

Western Washington University Western CEDAR

Salish Sea Ecosystem Conference

2018 Salish Sea Ecosystem Conference (Seattle, Wash.)

Apr 5th, 10:30 AM - 10:45 AM

Which factors influence Manila clam survival on Lummi Nation tidal flats?

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Quesada, Andrés J.; Thurber, Andrew; Peacock, Misty; Hunter, Rosa; and Hatch, Marco, "Which factors influence Manila clam survival on Lummi Nation tidal flats?" (2018). *Salish Sea Ecosystem Conference*. 143.

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Which factors influence Manila clam survival on Lummi Nation tidal flats?

Marco Hatch, Andrew Thurber, Misty Peacock, Rosa Hunter

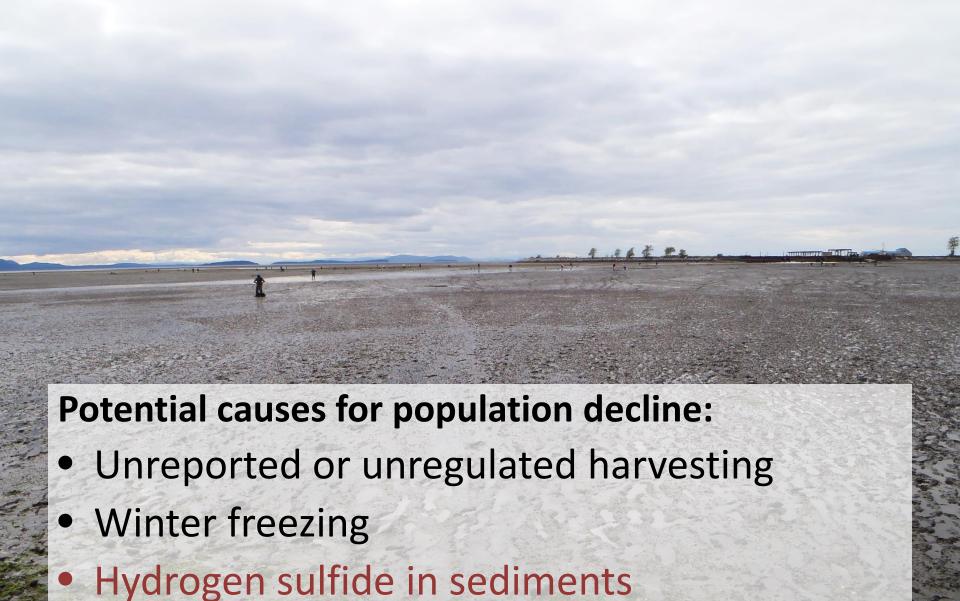
Andrés J. Quesada

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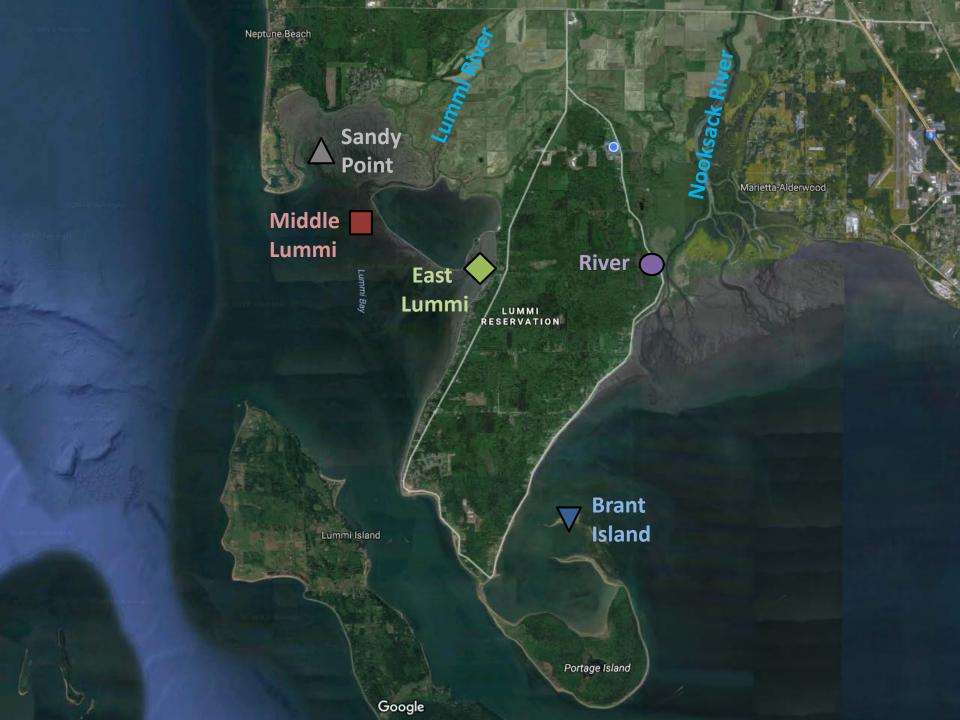








