Overview of 2D Unsteady Flow Modeling with HEC-RAS Stanford Gibson, PhD Models by: Gary Brunner, P.E., D. WRE, MASCE

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Objectives

- Overview of HEC-RAS Capabilities through Examples.
- Provide basic understanding of the types of 2D models that can be developed with HEC-RAS.
- Provide an understanding of the types of projects that HEC-RAS 2D models can be used for.

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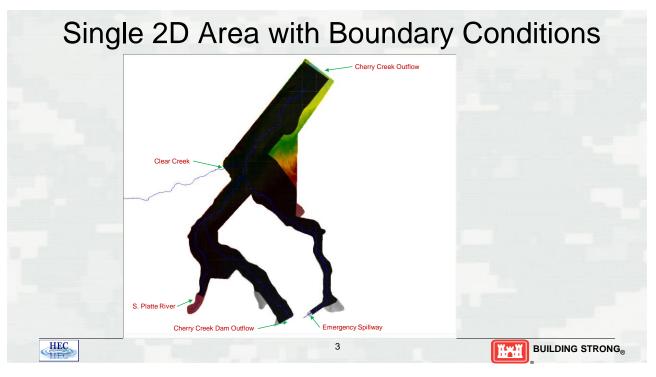
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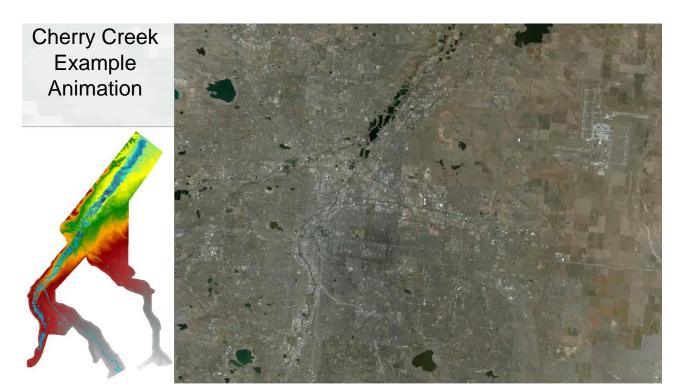
US Army Corps of Engineers

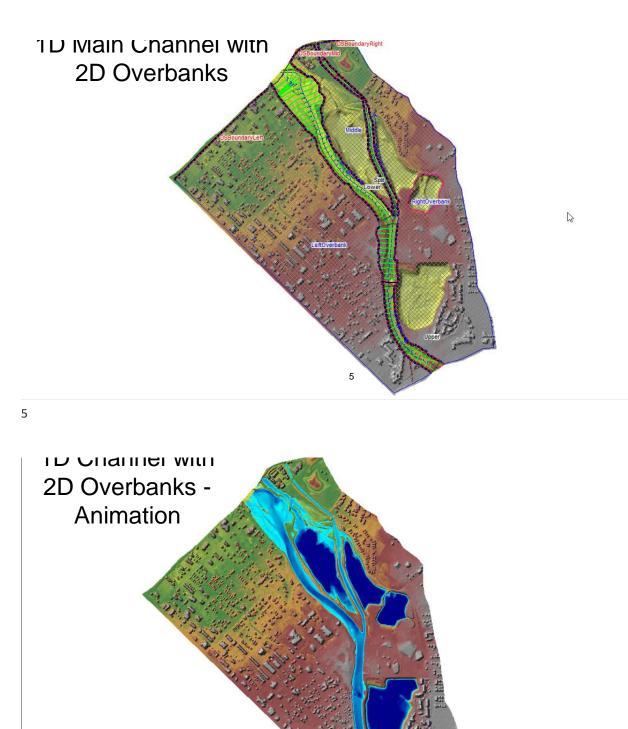
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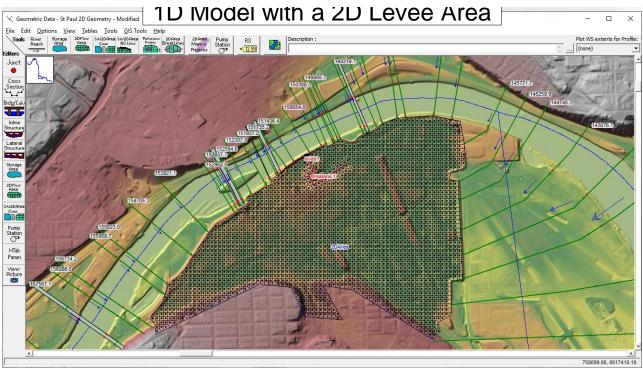
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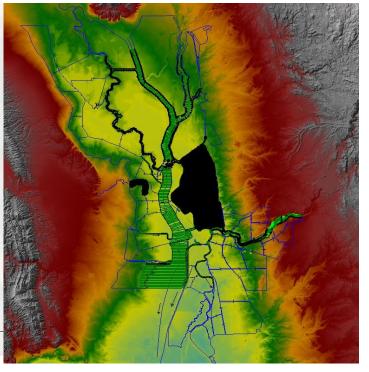




