Northeastern categories – stressors driving cluster formation

1 – Rockport, Gloucester, Provincetown

+ Unhard.std

+ Hard of hard

+ Tidal flushing

1. Ellisville, Quivett Creek, Paine’s Creek/Stony Brook, Namskaket, etc.

+ Percent septic

3 – Salem Sound, Saugus River/Pines/Lynn, all around Boston

+ hard of hard

+ bacteria

+ tidal restrict

4 – Merrimack, Parker, Rowley, Cohasset, Scituate, etc.

+ tidal restrict

+ bacteria

Ecotypes definitions

Yellow: Low-energy, abundant modern sediment, protected embayments

Green: Medium- to high-energy, abundant modern sediment, exposed embayments

Orange: Low- to medium-energy, little or no modern sediment, protected embayments

Blue: High-energy, little or no modern sediment, exposed embayments (with relatively low shallow water habitat area)