Changes in diet and food availability





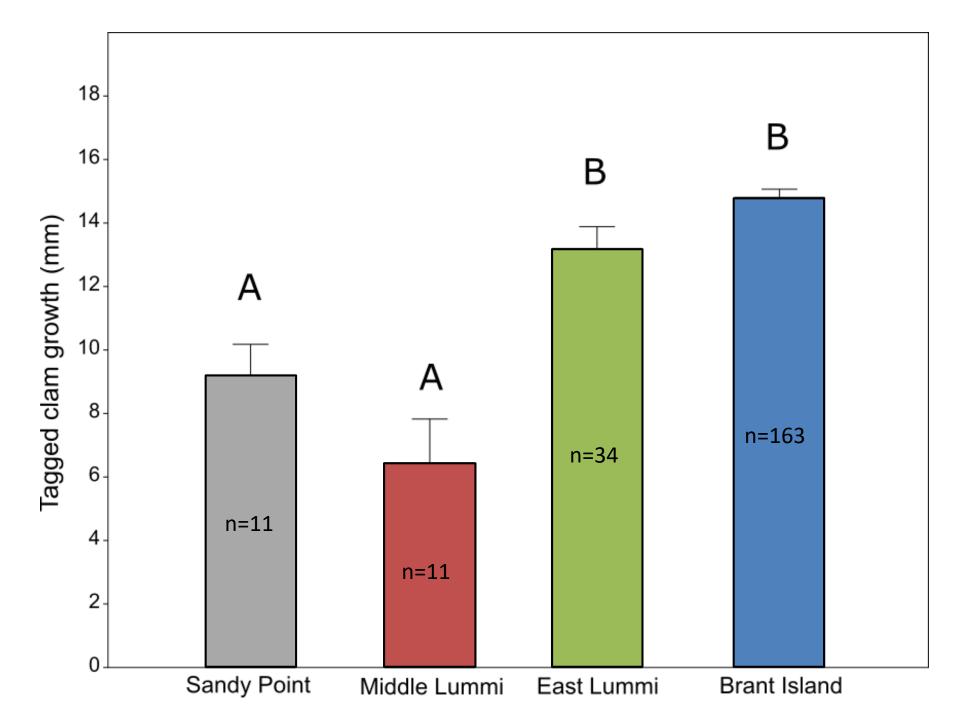


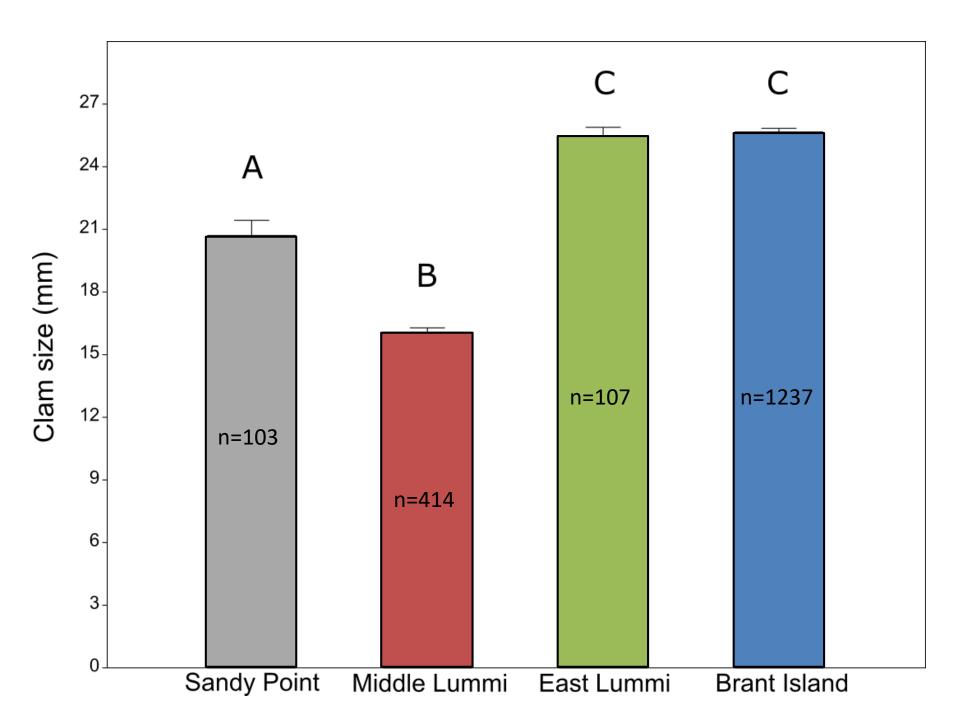




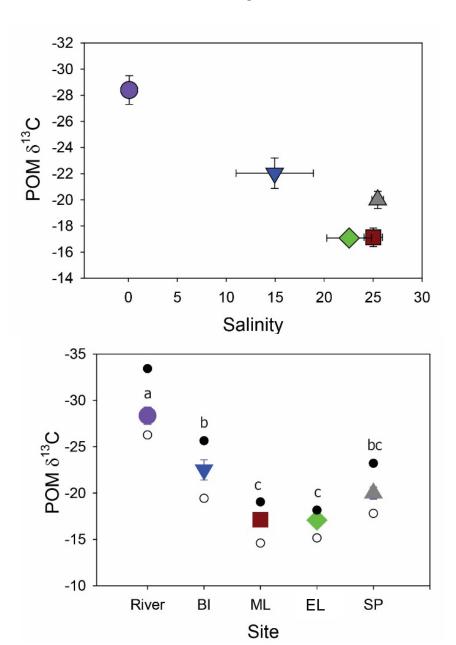


6 months later...





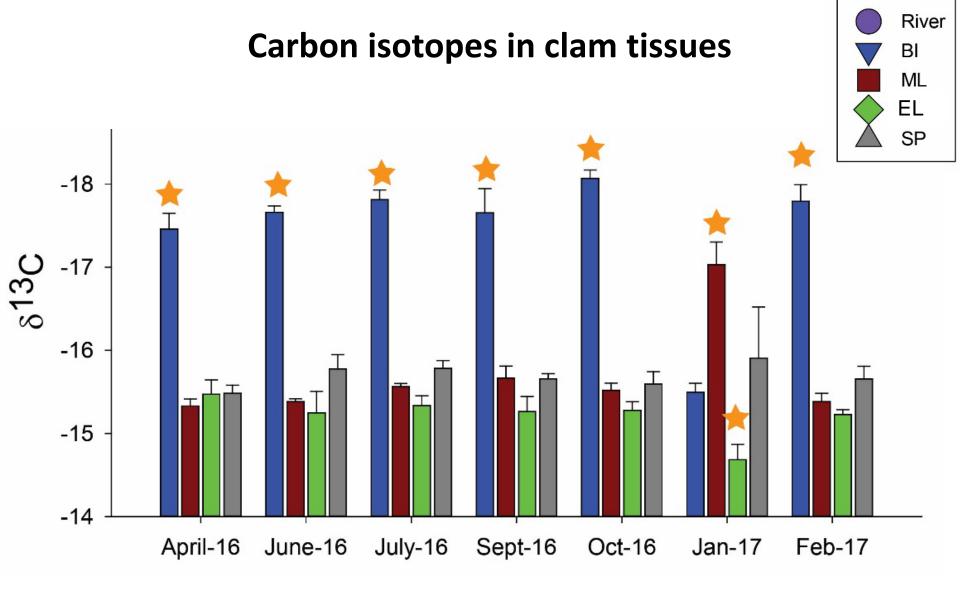
Carbon isotopes in water





Brant Island (∇) had the lowest and most variable salinity.

Brant Island (▼) and Sandy Point (▲) had highest inputs of terrestrial POM.



Brant Island (∇) had the lowest δ^{13} C throughout the year, except for January.

Next steps:

- Fatty acid analyses
- Analyze phytoplankton samples



Acknowledgements

NIFA Grants

- 2015-38424-24030
- 2015-38424-24032

Students

Amy Irons, Josephine Kamkoff, Stimmy Lee, Jefferson Emm



United States Department of Agriculture National Institute of Food and Agriculture