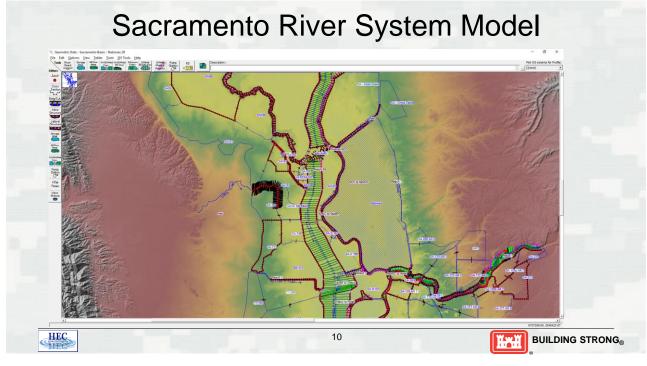




Detailed 1D/2D Model Sacramento River System Model

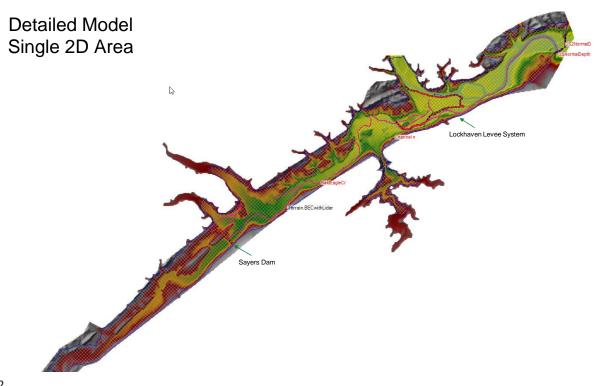


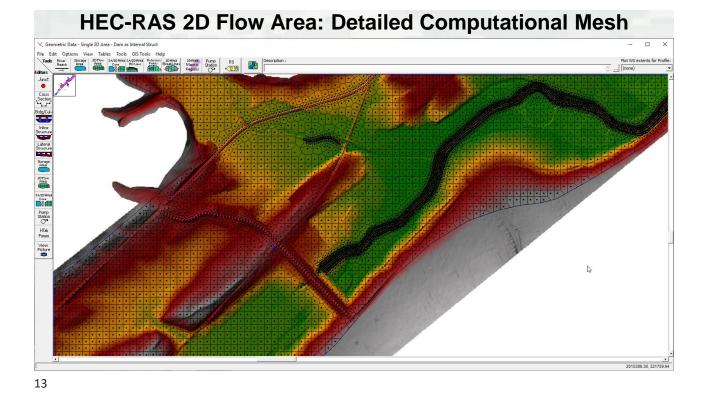
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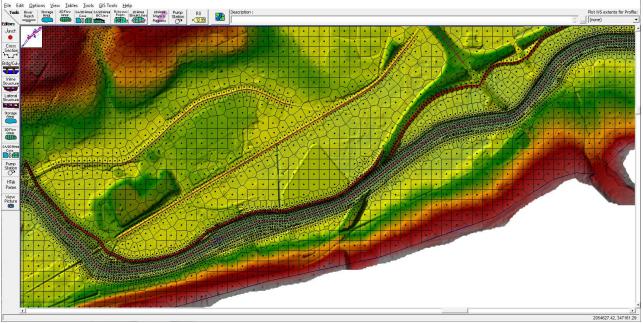




