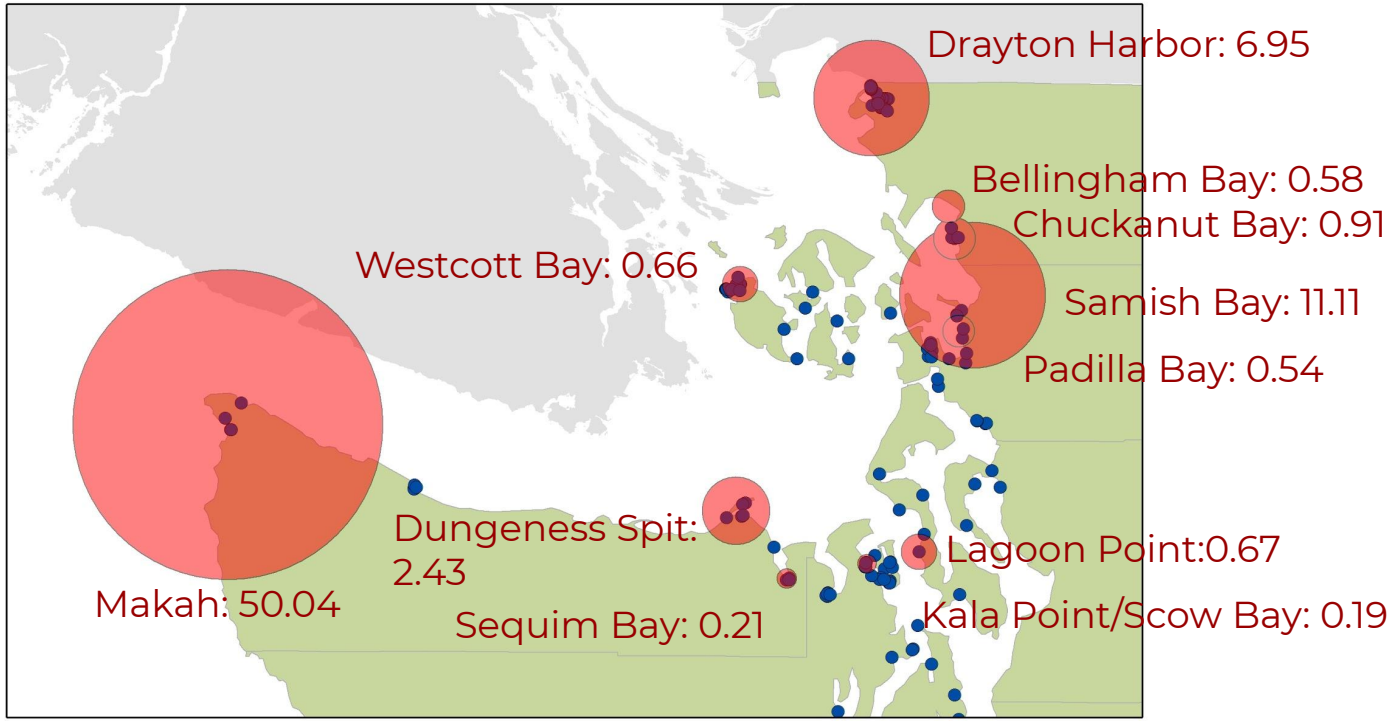
- Chuckanut Bay:
  - 2 males and 1 female in SE creek
- Drayton Harbor
  - 38 total: 25 males, 13 females

Summarized WA Effort

Generalized summary of trapped locations around WA State



Catch Per Unit Effort



COASTAL UPDATE

Willapa Bay

- Total >1490 (M: 963, F: 490)
- Majority of reports from growers (Elkhorn, Bay Center Farms)
- Coastal monitoring ended in 2002 (some efforts continued)

