Champlain Canal Navigation Dredging Needs





What is the New York State Canal Corporation?

The New York State Canal Corporation, a subsidiary of the New York State Thruway Authority, is responsible for the maintenance, operation, and promotion of the historic 524-mile New York State Canal System.

The New York State Canal System is comprised of the Champlain, Erie, Oswego, and Cayuga-Seneca Canals.

Champlain Canal Background

- 63 Miles Long, from Waterford to Whitehall
- 11 Locks
- Originally Built in 1820s; Modern Canal Opened in 1913
- Follows the Hudson River from Waterford to Fort Edward
- Lock 7 Connects the Hudson River to the Man-Made Channel in Fort Edward
- Follows the Man-Made Channel from Fort Edward to Whitehall

Navigation Dredging History

- 1970s Last Major Dredging Operations in Hudson River
- Maintenance Dredging in Hudson River Halted Due to PCB Contamination
- Limited Dredging Conducted Below Lock 4 in 2002, 2006, and 2007.
 - This Location is at the Mouth of the Hoosic River and is Relatively Clean Material

Navigation Dredging

 The Canal Corporation is Required Under its Regulations to Maintain a Minimum 12-Feet Deep Navigation Channel

 Channel Width Depends on Whether Canal is in the River or the Man-Made Channel

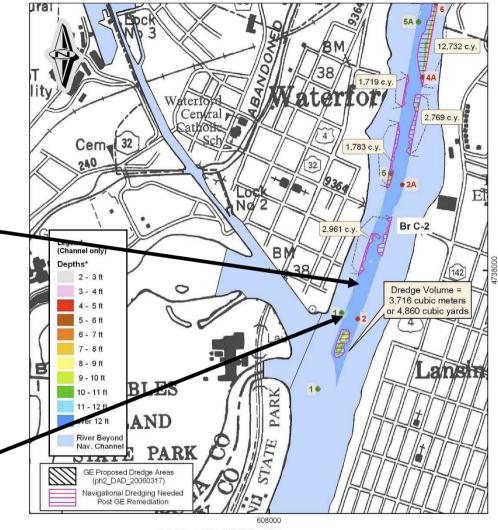
Navigation Dredging Maps

 The Maps You Have Were Developed By NYS Canal Corporation and the Office of the Attorney General

 Bathymetry is from 2005 Canal Corporation Survey Dark Blue Line Represents the Navigation Channel

Red and Green
 Dots are Buoys

(Page 1)



Grid: Meters, UTM, NAD83, Zone 18N Location: Troy North 7.5 min. Quadrangle

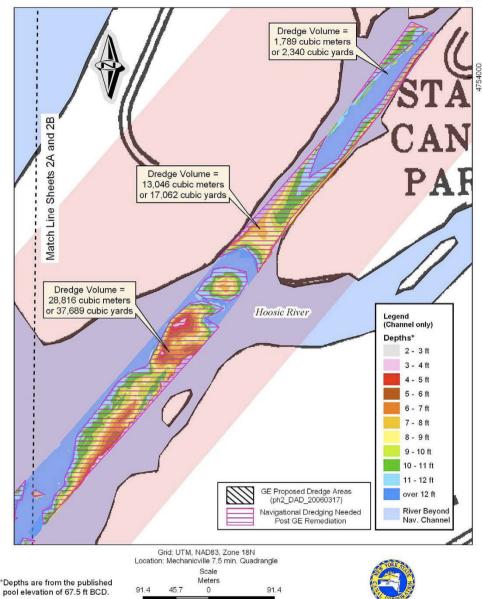
| | | Scale Meters | |
|-----|-----|-----------------|-----|
| 244 | 122 | 0 | 244 |
| 800 | 400 | 0 | 800 |
| | | Feet | |

*Depths are from the published pool elevation of 15.2 ft BCD.

Total Dredge Volume this sheet = 20,509 cubic meters or 26,824 cubic yards,



2005 Dredge Chart
New York State Canal Corporation
Albany Division, Section 1
Troy to Lock C1, Sheet 1



Total Dredge Volume this sheet = 43,651 cubic meters or 57,091 cubic yards Total Dredge Volume this level=109,211 cubic meters or 142,838 cubic yards

2005 Dredge Chart New York State Canal Corporation Albany Division, Section 1 Lock C3 to Lock C4. Sheet 2B

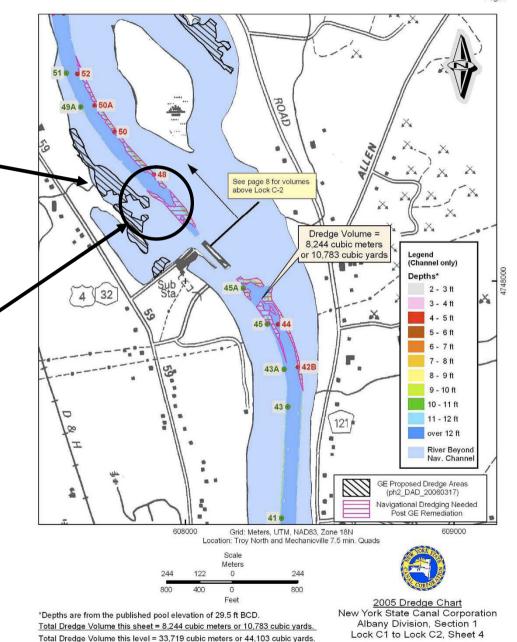
Rainbow Colors Indicate Areas That Require **Navigational Dredging (Any Areas With Less** Than 12 Feet Depth)

 Red Hatches **Indicate Dredging Needs That Will** Not Be Addressed by GE

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 Black Hatches Indicate Areas That Will Be Dredged By GE

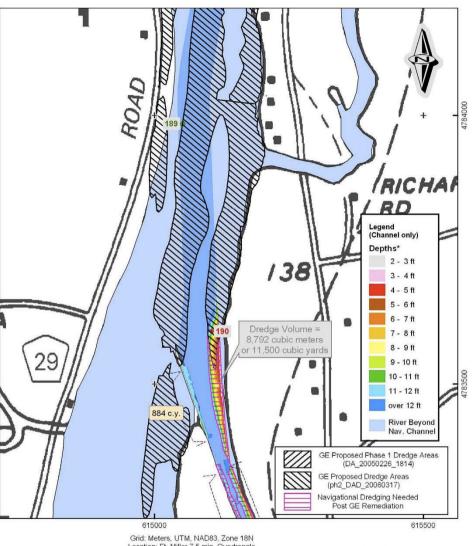
Remedial
 Dredging and
 Navigational
 Dredging Do Not
 Always Overlap



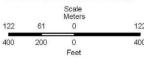
(Page 7)

- Some Navigational **Dredging Needs Will** be Addressed While Others Will Not
- Volume Estimates Include The Entire Rainbow Volume; **GE** Dredging **Volumes Are Not** Subtracted

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Location: Ft. Miller 7.5 min. Quadrangle



*Depths are from the published pool elevation of 119.0 ft BCD. Total Dredge Volume this sheet = 9,468 cubic meters or 12,384 cubic yards.



2005 Dredge Chart New York State Canal Corporation Albany Division, Section 1 Lock C6 to Lock C7. Sheet 5

Questions?

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