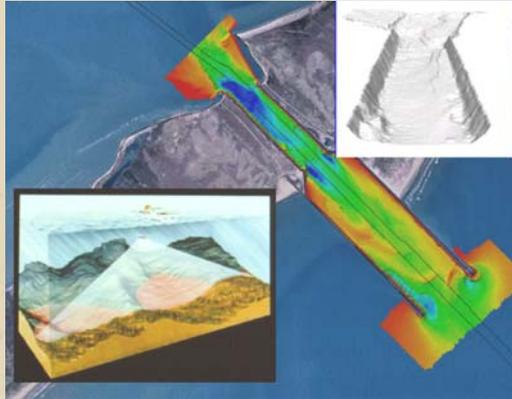




## Corps-Dredging Industry Partnership Hydrographic Survey



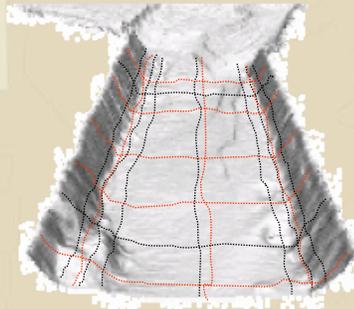
Anthony Niles  
Engineer Research and Development Center  
Alexandria, Virginia



## Corps-Dredging Industry Partnership Hydrographic Survey



**Issue:** Longitudinal survey lines and sparse cross-sections used to certify dredged channel



**Next Step:** Dialogue with district to determine reason for survey approach; encourage more common format with more cross-sections.



## Corps-Dredging Industry Partnership Hydrographic Survey



**Issue:** Long turn-around time for after-dredge survey and data processing, producing idle time for dredge.

**Corps Surveyors Suggestion:** Preliminary results produced and available within 24 hours of completion of survey.

**Dredgers Suggestion:** Corps survey expert onboard and monitoring dredge or 3<sup>rd</sup> party survey boat to certify survey.

**Next Step:** Further discussion needed with Corps surveyors.



## Corps-Dredging Industry Partnership Hydrographic Survey



**Issue:** Surveys as old as 30 months provided to contractor to estimate dredging job.

**Next Step:** Dialogue with districts to determine reasons for old surveys; lack of funds, unavailable personnel, other.

**Issue:** Improper application of Survey Manual in contract specifications and acceptance of dredge results.

**Next Step:** Memorandum to Corps districts advising that Corps surveyors be included in review of contract specifications and be present at pre-construction meetings.



## Corps-Dredging Industry Partnership Hydrographic Survey



### Hydrographic Survey Engineer Manual

Original Plan: Workshop at the U.S. Hydro Conference, May 2007.

New Plan: Collaboration via email and download of Word documents;

- Chapter 3: Accuracy Standards, QC/QA
- Chapter 9: Single Beam Depth Measurements
- Chapter 14: Dredge Support Surveys
- Chapter 21: Depth Measurement Over Irregular or Unconsolidated Bottoms
- Chapter 4: Survey Accuracy Estimates for Dredging and Navigation Projects
- Chapter 11: Multibeam Depth Measurements
- Chapter 15: Dredge Measurement and Payment Volume Computations
- Chapter 22: Contracted Survey Specifications And Cost Estimates



## Corps-Dredging Industry Partnership Hydrographic Survey



### Hydro Survey Community of Practice

Next meeting; October 29 – November 2, 2007

Trump Marina Plaza, Atlantic City, NJ

- *Participation by dredging and survey contractors sought*