

Protecting People and the Environment

Draft Interim Staff Guidance on Surge and Seiche for Use in Recommendation 2.1 Evaluations

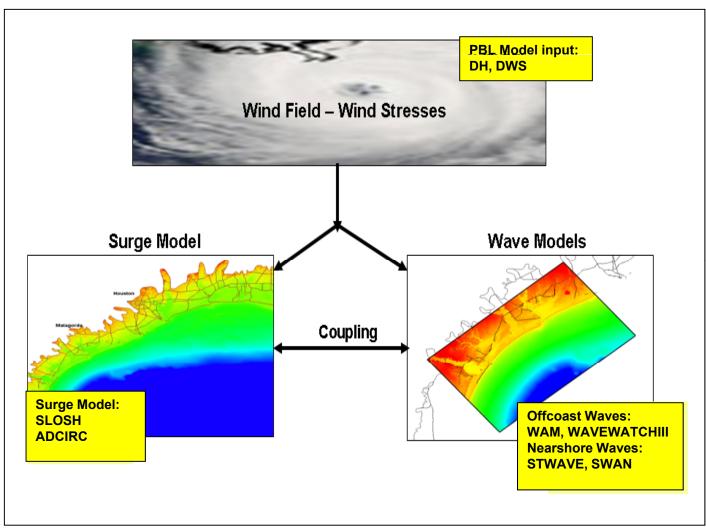
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Purpose: Supplemental guidance to method for performing a surge and seiche assessment as referred to in the March 12, 2012 NRC letter

Key Positions:

- Formalizes Hierarchical Hazard Assessment (HHA) approach
- Continues use of NOAA Tech Memo NWS 23 (PMH) deterministic method
- Introduces risk-informed USACE deterministic-probabilistic methods: Joint Probability Method (JPM) and Empirical Simulation Technique (EST)
- Requires detailed surge modeling (ADCIRC, SLOSH) for surge assessment
- Provides simplified and detail methods for seiche assessment

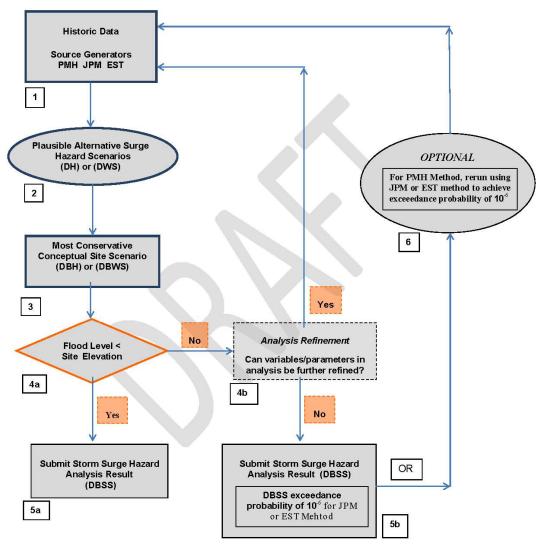




Storm Surge Modeling System



DRAFT - 9/12/2012



APPENDIX A: STORM SURGE HIERARCHIAL HAZARD ASSESSMENT (HHA) FLOW CHART

Figure A.1. HHA approach for storm surge

