

CLALLAM MRC MEETING AGENDA

March 16th, 2026

5:30 p.m. – 7:00 p.m.

Hybrid Meeting



Zoom meeting link: <https://us06web.zoom.us/j/83769639254?pwd=FmcMflhkw6df902xa2tsxu6UAHGVB.1>

Meeting ID: 837 6963 9254

Passcode: 12345

For more information about the MRC, please contact Chase O'Neil at 360-417-2361.

Welcome by Chair LaTrisha Suggs / Call to Order / Roll

- Determination of quorum

Public Comment on agenda items, limited to 3 minutes per participant

Approval of Minutes

- February minutes

Presentation

- Annie Raymond – Jamestown S'Klallam Tribe Shellfish Biologist, Olympia oysters (10-12 minutes + time for questions)

New or special business

- NWSC new funding (One Time Funding/NOAA)

Announcements

- Welcome: new member Brian Hilderman, new alternate Jon Hamilton
- Northwest Straits Commission update – Alan Clark
- MRC officer elections coming in May
- Monthly meetings - discuss removing one month from the MRC schedule
- Reminder to track your hours
- SERN Meeting 3/19 - highlight Oil Spills & Oil Spill Response Planning - FYI (LaTrisha)

Committee and Project Reports

- Project leads report only if an update is needed
 - Forage fish: 10-15 minutes, Tim C
- Advisory sub-committee
- Education and outreach sub-committee

Discussion of next meeting date and agenda

- Next regular meeting Monday, Apr 20
 - Presentation: Julia Parrish, Coastal Observation and Seabird Survey Team (COASST)
- Call for new agenda items

2026 Meetings

January 26 (4th Mon)

April 20

July 20

October 19

February 23 (4th Mon)

May 18

August 17

November 16

March 16

June 15

September 21

December 21

Good of the Order

Public Comment *limited to 3 minutes per participant*

Adjourn

Clallam County DCD is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

<https://us06web.zoom.us/j/83769639254?pwd=FmcMflhkw6df902xa2tsxu6UAHGVB.1>

Meeting ID: 837 6963 9254

Passcode: 12345

One tap mobile

+12532050468,,83769639254#,,,,*12345# US

+12532158782,,83769639254#,,,,*12345# US (Tacoma)

Dial by your location

- +1 253 215 8782 US (Tacoma)

2026 Meetings

January 26 (4th Mon)

April 20

July 20

October 19

February 23 (4th Mon)

May 18

August 17

November 16

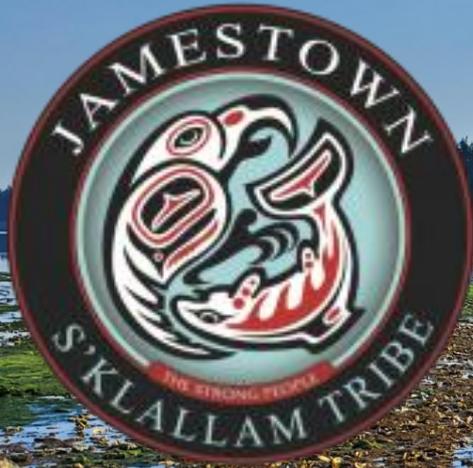
March 16

June 15

September 21

December 21

RESTORATION AND CONSERVATION OF THE NATIVE OLYMPIA OYSTER IN SEQUIM BAY, WASHINGTON



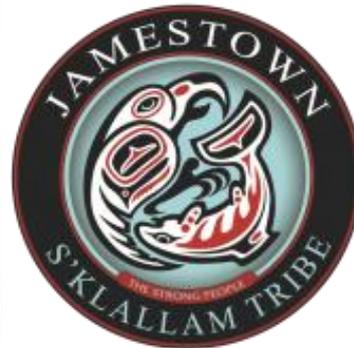
**Annie Raymond, Chris Burns, Neil Harrington,
and Elizabeth Tobin**
Jamestown S'Klallam Tribe

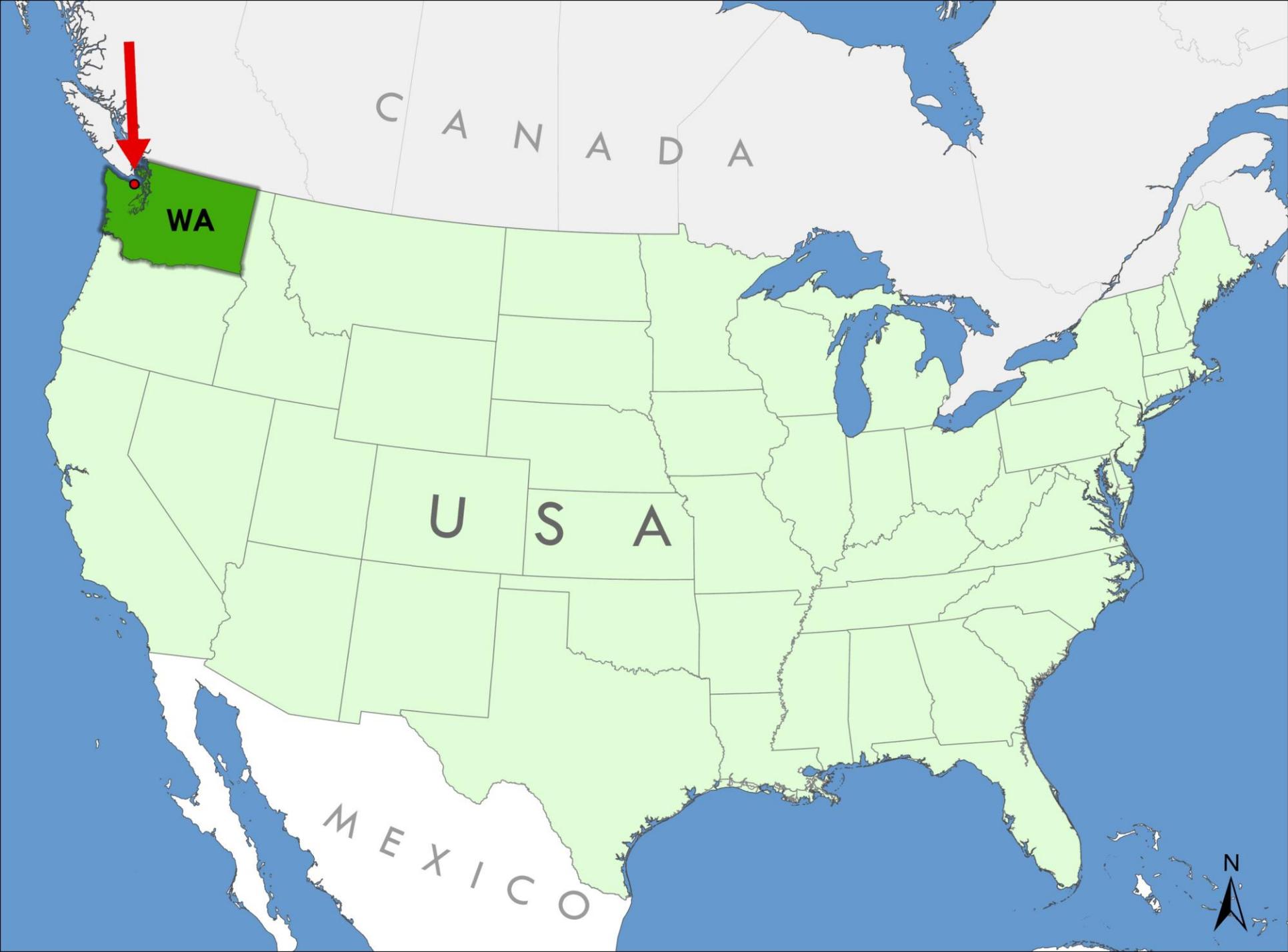
Rebecca Mahan
Clallam County Marine Resources Committee

Teamwork makes the dream work!



GOAL: Have a 1.5 acre self sustaining population





C A N A D A

WA

U S A

M E X I C O







Strait of Juan de Fuca

Sequim Bay

Olympic Mountains

Pacific Ocean



Forks

Port Angeles

Sequim

Blyn

Port Townsend

Kitsap Peninsula

Bremerton

Hood Canal

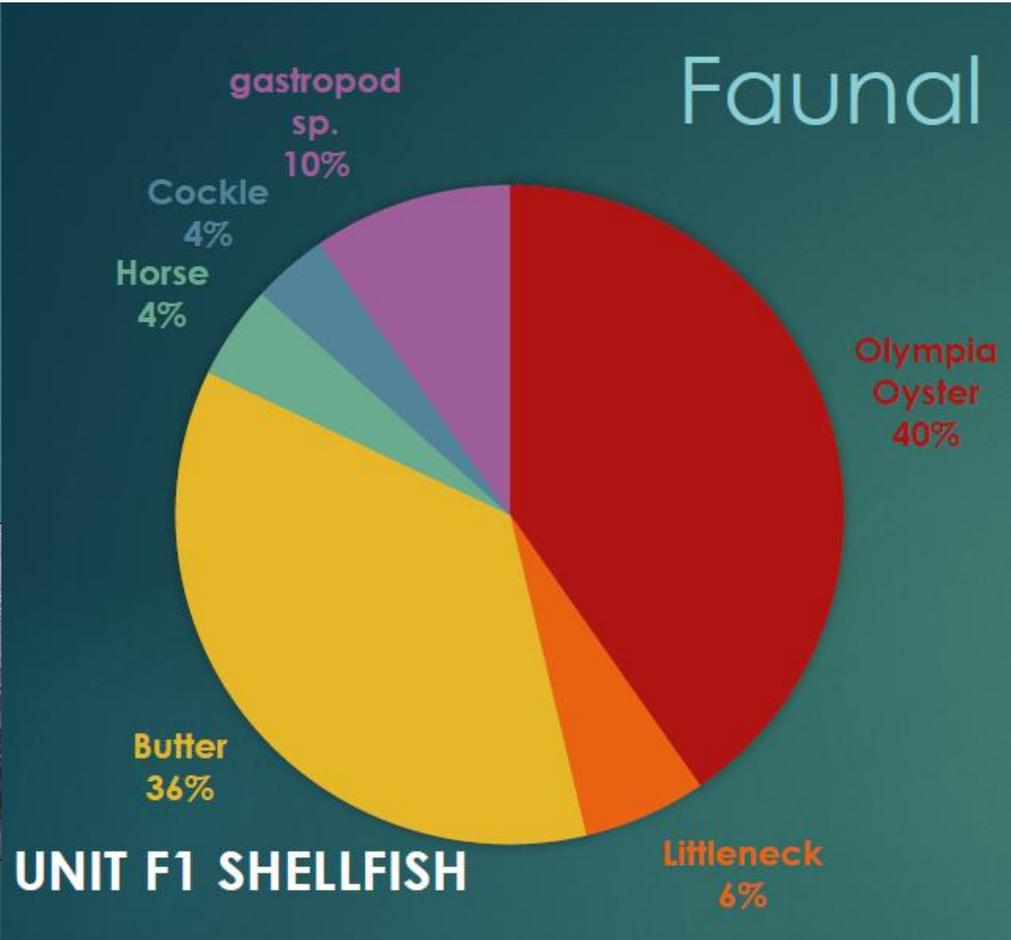
Why Olympia oyster restoration?



Above: Unit F1 Cook Pit Features, 10 cmbs



Unit F1 Side Wall Profile



Recent archeological data shows Olympia Oyster shell to be dated back to at least 1100 years ago.

Restoration approach



1994



2013

2013

Restoration activities and goals have evolved....

