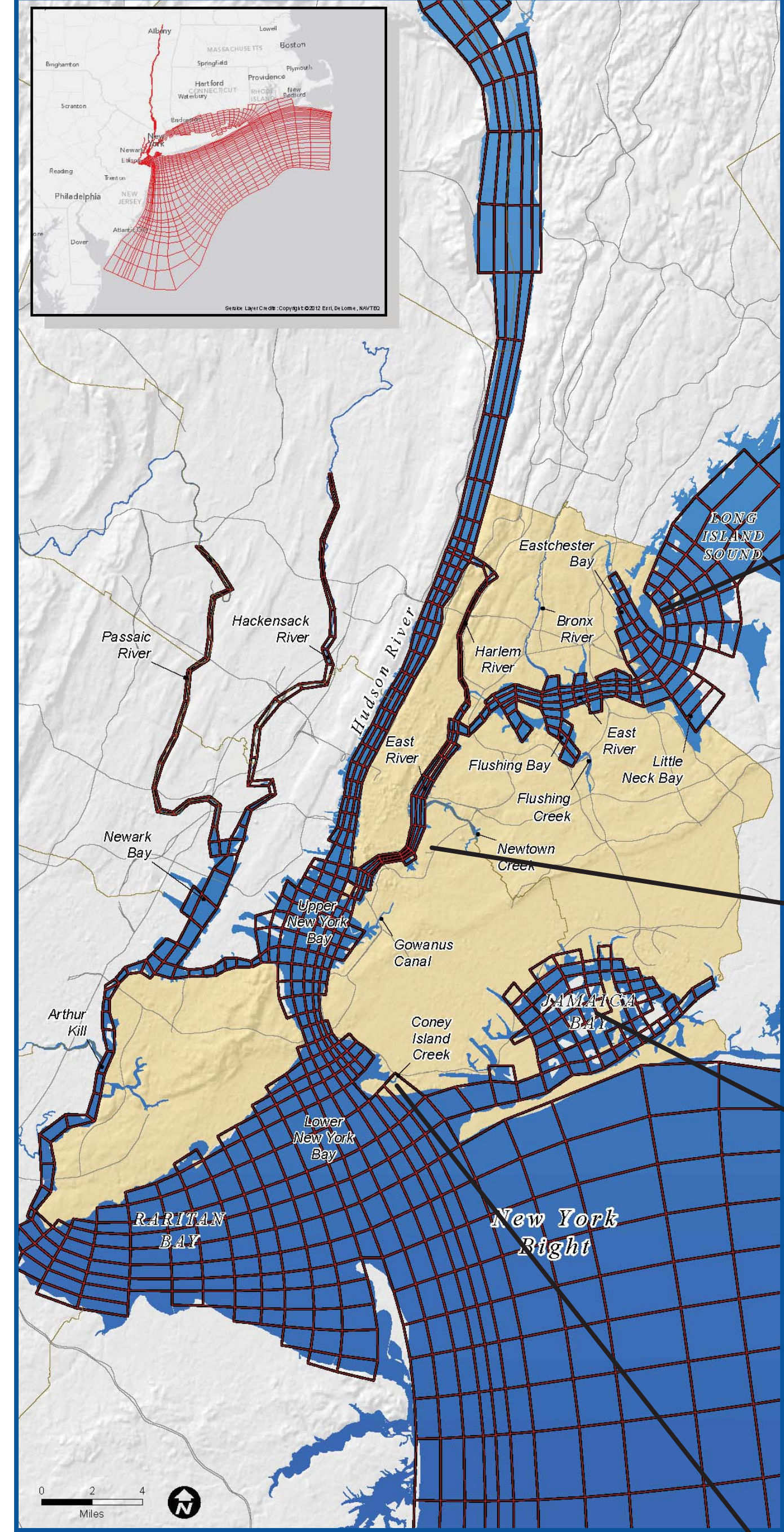
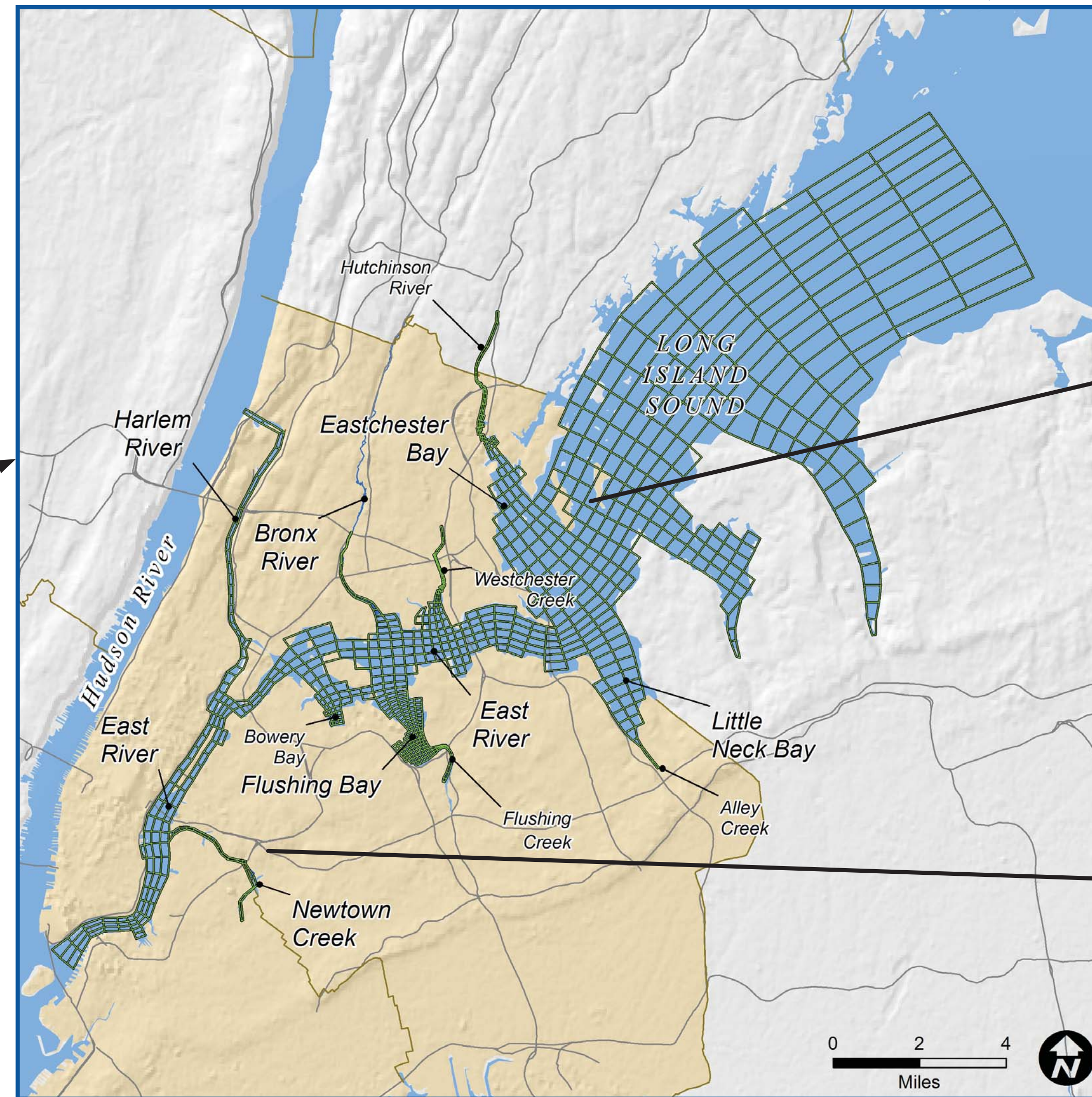


