

# The Upper Hudson River Dredging Project Update



EPA Community Advisory Group  
June 26, 2014



# 2014 Dredging Review — Main-Stem

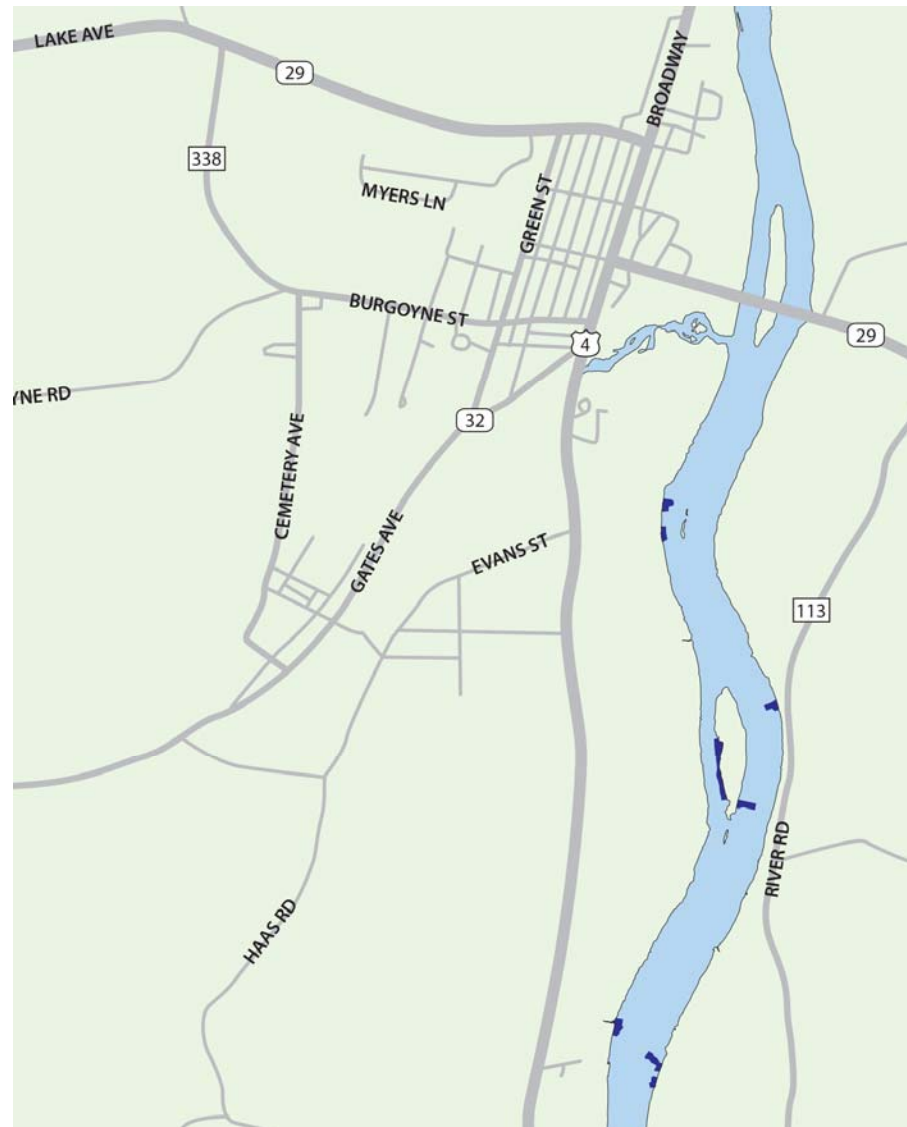
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- > Fifth season of dredging
- > Activities performed May-November (depending on weather and river flow)
- > Schuylerville to Stillwater
- > Longer transport distances between dredging and processing locations
- > 24/6 work schedule
- > On-going habitat restoration program