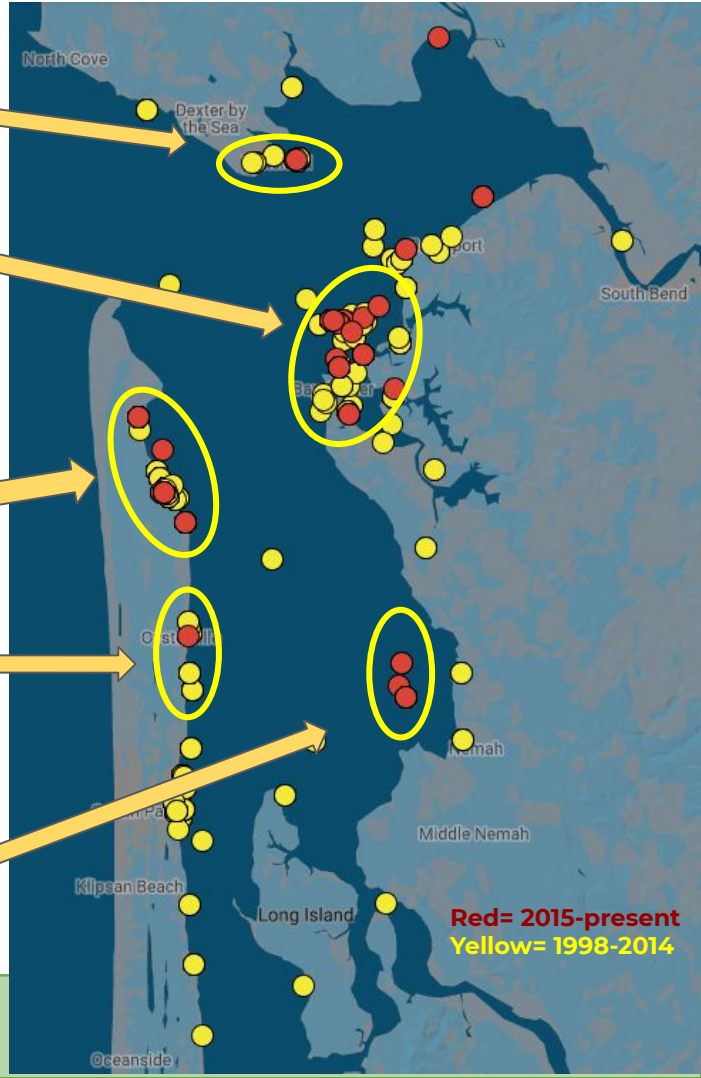
Tokeland
At the Port of Willapa Harbor, Tokeland Marina and Kindred Slough

Bone River/Wilson Point/Goose Point
Reports from Elkhorn Oyster and Bay Center Farms