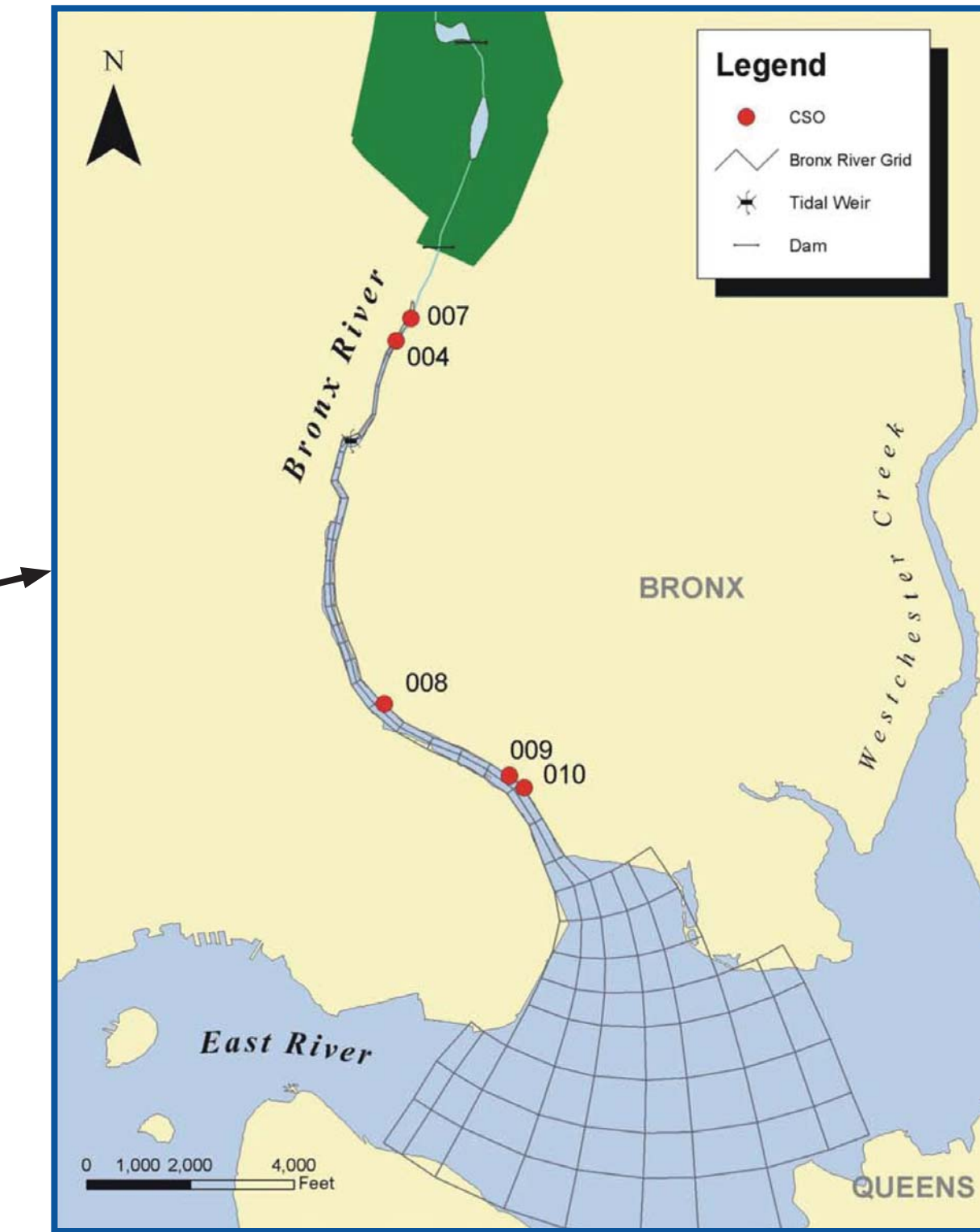
**SWEM (System-Wide Eutrophication Model)**



