Reservoir Sediment Management and Analysis for Engineers

A technical workshop of the USACE Regional Sediment Management Program

University of Kansas, Room G415, LEEP2 Bldg -- Lawrence, KS

Monday, June 11

8:30 - 11:30	HEC-RAS refresher (optional)-- Review of steady and unsteady flow modeling
12:30 - 16:45	Sedimentation problems
	Sedimentation mechanics
	Computing volume change
17:45	Group dinner (optional)

Tuesday, June 12

8:30 - 17:00	Computing the Future Without Project
	Overview of Management Methods
	Reducing sediment loads
	Screening methods
	Pressure Flushing

Wednesday, June 13

8:30 - 16:30	Analysis and design of drawdown flushing
	Site visit logistics
	Group lunch
	Site visit to view pressure flush (Blue Springs Lake)

Thursday, June 14

8:30 - 16:45	Analysis and design of hydrosuction
	Analysis and design of routing procedures
	Analysis and design of dredging
	Additional methods: Bypass Channels
	Additional methods: Density current venting
	Additional methods: Water injection dredging
	Case Studies - Breakout Groups

Friday, June 15

8:30 - 11:30	Downstream channel considerations
	Multi-Dimensional Modeling
	How to engage the experts
	What didn't we tell you?
	Workshop evaluation and closing