# Main-Stem Dredge Areas: Schuylerville

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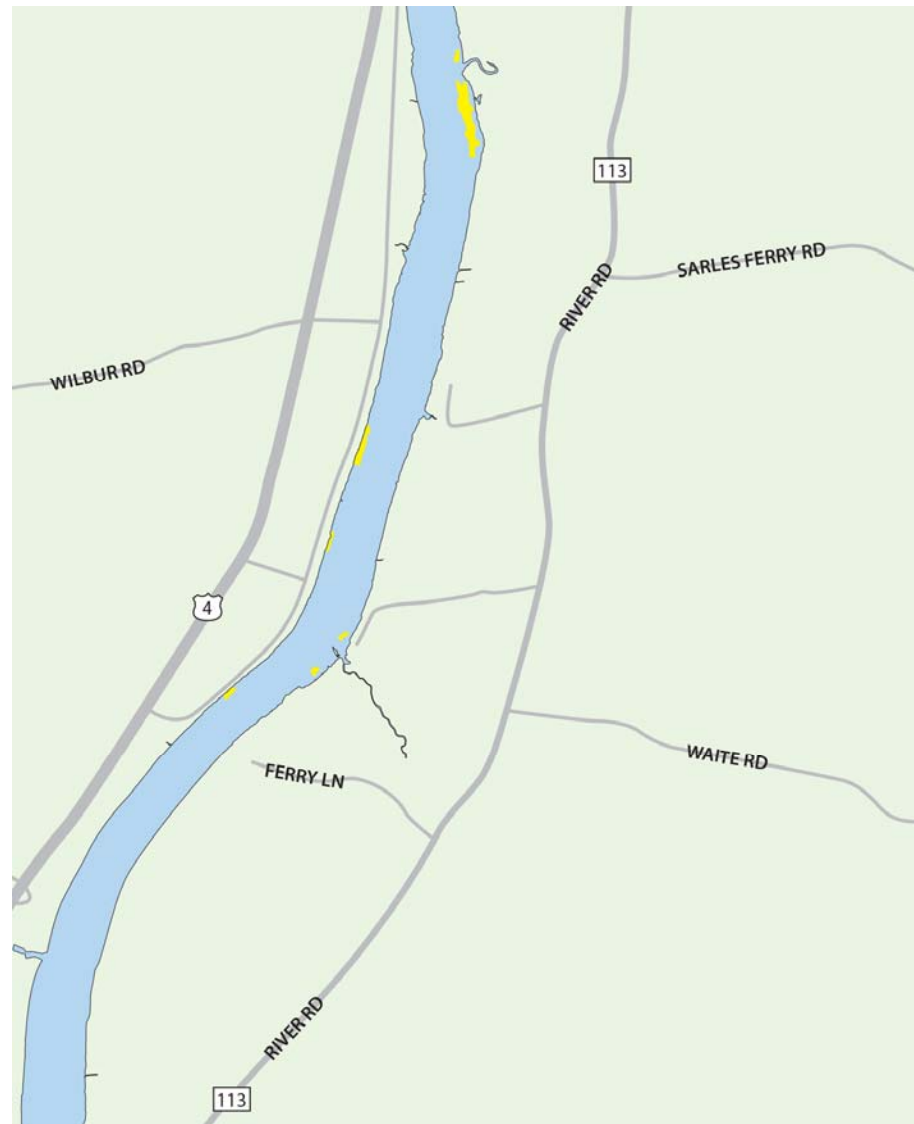
# Main-Stem Dredge Areas: Coveville

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# Main-Stem Dredge Areas: South of Coveville

