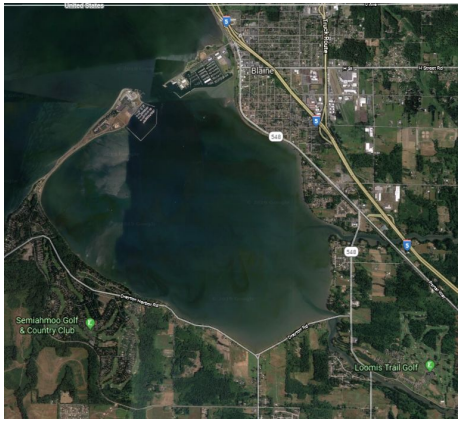
DRAYTON HARBOR



A collaborative effort

Drayton Harbor

Shellfish pollution since 1988

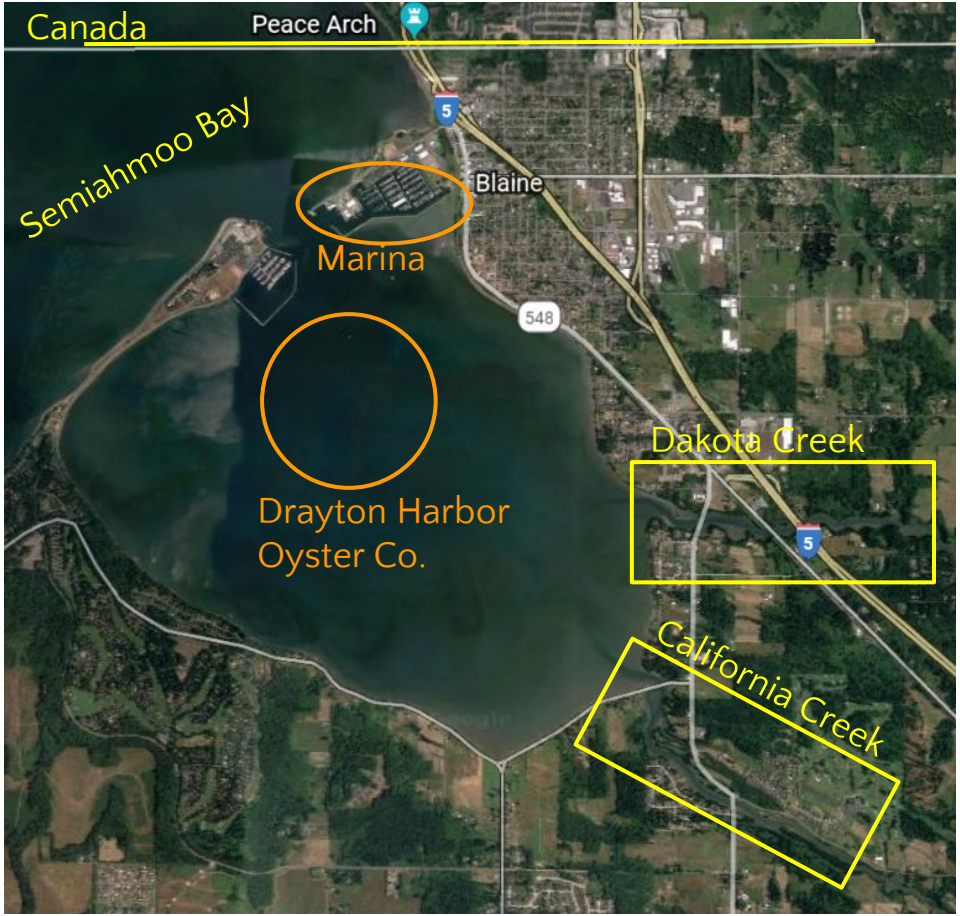
1999 – harbor closes shellfish harvesting, Drayton Harbor Oyster Co. moved on to other things

