

**Dredged Material Assessment and Management Seminar  
Holiday Inn Capitol Plaza  
Sacramento, CA  
15-17 April 2008**

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**Tuesday 15 April 08**

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Welcome  
Navigation and Regulations  
Overview of Dredging and Dredged Material Disposal  
Risk Management in the Dredging Program  
**BREAK**

**Aquatic Placement: Assessment and Management**  
Dredged Material Evaluation and Testing Overview  
Problem Formulation and Conceptual Model Development  
**LUNCH**

Water Column Exposure and Effect Pathways  
Benthic Exposure and Effect Pathways  
Bioaccumulation Pathways

**BREAK**  
Open Water Site Management and Controls  
Dredged Material Fate Models  
Capping of Dredged Material  
Modeling Tools Demonstration

Evening Session

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**Wednesday 16 April 08**

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**Upland Placement: Assessment and Management**  
Sustainable Mgmt of CDFs and Pathway Assessment  
Effluent, Leachate, Runoff  
Volatiles  
Bioaccumulation

Contaminated Sediment Treatment Technology  
Beneficial Uses of Dredged Material  
Upland Management and Reuse in SPK  
Introduction to DOTS

Discussion

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**Dredging Operations and Environmental Research Overview**

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Dredged Material Management

- PTM/dredging source term model
- SMS dredging toolbox
- CDF sustainability

Environmental Resource Protection

- Risk-informed environmental windows
- Determinants of risk for Sturgeon species
- Resolving bird habitat conflicts with O&M projects

Operations Technologies

- Overdepth dredging and characterization
- Silent Inspector dredge monitoring system
- Fluid mud/residuals and surveying

Risk

- Surrogate devices for measuring bioavailability
- Contaminant bioaccumulation modeling
- Contaminant release and transport during dredging

Poster and Networking Social

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Thursday 17 April 08

**Analysis and Management of Risks from Dredged Material Resuspension**

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Introduction to Dredging Resuspension Issues  
Addressing Resuspension Risks as a Decision Problem  
Risk Analysis and its Application to Resuspension  
Problem Formulation: Endpoints and Conceptual Models

**Exposure Processes and Assessment**

Dredged Material Fate Modeling  
Data Requirements/Field Studies

**Effects Processes and Assessment**

Effect Process and Data

- Relevant receptors and pathways
- Data needs and uses

**Risk Characterization**

Projecting risks and addressing uncertainties

**Risk Management**

Dredging and Placement Methods  
Risk-informed use of seasonal restrictions  
Monitoring and Adaptive Management

**Case Studies**

New York District

Providence River

Discussion/Conclusion/Wrap-Up

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