

Pacific Herring Spawn Surveys North Átl'ka7tsem / Howe Sound

2017 – 2019

ADDENDUM: SURVEY – 2019 update

Surveys, images and documentation
John Buchanan, Squamish BC



Herring on the West side of
Howe Sound Jan. 9, 2014
10u 0484662
utm 5502819

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Survey method

- Cruise the shoreline with boat,
- Use binoculars to spot glistening globs of eggs on seaweed,
- Mark the spots (beginnings and ends) with GPS,
- Take photos and videos.

Equipment used

Boat

2017-2019 - 16 foot fiberglass runabout with 50hp outboard motor

GPS

Garman 62s

Cameras

Gopro hero 3

Pentax wg-11

Sony 1000

Microscopes

10 x field microscope

Celestron digital lab microcope

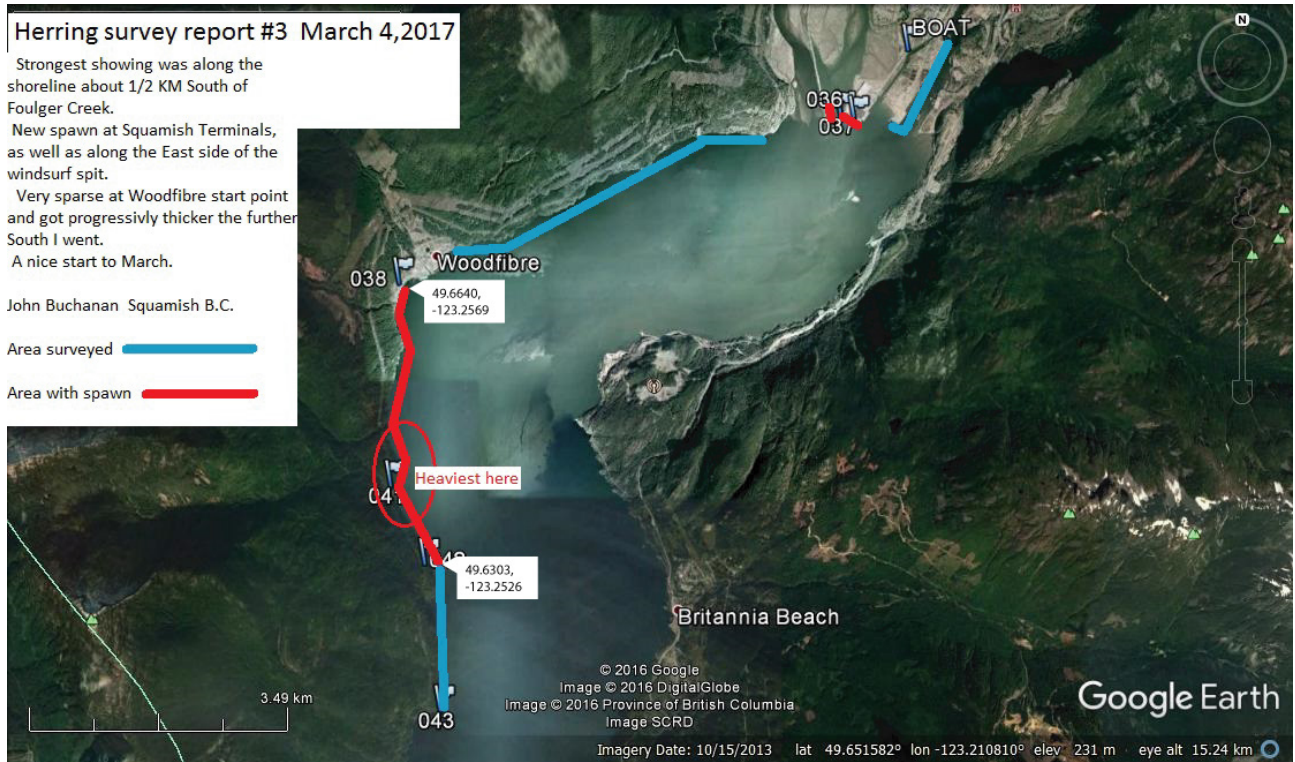
Disclaimer

The frequency of surveys has been dependent on the availability of John Buchanan.