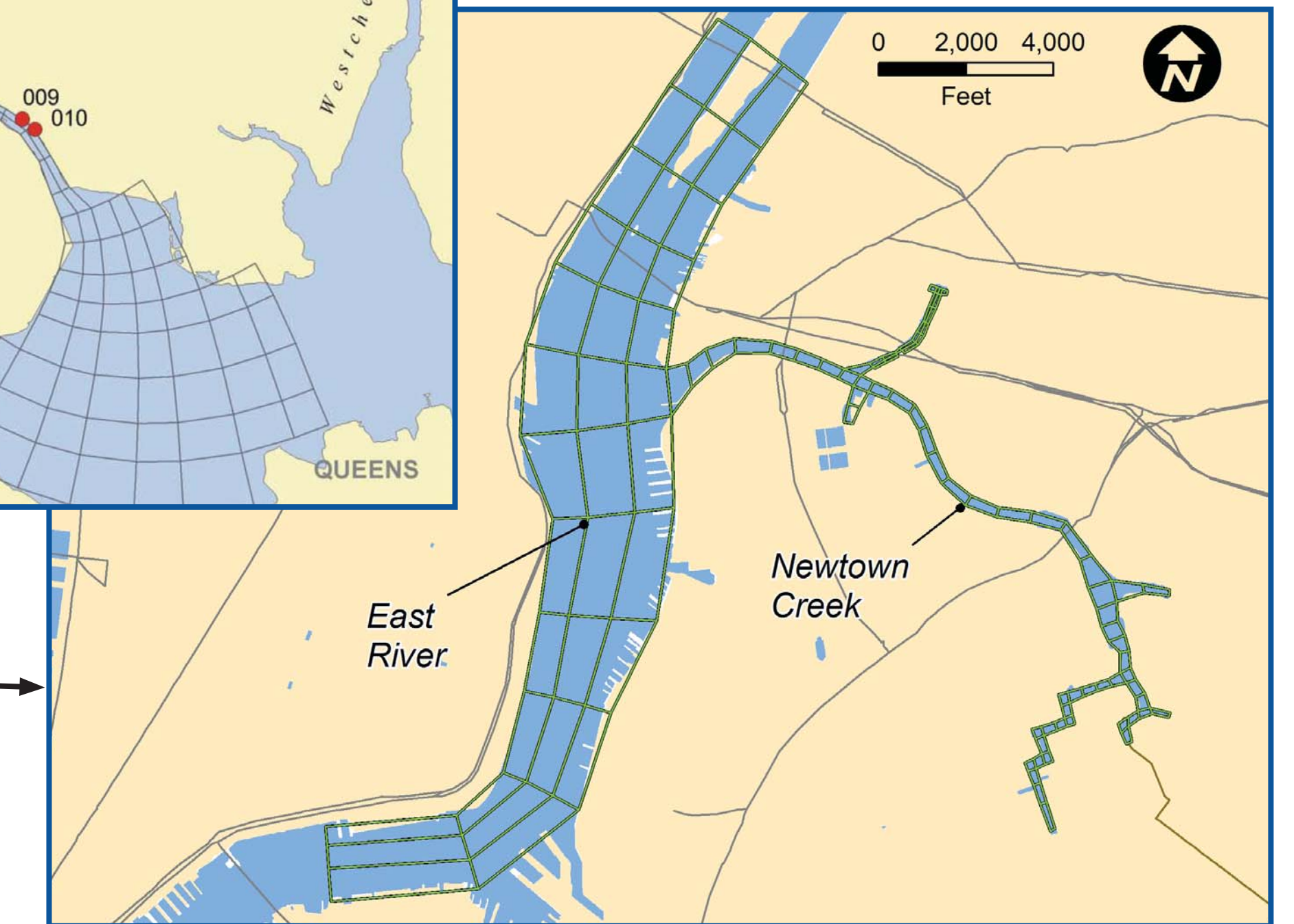
**ERTM (East River Tributary Model)**



**Bronx River**



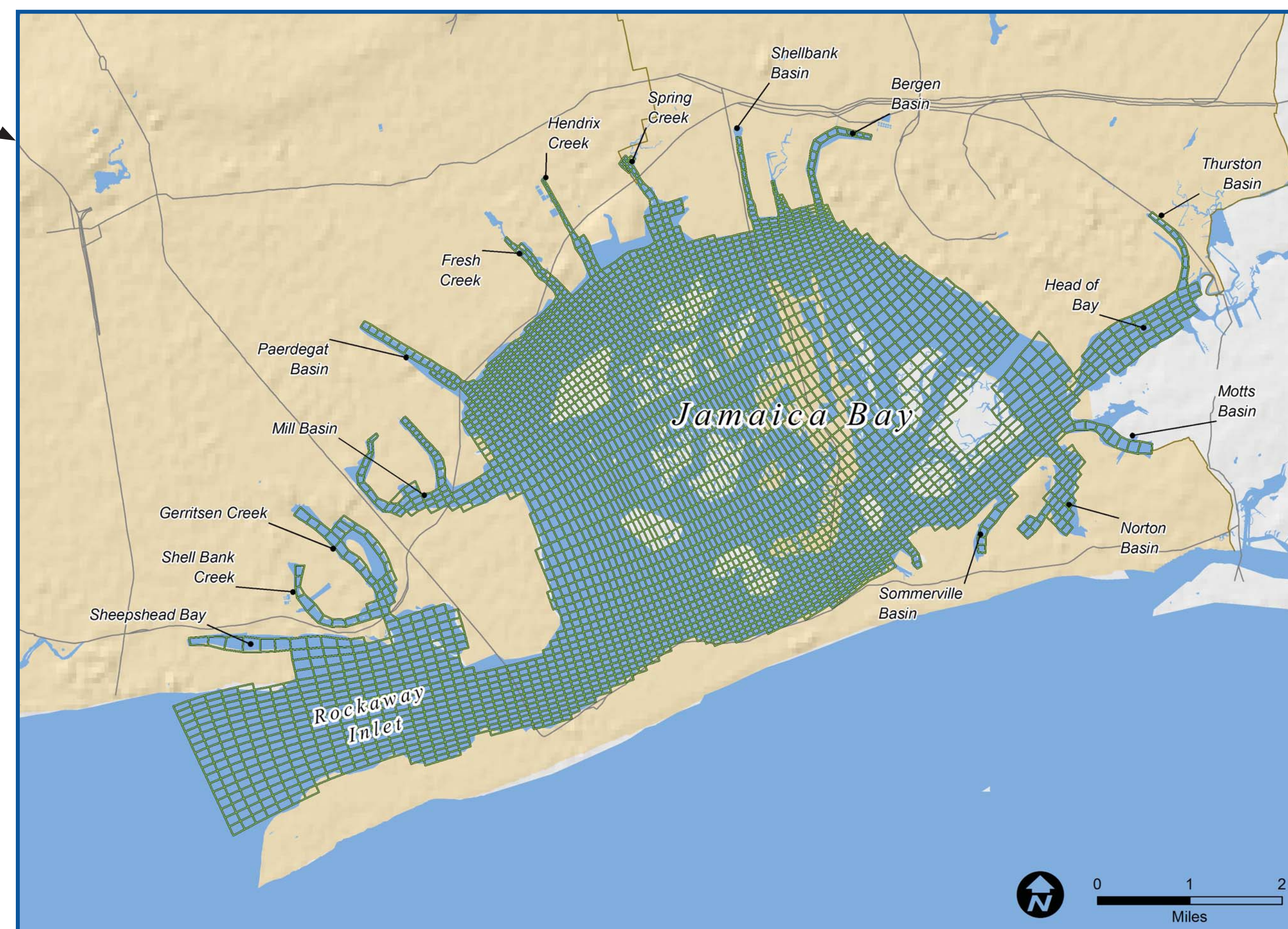
