



COMPREHENSIVE EVALUATION OF PROJECTS WITH RESPECT TO SEA LEVEL CHANGE

The Comprehensive Evaluation of Projects with Respect to Sea Level Change (CESL) addresses USACE coastal vulnerabilities. USACE is undertaking a phased assessment approach to identify projects with highest vulnerabilities of greatest consequences early so they can receive more detailed assessments. Vulnerability assessments are a key portion of understanding climate impacts to operations and missions; a separate watershed vulnerability assessment for inland projects is also being conducted.



WE'VE MADE GREAT PROGRESS

DEVELOPMENT OF THE CESL WEB TOOL to capture crucial information related to projects that will assist in determining the impact of sea level change (SLC) on USACE coastal projects. This Comprehensive Evaluation of Projects with Respect to Sea Level Change (CESL) tool allows planners, engineers, and program managers to visualize the potential impacts of SLC on a project level.

USACE COASTAL DISTRICTS have completed entering data in the Initial Vulnerability Assessment (IVA) portion of the CESL tool. Based on this initial assessment, about 34% of USACE coastal projects will be impacted by SLC over the next 50-100 years.

A SEA LEVEL CHANGE CURVE CALCULATOR was developed to support rebuilding as part the of the Hurricane Sandy recovery effort. This calculator is being used by multiple Federal, State, and local agencies to provide consistency in determining current and future SLC impacts. The calculator user's manual is updated and posted at <http://www.corpsclimate.us/ccaceslcurves.cfm>.

RELEASED REPORT on the initial results of the screening-level assessment (<http://www.corpsclimate.us/ccacesl.cfm>).



MOVING FORWARD

QUALITY ASSURANCE is being performed on the initially screened projects to be sure categorization is correct. Projects with "very high" and "high" vulnerability are being reviewed with district staff.

PROJECTS classified as having a "very high" vulnerability are now undergoing an intermediate detailed assessment to obtain data that will support a more refined assessment in the future.

ARMY TO LEVERAGE CESL for use in evaluating SLC on coastal installations through an Army version of CESL tailored for their needs.

USACE DISTRICTS TO USE CESL as part of the planning process for coastal projects. A specific planning function is being developed within CESL to support alternative evaluations at a level of effort appropriate for the initial phases of SMART planning. All new projects will be entered into the system for easy tracking.