- Use conservation aquaculture to help bolster a population in Sequim Bay.
 - brood stock from remanent population
- Use blank pacific oyster shell to increase settling substrate.
- Monitor and evaluate restoration efforts.
- Long term goal: Provide subsistence harvest opportunity to Jamestown Tribal Citizens .



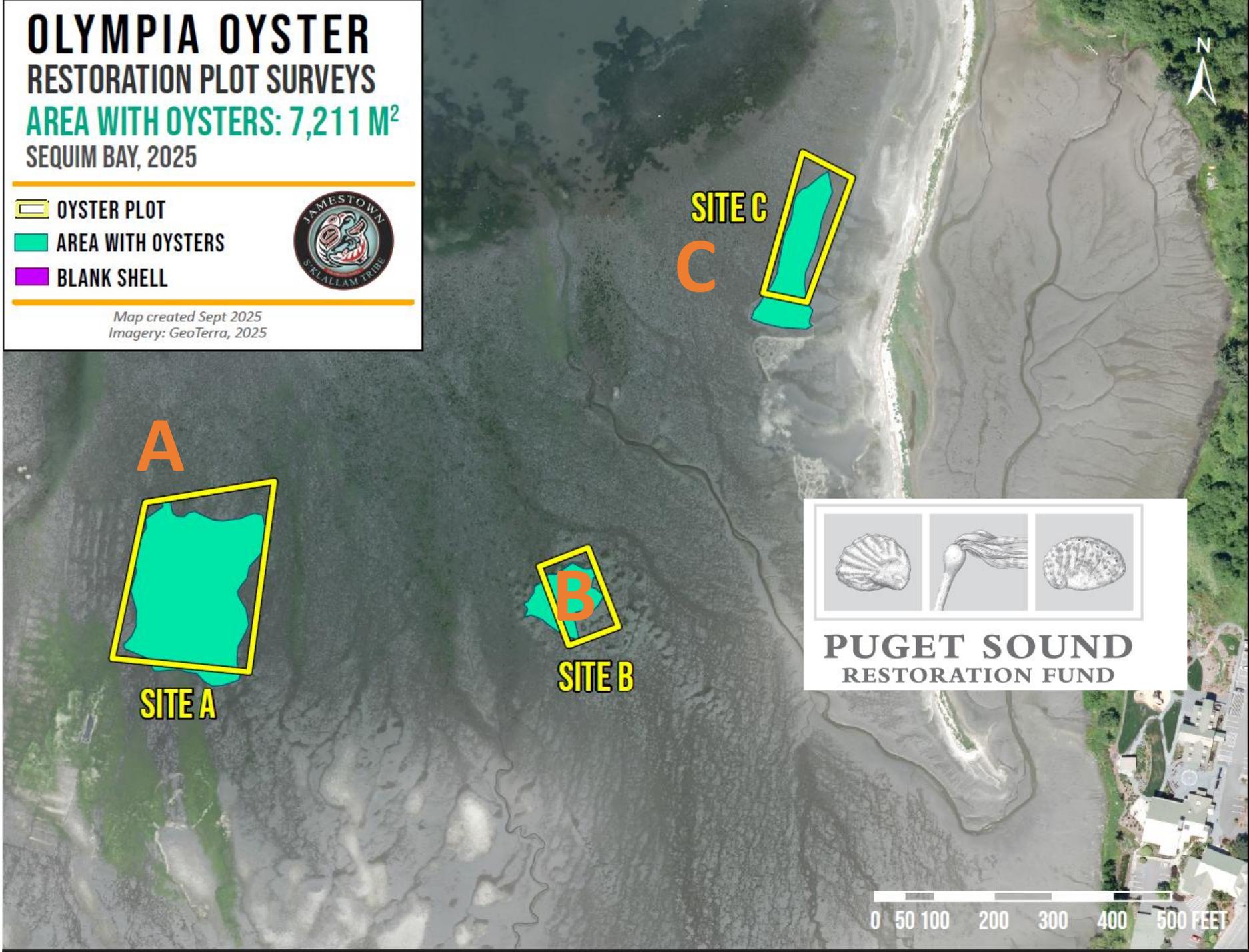
OLYMPIA OYSTER RESTORATION PLOT SURVEYS

AREA WITH OYSTERS: 7,211 M²
SEQUIM BAY, 2025

-  OYSTER PLOT
-  AREA WITH OYSTERS
-  BLANK SHELL



Map created Sept 2025
Imagery: GeoTerra, 2025



PUGET SOUND RESTORATION FUND

0 50 100 200 300 400 500 FEET

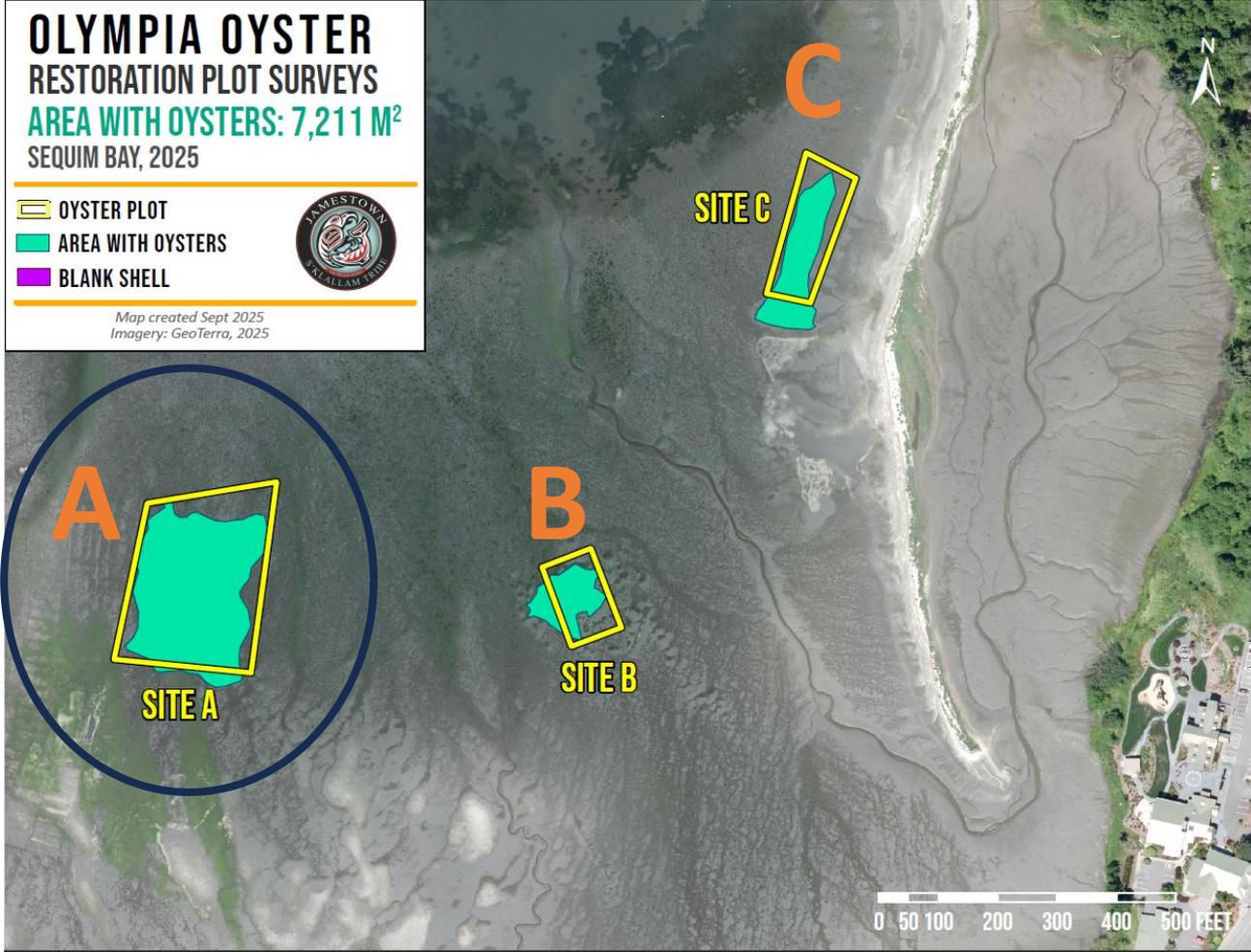
OLYMPIA OYSTER RESTORATION PLOT SURVEYS

AREA WITH OYSTERS: 7,211 M²
SEQUIM BAY, 2025

- OYSTER PLOT
- AREA WITH OYSTERS
- BLANK SHELL



Map created Sept 2025
Imagery: GeoTerra, 2025



Site A

2012-80 brood stock were collected and 6,200 offspring out planted as singles in growout bags

2013-200 bags of seeded cultch (~500,000 seed) was out planted

2014- 100 bags of seeded cultch (~250,000 seed) were out planted

2015- 100 bags of blank shell spread.

2019- 100 bags of blank shell spread.

