

Figure 5-1. Newark Bay Study Area
Current Valid USACE Issued Permits
as of 1 Oct. 2006

Dredging Contract Areas

Maintenance Dredging

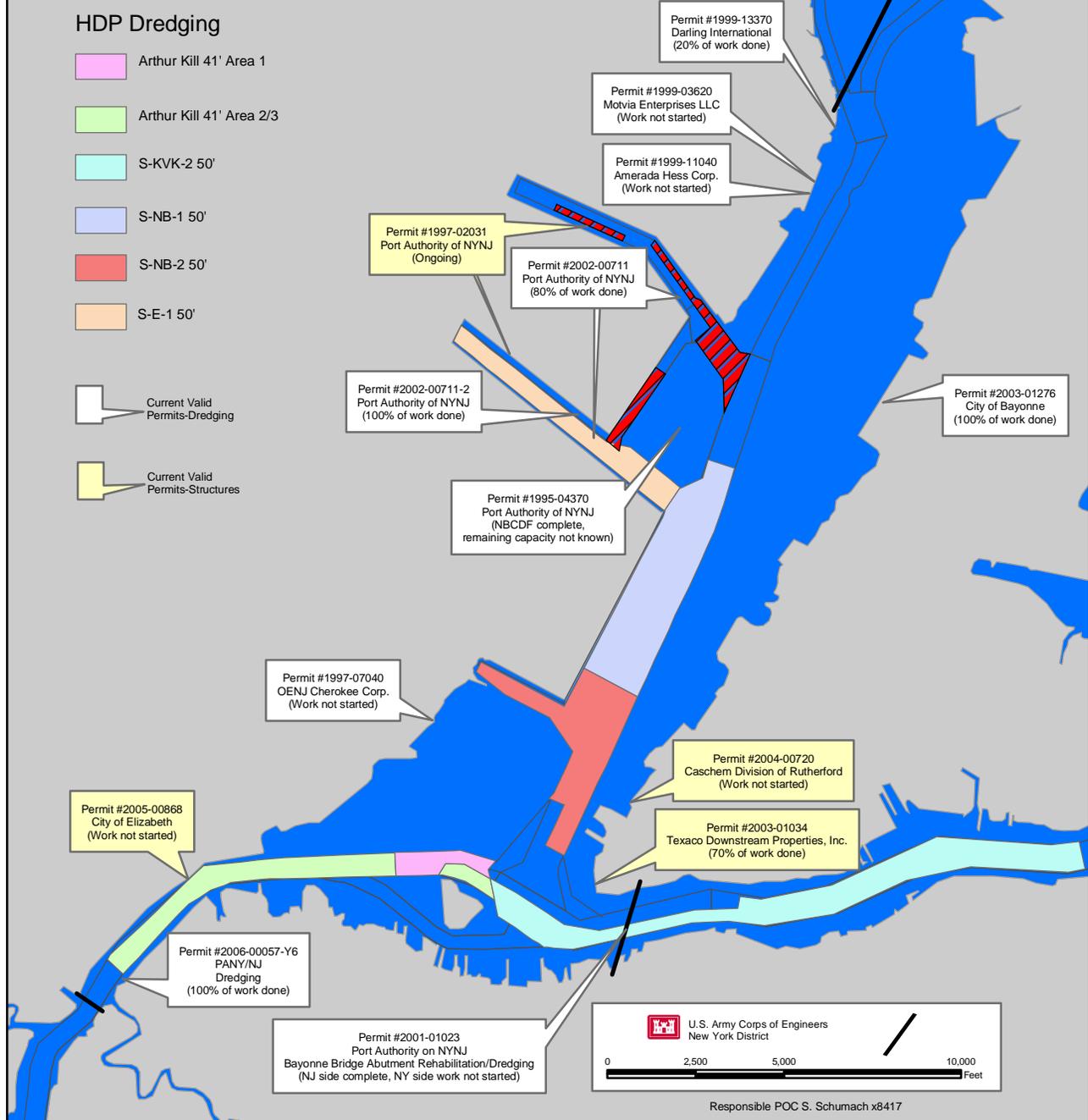
 Port Newark & Port Newark
Pierhead Channels

