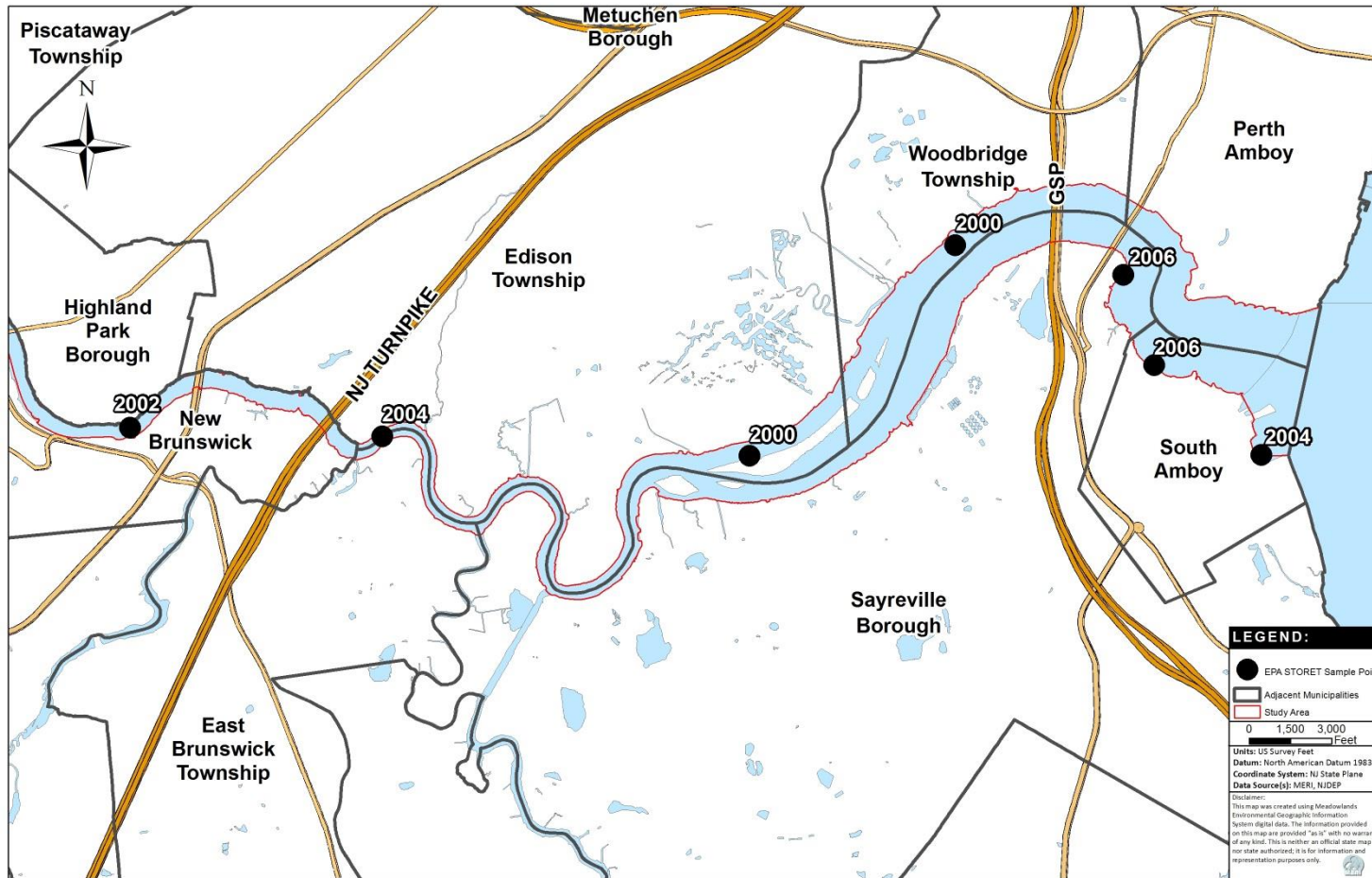


# Sediment Survey of the Lower Raritan River

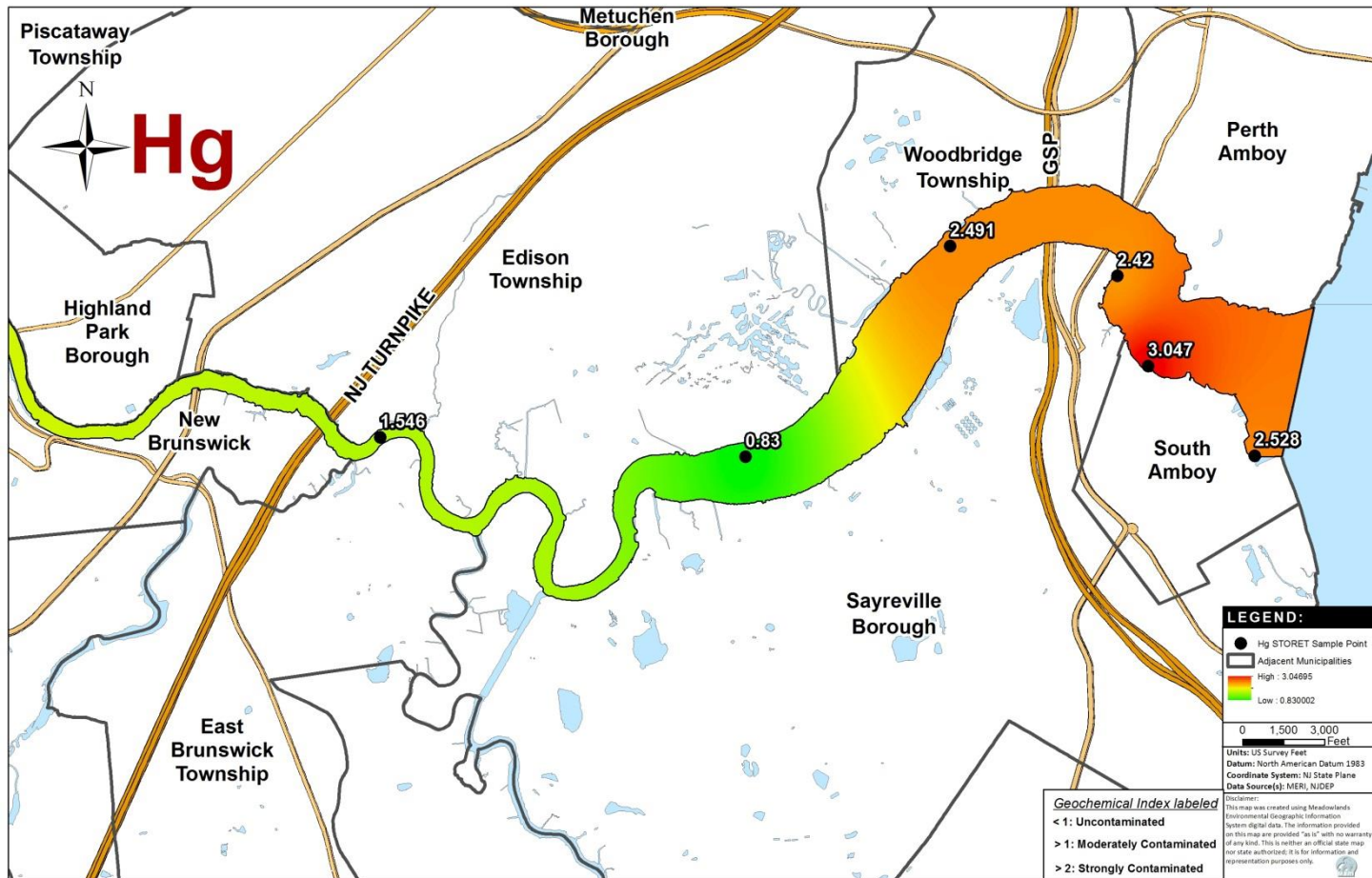
Meadowlands Environmental Research Institute – Department of Earth and Environmental  
Science

# Problem Statement

- Currently only 7 sediment locations in this area of interest were sampled and integrated into EPA databases over a decade ago
- We desired to take more sediment and water quality samples to assess contamination and establish a baseline in the main stem of the Raritan