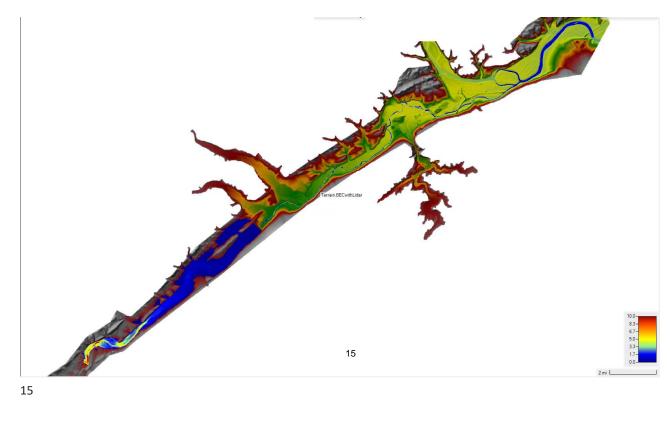


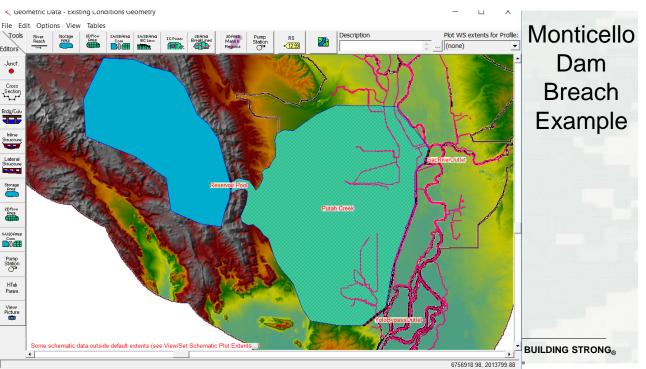
GIS Tools Hel

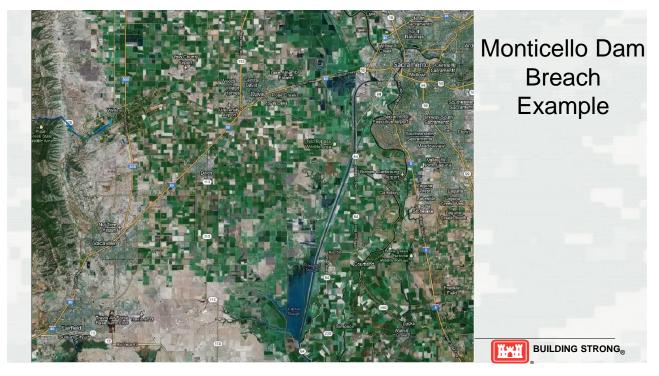
HEC-RAS 2D Flow Area: Detailed Computational Mesh