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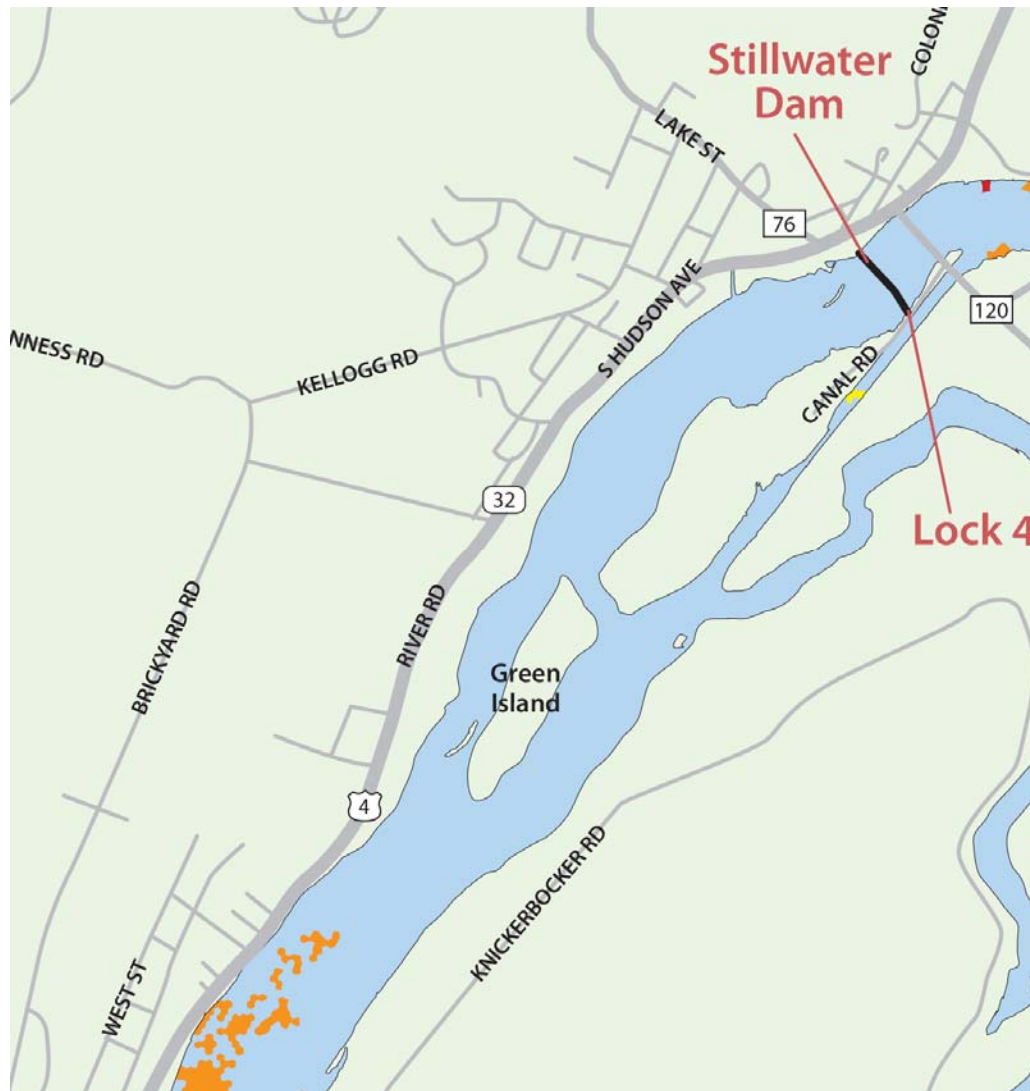
# Main-Stem Dredge Areas: Saratoga

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# Main-Stem Dredge Areas: Stillwater



# Main-Stem Operations

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- > Dredging began May 7, 2014
  - 7 weeks completed
- > 4-5 dredges operating, with 20 tugs, 20 hopper barges
- > Dredged approx. 133,000 cubic yards through June 21, 2014
  - Approx. 25 acres dredged
- > 2-3 backfill rigs, 8 material barges
- > Placing backfill in approx. 8 acres
- > Capping percentages below specified limits





# Main-Stem Support Properties

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- > Saratoga Backfill Loading and Staging Area
- > Route 4 crew parking area
- > Crew parking at various marinas and private property
- > Identifying additional crew parking and barge loading locations for southern dredge areas



# 2014 Habitat Planting

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- > RFW planting in Thompson Island Pool, Northumberland Pool and Stillwater Pool
  - Started June 4, 2014; 10-12 weeks of planting
  - Target: 185,000 plants in 18 acres
  - 2.64 acres, 29,000 plant units to date
  - 2.49 acres seeded to date
  