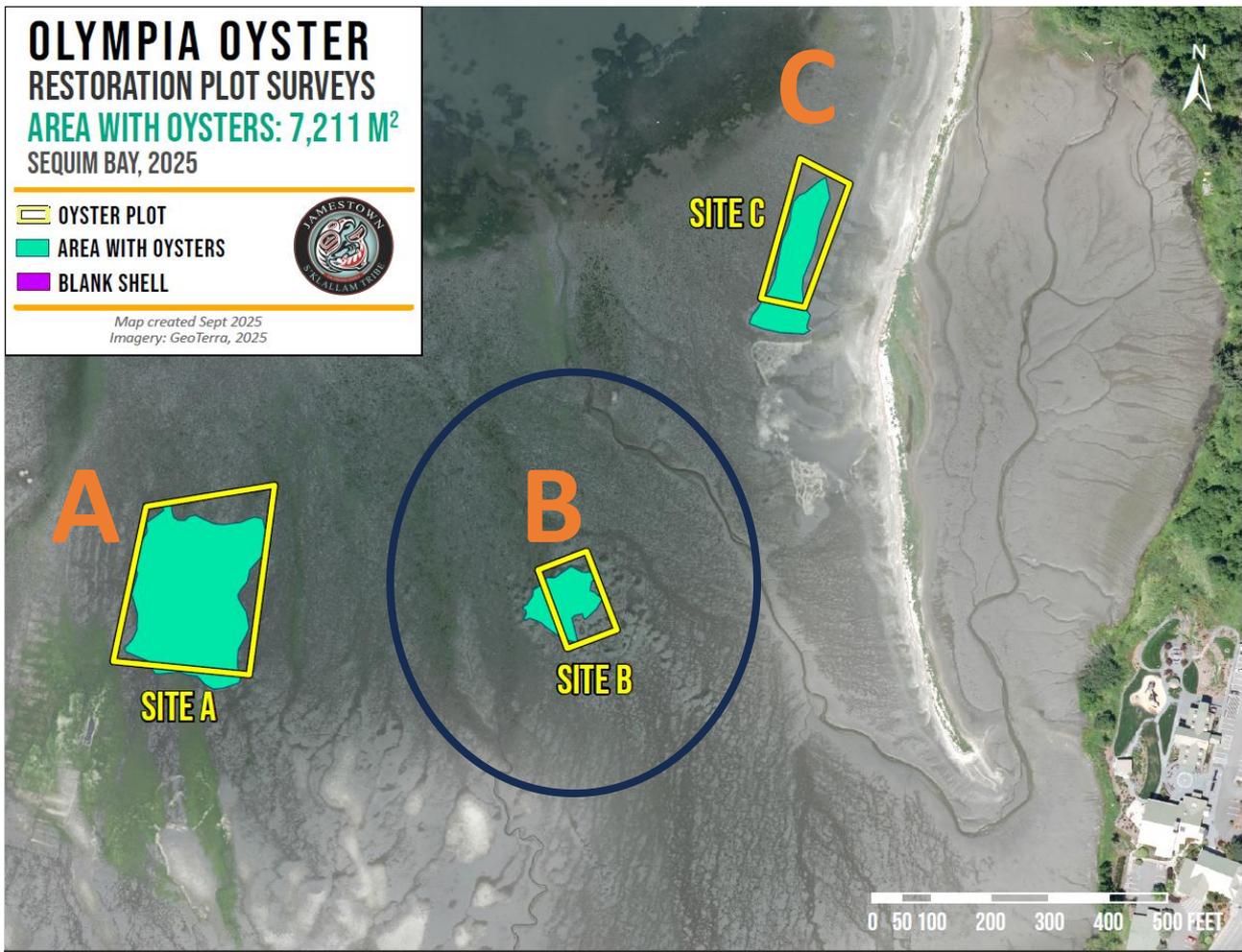
OLYMPIA OYSTER RESTORATION PLOT SURVEYS

AREA WITH OYSTERS: 7,211 M²
SEQUIM BAY, 2025

- OYSTER PLOT
- AREA WITH OYSTERS
- BLANK SHELL



Map created Sept 2025
Imagery: GeoTerra, 2025



Site B

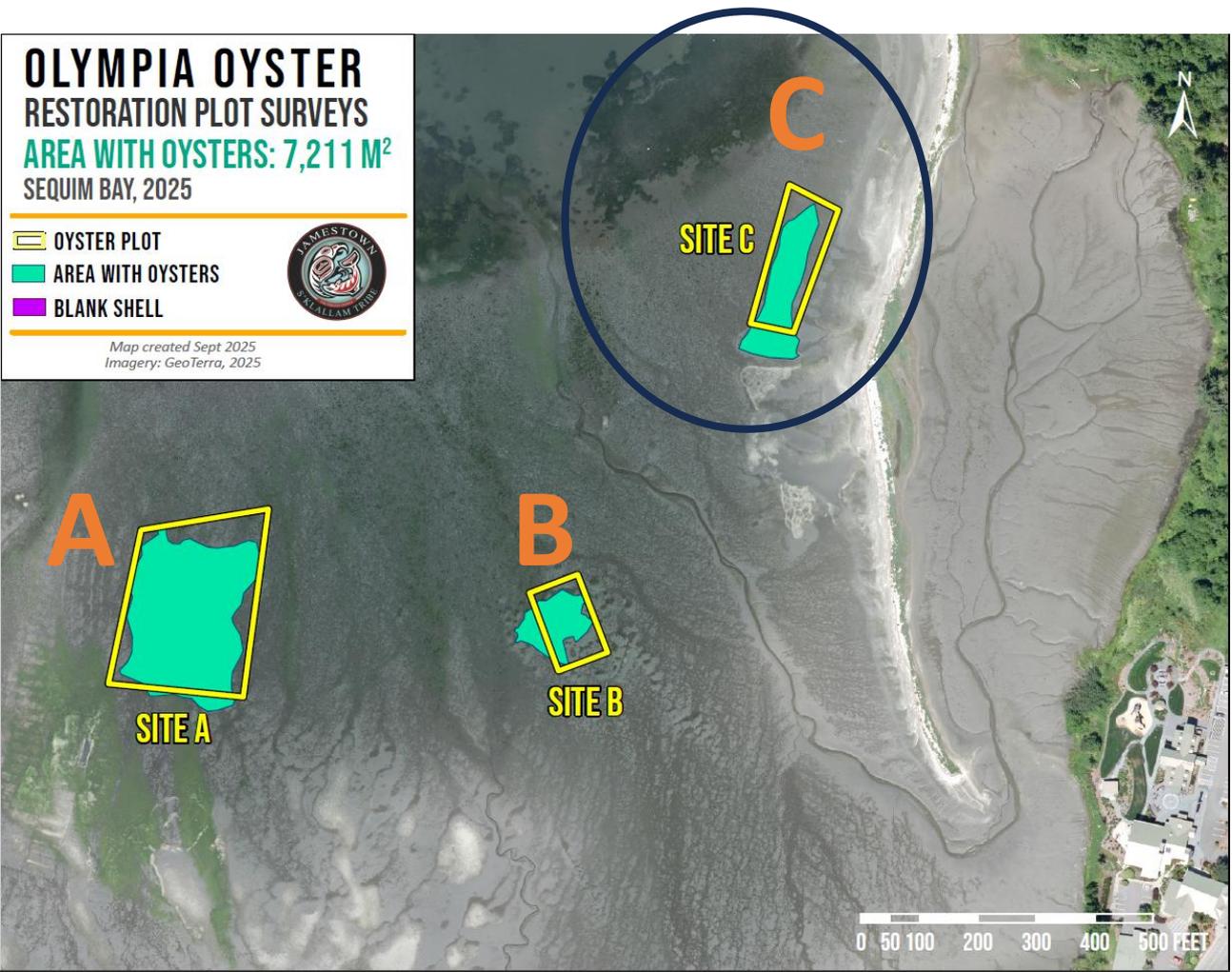
2018- Site was established- 250,000 oysters (seeded cultch)

OLYMPIA OYSTER RESTORATION PLOT SURVEYS
AREA WITH OYSTERS: 7,211 M²
SEQUIM BAY, 2025

 OYSTER PLOT
 AREA WITH OYSTERS
 BLANK SHELL

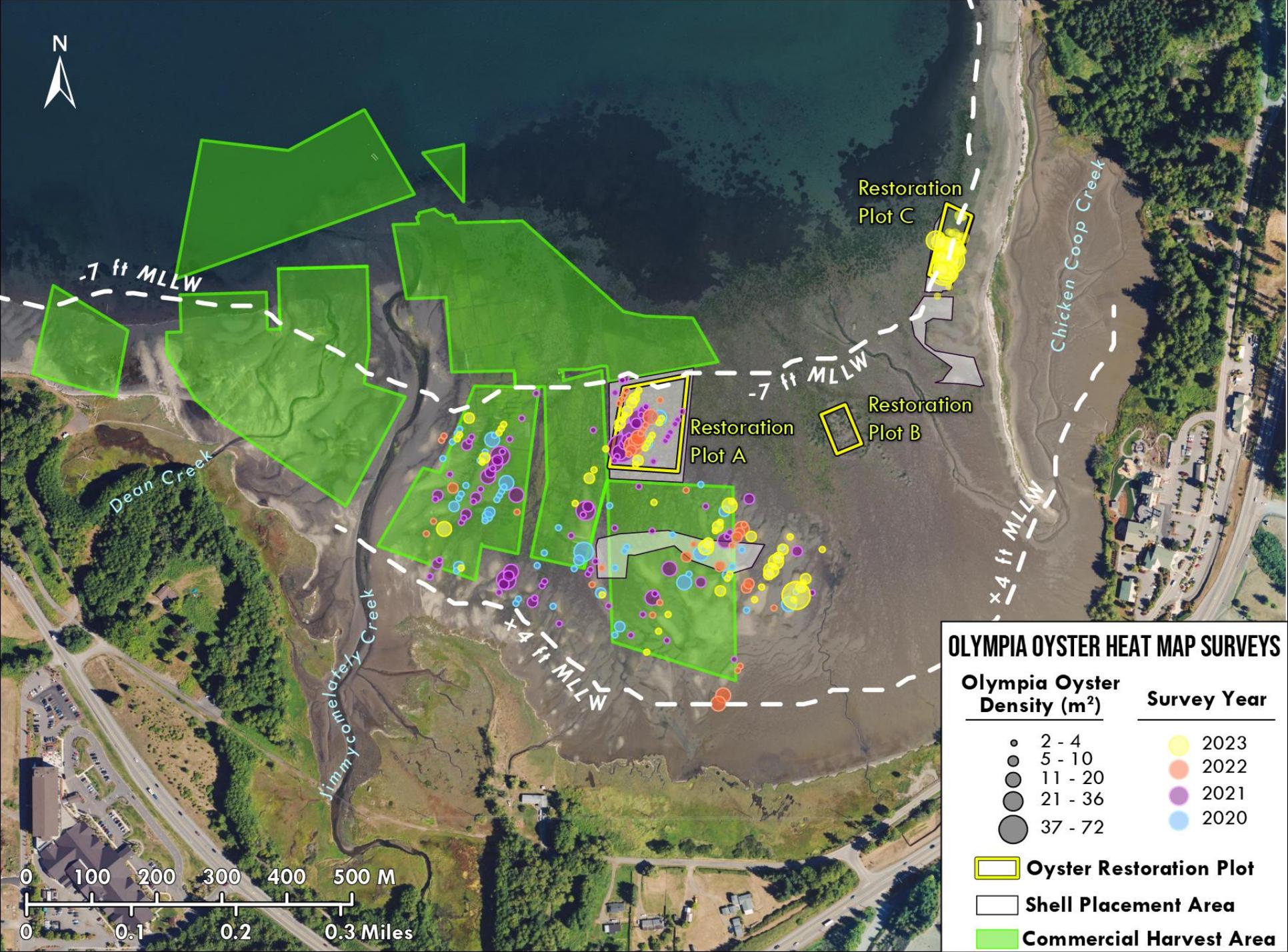


*Map created Sept 2025
Imagery: GeoTerra, 2025*



Site C

2019- Site was established - 32 cubic yards (800 bags) of blank shell and 200 bags of seeded cultch spread.