HDP Dredging

-  Arthur Kill 41' Area 1
-  Arthur Kill 41' Area 2/3
-  S-KVK-2 50'
-  S-NB-1 50'
-  S-NB-2 50'
-  S-E-1 50'

 Current Valid
Permits-Dredging

 Current Valid
Permits-Structures



 U.S. Army Corps of Engineers
New York District

0 2,500 5,000 10,000 Feet

Figure 5-2. Newark Bay Study Area
Current Applications or Pre-Applications
Before USACE as of 1 Oct. 2006

Dredging Contract Areas

Maintenance Dredging

 Port Newark & Port Newark
Pierhead Channels

HDP Dredging

 Arthur Kill 41' Area 1

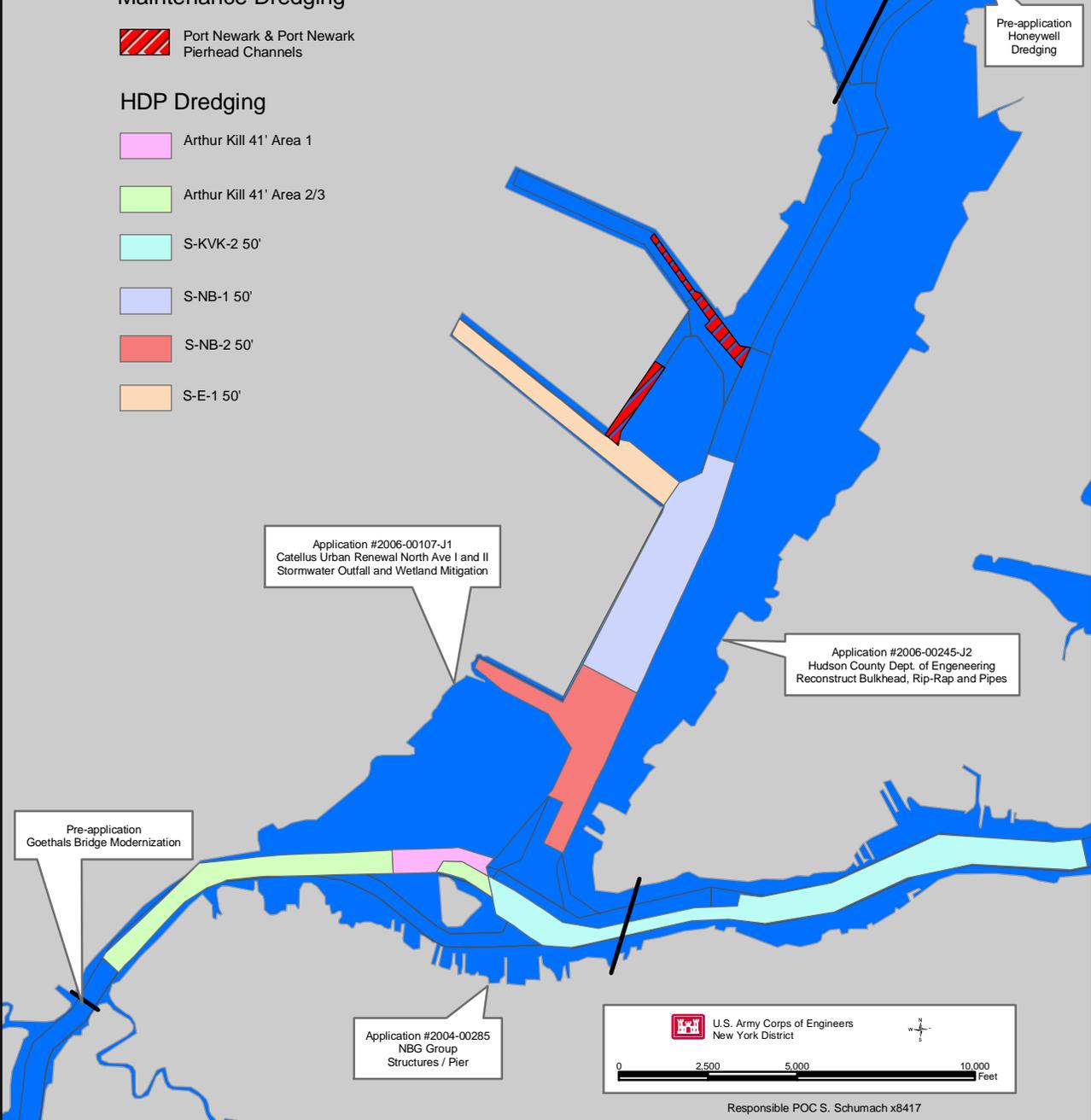
 Arthur Kill 41' Area 2/3

 S-KVK-2 50'