Puget Sound Restoration Fund w/Betsy Peabody

2001 – Drayton Harbor Community Oyster Farm

2004 – 575 acres reclassified to conditionally approved

2015 – Drayton Harbor Oyster Co. reopens



WSG Crab Team

California Creek monitoring site since 2017

- 17 sampling efforts
- 102 trap sets
- **No EGC trapped**

WSG Crab Team

California Creek monitoring site since 2017

No EGC trapped

Molts reported by volunteers in August

Molt (YOY) in monitoring survey in September

WDFW Rapid Response #1: September 24-26

5 sites at easily accessible locations

178 trap sets

17 EGC: 8 males 29-50mm, 9 females 26-41mm (YOY)

<u>CPUE = 9.55 EGC / 100 traps</u>

WDFW Rapid Response #1

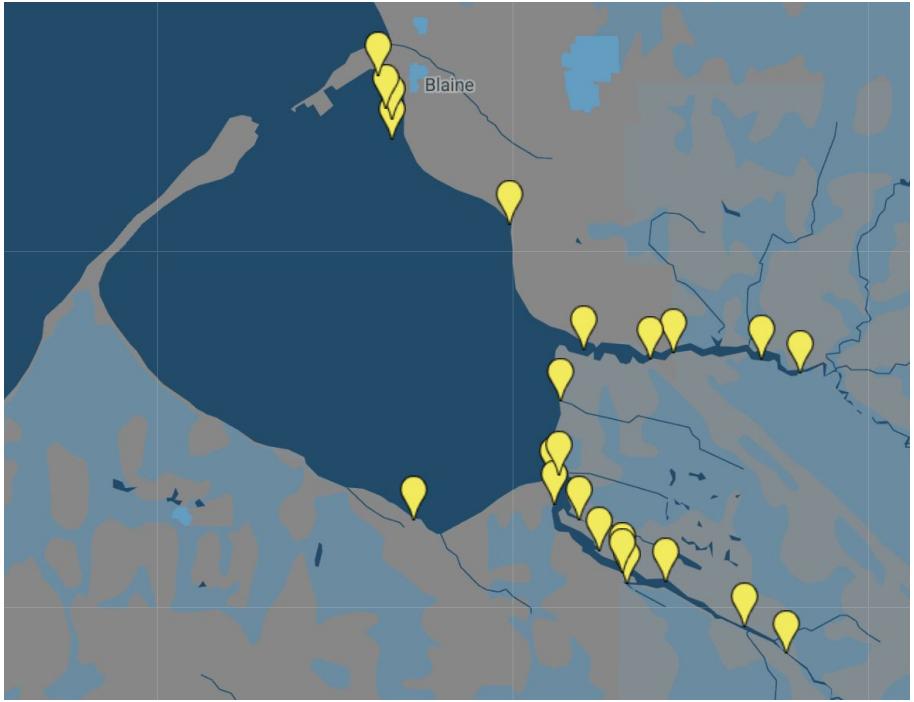
Collaborative Efforts: Rapid Response #2

Determine broader range in Drayton

How far upstream?

Property access

October 8-10



Collaborative Efforts: Rapid Response #2

Collaborative Efforts: Rapid Response #2

114 Trap sets

7 EGC captured

Mostly young of the year

Collaborative Efforts: Rapid Response #2

6 sites with 11 “micro-sites”