- > SAV planting in Thompson Island Pool, Northumberland Pool and Stillwater Pool
  - Started June 17, 2014; 8-10 weeks of planting
  - Target: 210,000 plants in 20 acres
  - 1.96 acres, 19,000 plant units to date



# 2014 Habitat Planting

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- > River flows affected start of planting and continues to cause intermittent delays
- > Plants obtained from local sources and regional commercial sources



# Monitoring Update

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## Water

- > No Total PCB standard level exceedances to date (213 samples)
- > PCB Load at Waterford below 14-day standard

## Air

- > PCBs in air detected above residential air standard on one occasion in river corridor (473 samples)
  - Levels decreased below standard by next sampling event
- > Best management practices include:
  - Moving dredge operations between high- and low-concentration areas
  - Cover higher-concentration sediments with water
  - Tracking, prioritizing barges with higher-concentration sediments for transport, unloading and processing



# Facility Operations Update

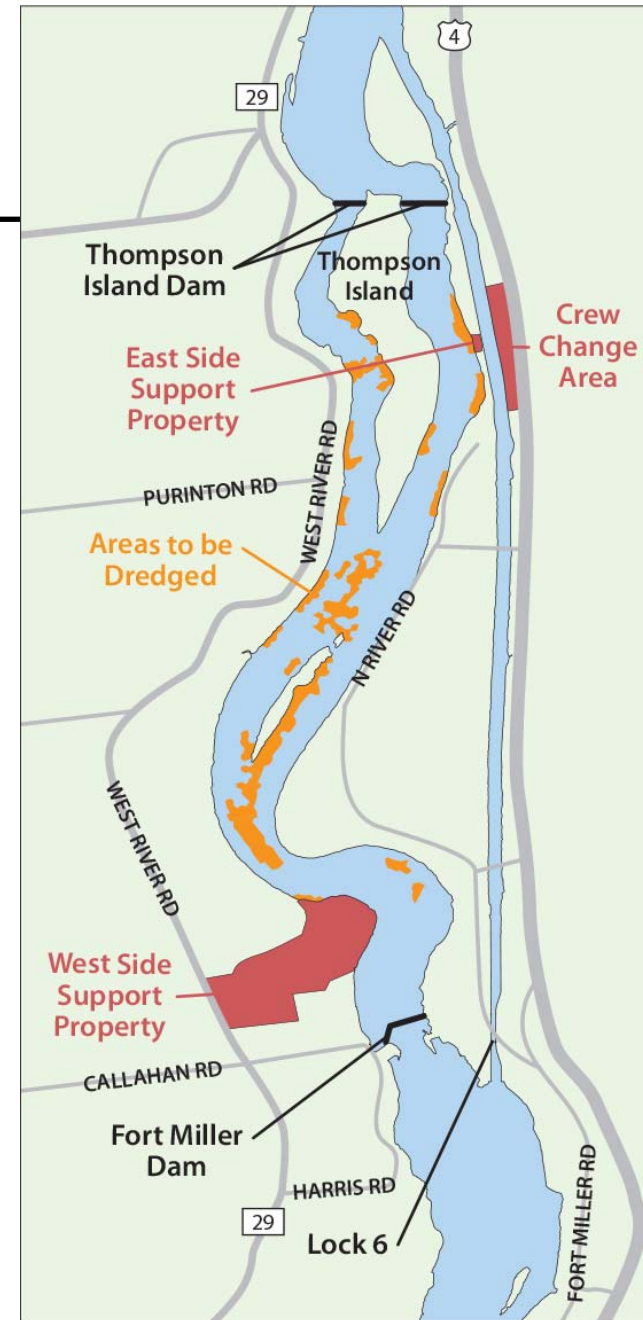
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- > 24/6 operations
- > Unloaded more than 200 barges to date
- > North and south unloading wharfs fully operational
- > More than 2,500 filter press drops to date
- > Rail car shipping began June 13, 2014 (93-car unit trains)
- > Material shipped to EPA-approved disposal facilities in Oklahoma and Ohio
  - Approximately 50,000 tons of material shipped to date



