Thin Layer Placement of Dredged Material – A Web-Based Repository of Resources and Case Studies

Reference Slides

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Environmental Laboratory
31 August 2015 at 1:00PM CDT



TLP Website

https://tlp.el.erdc.dren.mil/



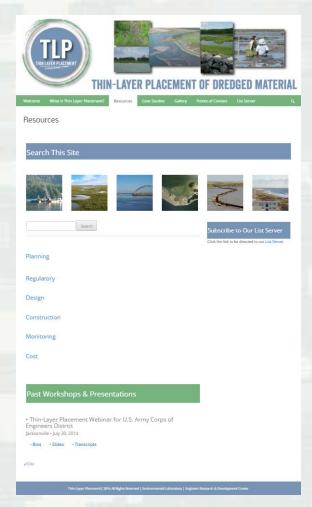
Current features:

- Relevant literature
- Case studies fact sheets, photo galleries, map-based database and project documentation/data
- Event tracker
- List server
- Contributor portal



TLP Website - Resources

- ~200 resources
- Search by relevance
- Resources summaries
 - ▶ How does it apply?
 - ▶ What you will find here?
- Quick category searches
 - Organized by project stage
- Workshops and presentations









TLP Website - Resources



Wetlands Engineering Handbook

■ August 21, 2016 & TLP Ø Edit

Authors: Hayes, D. F., Olin, T. J., Fischenich, J. C., and Palermo, M. R.

Year: 2000

Reference: Hayes, D. F., Olin, T. J., Fischenich, J. C., and Palermo, M. R. (2000). "Wetlands Engineering Handbook," ERDC/EL TR-WRP-RE-21, U. S. Army Engineer Research and Development Center, Vicksburg.

Summary: This handbook discusses engineering procedures for establishing necessary hydrologic conditions, geotechnical design, and soils handling for site modification, selecting appropriate vegetation and planting schemes, and establishing substrate conditions conducive to the desired functions. Soil handling includes: loosening or compaction to control soil density, protection of the soil structure, and creating layers with scarification techniques. Substrate conditions include: texture, structure, density, compaction, fertility, salinity, pH, and permeability. The document also discusses baseline assessments of existing site conditions, monitoring strategies to determine long-term success, and contracting considerations.

What You Will Find Here: Planning p. 1-iii, Site Investigation p. 2-iii, Design p. 3-iii, p. 4-iii, p. 5-iii, p. 6-iii, Construction p. 7-iii, Monitoring p. 8-iii,

Link: http://www.csu.edu/cerc/researchreports/documents/WetlandsEngineeringHandbookUSACE2000.pdf

← Previou

Evaluation of Regional Sediment Management Actions Using Government Shallow Draft Dredges

Next → Laguna Madre

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TLP Website – Case Studies

- ~21 case studies
- Factsheets
 - ▶ Background
 - Project Description
 - ▶ Findings
 - ▶ References
 - Agency/company logo and authorship
- Project Gallery



More extensive info available in Map-Based Portal...!







TLP Website - Case Studies

Project Summary



Factsheet



Gallery





U.S. Fish & Wildlife Service - 2015 Cooperative Recovery Initiative Grant
California Coastal Conservancy Grant
Orange County, OC Parks - Sediment and Application Contract
California Department of Fish and Wildlife - Greenhouse Gas Reduction Program
U.S. Army Corps of Engineers - Ecosystem Management & Restoration Research Program





