Integrated Watershed and Water Quality Models

Watershed Model

Coney Island Creek Drainage Area

FRESHWATER INFLOW & POLLUTANT LOADS

Hydrodynamic Model

Circulation &Transport

Chemical & Biological Reactions

Pathogens Model

Light Attenuation

Salinity

Pathogens (Total and Fecal Contaminant Enterovirus)

Eutrophication Model

Sediment Transport and Toxics Model

POC & DOC (BOD)

Nitrogen

Phosphorus

PO4 (P)

Dissolved Oxygen

POC & DOC (BOD)

PO4 (P)

Dissolved Oxygen

POC & DOC (BOD)

PO4 (P)

Dissolved Oxygen

POC & DOC (BOD)

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