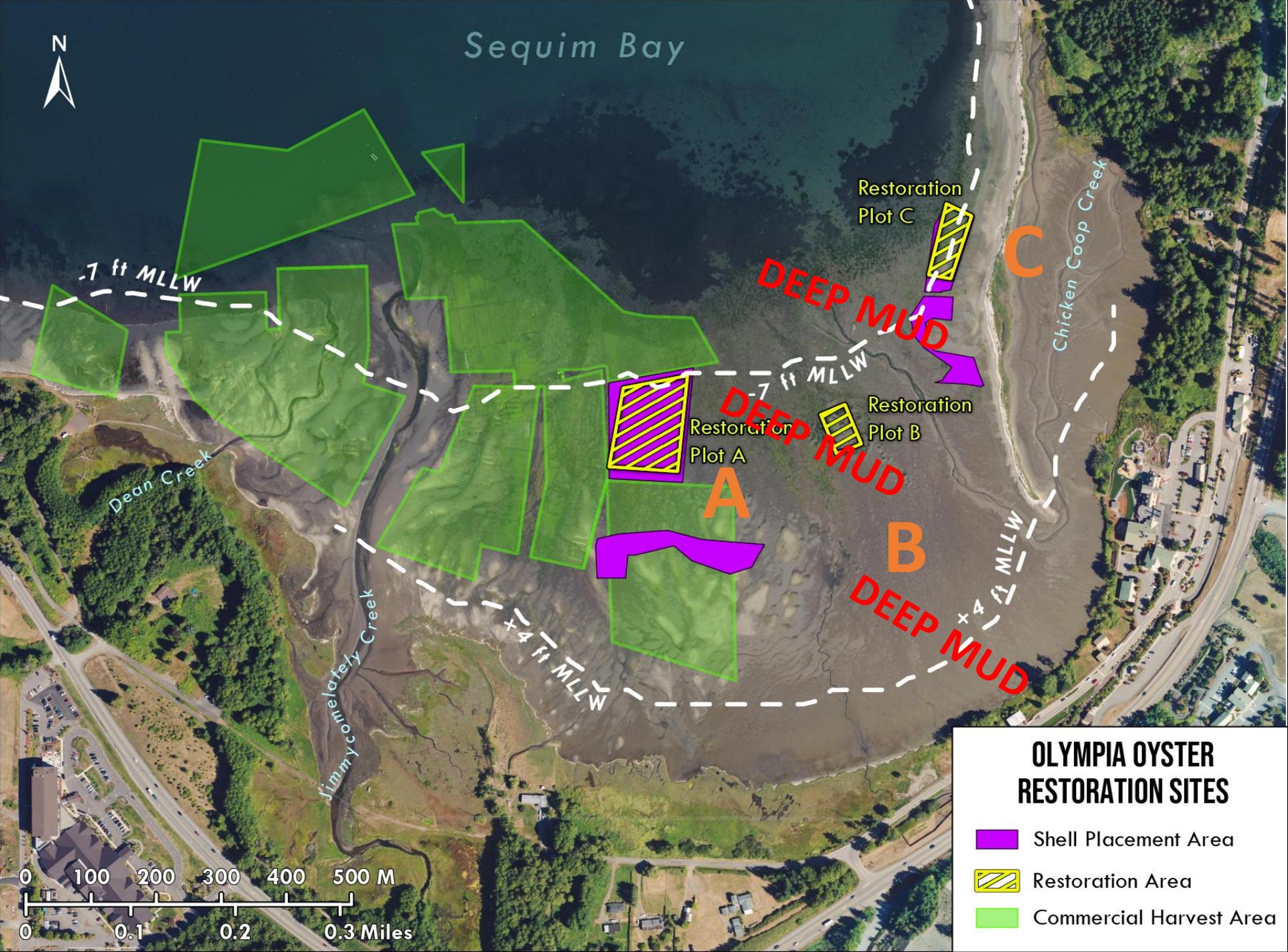
OLYMPIA OYSTER HEAT MAP SURVEYS

Olympia Oyster Density (m ²)	Survey Year
● 2 - 4	● 2023
● 5 - 10	● 2022
● 11 - 20	● 2021
● 21 - 36	● 2020
● 37 - 72	

-  Oyster Restoration Plot
-  Shell Placement Area
-  Commercial Harvest Area



Sequim Bay



-7 ft MLLW

DEEP MUD

DEEP MUD

DEEP MUD

Dean Creek

Jimmycomely Creek

Chicken Coop Creek

Restoration Plot A

Restoration Plot B

Restoration Plot C

A

B

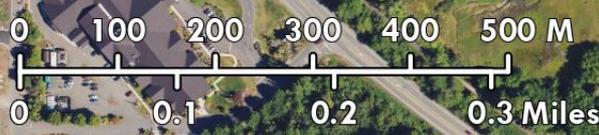
C

+4 ft MLLW

+4 ft MLLW

OLYMPIA OYSTER RESTORATION SITES

-  Shell Placement Area
-  Restoration Area
-  Commercial Harvest Area





OLYMPIA OYSTER RESTORATION: BLYN TIDELANDS

- Blank Pacific Oyster Shell
- Seeded Culch and Singles
- Broodstock Return Area
- Oyster Restoration Plot

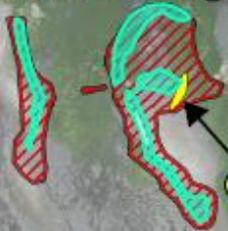
62 bags of seeded culch and 15,000 singles (109 bags total on Blyn tidelands)



30 bags of seeded culch and 7,000 singles (25% of all total singles)



28 bags of seeded culch and 7,500 singles

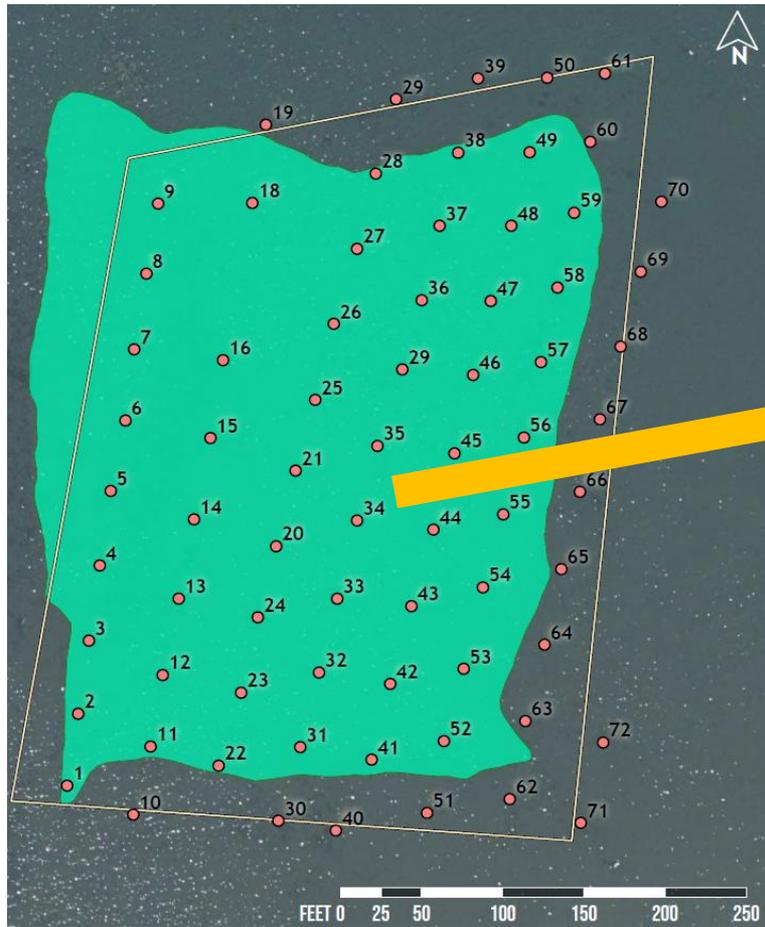


Broodstock for 2024 and 2025 Olympia Oyster seeding projects were returned to this location