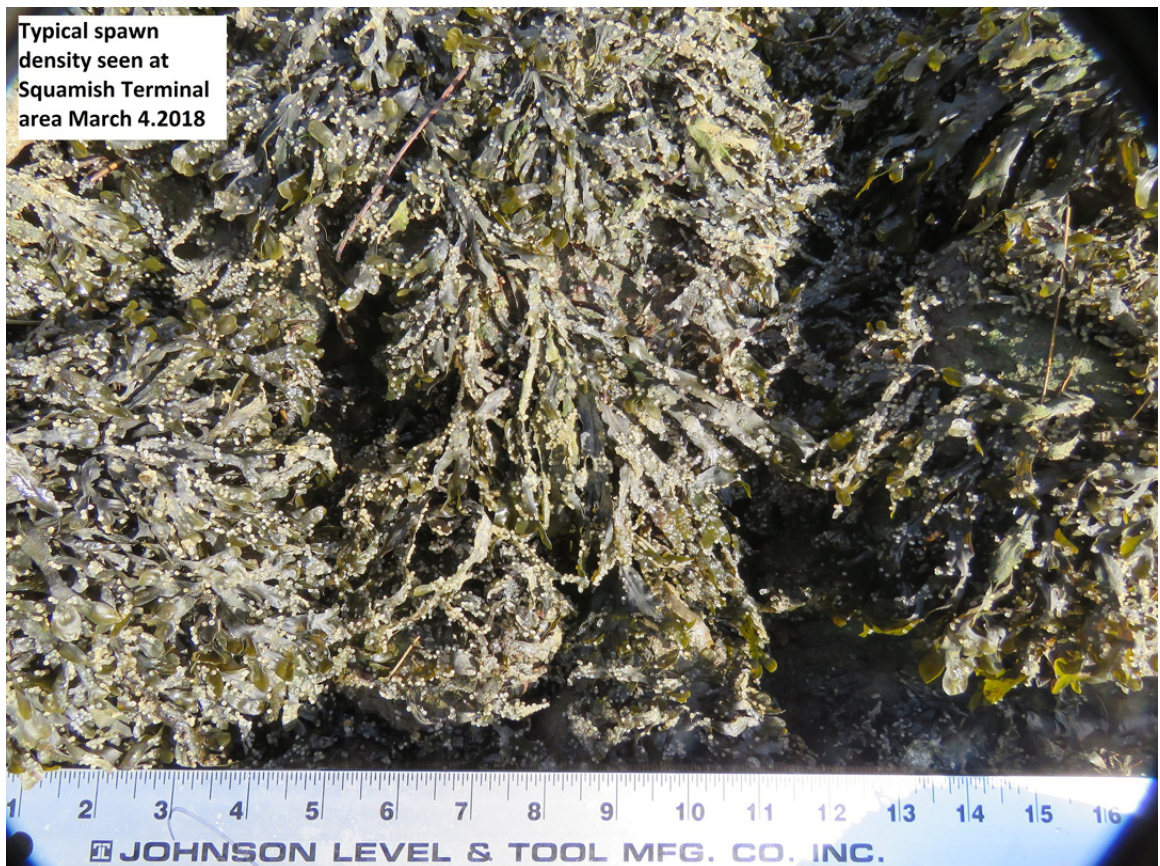
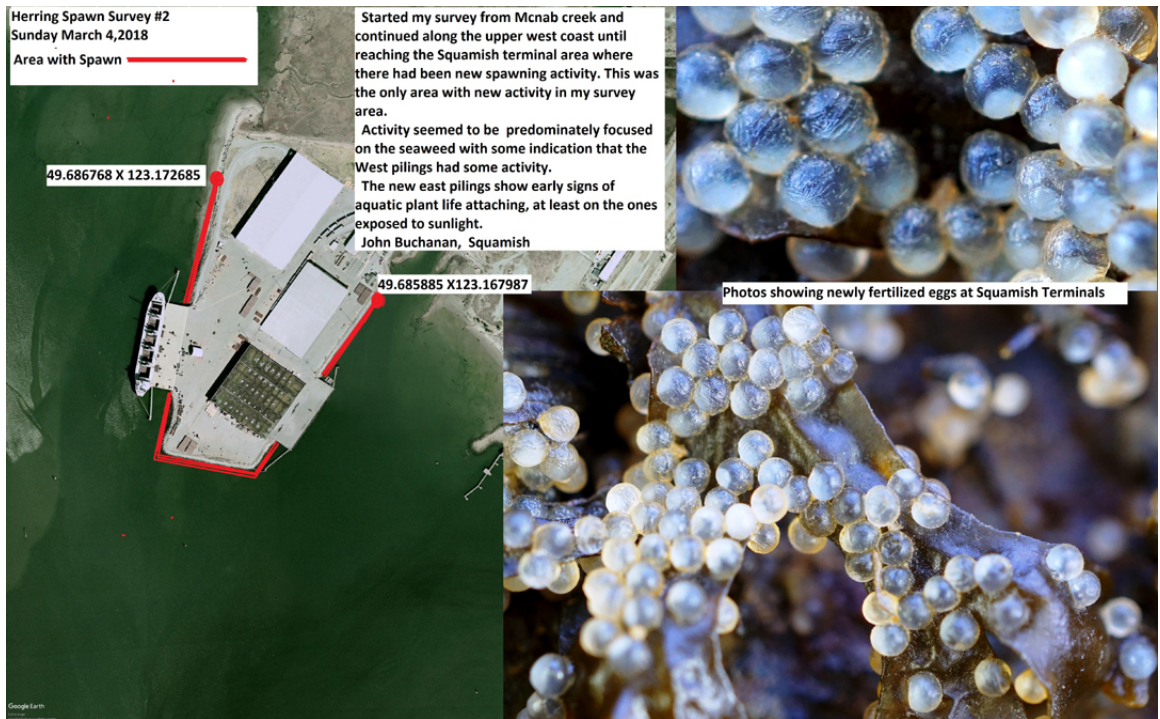
Surveying, and recording of herring spawn is an volunteer effort.