**Newtown Creek**



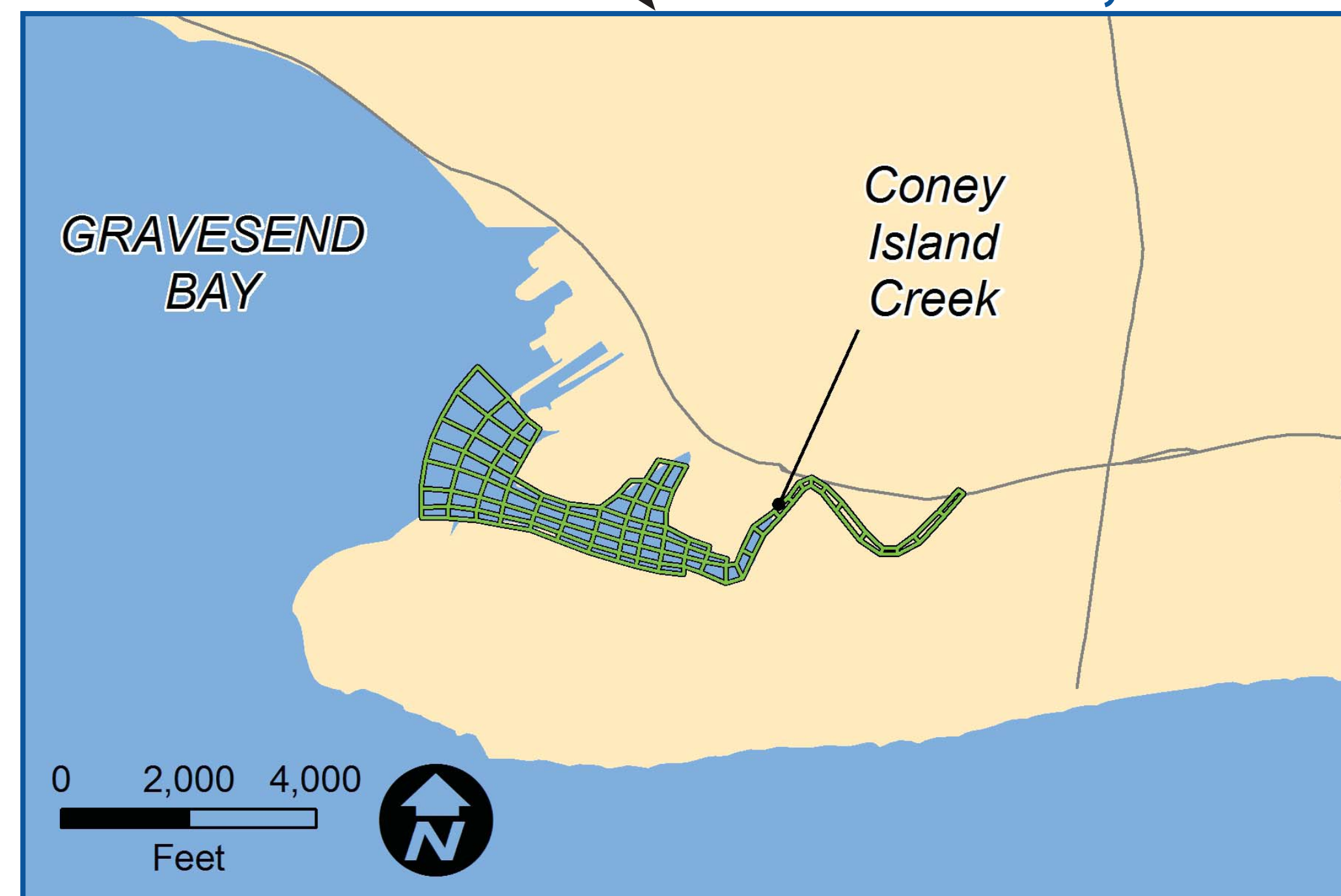
**Gowanus Canal**



**Jamaica Bay**



**Coney Island