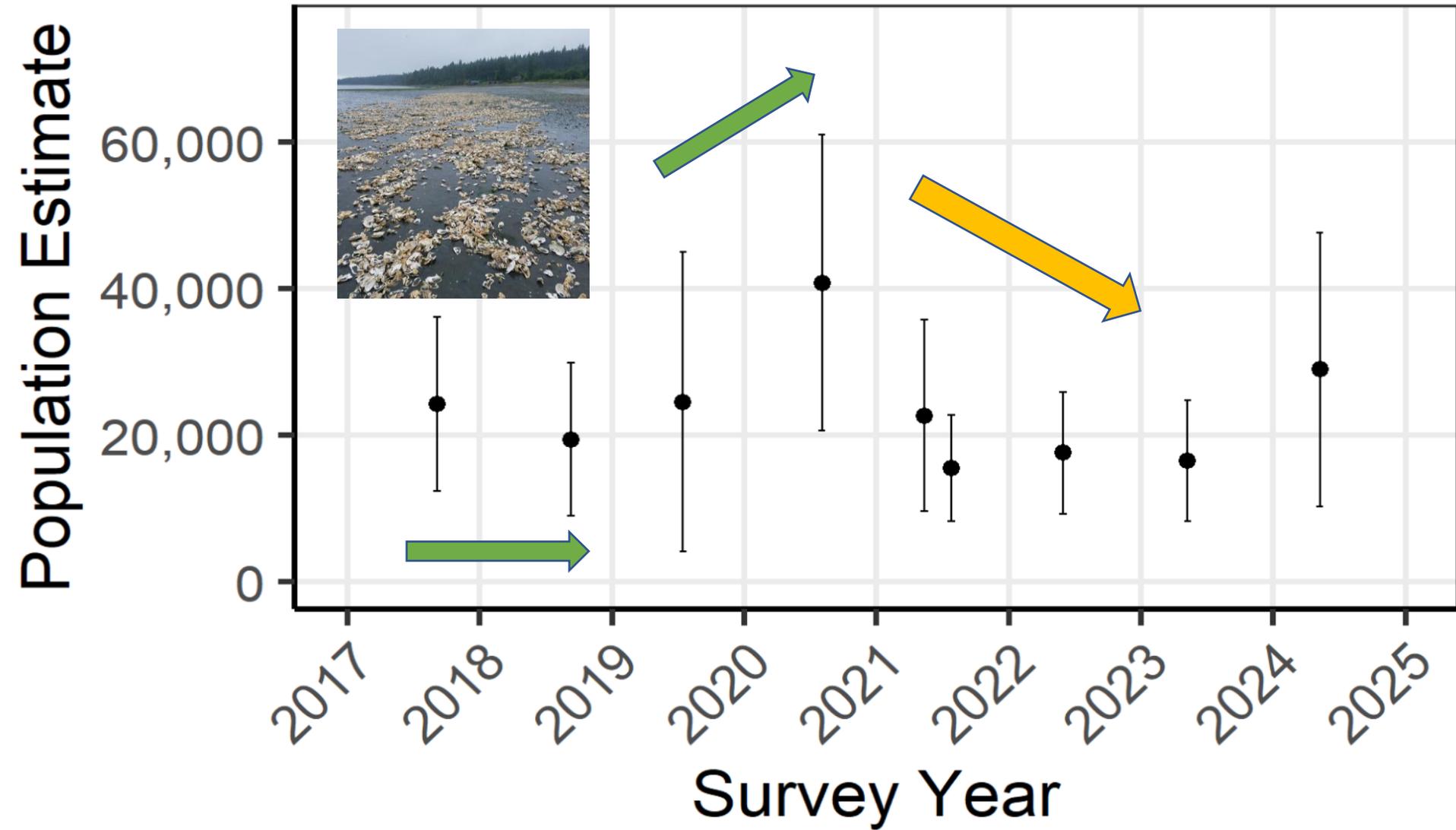
0 250 500 1,000 Feet

Methods for monitoring

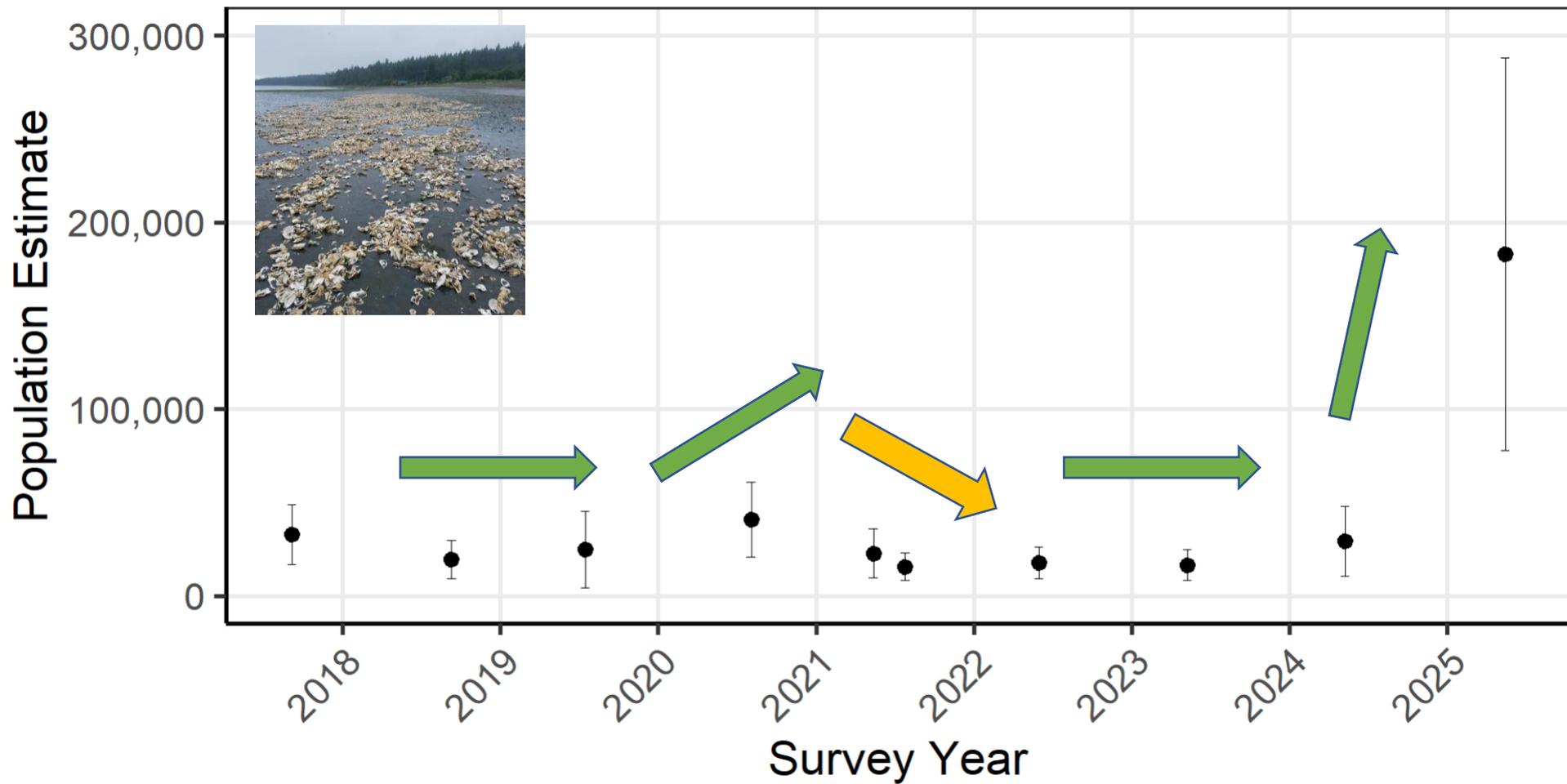


**Calculate
population
estimate**

Site A- How has the population estimate changed through time?



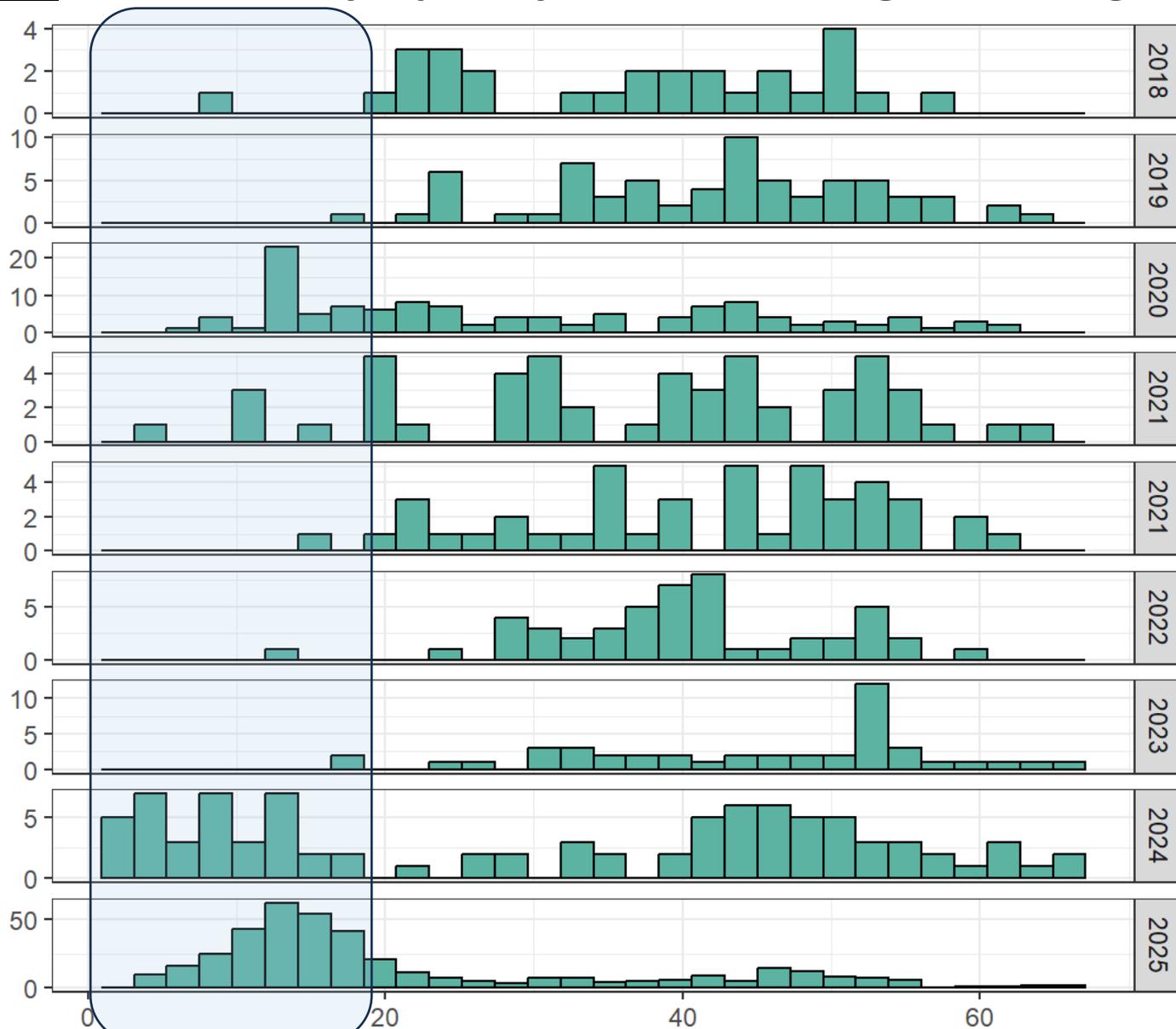
Site A- How has the population estimate changed through time?



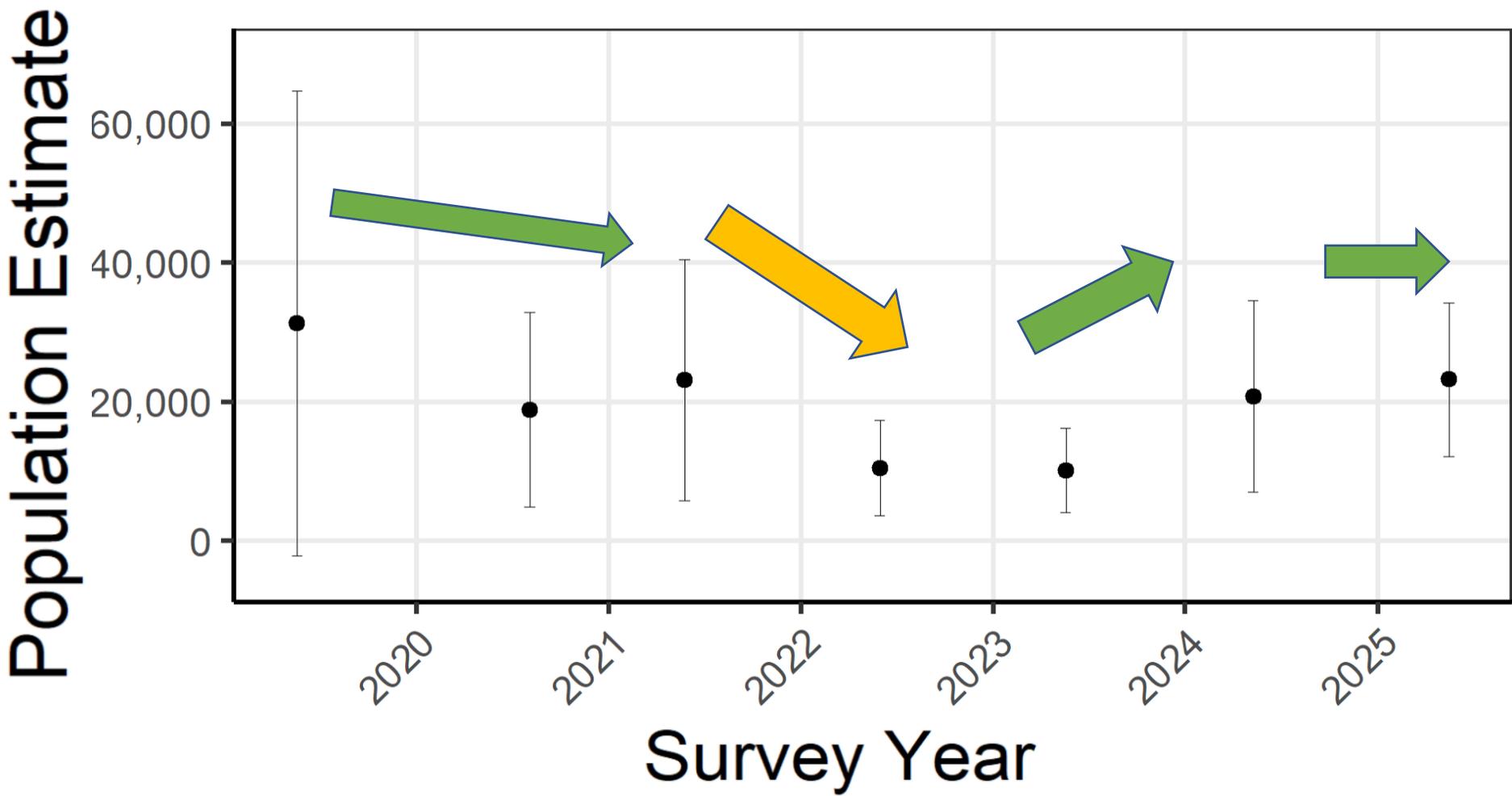
Site A- How has Olympia oyster size changed through time?