 S-NB-1 50'

 S-NB-2 50'

 S-E-1 50'



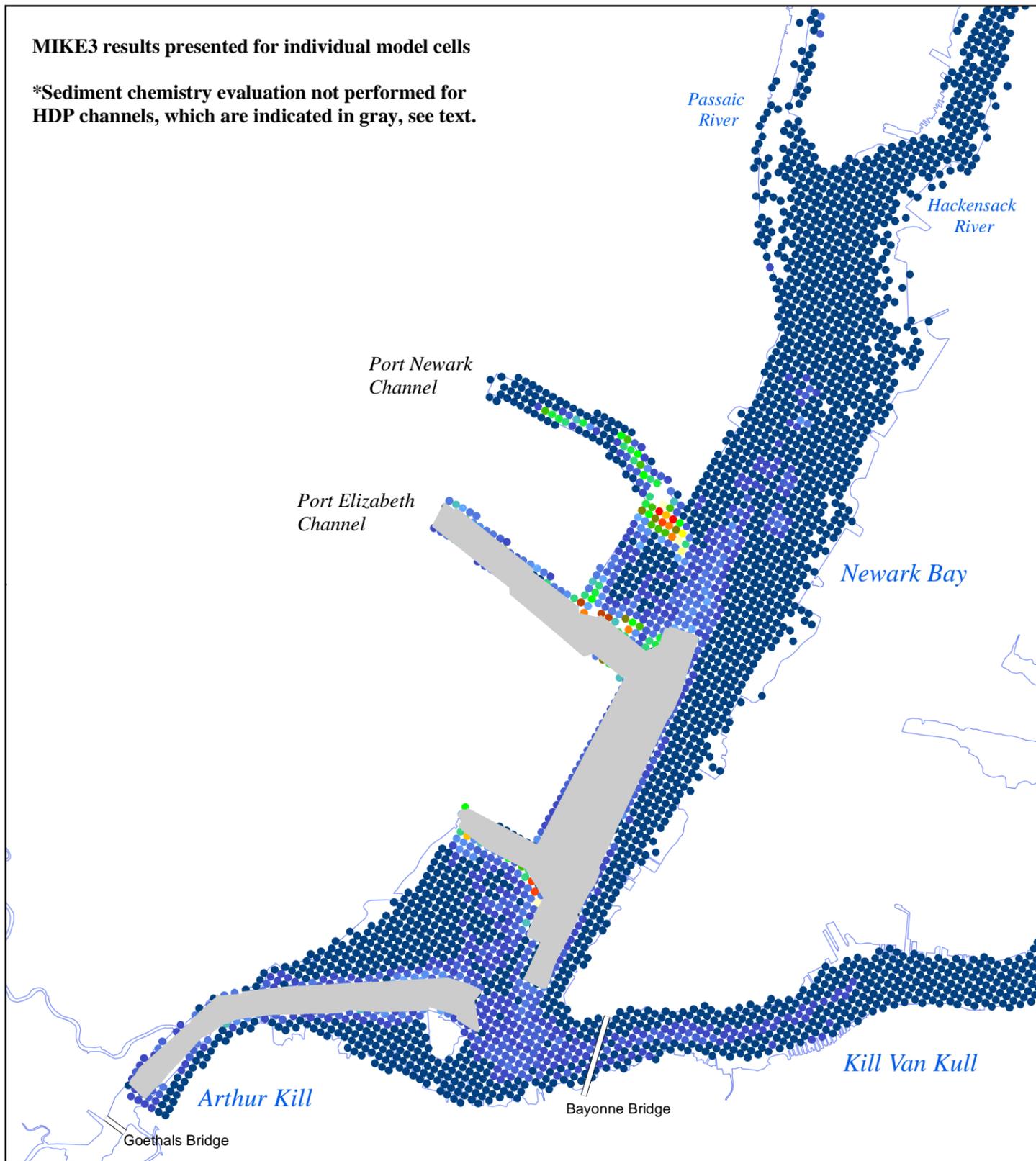
 U.S. Army Corps of Engineers
New York District

0 2,500 5,000 10,000 Feet

Responsible POC S. Schumach x8417

MIKE3 results presented for individual model cells

*Sediment chemistry evaluation not performed for HDP channels, which are indicated in gray, see text.



