



Benefits of High Quality Hydrographic Data for Environmental Uses

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Accurate/Updated Hydrographic Data Essential for:

- Safety/Navigation/Business Development
- Environmental uses (becoming more and more important)
 - Water and sediment quality regulations are driving new modeling efforts
 - Better data = better model = less uncertainty

Environmental Uses of Hydrographic Data

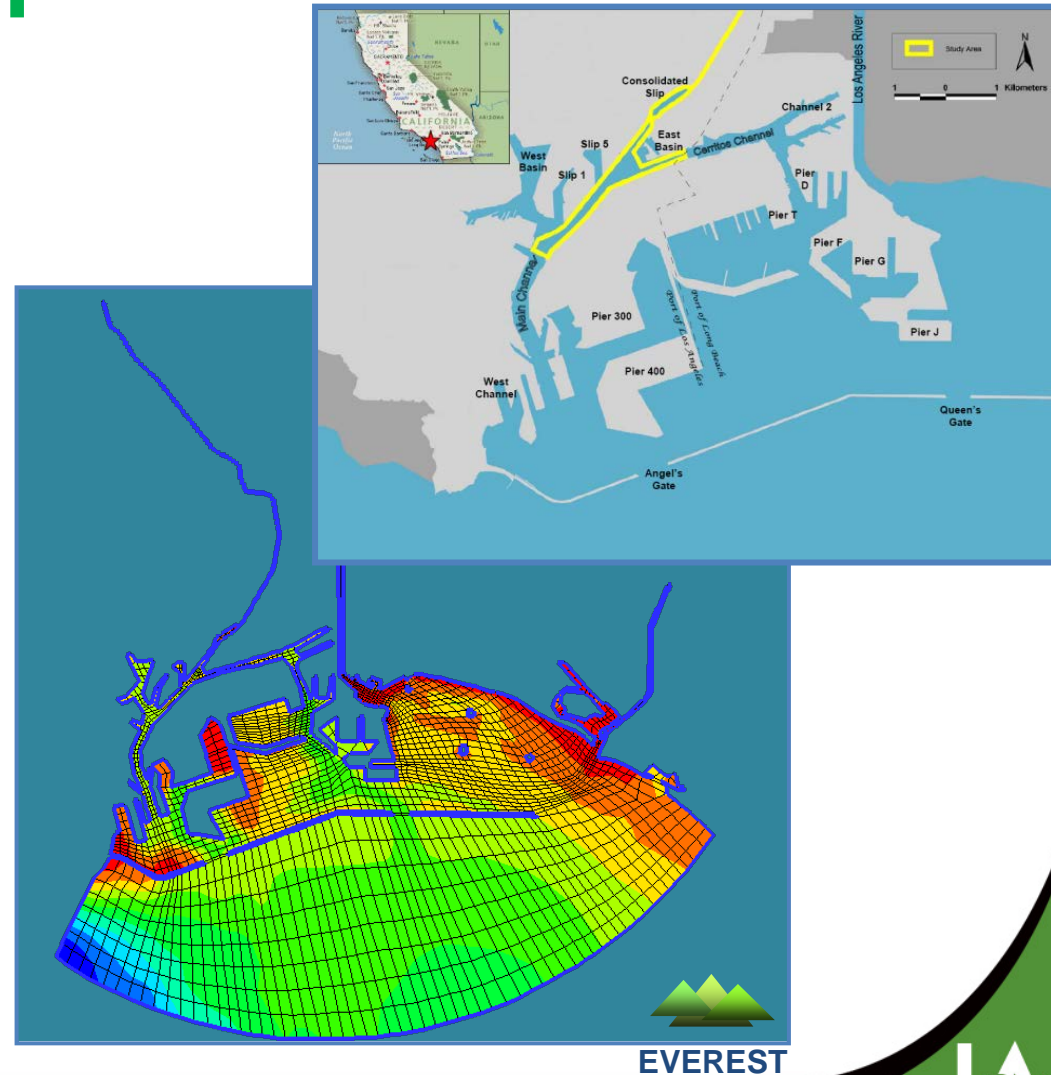
- Spotlight on water quality and sediment transport modeling
- Total Maximum Daily Load regulations have made Ports responsible as owners of the sediment
- Challenge is to determine how to comply without unnecessary dredging
- Port are building model to predict transport of contaminated sediment

Examples of LA Harbor modifications that need to be included in modeling efforts

- Landform modifications for business purposes
- Channel and berth deepening
- Construction of shallow water habitats
- Submerged sediment storage site

Building a Hydrodynamic Model for the Harbor Complex

- EFDC Model
 - 3-D Model
 - Expanded grid now covers all of Eastern San Pedro Bay
 - Updated bathymetry is incorporated as available





Benefits of Accurate Hydrographic Data

- Hydrodynamic/sediment transport model (as with any model) is only as good as the data inputs
- Better model = better prediction of sediment transport = (hopefully) more efficient and effective management actions

The End