Stackpole
A. Randall captured 38 during trapping session in October 2019

WDFW Field Station
Drop off point for some EGC

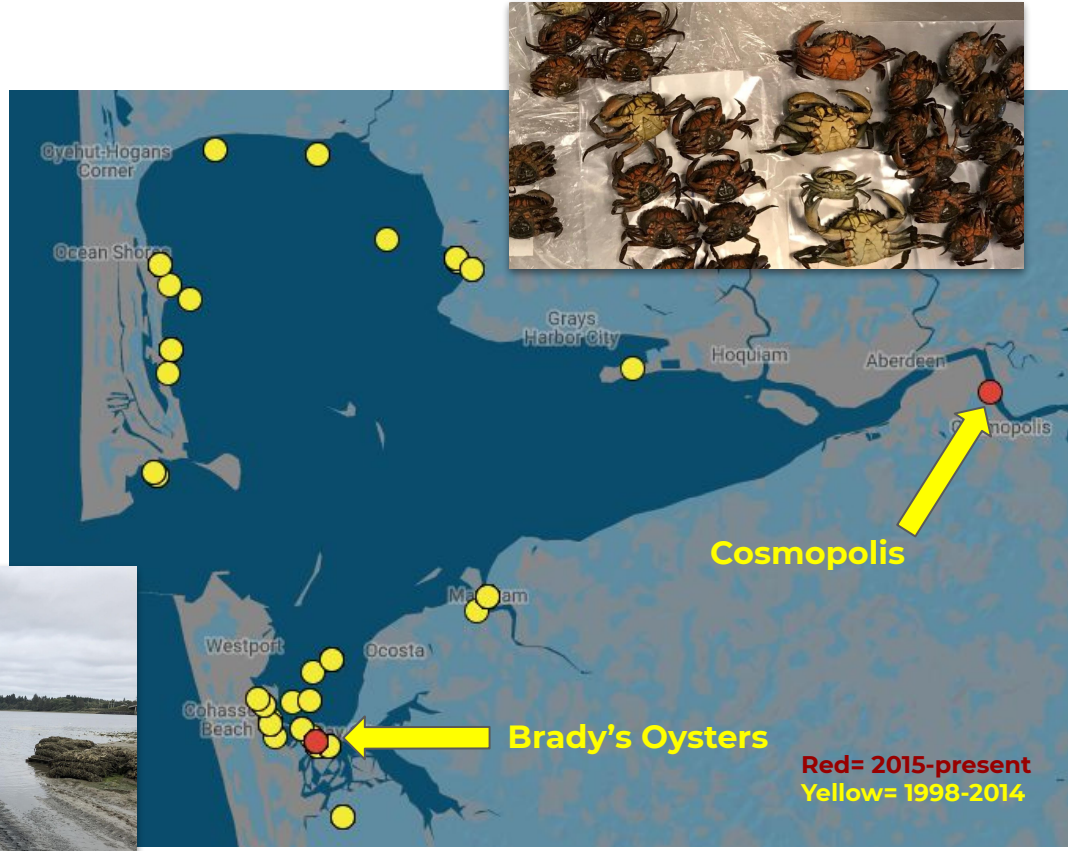
Nemah
Reports from Bay Center Farms and Dan Driscoll



COASTAL UPDATE

Grays Harbor

- Total: >480 (M: 287, F: 138)
- Gravid: 15 (7 from this year alone)
- 146 reported this year (106 being females)



Where to Report a Sighting

Take pictures and record your location!

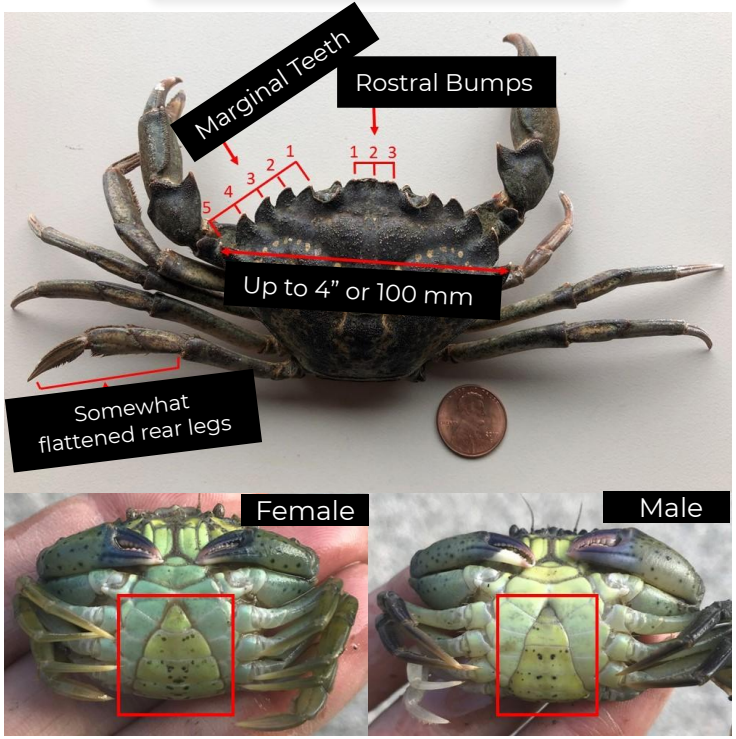
Phone:
1.888.WDFW.AIS (1.888.933.9247)

Email:
crabteam@uw.edu

Online:
https://invasivespecies.wa.gov/report-a-sighting/
https://wdfw.wa.gov/species-habitats/invasive

Smartphone App:

"WA Invasives"



Partners/Acknowledgements

THANKS!