# Dredging in Inaccessible Area Between Dams

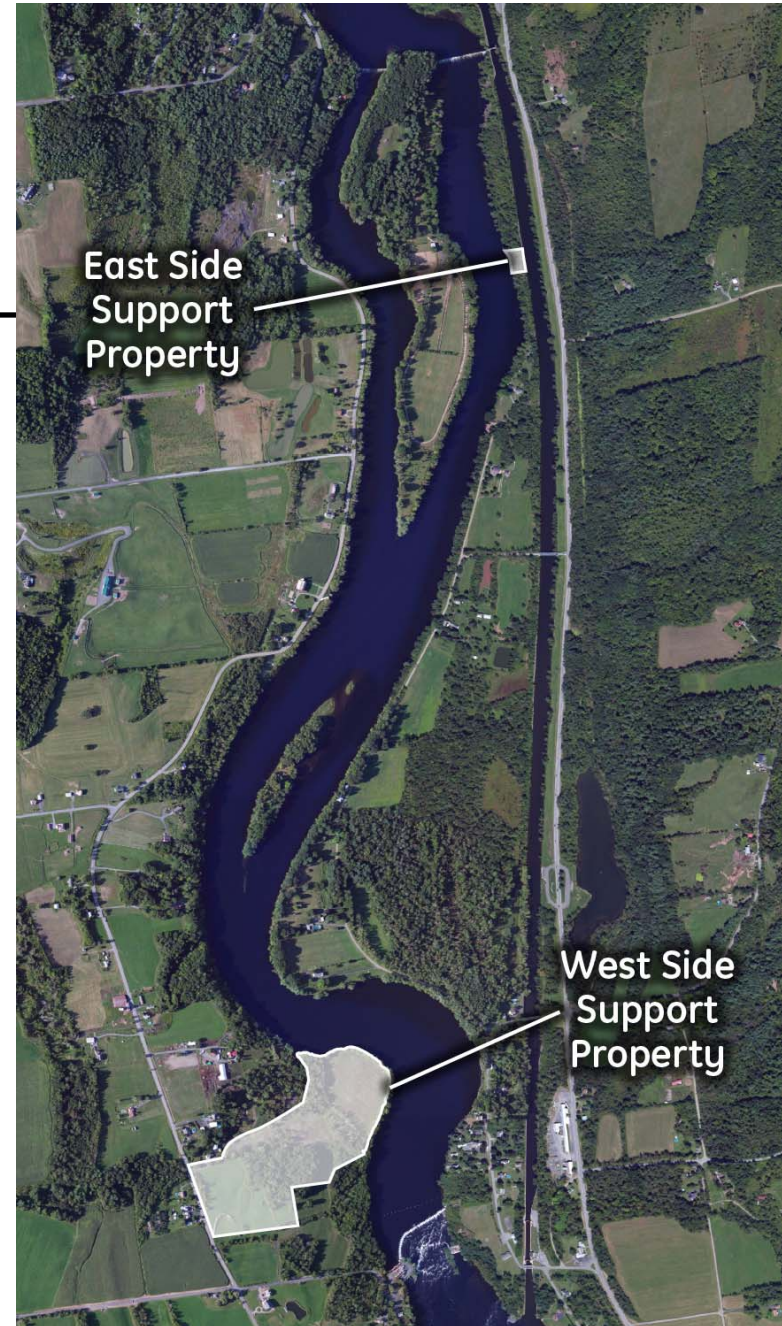
- > Dredging of approx. 160,000 cubic yards in 29 acres
- > Backfill/capping following dredging
- > Habitat reconstruction (one season after dredging)
- > Targeting start of dredging in early July





# Location of East and West Shoreline Support Properties

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# East Side Support Property

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- > Constructed during winter when Champlain Canal was closed
- > Property is fully developed and ready for operations
- > Transload sediments from barges in river to barges in canal
- > Lined bin and stormwater containment



# Development of West Side Support Property

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- > Stage operations for dredging
- > Stage and load backfill materials
- > Driveway and staging area construction underway
- > Mobilization of equipment and construction of platforms and barges
- > Placing equipment in river





# Development of West Side Support Property

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# Questions

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