Therefore absence of herring spawn records for certain months or years does not mean herring spawn events did not occur.

2017 Herring Spawn survey images: **March 4, 2017**



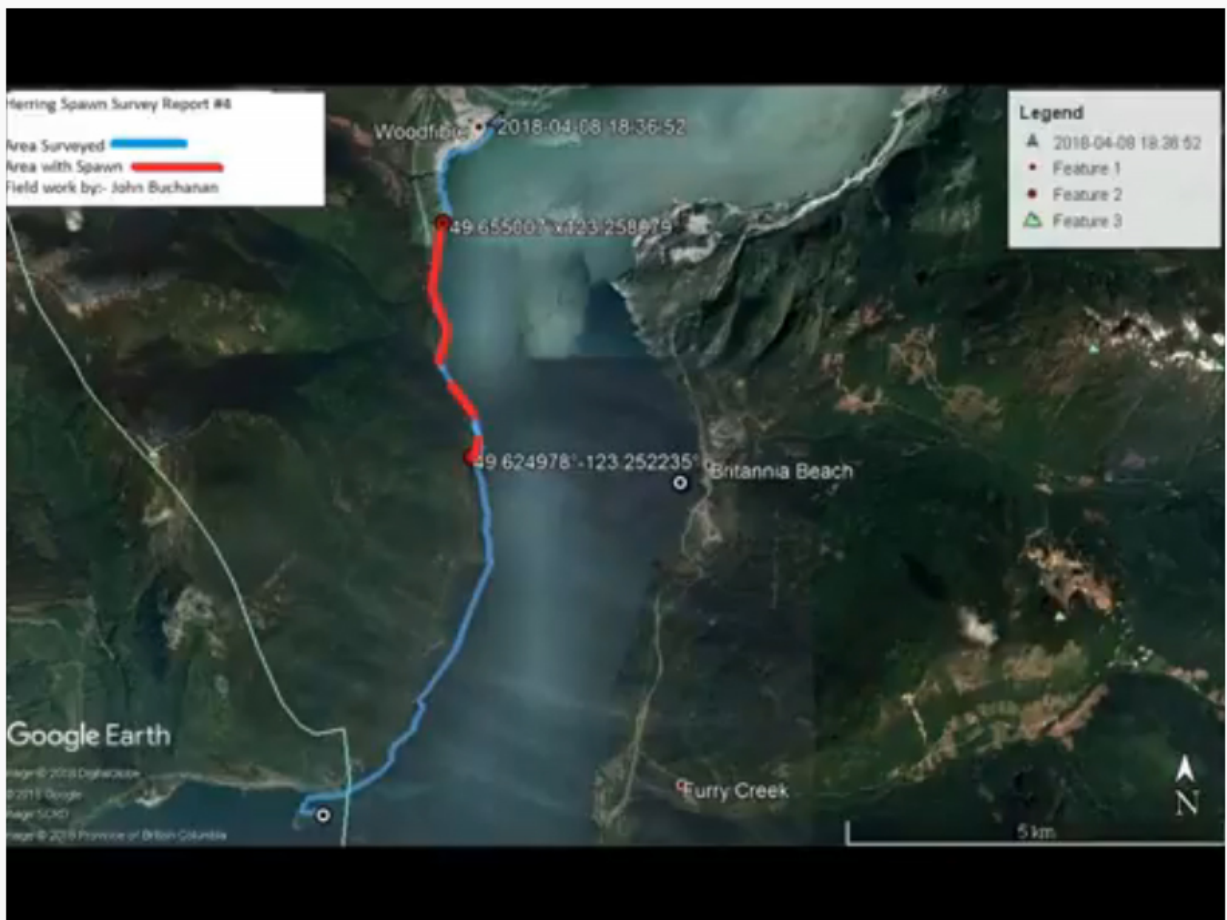
2018 Herring Spawn survey images: **March 4, 2018**