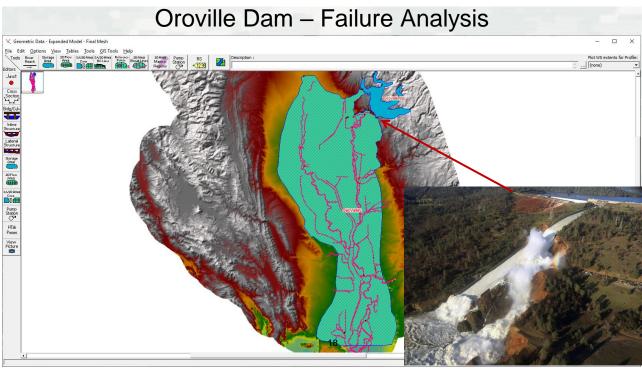


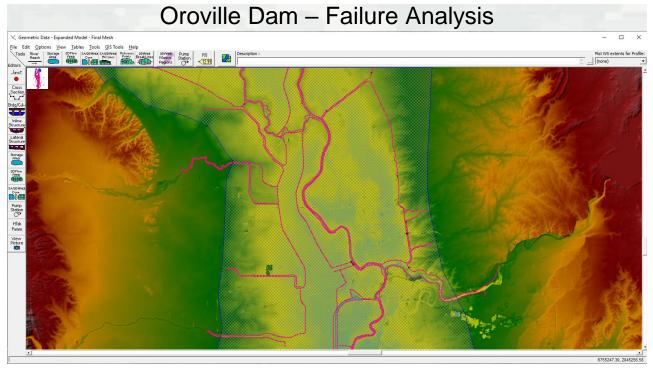
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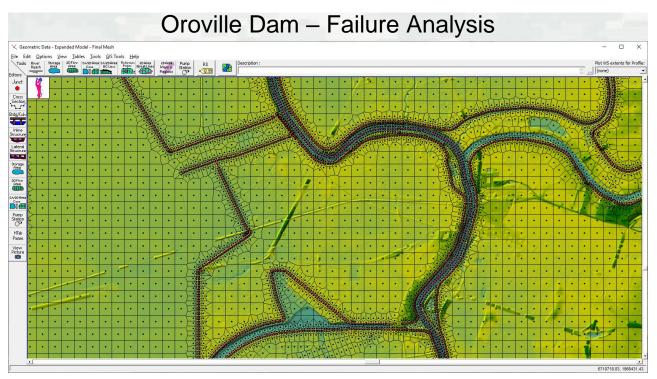