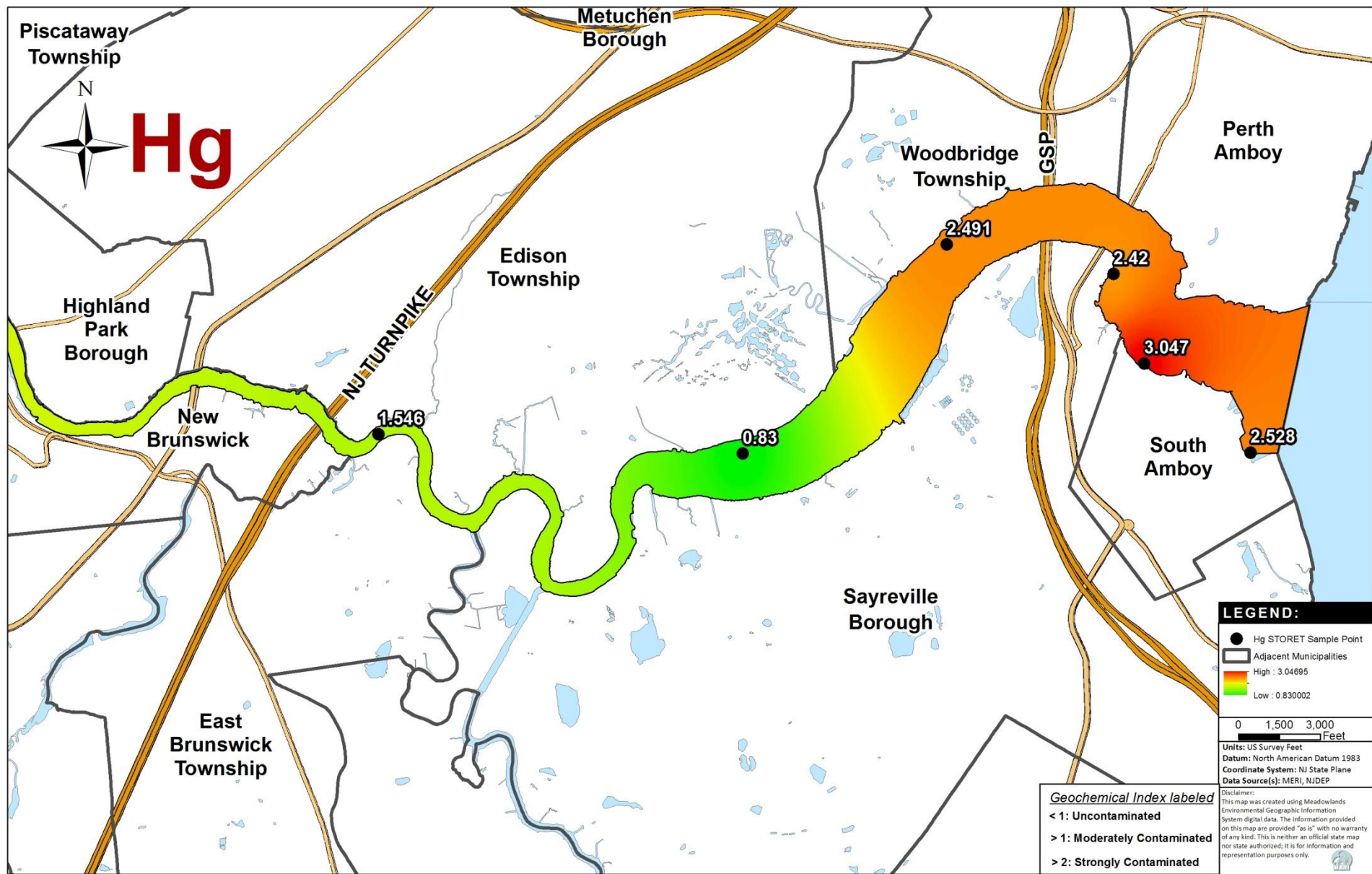


# Sediment Contaminant Visualization



- Take the contaminant concentration and using ArcGIS software, visualize where the contaminants are located in the main stem of the Raritan using raster interpolation
- Parameters in EPA STORET Datasets:
  - Organic Compounds such as PCB, PAH, OCP
  - Trace Metals such as Hg, Cd, Cr, As, Cu, Pb, Zn

***Our goal is to develop a more extensive environmental dataset for the main stem of the Lower Raritan and to find the degree of contaminants present there***





**THANK YOU**

**Mushett Family  
Foundation**



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