Interpolated MIKE3 Model Results

Source: Appendix 1, Figure 38

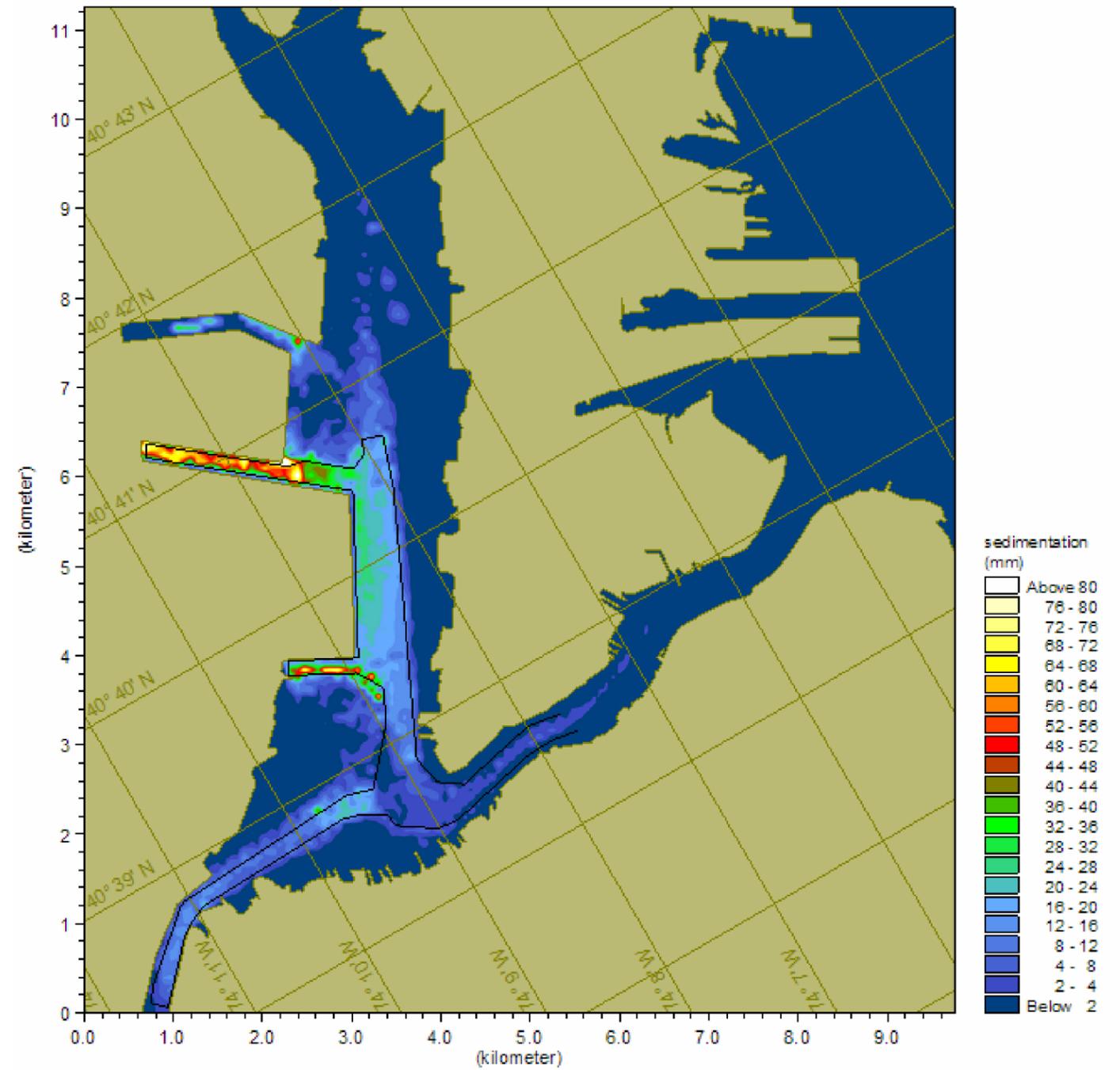


Figure 5-3.
Cumulative 5-year Sedimentation Due to Resuspension
Caused by the HDP and Other Dredging

