

Hudson River
PCBs SUPERFUND SITE



**Hudson River PCBs Superfund Site
2012 Dredging Season Project Update
December 11, 2012**

2012 Dredging Summary



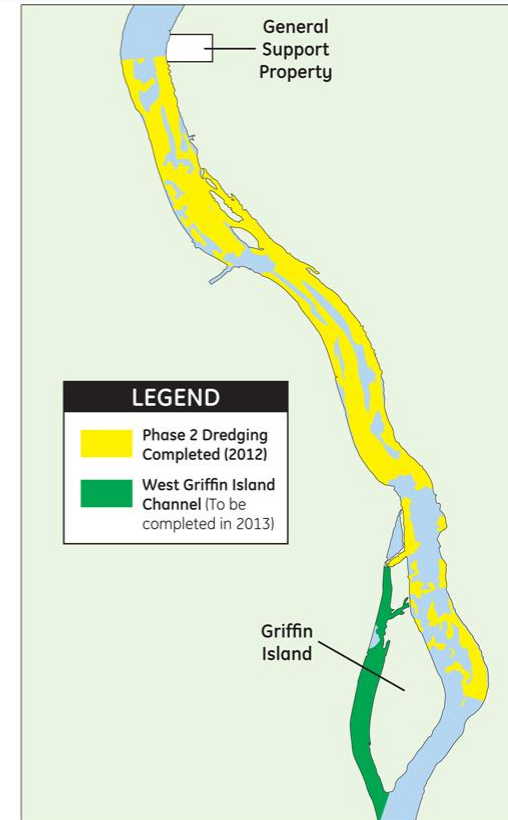
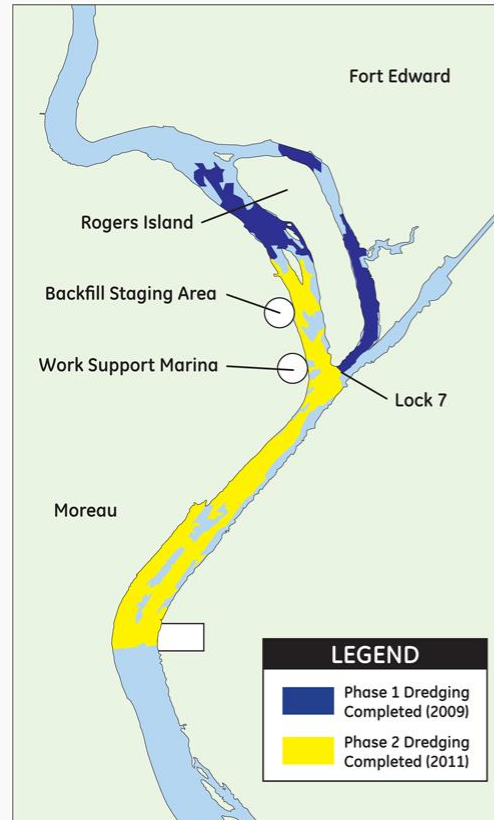
- Dredging occurred between May 9 to November 17, 2012
- Dredging completed in CUs 26 – 48
 - Dredging partially complete in CUs 50 – 54 (will resume in 2013)
- Backfilling / capping operations completed December 7, 2012
- Removed more than 663,000 cubic yards (C.Y.) of sediment from 23 Certification Units (CUs)
- Continued compliance with Engineering Performance Standards and Quality of Life Performance Standards



Productivity Summary



- In 2012 season, more than 663,000 C.Y. of sediment was removed (design target was 350,000 C.Y.)
 - Approx. 26,000 +/- C.Y. dredged per week
 - Dredged approx. 118 acres
- More than 1.3 Million C.Y. of sediment has been removed to-date.



2012 Habitat Reconstruction



- Harvested SAV from NYSCC Feeder Canal
- Planted four CUs in 2011 dredge areas
 - 1.9 acres of SAV; 0.36 acres of RFW
 - Reduced scale / modified approach from 2011
- Plants placed by divers and waders using dive platform with support vessels
- Continued monitoring of plants installed in Phase 1 areas
- 2012 dredge area habitat design underway

Resuspension Summary



- Resuspension:
 - No exceedances of 500 ng/L PCB concentration standard (5 out of 7 day criteria)
 - Single values > 500 ng/L occurred on four separate occasions at Lock 5 (Schuylerville)
 - No exceedances of PCB load standard

Residual Summary



- 1 ft. backfill layer placed in all areas dredged
- In some locations, capping of river sediments is necessary
- Phase 2 Residual Engineering Performance Standard specifies a limit on the extent of capping that is allowed:
 - Counted Area Capped to Date: 4.90% (11% allowable)
 - Counted Area with “Inventory” Capped to Date: 0.16% (3% allowable)
 - Non-Counted Area Capped to Date: 4.81% (Not Tracked per Residual Standard)
- Minimize capping within the Navigation Channel
 - Some capping of residuals in bedrock areas necessary (27 nodes)



Quality of Life Performance Standards



- Air Quality of Life Performance Standard exceedances:
 - Processing Facility
40 Air QoL Standard Level Exceedances (approx. 7.2% of samples)
 - Dredge Corridor
81 Air QoL Standard Level Exceedances (approx. 3.6% of samples)
- Noise, Odor, Light or Navigation QoL
 - No Exceedances
 - Continued outreach to nearby residents
 - Complaints followed-up on by GE and EPA