Olympia Oyster

Count



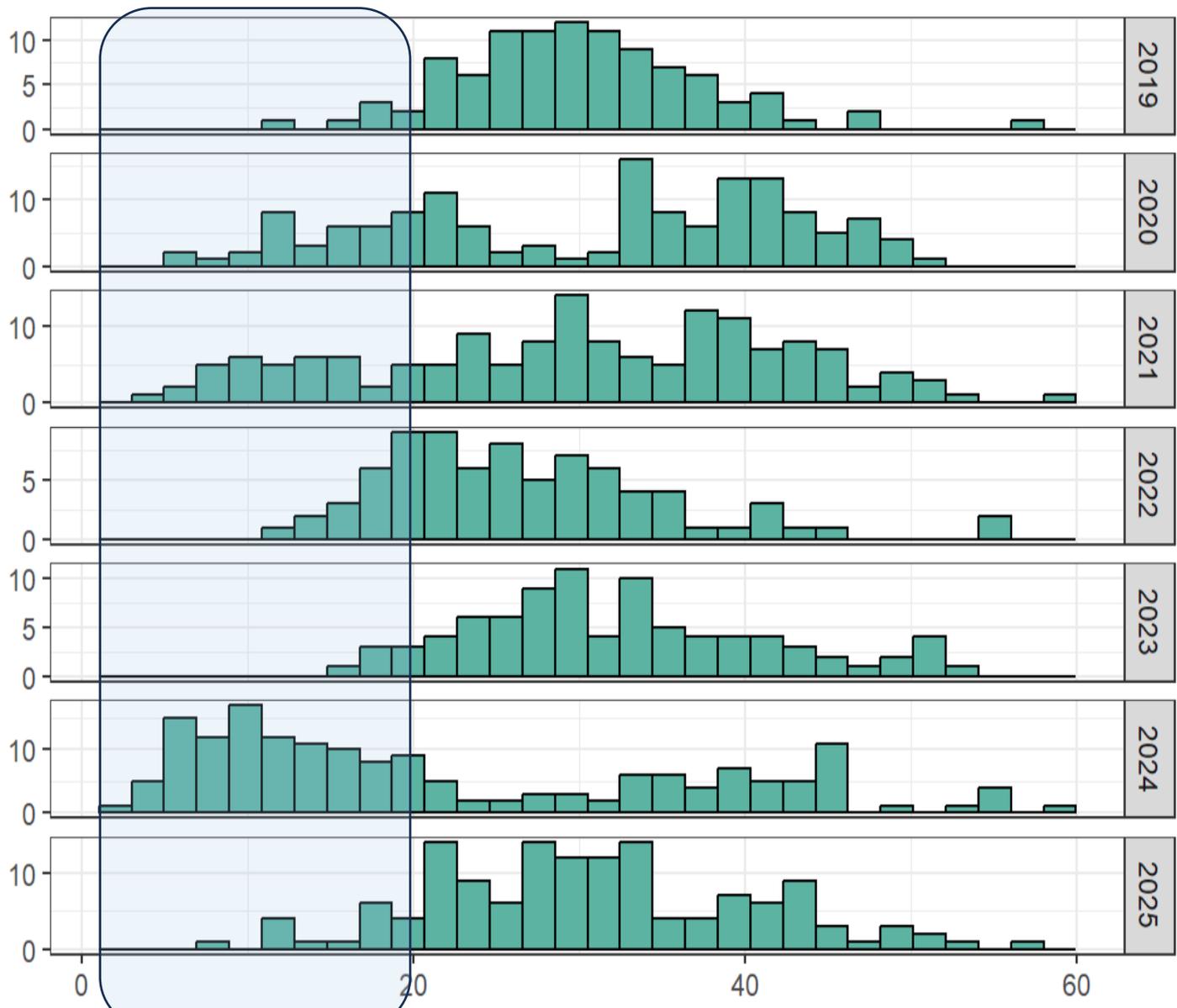
Site B- How has the population estimate changed through time?



Site B- How has Olympia oyster size changed through time?

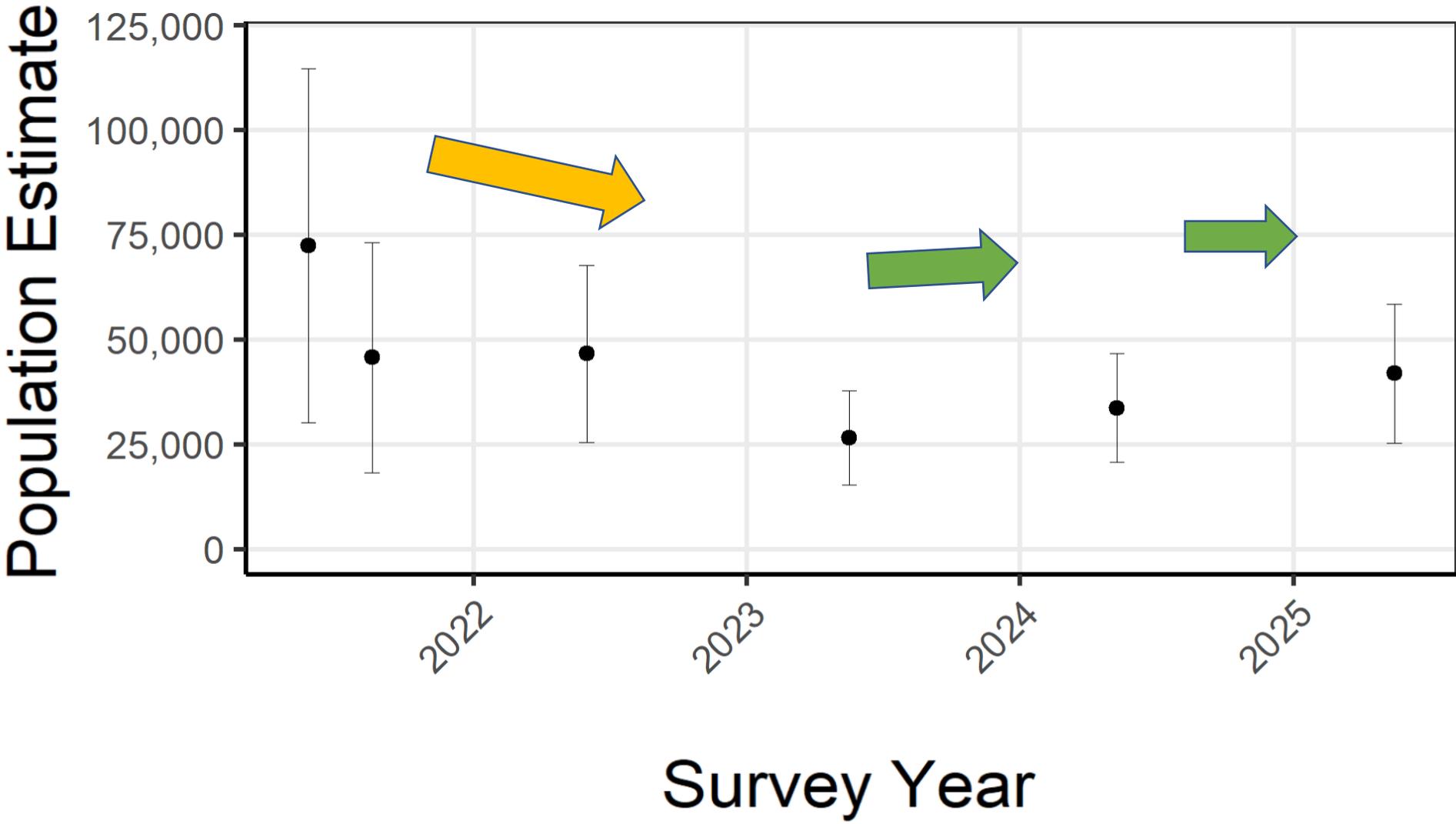
Olympia
Oyster
Count

Survey
Year



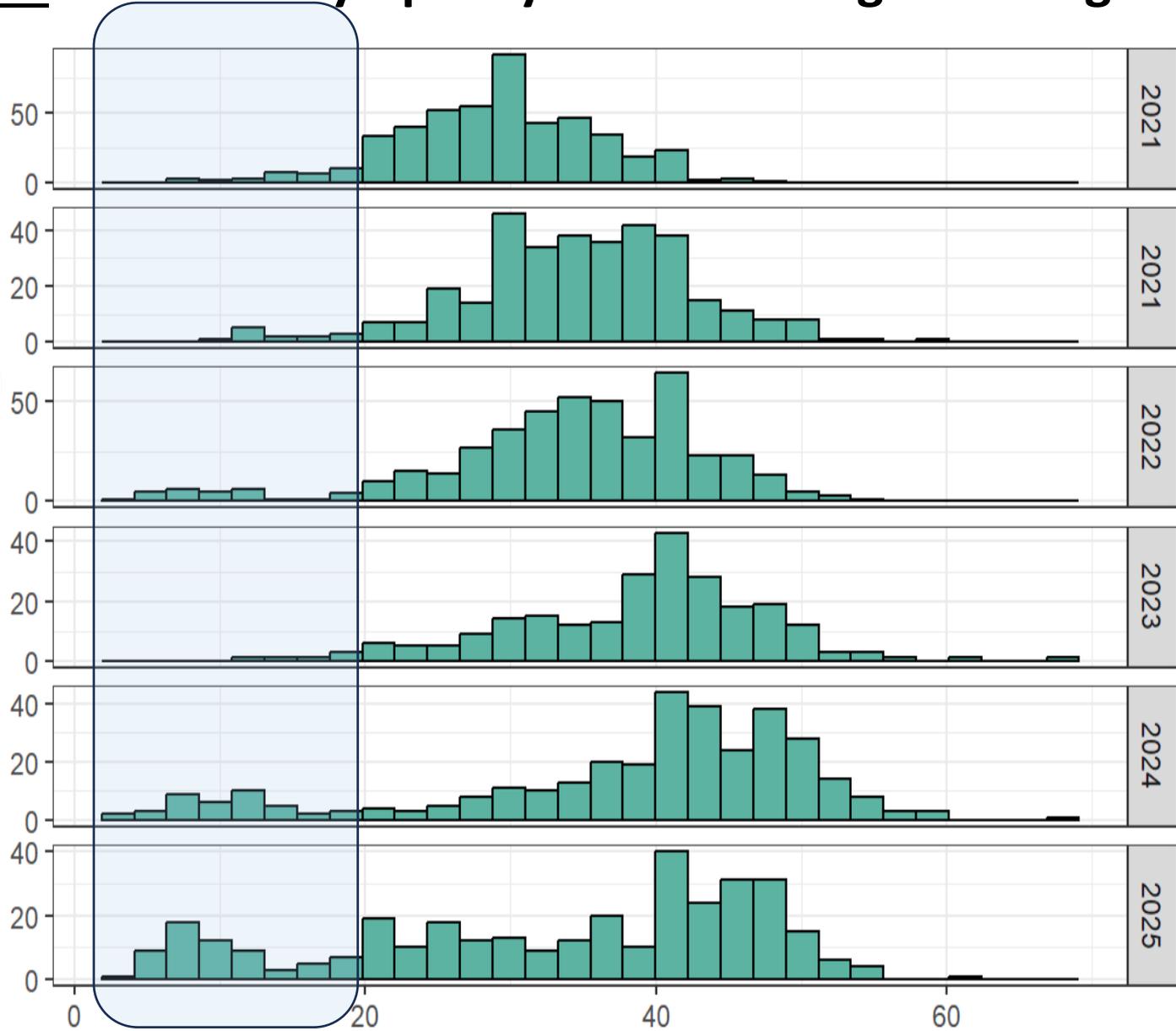
Olympia Oyster Size (mm)

Site C- How has the population estimate changed through time?



Site C- How has Olympia oyster size changed through time?