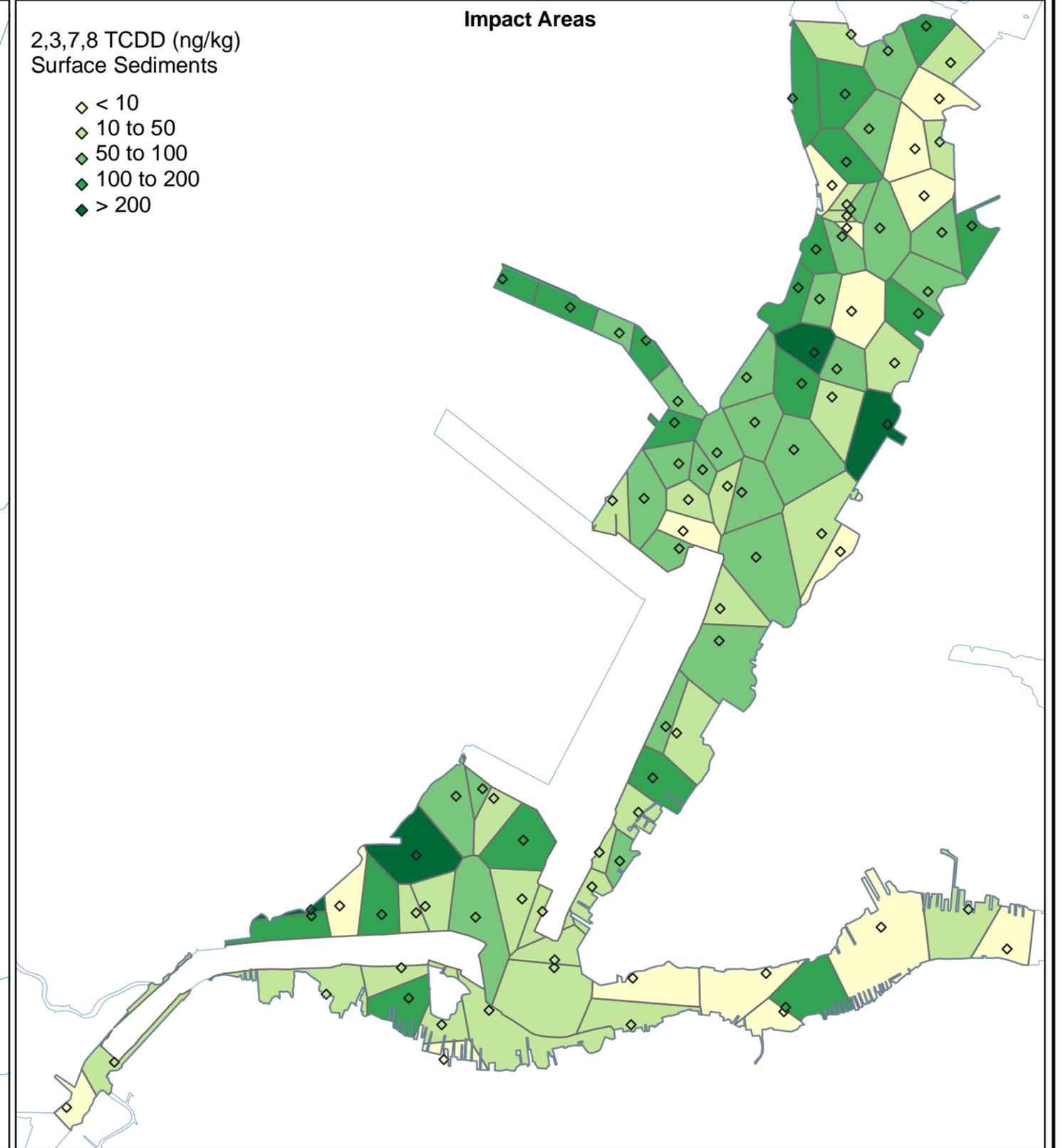