153 trap sets

14 EGC captured:
12 males, 2 females

Collaborative Efforts: Rapid Response #2

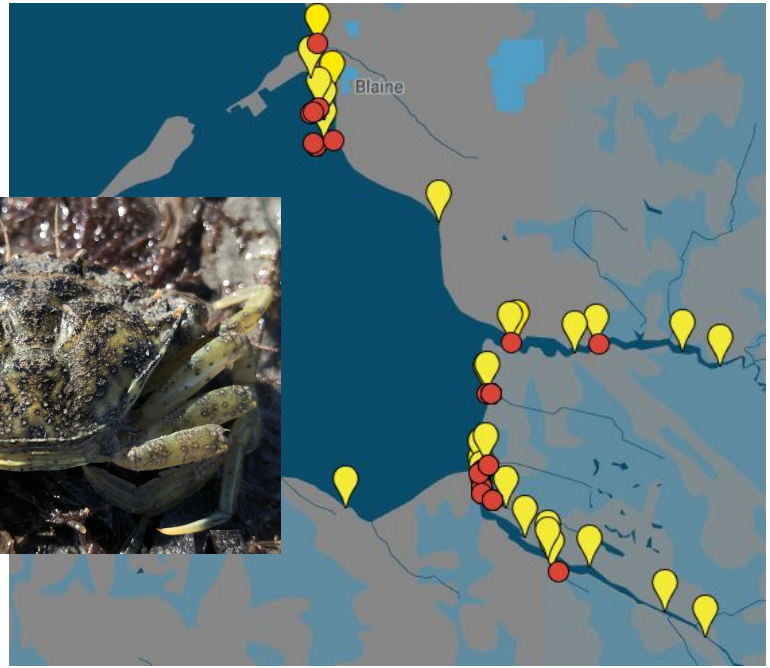
23 sites surveyed

267 trap sets

21 EGC total

17 males and 4 females
Most were <50mm YOY
1 female 65.5mm and 1 male 58mm

CPUE = 7.87 crabs per 100 traps



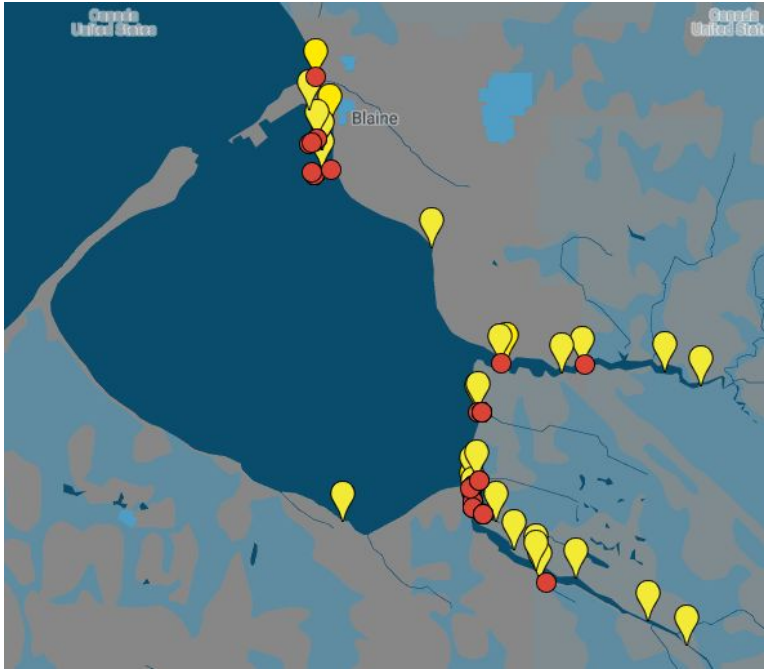
Drayton Harbor: Combined Efforts

445 trap sets

38 EGC total

25 males, 13 females

<u>CPUE = 8.54 crabs per 100 traps</u>



Subsequent EGC sightings

Birch Bay: 10/13/2019

- Tidepool w/eelgrass
- Seagull predation

Drayton Harbor Fishing Pier: 11/2/2019

- Recreational crab pot (ring)

What's Next?

- Additional Information
  - Assessment of Boundary Bay and surrounding areas
  - Assess source population (Sooke or coast)
- More ***concerning*** and more ***complex*** than other inland Washington Sites
  - Removal trapping will require coordinated efforts, access

Thanks!

- Crab Team Volunteers:
  Alex, Heather, Margarette, Eleanor
- Whatcom Land Trust
- Lummi Nation
- Many! Landowners