

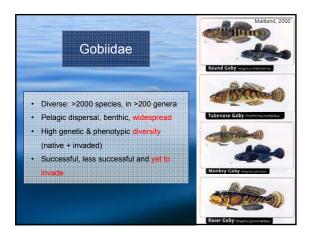
Hypotheses & Objectives

Hypotheses

- A broad ecological niche is associated with higher AIS postestablished success rate
- Potential for niche flexibility is associated with higher AIS postestablished success rate

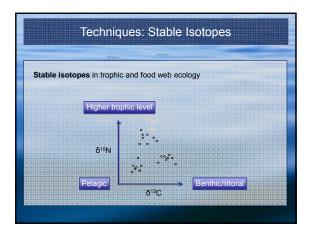
Objectives:

- >++> Depict population niche space from stable isotopes ($\delta^{13}C \& \delta^{15}N$)
- >++> Relate to potential for variability in phenotype

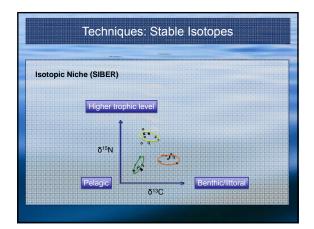












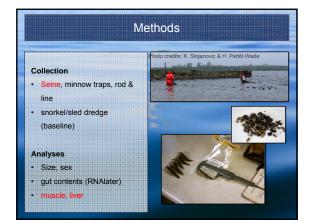


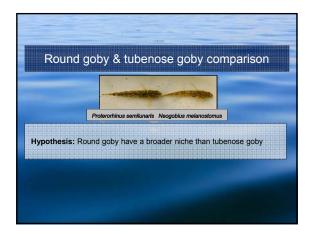
Project Objectives

1) To assess the isotopic niches of round and tubenose goby (Lake St. Clair region)

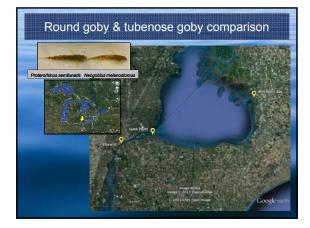
1) To assess the isotopic niche of round goby at established sites and at the invasion front (throughout Great Lakes)

-Dressiends were also collected to provide baseline for each location

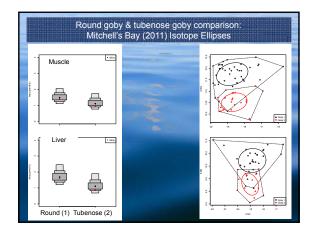




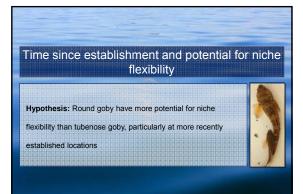




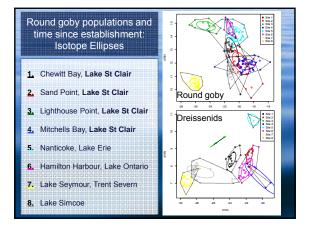




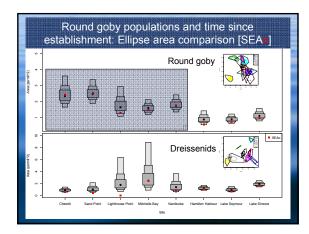




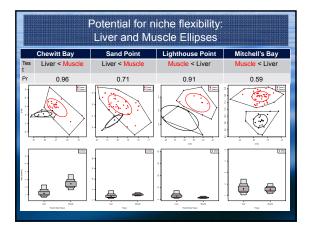




6









Summary & Significance

1. Round goby feed at higher trophic level than tubenose

- 2. Round Goby have a larger isotopic niche than tubenose
- 3. Round goby have broader niche in longer
- established locations
- Round Goby have higher potential for niche flexibility than tubnose goby





_
-
_
-
_
_