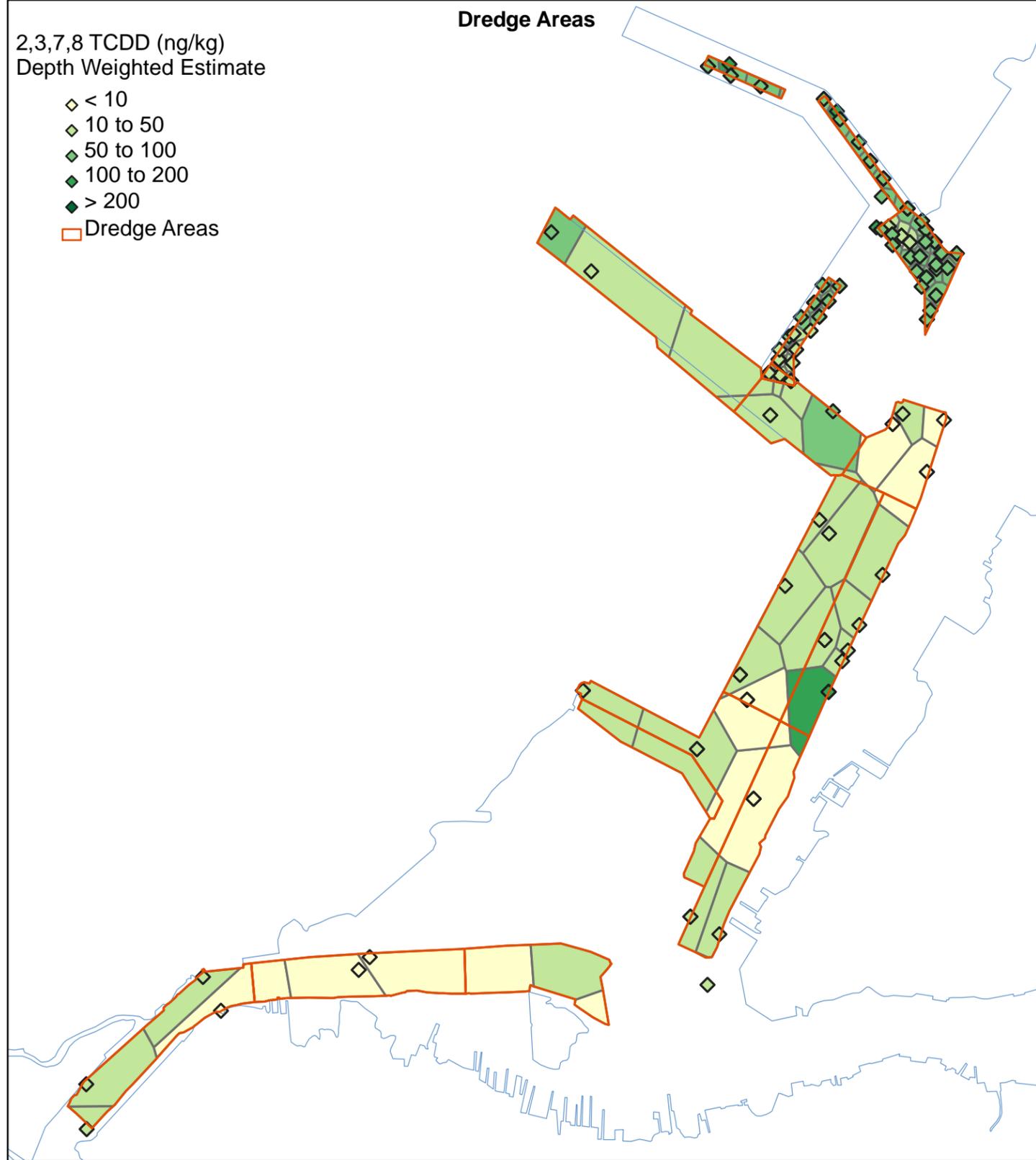


