



NEW JERSEY WATER SUPPLY AUTHORITY

Dredging of the Delaware and Raritan Canal from Kingston Lock to Amwell Road



Introductions

- New Jersey Water Supply Authority
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- Urban Dredging Consultants Joint Venture
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- ACT Engineers
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- Other Team Members
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 - › CLE Engineering



Agenda

- Introductions
- Primary Objective, Goals and Critical Elements
- Technical Approach
- Project Scope of Work
- Public Participation Program
- Schedule
- Open Discussion

Primary Objective, Goals and Critical Elements

■ Project Objective

- ▶ Remove an estimated 250,000 cubic yards of sediment from the canal in order to restore its flow capacity

■ Project Goals

- ▶ Protect the historical significance of the Canal
- ▶ Maintain technical quality

■ Critical Project Elements

- ▶ Develop dredging plan acceptable to stakeholders
- ▶ Focused outreach to public officials and stakeholders



Technical Approach

- Technical approach dictated by:
 - › Project work area (D&R Canal State Park)
 - › Cultural and recreational significance of the canal
 - › Numerous stakeholders
 - › Use of canal for source water
 - › Visibility of proposed dredging work
 - › Dredge design must be implementable and constructible



Scope of Work

- Landside and bathymetric survey
- Field sampling program and dredged material characterization
- Evaluation of site access and available staging areas
- Evaluation of dredging and dewatering technologies
- Evaluation of dredged material disposal options
- Environmental studies and environmental assessment
- Design of selected dredging technology and permitting
- Construction administration



Public Participation Program

- Due to the nature of the project, the Authority will be implementing a proactive public participation program to reach out to affected stakeholders including:
 - › State agencies
 - › County and municipal officials,
 - › Local businessmen and residents,
 - › Civic associations and business groups
 - › Non-governmental organizations
- Descriptive material and flyers will be developed, and presentations made throughout the life of the project to inform stakeholders
- Three public official briefings and three public participation meetings will be conducted
- Press releases and website information will also be provided throughout the life of the project

Project Schedule

- Complete evaluation of dredging methodology – December 2010
- Complete Design of selected dredging method – July 2011
- Secure necessary funding for dredging – November 2012
- Dredging duration - One to two construction periods



QUESTIONS?



THANK YOU

