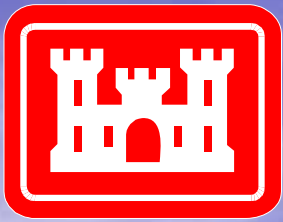


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Boardman River Dams Feasibility Study

January 2008 Update to BRDC

Carl A. Platz, P.E.
Project Manager
U.S. Army Corps of Engineers

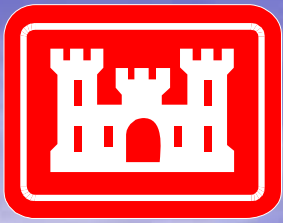


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Boardman River Dams Feasibility Study FY08 Funding

FY08 FUNDING SITUATION:

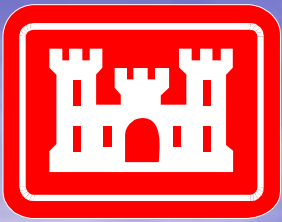
- FY08 Omnibus bill included \$936K for GLFER program
- GLFER funds are shared by approximately 8 currently active projects throughout the Great Lakes, of which the Boardman Dams project is a relatively high priority
- FY08 funds projected to be available for use on Boardman equate to \$175K



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Boardman River Dams Feasibility Study 2008 Work Efforts

- **2008 work efforts are expected to include work in the following areas:**
 - **Identification of Environmental Objectives**
 - **Alternative Formulation and Evaluation**
 - **Hydraulics and Hydrology**
 - **Conceptual design of alternatives**
 - **Project Management**

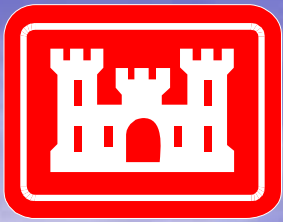


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Boardman River Dams Feasibility Study Potential FY08 Work

Plan Formulation Activities:

- Work with local interests to better define environmental objectives of the study and identify applicable constraints.
- Review inventory data and forecast expected future environmental conditions.
- Develop a suite of management measures (site specific actions) that can help reach environmental objectives.
- Use management measures to develop project alternatives.

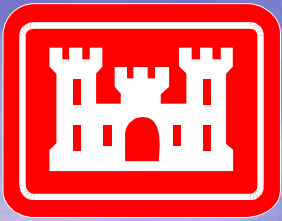


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Boardman River Dams Feasibility Study Potential FY08 Work

Environmental Coordination Activities:

- Evaluate adequacy of existing environmental information for NEPA compliance (initial outline of EIS)
- Publish a Notice of Intent for EIS in the Federal Register
- Evaluate adequacy of sediment quality data
- Develop scopes of work for required archeological surveys
- Develop scope of work for USFWS Coordination Act letter report upon preparing a reasonable set of alternatives
- Initiate Phase I HTRW study

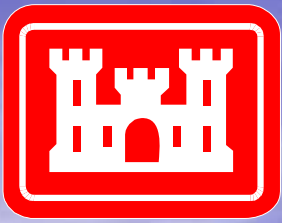


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Boardman River Dams Feasibility Study Potential FY08 Work

Hydraulic Modeling:

- Finalize model of existing conditions
- Commence model of proposed conditions

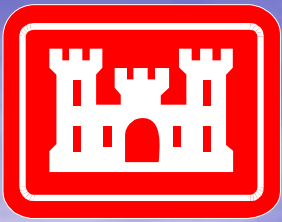


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Boardman River Dams Feasibility Study Potential FY08 Work

Sediment Fate and Transport Studies:

- Quantify sources of sediment to the river from:
 - Tributaries (partially complete)
 - Banks
 - Overland runoff (partially complete)
- Complete flow duration curve
- Develop model parameterization for alternative scenarios, (i.e. how much sediment will be created and from where for each of the scenarios)
- Create and calibrate a "Sediment Impact Analysis Methods" (SIAM) model
- Complete geomorphology report

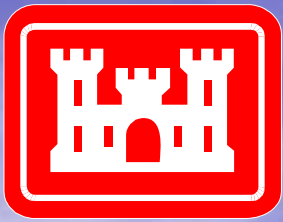


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Boardman River Dams Feasibility Study Potential FY08 Work

Engineering Analysis of identified options:

- Prepare conceptual design of considered alternatives
- Prepare conceptual plans for potential Wetland Impact/Restoration (as necessary)
- Prepare Site Layout drawings for alternatives
- Estimate preliminary construction and O&M Costs
- Prepare Value Engineering (VE) study
- Prepare Engineering Appendix for Detailed Project Report



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Questions?

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