Figure 5-4
2,3,7,8 TCDD in the sediments of Newark Bay under current conditions: Thiessen polygons, cumulative assessment

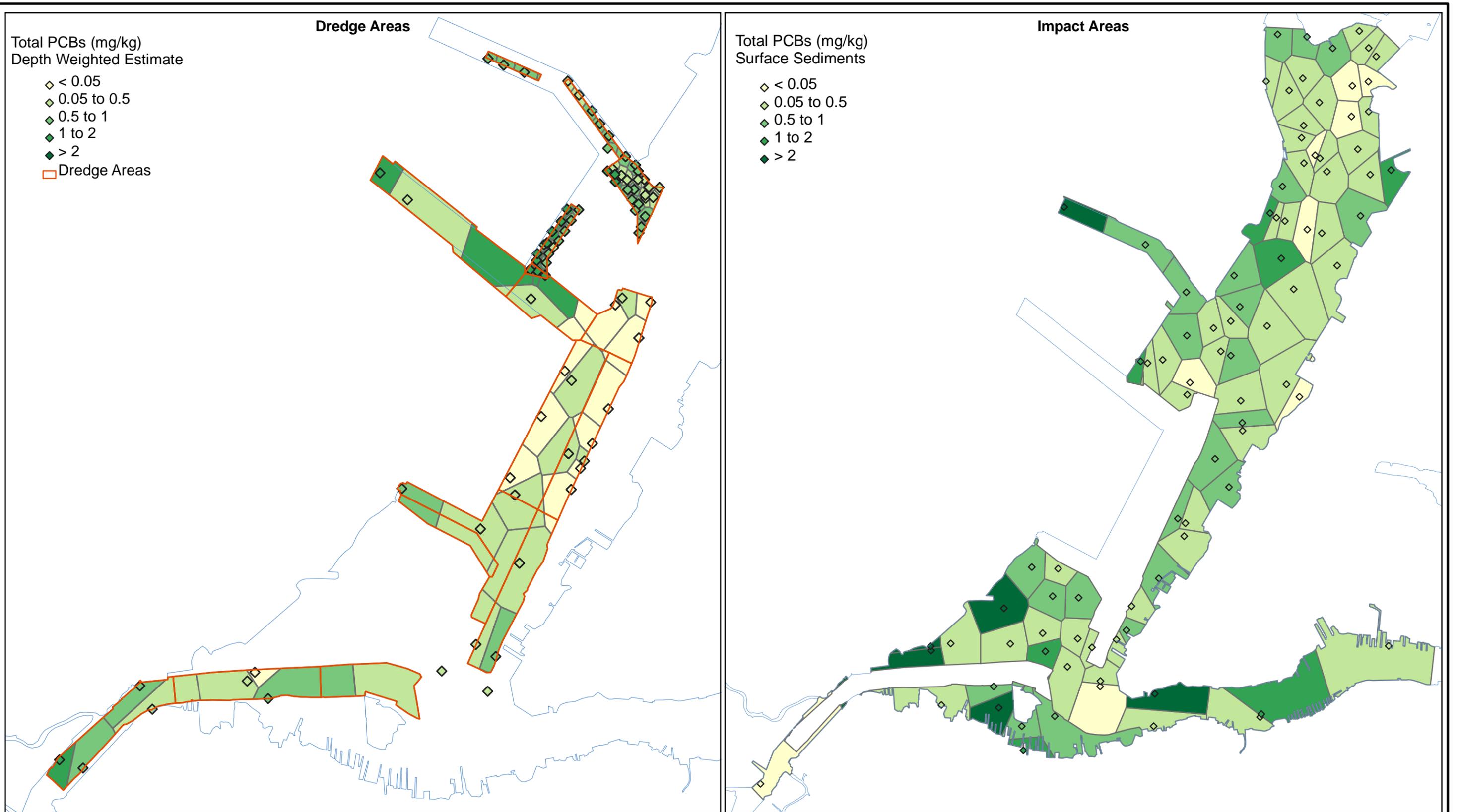


Figure 5-5
Total PCBs in the sediments of Newark Bay under current conditions: Thiessen polygons, cumulative assessment



Figure 5-6
DDTs in the sediments of Newark Bay under current conditions: Thiessen polygons, cumulative assessment



