

Red Knot abundance and diet at an important Alaskan stopover: Controller Bay

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Methods – abundance estimate

- On the ground surveys conducted in May 2022, 2023 and 2024
- Methods followed Lyons et al. 2016 from WA population using mark-resight methods from tagged birds



Results – abundance estimate

- Not enough flagged birds in 2022
- In 2023: ~8,928 knots (95% CrI:4,937-16,833) or 41% of estimated population
- In 2024: ~16,588 knots (95% CrI:12,398-22,777) or 76% of estimated population



Diet study

- Analyzed by Christiana Teye and Erin Grey at University of Maine



Understanding the diet of the Red Knot is biologically important



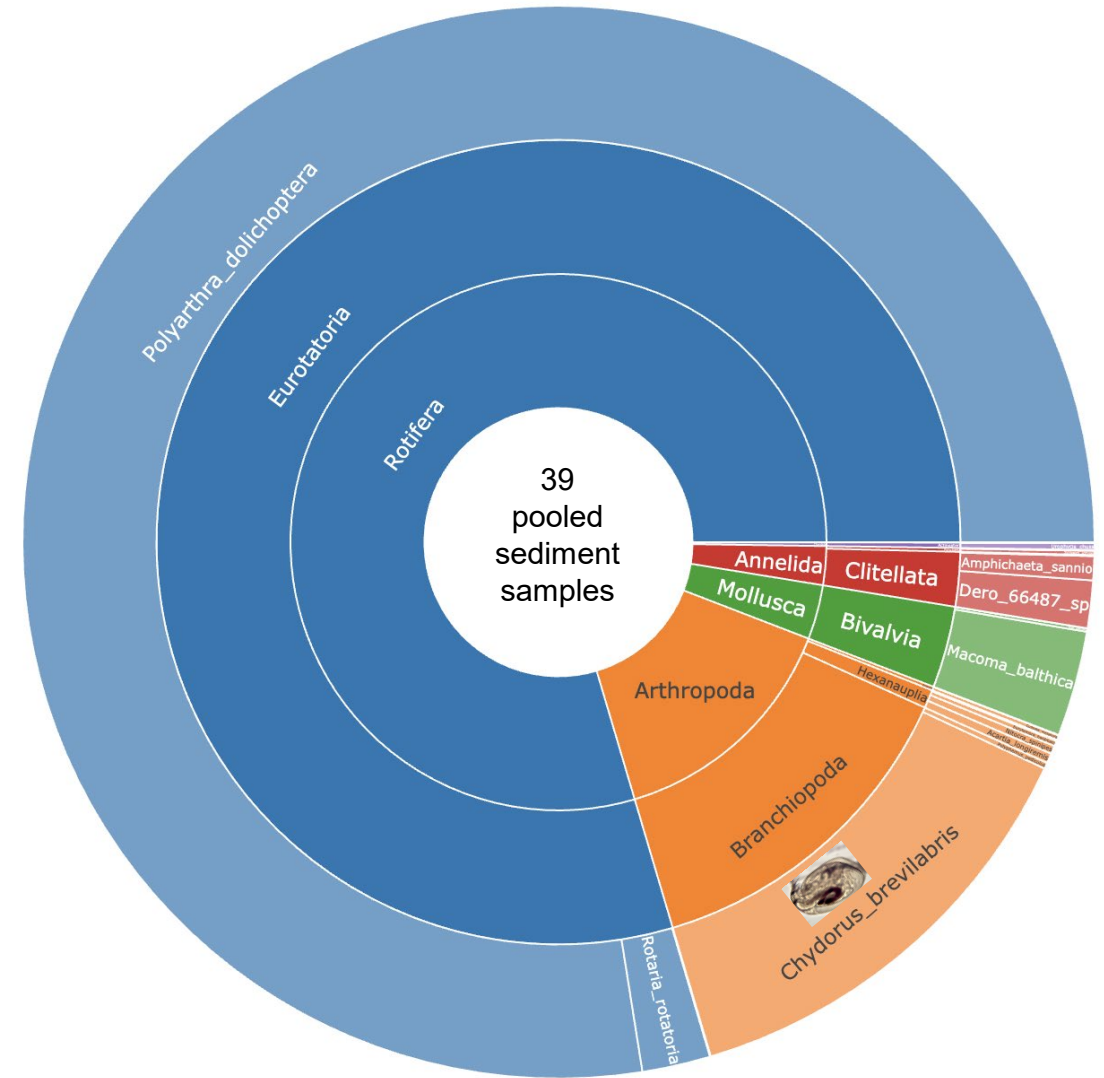
Why eDNA for Diet Assessment?



Dietary Diversity Revealed by eDNA



https://egreyavis.github.io/sunburst-plots/sunburst_plot_AKfecal_animal.html



https://egreyavis.github.io/sunburst-plots/sunburst_plot_AKsediment_animal.html