2018 Herring Spawn survey images: **March 24, 2018**



2018 Herring Spawn survey images: **April 8, 2018**



Herring spawn report 4 April 8,2018 Upper Howe Sound, British Columbia

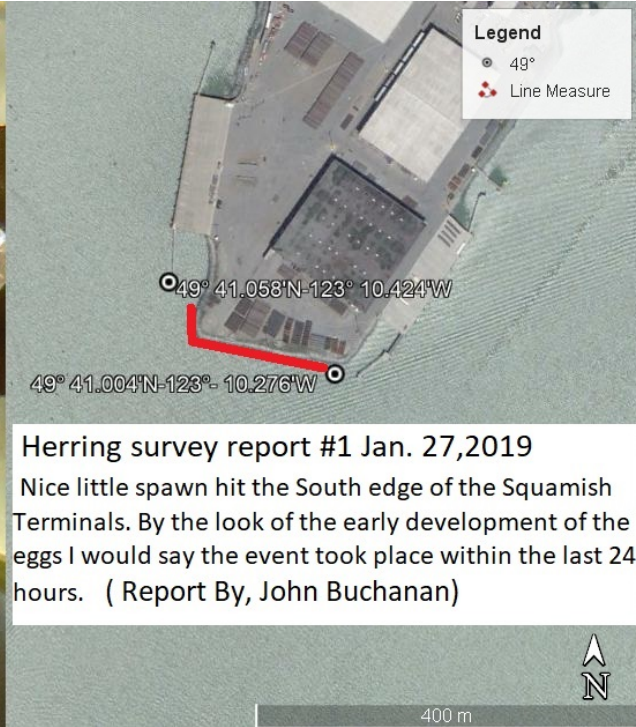
767 views · Apr 9, 2018

👍 11 🗨️ 0 ➦ SHARE ≡+ SAVE ⋮

Youtube video report link

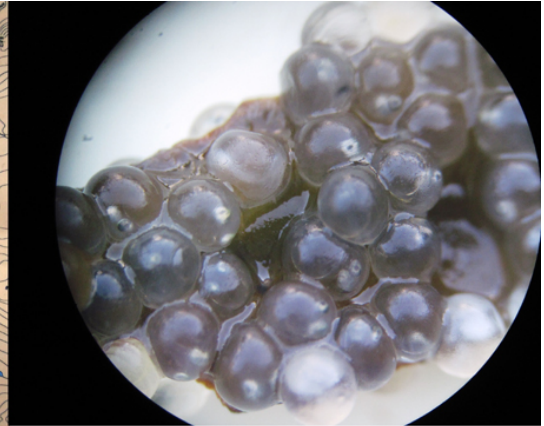
https://www.youtube.com/watch?v=tABHmo0CDQk&feature=em-share_video_user

2019 Herring Spawn survey images: **January 27, 2019**

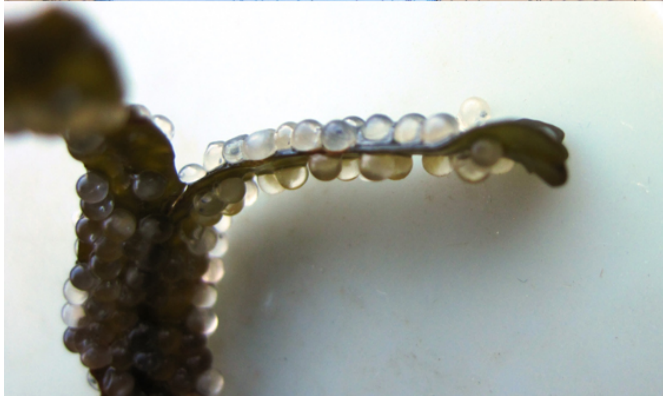


Herring survey report #1 Jan. 27,2019
Nice little spawn hit the South edge of the Squamish Terminals. By the look of the early development of the eggs I would say the event took place within the last 24 hours. (Report By, John Buchanan)

2019 Herring Spawn survey images: **March 9, 2019**



Herring Survey Report #2 - March 9, 2019
Spawn found just South of Woodfibre, very light at first and progressively increasing until Foulger Creek where Spawning was heavy.
Report by :- John Buchanan