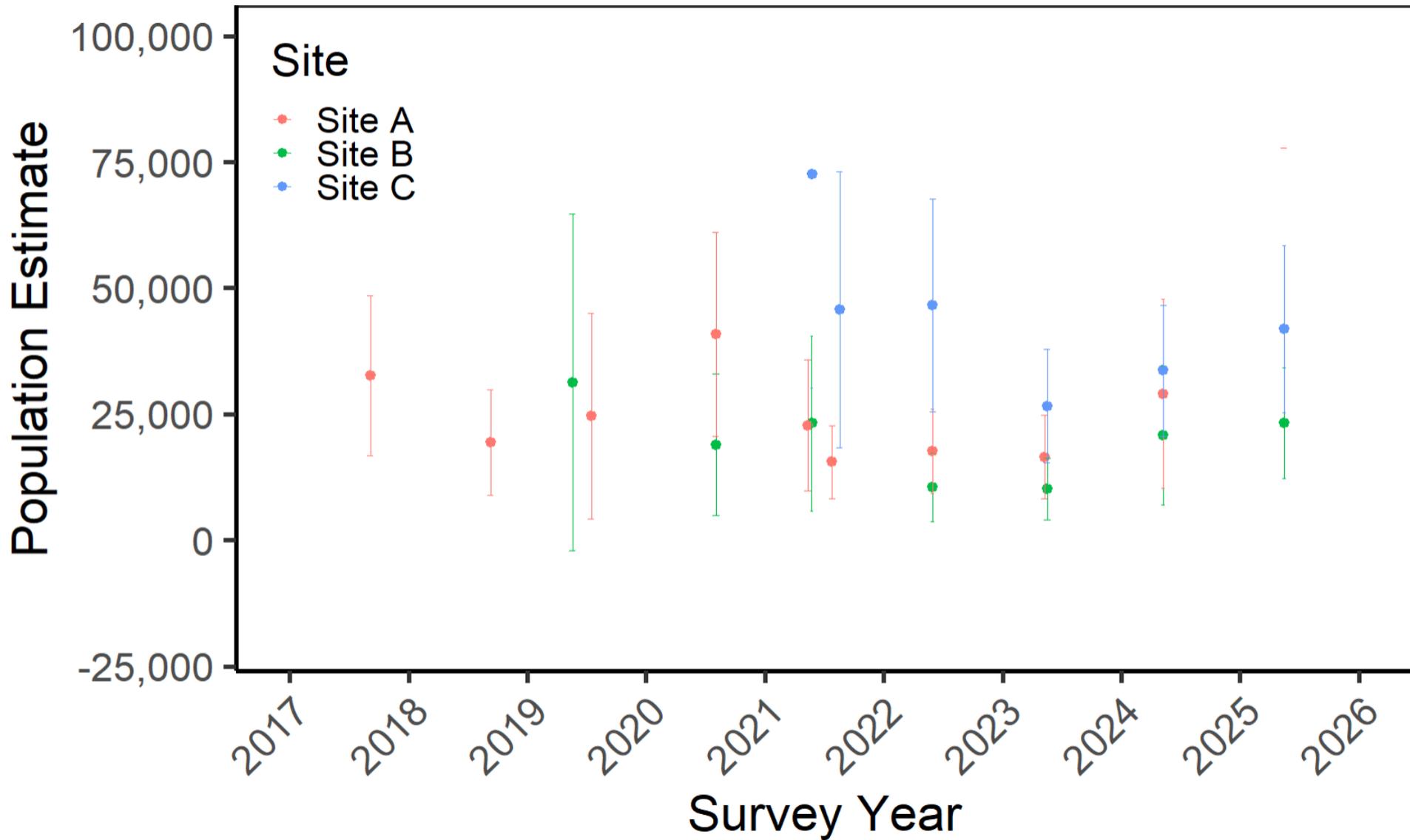
Olympia
Oyster
Count



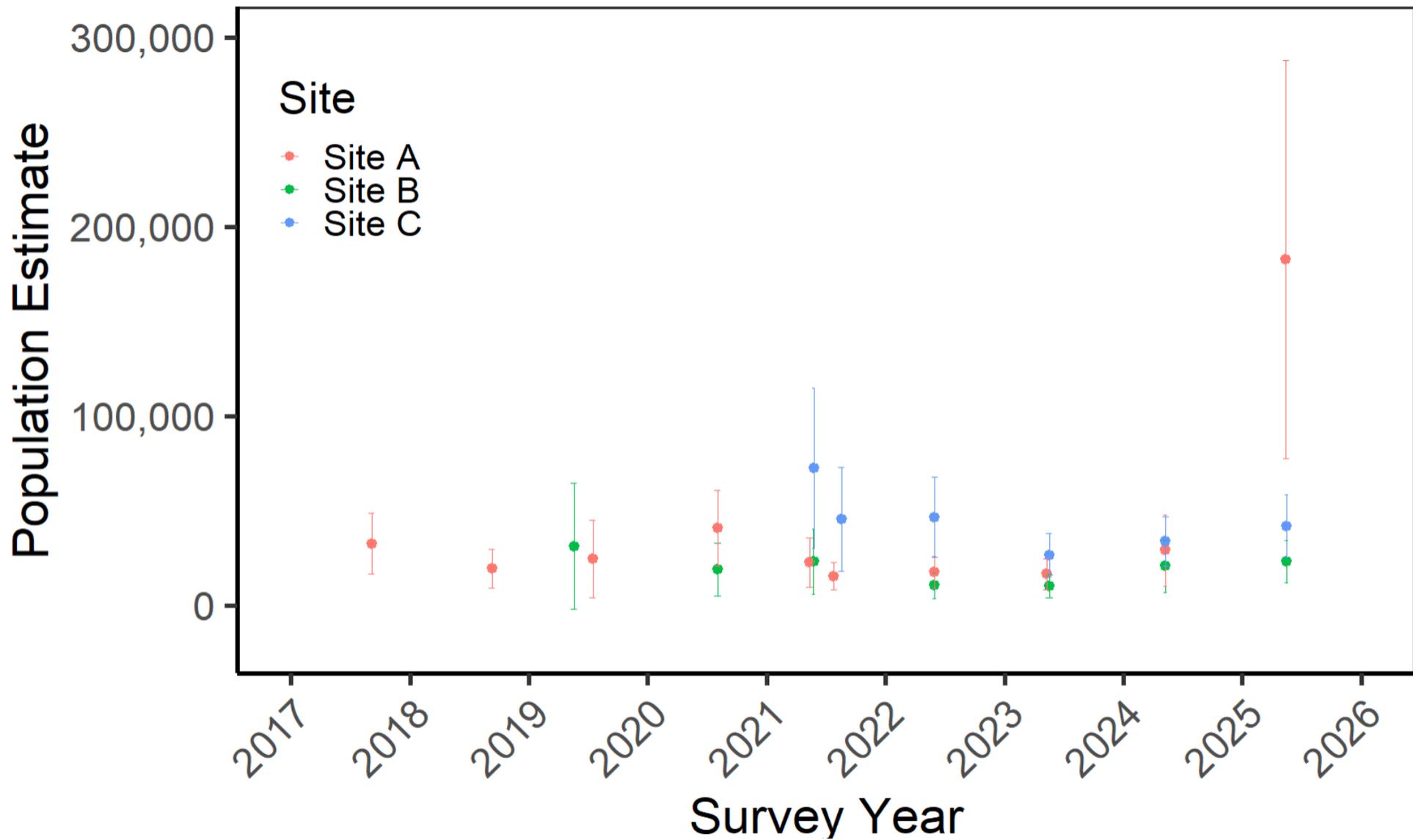
Survey
Year

Olympia Oyster Size (mm)

ALL SITES: How has the population estimate changed through time?



ALL SITES: How has the population estimate changed through time?



Recruitment ? (Y/N)

Restoration site ID

Survey Year

	A	B	C
2021	Y	Y	Y
2022	N	N	Y
2023	N	N	N
2024	Y	Y	Y
2025	Y/*	Y	Y



Result: Recruitment varies by site and year

*location & year with recent enhancement

How to continue measuring restoration success inside and outside our restoration sites?

Challenges

- Extensive area to cover outside of restoration area.
- Patchiness in oyster presence and ideal habitat across tideland.
- New shell is outside of current restoration boxes.



Questions?/ Thoughts?/ Ideas?



Annie Raymond
araymond@jamestowntribe.org
Shellfish Biologist
Jamestown S’Klallam Tribe



