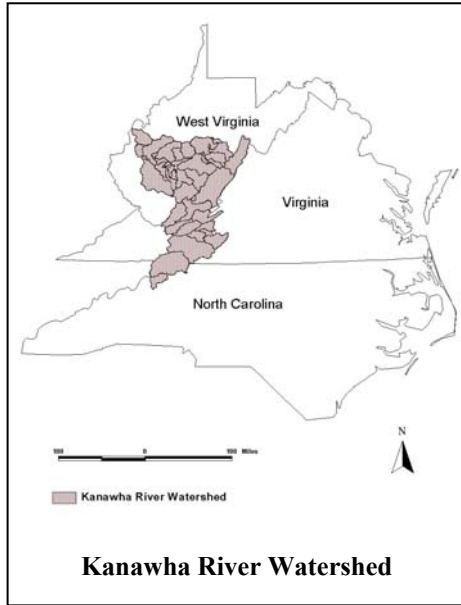


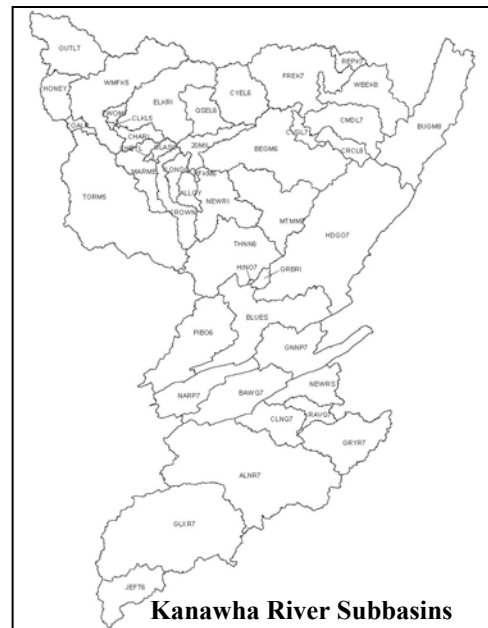


Hydrology & Hydraulic Investigation Kanawha River Basin



WEST Consultants, Inc. (WEST) was contracted by the COE Huntington District, Contract No. DACW69-00-D-0013; Delivery Order No. 3, to develop new models for the Kanawha River basin based on the new generation of computer programs employing geographical information system data.

The Kanawha River is a tributary to the Ohio River and has a total drainage area of about 12,235 mi². Its drainage area encompasses portions of the states of West Virginia, Virginia, and North Carolina.



WEST utilized HEC-GeoRAS and HEC-GeoHMS to create georeferenced RAS and HMS projects. Imported into these existing projects were selected data from HEC-1, HEC-2, and UNET. WEST then recalibrated the models using available data.

Specific objectives of the work included:

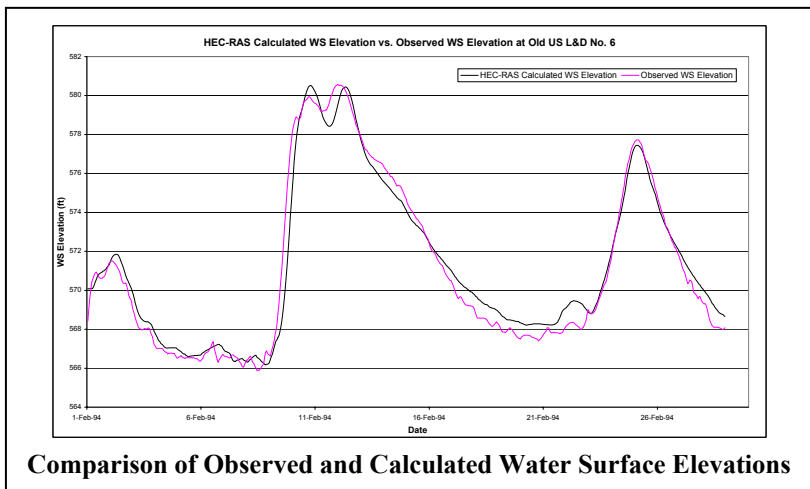
- Development of a HEC-HMS model for the Kanawha Basin,
- Converting HEC-2 formatted data into HEC-RAS steady flow models, and
- Converting UNET formatted data into a HEC-unsteady flow model.

Project Owner:

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Huntington District
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(304) 528-7412

Completion Date:

September 2001



Comparison of Observed and Calculated Water Surface Elevations