

## Task 2.1:

# Interactions of Water Bodies with Transportation Infrastructure SBU lead – Chris Gobler

#### Task 2.1 objectives, SBU

- Quantify flooding of Long Island transportation infrastructure (roads, rails) during <u>Hurricane Sandy</u>.
- Quantify flooding of Long Island transportation infrastructure (roads, rails) <u>under FEMA and other storm</u> <u>surge scenarios</u>.
- Quantify flooding of Long Island transportation infrastructure (roads, rails) under <u>multiple sea level rise</u> <u>scenarios</u>.
- Assess failure modes due to the interactions and thresholds of impact
- Assess vulnerability of the Long Island road and rail network, and potential inundation of transportation infrastructure.







### Flooding associated with 100 yrsea level rise



### FEMA 100-yr flood