Creek**

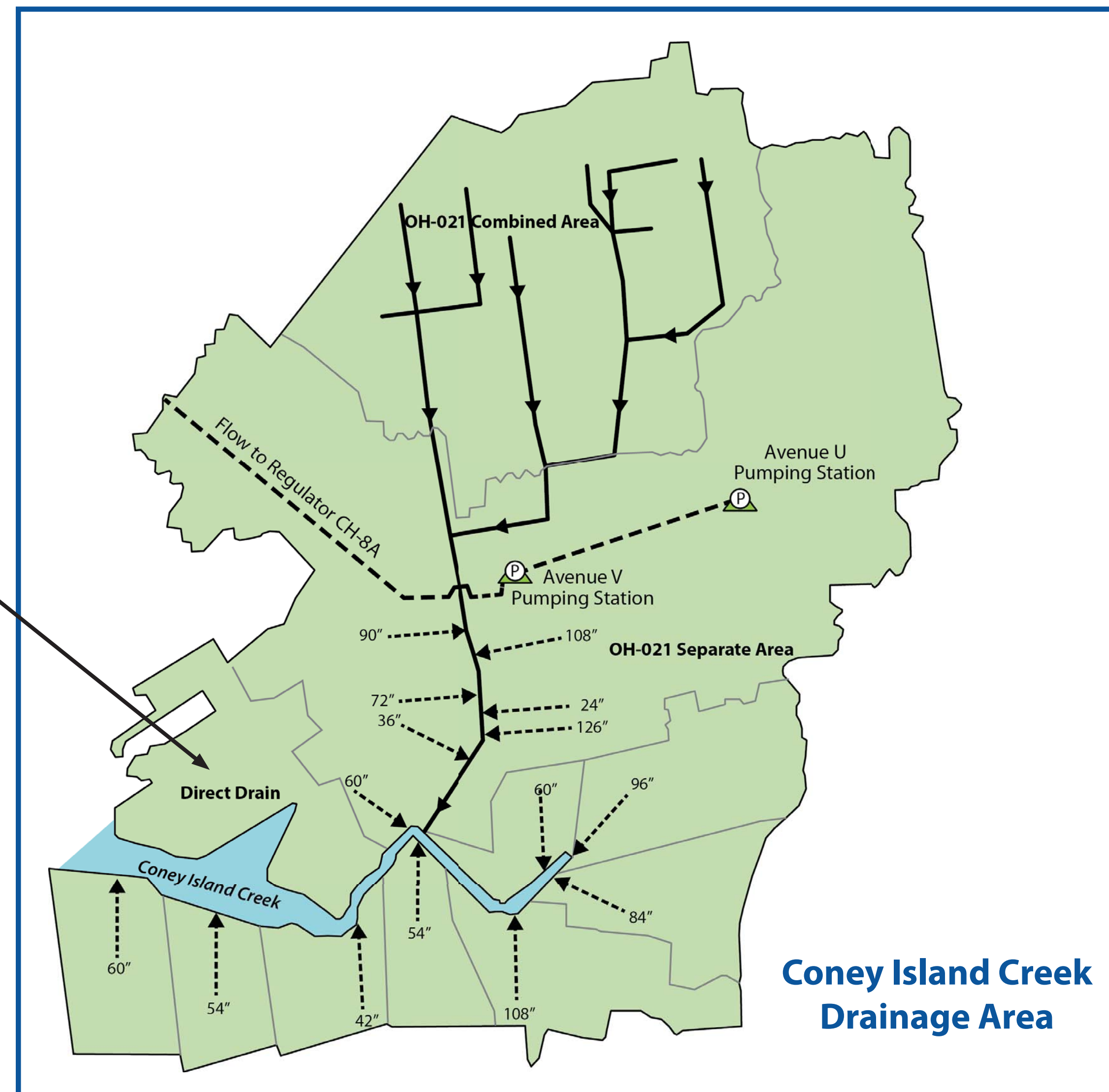


# Integrated Watershed and Water Quality Models

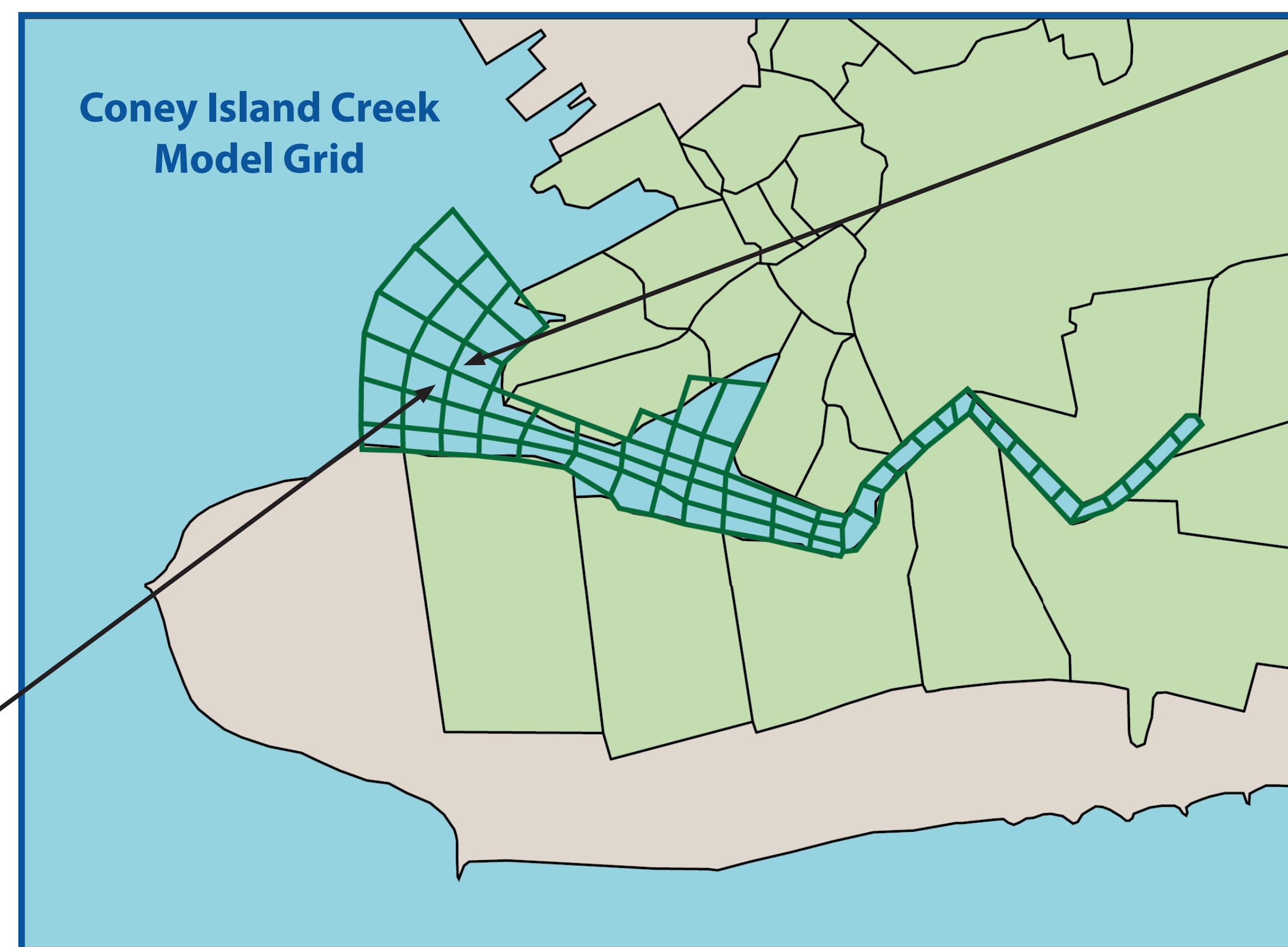
