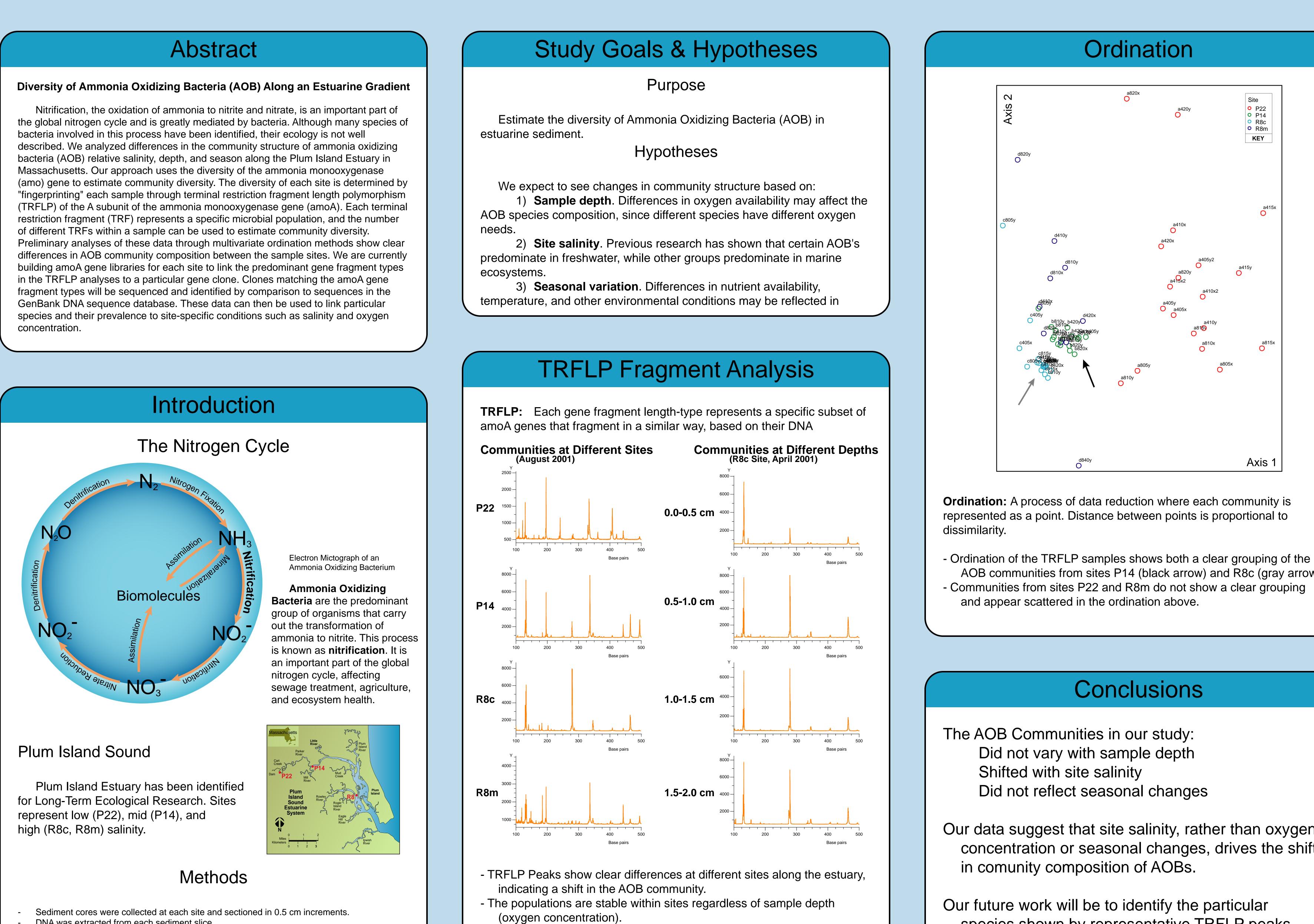
Diversity of Ammonia Oxidizing Bacteria Along an Estuarine Gradient Thomas M. Donn¹, Anne E. Bernhard², David A. Stahl². University of Washington, Seattle, Washington ¹Department of Microbiology ²Department of Civil and Environmental Engineering

Nitrification, the oxidation of ammonia to nitrite and nitrate, is an important part of



- DNA was extracted from each sediment slice.
- The amoA gene was amplified via PCR using primers specific to ammonia monooxygenase.

AOB communities from sites P14 (black arrow) and R8c (gray arrow). - Communities from sites P22 and R8m do not show a clear grouping

Our data suggest that site salinity, rather than oxygen concentration or seasonal changes, drives the shift

species shown by representative TRFLP peaks.



⁻ No seasonal changes were visible.