

**TABLE 1
SUMMARY TABLE OF HIGH PRIORITY TASKS**

Task # From Full Table	Summary Task Description (fuller description appears in the "Description of Work Plan Tasks" table below)	Lead Entity	Rough Cost Range*
1, sub 2	Review best available science for determining environmental flow regimes for streams.	TPWD	\$50,000 to \$100,000
2, sub 3	Describe relationships between physical habitat and flow.	TPWD	\$100,000 to \$150,000
10	Develop a method for obtaining site-specific commercial fishing harvest data and for maintaining appropriate confidentiality of those data and develop an approach for incorporating reliable commercial fisheries harvest data into the analysis of the relationship between freshwater inflows and species productivity.**	TPWD	\$100,000 to \$200,000
12, sub 1	Identify improvements made in methods for determining environmental flow regimes for estuaries.	TPWD	\$50,000 to \$150,000
12, sub 6	Describe relationships between salinity and commercially important indicator species (e.g., white and brown shrimp, blue crab, and Gulf menhaden).	TPWD	\$50,000 to \$150,000
12, sub 8	Evaluate achievement of the BBEST freshwater inflow recommendations in Matagorda Bay (based on the Matagorda Bay Health Evaluation recommendations) and ecological response to those freshwater inflow quantities and distribution.	TPWD	\$50,000 to \$300,000
3	Determine relationships between groundwater withdrawals from the Carrizo-Wilcox and the Gulf Coast aquifers and flows to rivers.	TWDB	\$300,000 to \$400,000
6	Determine how groundwater development activities, as listed in the then current State and relevant Regional Water Plans, might influence river flows and the physical and hydrologic connections between surface and groundwater.	TWDB	\$50,000 additional beyond Task 3

7, sub 1	Describe changes in geomorphology, i.e. trends in channel elevation, longitudinal profile, width, floodplain width, stream form, bed sediment size, and the role the flow regime contributes to those changes.	TWDB	\$250,000 plus \$20,000/yr
9	Evaluate decline in flows in the upper Colorado Basin with a particular emphasis on understanding the apparent change in relationship between rainfall and river flow.	TWDB	\$30,000 for initial phase, 2 nd phase unknown
11	Refine estimates of freshwater flow to the bays.	TWDB	\$180,000 to \$530,000
14	Improve the existing hydrodynamic model or use other hydrodynamic models to model hydrology, circulation, and salinity patterns for Matagorda, East Matagorda, and Lavaca Bays.	TWDB	\$300,000 to \$584,000
16	Quantify the effects of sediment transport on delta formation in Lavaca and Matagorda Bays.	TWDB	\$300,000
8	Evaluate and update the WAM, with particular emphasis on Run 3 and Run 8, for both the Colorado and Lavaca river basins, with a goal of the development of a daily time-step capability that could be employed for environmental flow assessment tasks.	TCEQ	\$60,000 to \$120,000 ***
5	Increase understanding of how different factors affect calculation of flow regime components and hydrologic conditions over time.	BBEST	\$40,000
15	Implement a program to review effectiveness of strategies that could be used in areas where there may be inadequate amounts of water to support an ecologically sound stream or estuary.	BBASC & BBEST	\$100,000

*Additional information regarding cost estimates is included in Appendix B.

**There is uncertainty about whether those data could be kept confidential under current law.

***The cost of this task is expected to be covered in TCEQ's ongoing budget and contract for maintenance of WAMs unless unanticipated complications develop.