**Watershed Model**



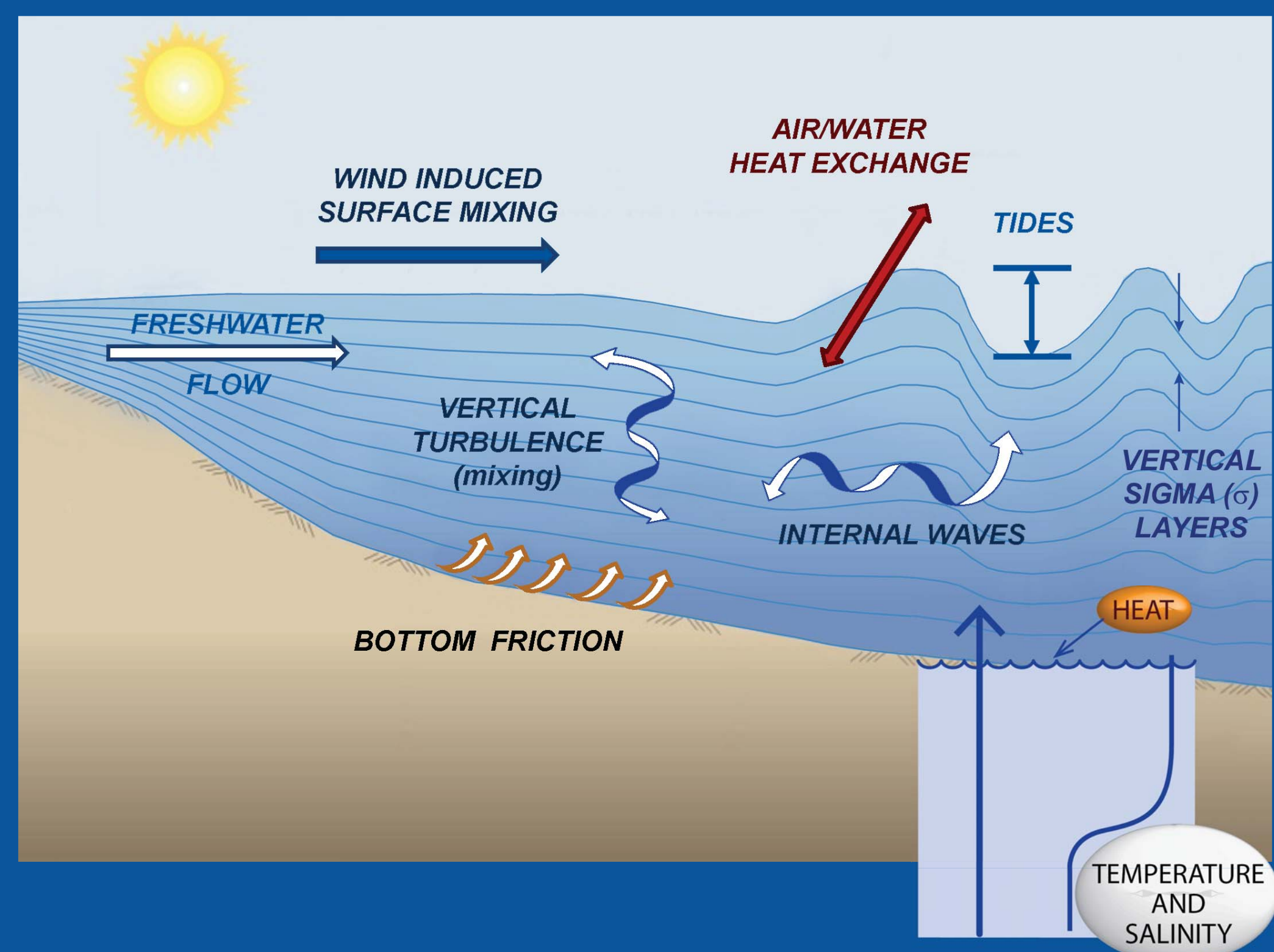
**FRESHWATER  
INFLOW &  
POLLUTANT LOADS**