Sand lance



Herring



Prickle back



Surf smelt



Strait of Juan de Fuca

CANADA
UNITED STATES

Sooke

Strait of Juan de Fuca

- No Eggs
- Surf Smelt
- Sand Lance
- Pacific Herring

Port Angeles

Sequim

Forks

Jefferson

Clallam

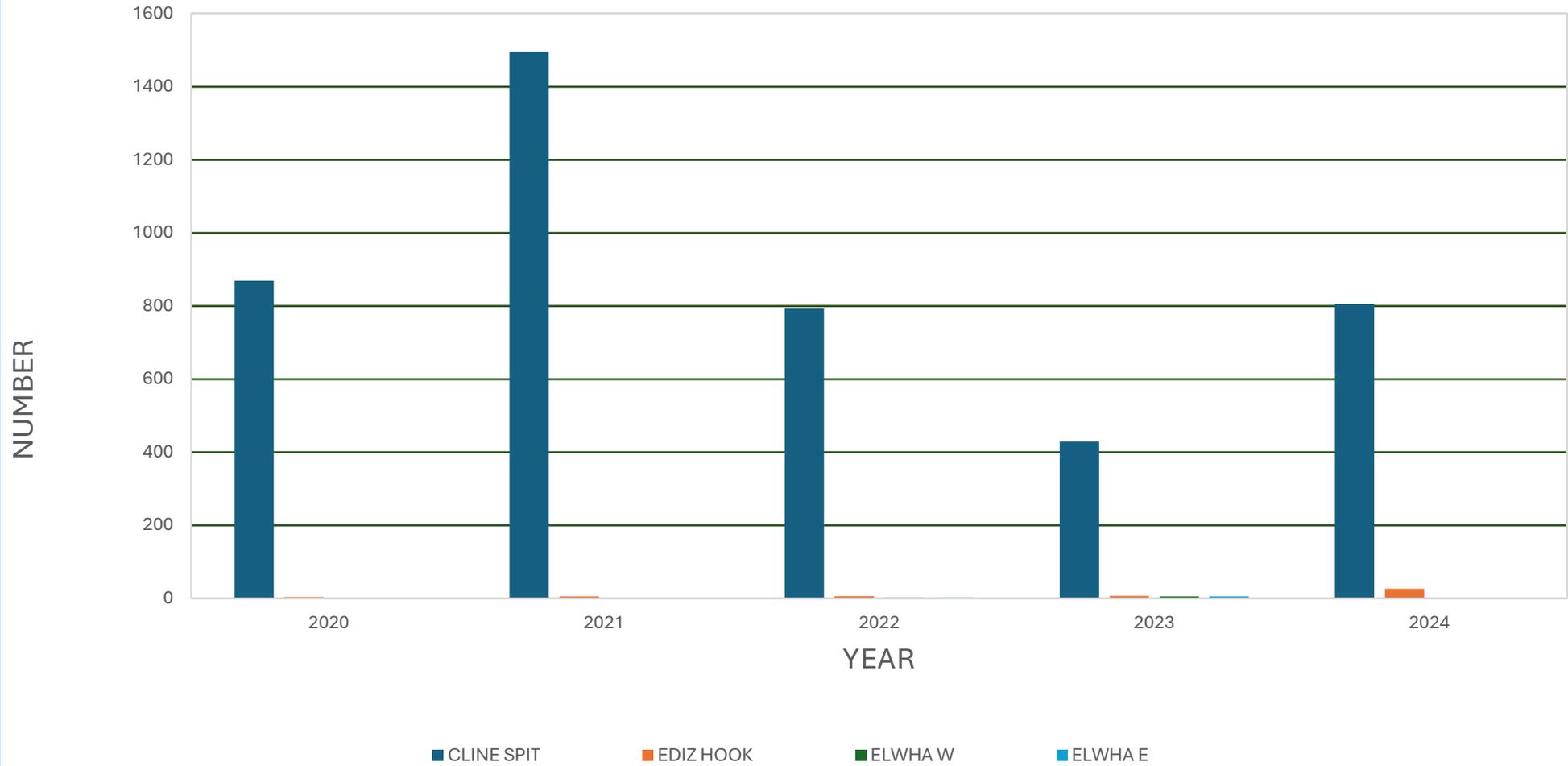
Clallam

Clallam

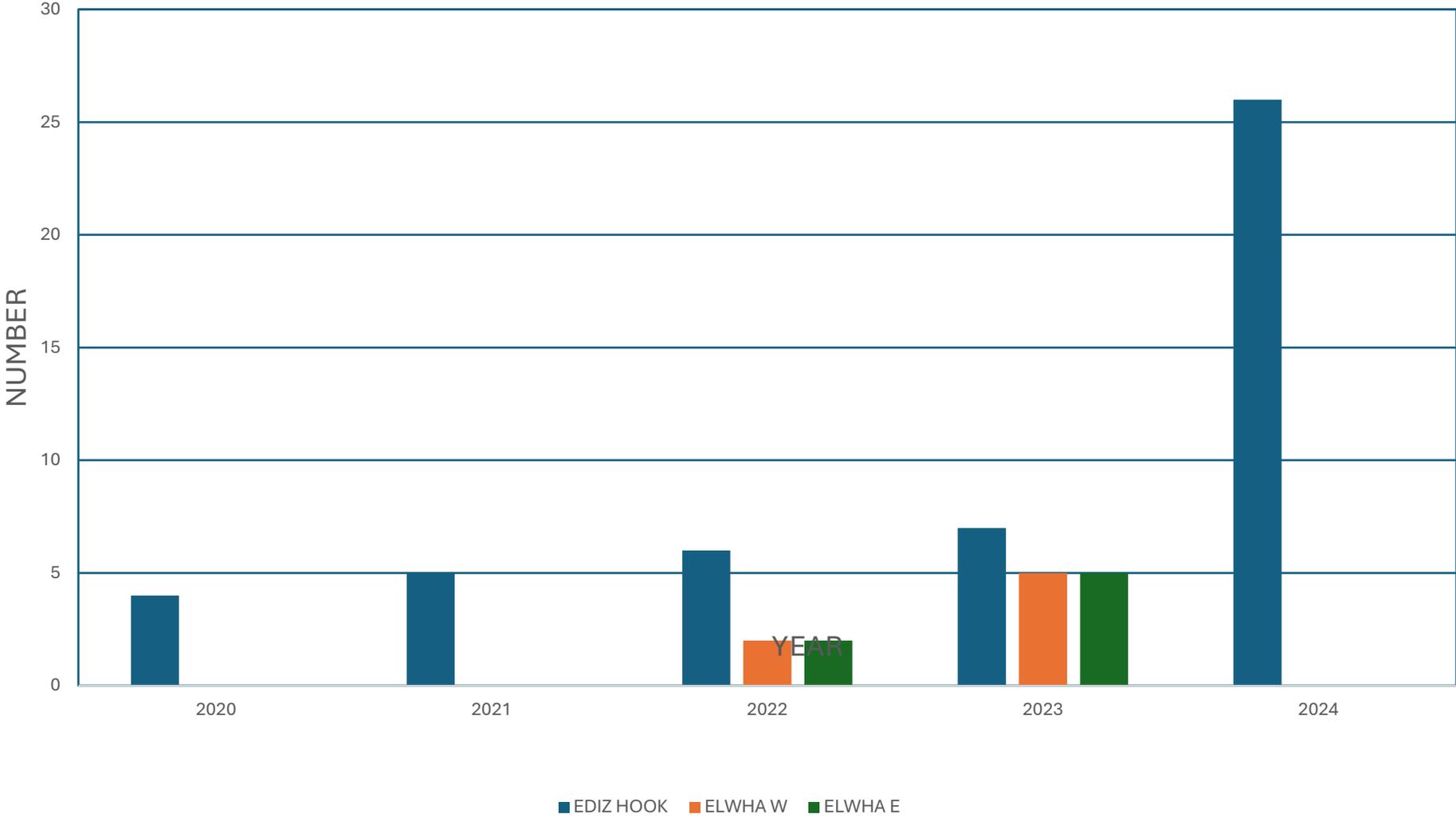
Jefferson



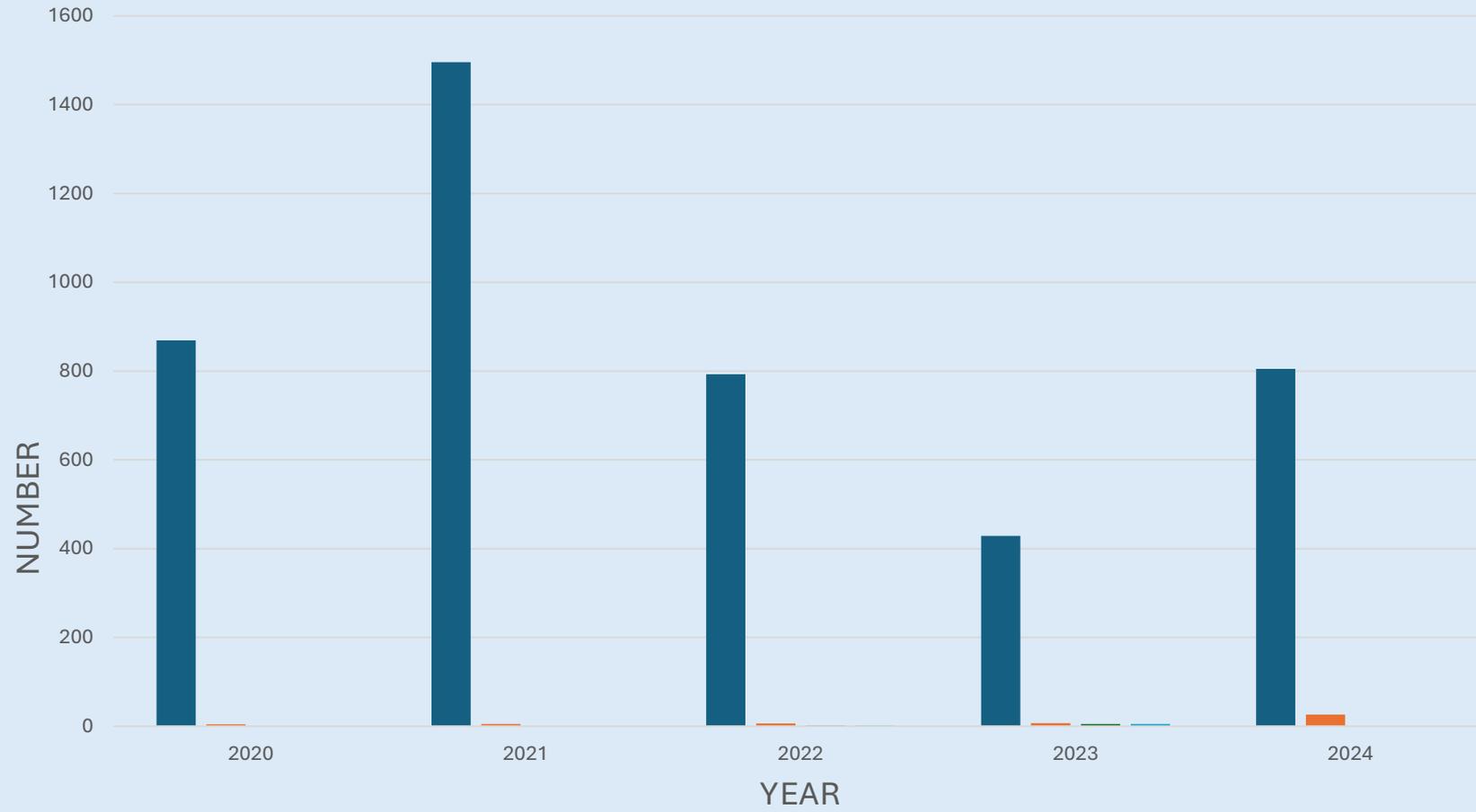
SURF SMELT



SURF SMELT



SURF SMELT



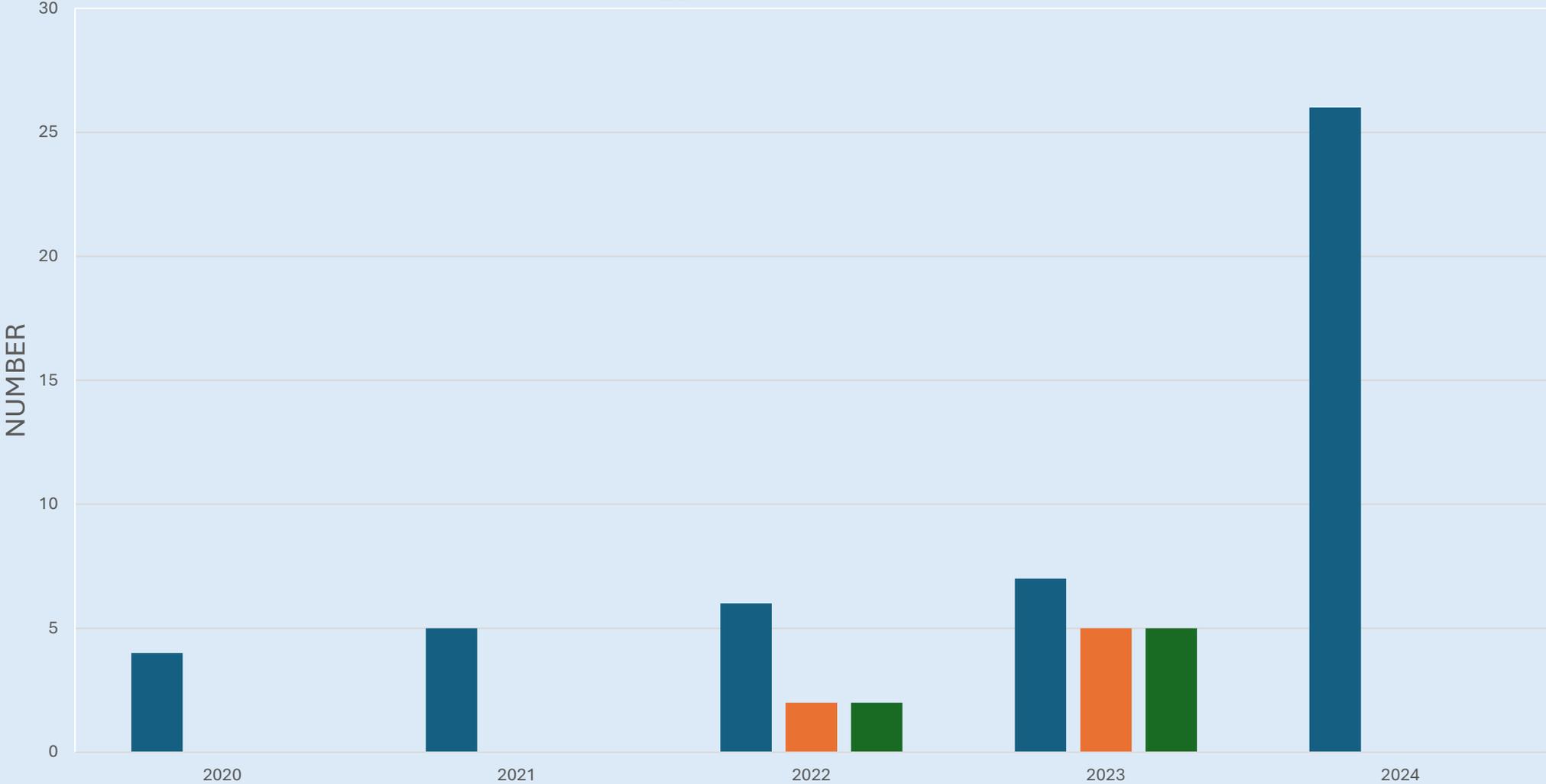
■ CLINE SPIT

■ EDIZ HOOK

■ ELWHA W

■ ELWHA E

SURF SMELT



■ EDIZ HOOK ■ ELWHA W ■ ELWHA E