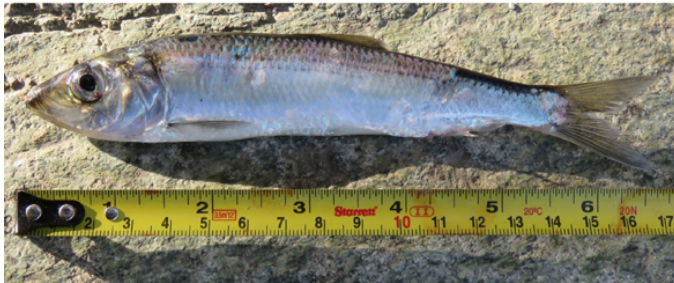


2019 Herring Spawn survey images: **March 13, 2019**



Herring report #3 - March 13,2019 - Nexen Beach
Matt Van Oostdam, (show in above photo) teacher with the Squamish First Nations approached me about his plan to hang Hemlock Boughs in the water. Didn't think he had a hope and a few days later , a very excited Matt phoned me up with the amazing news !

A dead Herring found on shoreline.



Herring Spawn on Hemlock boughs below. Report By: John Buchanan

2019 Herring Spawn survey images: **April 7, 2019**

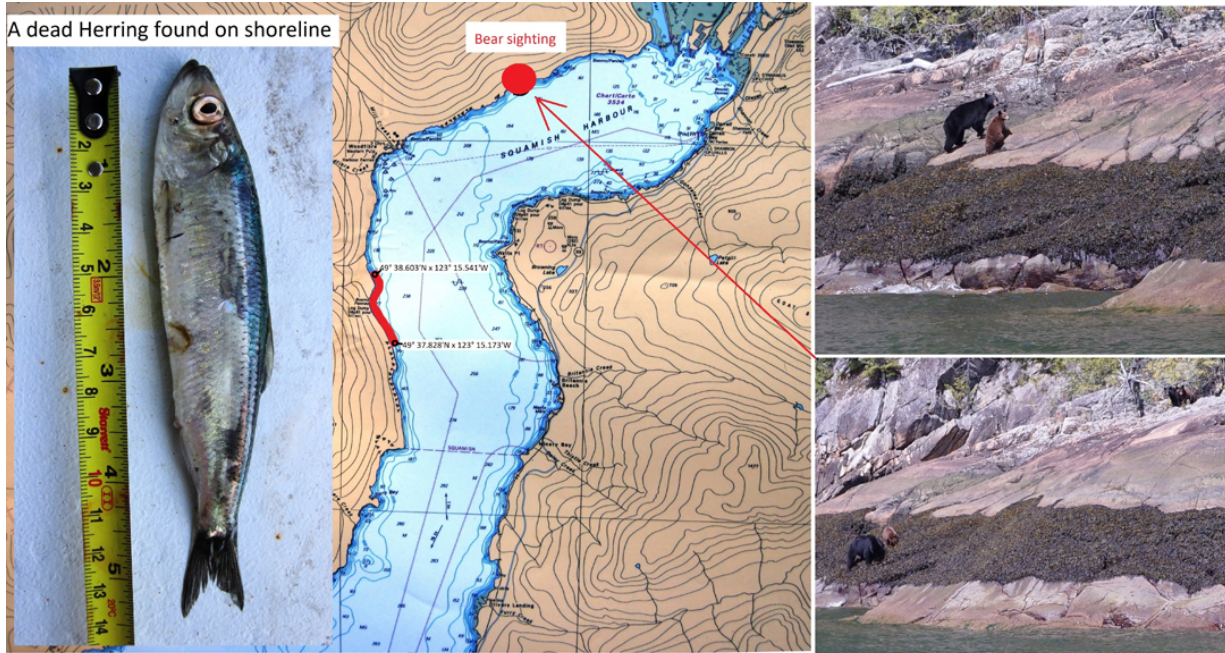


Herring report #4 - Woodfibre
April 4, 2019
South half of the bay at Woodfibre had a nice showing. Eggs had well developed eyes. After a short gap , spawning contiued for some distance to the North. All with the same density as seen in these photos.

Report By :- John Buchanan



2019 Herring Spawn survey images: **May 5, 2019**



Herring Spawn report #5 - Foulger creek / south
May 5,2019

Lots of Sealions seen on this trip. 3 packs totalling 36 altogether. Two packs directly in front of Foulger creek and 1 pack in front of Woodfibre. Mom and her 3 cubs seen feeding on seaweed on my way back. This "May" spawn happened within 24 hours, as the egg development shows only "the Hat on" stage of development. Dissection of dead Herring found was female , void of all but 6 eggs or so.

Report By: - John Buchanan