

Future Capabilities of GenCade

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FY13 Activities

CMS-Wave

Wind input, wave generation & growth, wave transformation, diffraction, reflection, run-up, setup, overtopping, structures, surface roller



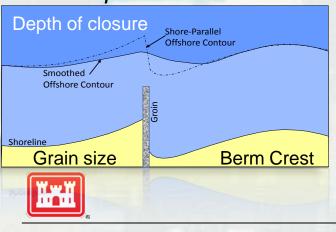
Option for GenCade to GenCade accept forcing from an external wave model



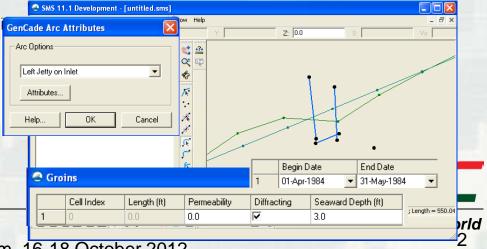


GenCade output used as input to create an SBAS Calculated Sediment Budget

Variable alongshore parameters



Variable structures and failure



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GenCade Webinar, Coastal Inlets Research Program, 16-18 October 2012

FY13 Documentation

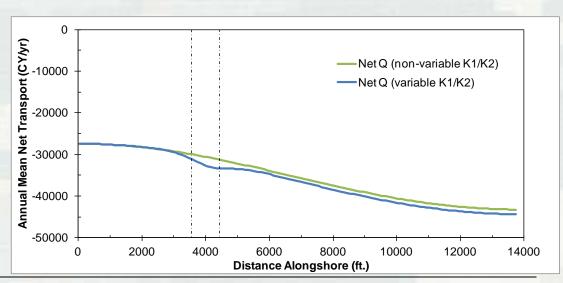
Wiki-TN: Standard Methodology for Calibration and Validation

- Statistical toolkit
- Recommended statistics for acceptable Cal/Val
- Standard, unified approach

GenCade V2 Release

- ➤ Variable parameters and structures
- >Code enhancement
- ➤ Output files for SBAS
- Updated documentation for V2 (wiki-TN or TR)

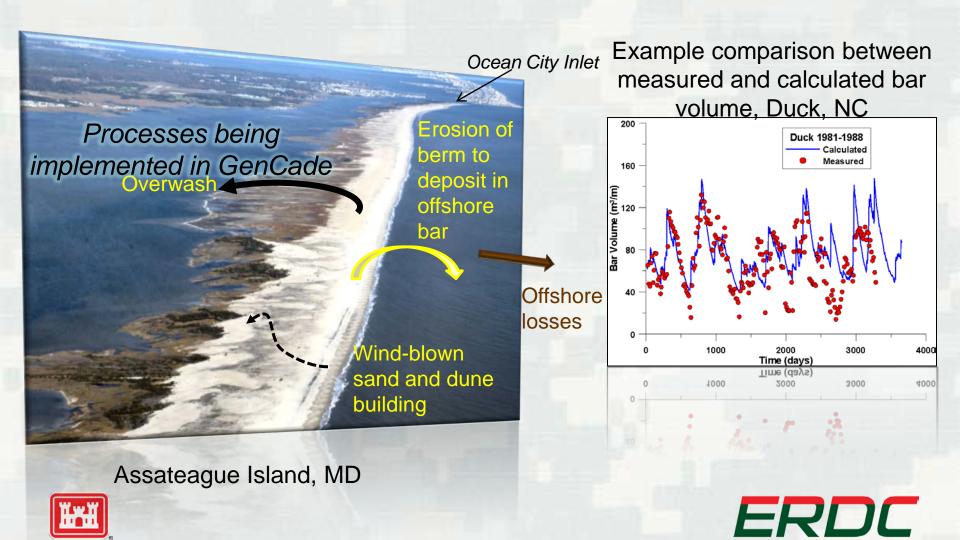






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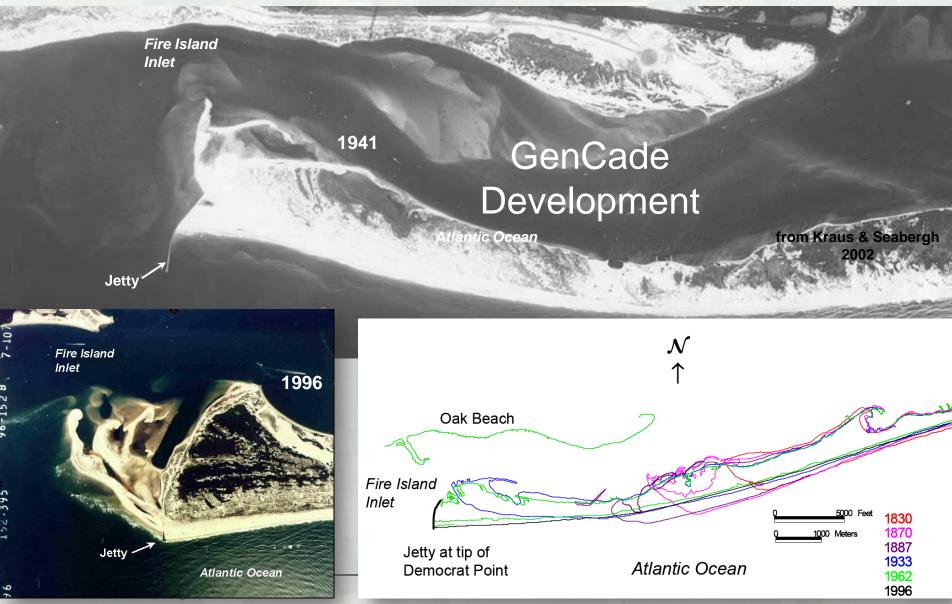
FY13 & Beyond – Cross-shore Transport



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FY13 & Beyond – Spit Growth



FY13 & Beyond - Inlet and Barrier Migration