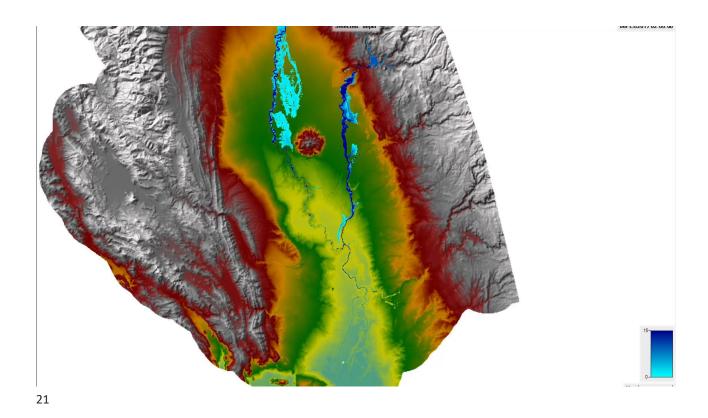


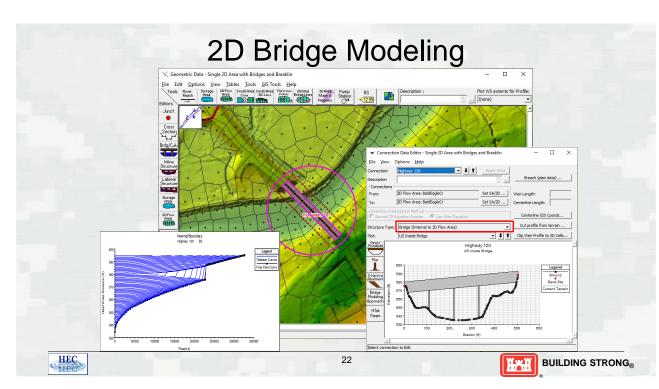


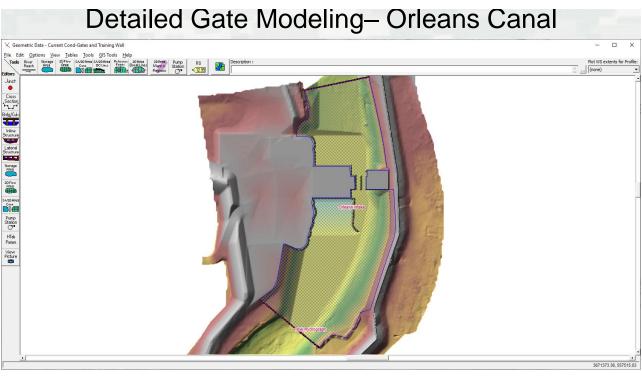






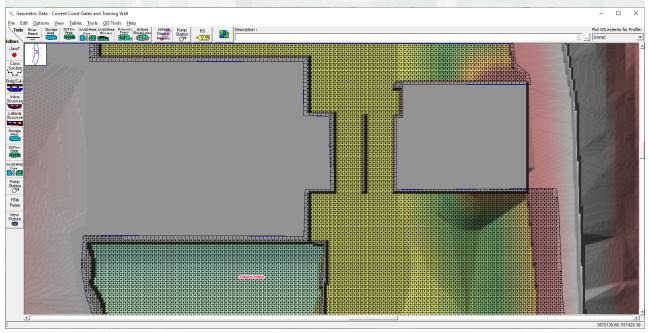


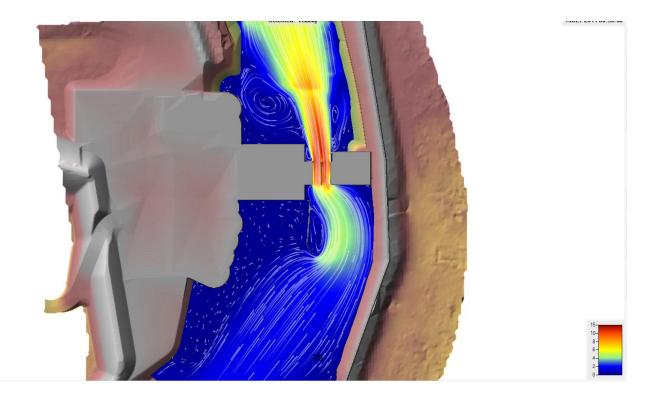


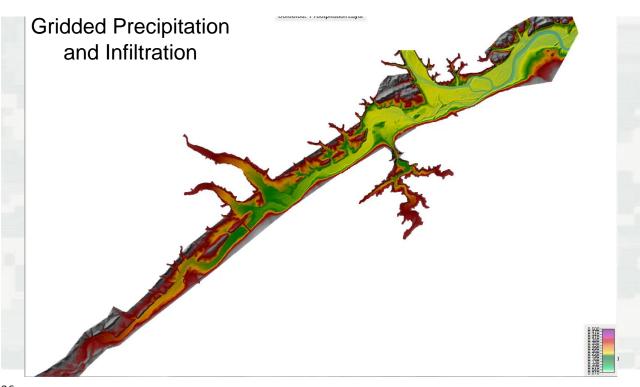


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Detailed Gate Modeling– Orleans Canal

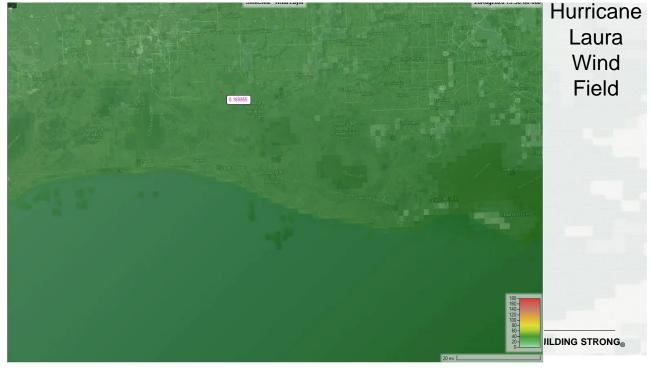












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