**Coney Island Creek  
Model Grid**



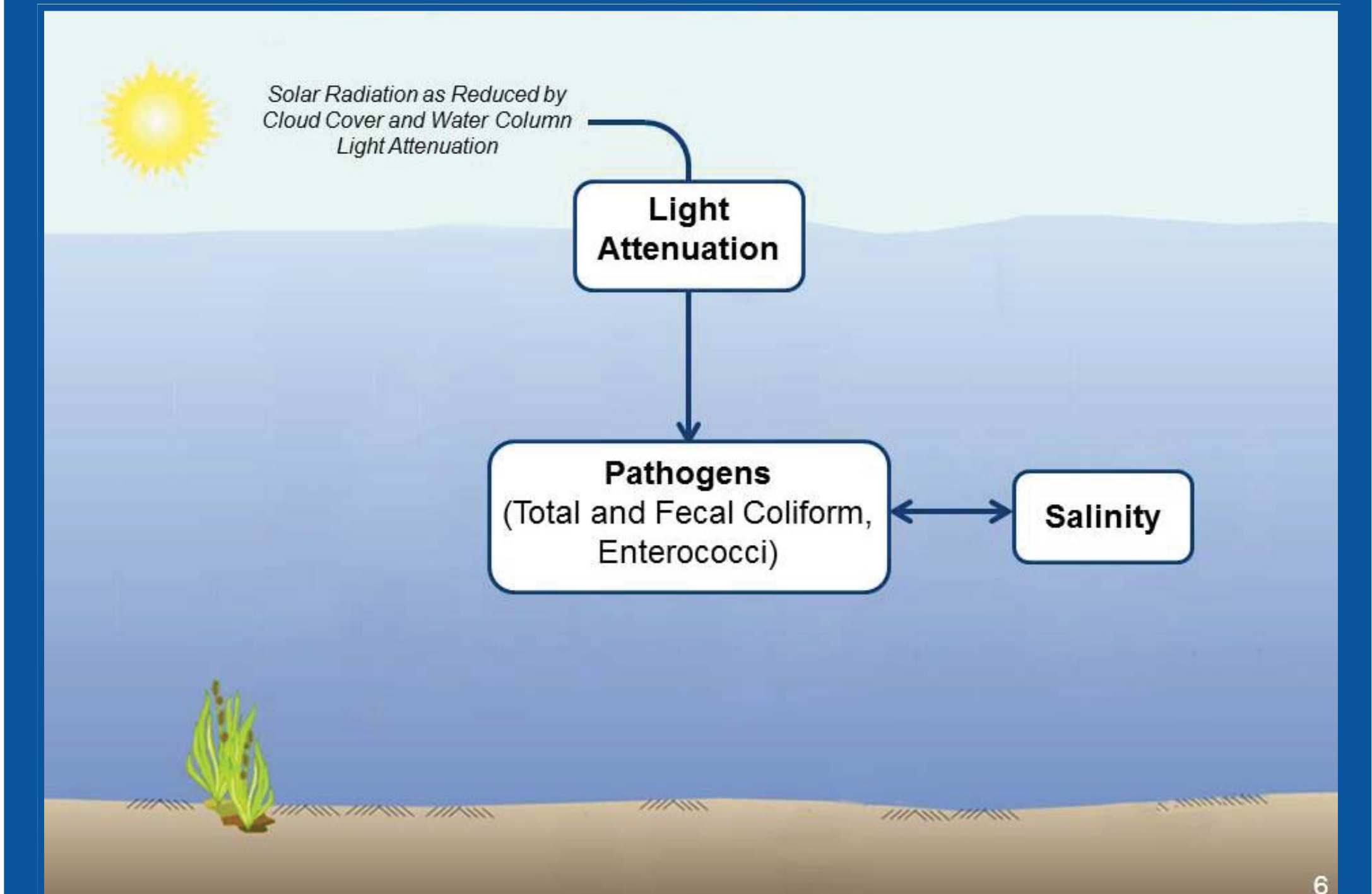
**Hydrodynamic Model**



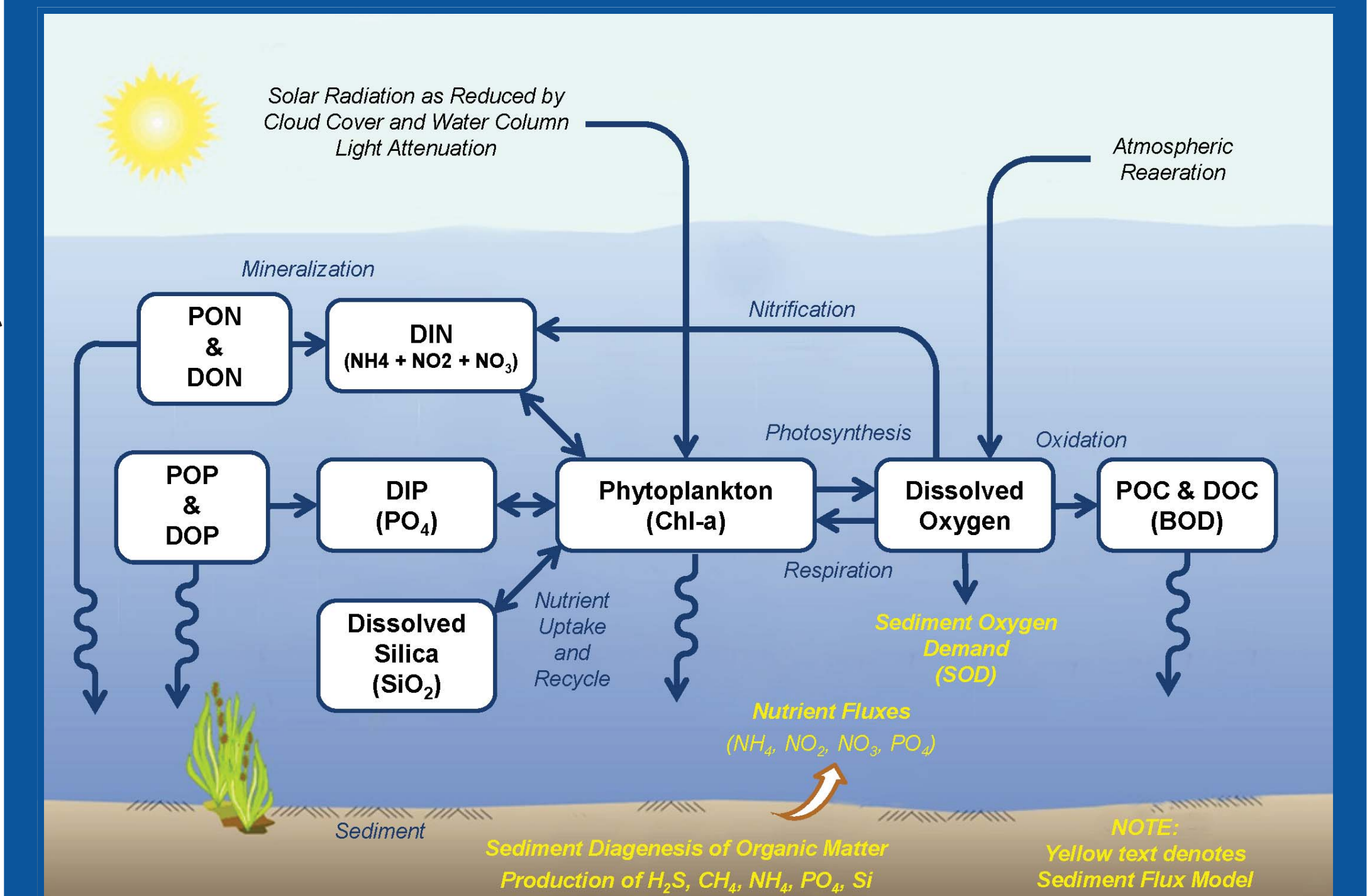
**CIRCULATION  
& TRANSPORT**

**CHEMICAL &  
BIOLOGICAL  
REACTIONS**

**Pathogens Model**



**Eutrophication Model**



**Sediment Transport and Toxics Model**