Processing Summary

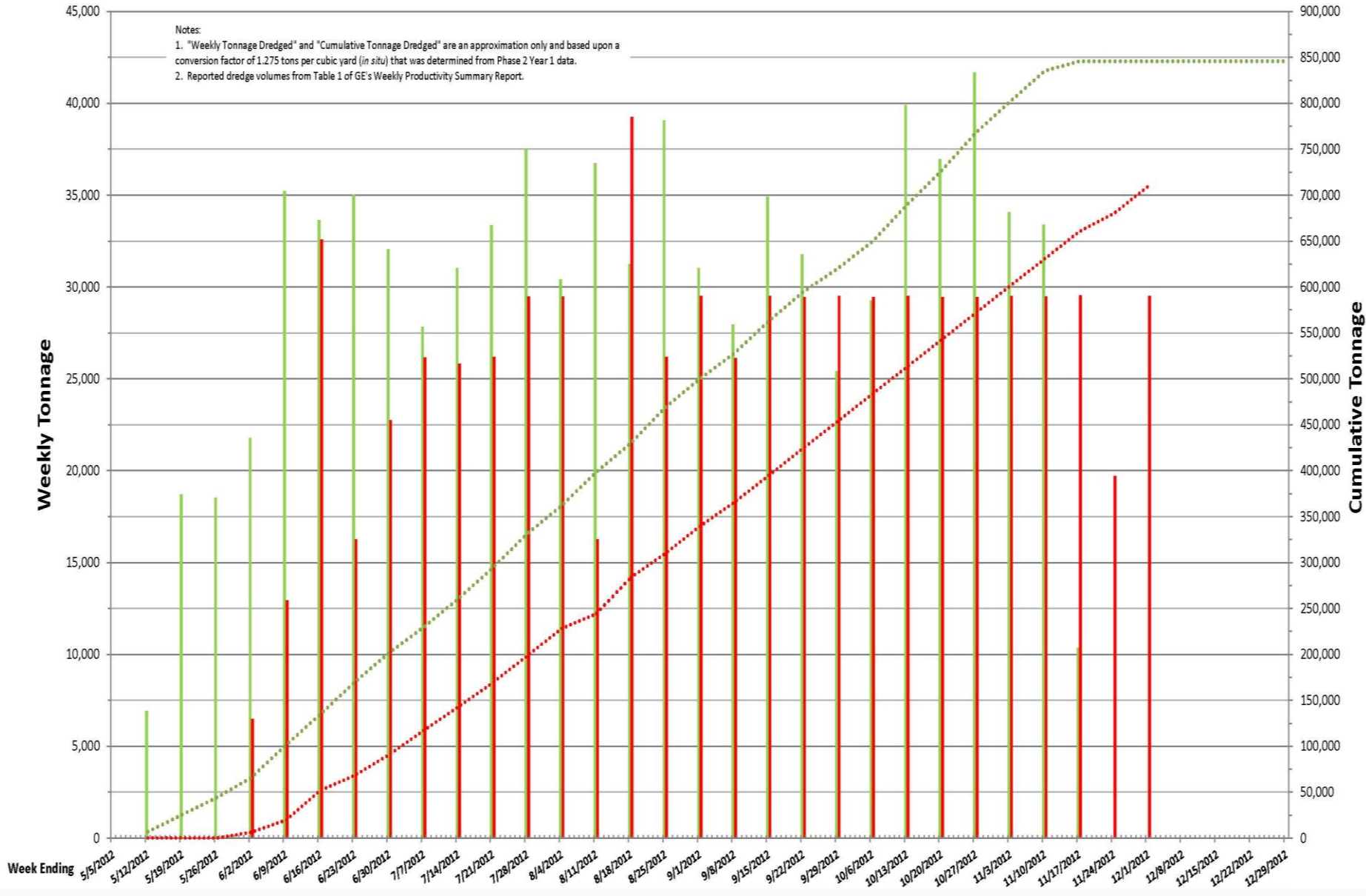


- 1,270 barges unloaded
- > 735,000 tons of material shipped off-site as of December 9
- 80 trains shipped since May 31 (anticipate 85 trains total)
 - Shipping began two months earlier than 2011
- On schedule to have all sediments off-site by end of year
- More than 350 million gallons of process water treated



Comparison of Weekly Tonnage Dredged and Shipped Off-Site (2012)

Updated: 12 / 5 / 2012
Updated By: M. Surette





2012 / 2013 Off-Season Activities



- Completion of off-site sediment disposal
- In-river equipment demobilized / secured
- Processing Facility maintenance
 - Clean and winterize processing equipment
- Update to 2012 project documents, including:
 - Community Health and Safety Plan
 - Remedial Action Work Plan
 - Design documents



2013 Dredging Season



- Adaptive management adjustments based upon “lessons learned” in 2012
- Resume dredging operations in WGIA (CUs 50- 54)
- Continue main-stem of the river (CU 49)
- Design Target for Removal: 350,000 C.Y.
- Initiate dredging in River Section 2
 - Engineering challenges (near dams, land-locked area, etc.)
 - Additional down river support facilities needed



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