

**NYS Canal Corporation Updated Navigation Dredging Maps
February 2010**

About the Maps:

The maps were created using a combination of the Canal Corporation’s 2009 bathymetry and GE’s Phase 2 Dredge Areas. The maps display a best estimate of what the Hudson River will look like when GE has completed its project. All sediment volumes displayed on the maps represent navigational dredging that would still need to be completed after remediation. All volumes include a 2-foot “undercut” as customary for Canal Corporation procedures.

Data Sources:

The Canal Corporation 2009 bathymetry was used as the base map, displaying all current navigational needs in the River. All GE Dredge Areas were removed from the maps, leaving a residual volume of navigational dredging. Above Lock C6, GE has developed 3-D dredge prisms for all of the remedial dredging areas. That prism was added back to the maps as an estimate of the final sediment contours at the end of remediation. Below Lock C6, GE has not yet developed 3-D dredge prisms. In those areas, these maps conservatively assume that GE will remove all sediments to the full depth of the navigation channel. These maps also do not include any estimate of the Fort Edward Yacht Basin and Approach Channel. Those areas were dredged by GE in Phase 1 beyond the design prism and will be surveyed by the Canal Corporation in 2010.

Primary Findings:

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|---|---------|
| Estimate of Current Navigational Dredging Needs (cy): | 721,201 |
| Estimated Volume to be Addressed During Remediation (cy): | 92,514 |
| Estimated Navigational Dredging After Remediation (cy): | 628,687 |

| Pool | Current Needs (cy) | Addressed By Remediation (cy) | Post-Remediation Needs (cy) | Percentage Addressed by Remediation |
|--------------|--------------------|-------------------------------|-----------------------------|-------------------------------------|
| C6 to C7 | 167,686 | 71,242 | 96,444 | 42% |
| C5 to C6 | 90,586 | 19,769 | 70,817 | 22% |
| C4 to C5 | 154,843 | 1,094 | 153,749 | <1% |
| C3 to C4 | 149,863 | 61 | 149,802 | <1% |
| C2 to C3 | 45,562 | 348 | 45,214 | <1% |
| C1 to C2 | 41,437 | 0 | 41,437 | 0% |
| Jct to C1 | 71,224 | 0 | 71,224 | 0% |
| Total | 721,201 | 92,514 | 628,687 | 13% |