Figure 5-7
Benzo(a)pyrene in the sediments of Newark Bay under current conditions: Thiessen polygons, cumulative assessment

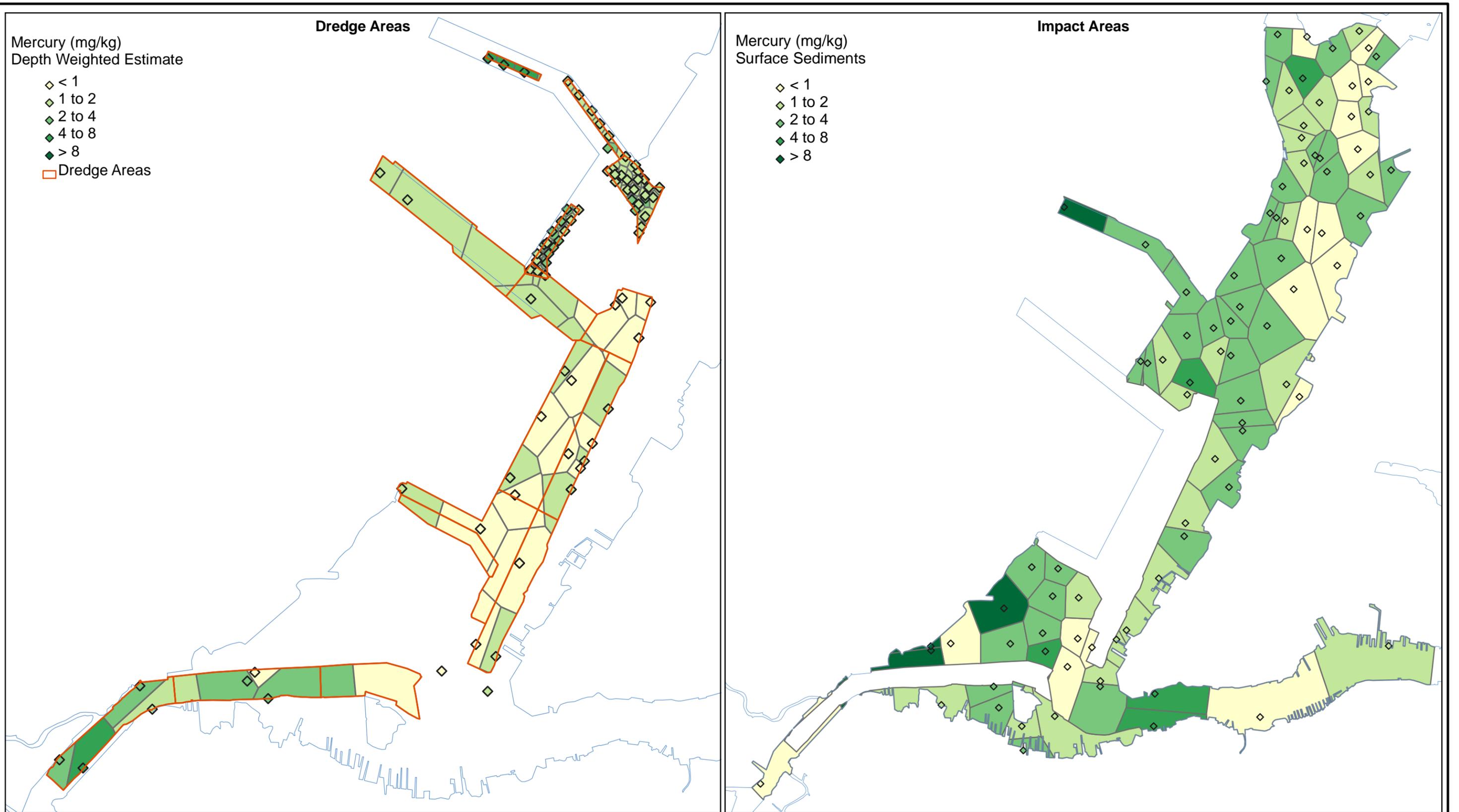


Figure 5-8
Mercury in the sediments of Newark Bay under current conditions: Thiessen polygons, cumulative assessment



Figure 5-9
Chromium in the sediments of Newark Bay under current conditions: Thiessen polygons, cumulative assessment