CHEHALIS RIVER BASIN FLOOD AUTHORITY

Ripe & Ready Studies and Projects Update - September 2009

Study	Description	Status
Upstream Storage Phase 2 Feasibility Study	Assisting Lewis County PUD evaluation of water storage facilities on the upper Chehalis River.	Proceeding via interlocal agreement with Lewis County PUD.
Skookumchuck Dam Modification Feasibility	Conduct a feasibility study to determine if modifying the discharge pipe can allow for faster drawdown of the reservoir during flood events.	Proceeding via TransAlta.
Early Warning Program	Work with emergency management staff of local jurisdictions to design and implement a system to successfully warn citizens in advance of an anticipated flood event.	Four firms submitted Statements of Qualification. The Flood Authority will be asked to act on a recommendation from the BAC on which firm to select at the 9/17 Flood Authority meeting.
Ecosystem Services	Conduct an economic analysis to value flood protection and other ecosystem services in the basin to help select projects.	Proceeding via Earth Economics.
Lower-basin Hydraulic Model	Develop a model for the basin below Grand Mound to provide consistent information with the upper-basin model.	ESA Adolfson is coordinating with FEMA on potential partnership. FEMA has plans to undertake a hydraulic model for the lower basin this September or October.
Seamless LiDAR	Fill gaps in basin LiDAR information to provide consistent topographical information for modeling and analysis.	Negotiating contract with Puget Sound LiDAR Consortium.
Decision Support Tool (DST)	Support USGS in developing a tool to accurately predict runoff in the basin.	The Corps is working with USGS to incorporate the Decision Support Tool into the General Investigation.
Related Efforts		
General Investigation (GI)	Participate in an effort to study and develop projects for ecosystem restoration and flood control in the Chehalis basin.	The Corps of Engineers has released a partial draft Project Management Plan. The PMP will be discussed at the Authority work session on September 17th.