

APPENDIX 15

Contemporary Dredging Projects Data

- **project listing**
- **application notes**

Contemporary Dredging Projects Data

American Sugar 2011, 2014	Hudson River 2015
Anchorage Channel 2015, SRUC 2012	Kill van Kull SRUCs 2012
Arthur Kill Upland 2012, 2014	Manhattan Cruise Terminal 2015
Arthur Kill ACOE Reach A 2012	Main Channel 2010
Bay Ridge and Red Hook Channels, 2013	Newark Bay ACOE Reach A 2012, SRUC 2012
Red Hook Flats, 2010	Perth Amboy Anchorage 2014
Buttermilk Channel 2008, 2009, 2014	Port Jersey Channel SRUC 2012
Eastchester Creek 2009	Raritan River 2007, 2013, 2013 HARS
East River SBI 2009, 2015	Seguine Point 2007, 2011, R2 ACOE 2011, 2012
East Rockaway Inlet 2016	Wards Point Bend 2007, ACOE Reach 1 2011
Flushing Bay-Creek Upland 2014	

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Dredging Projects Data Use Method

- Working with PDF and spreadsheet files provided by Hudson River Foundation
- Identified a list of initial issues (e.g., projects missing contaminant measurements, uniform coordinate system, etc.). HRF and Simon have been addressing.
- Plotted the measurements in the same format as Post Audit Report time series diagrams for previous and additional model grid cell locations.
- For plotting, total PCBs estimated as twice the sum of the short-list of congeners measured in the dredging projects (for now) per Mark Reiss suggestion.
 - Factor of 2 identified in prior EPA analysis for all media
 - Prior EPA analysis strictly for sediment bed suggests a factor of 2.5
 - Litten analysis of recent years full congener data suggests a factor of 5.6
- Issue of estimating total PCBs from limited congener data to be discussed/resolved with project team
- Factor of 2 is working very well for comparisons to model results!