

Summary Sheet

Applicant:	Kings River Conservation District	BMS No: 2010FPCP0014
Project Name:	McMullin On-Farm Flood Capture and Recharge Project	
County:	Fresno	
Location:	Adjacent to North Fork Kings River and McMullin Grade (Hwy 145)	
Problem to Be Fixed:	The Terranova Ranch (6,000 acre ranch) and surrounding agricultural land is adjacent to the Kings River and has an MOU with the Kings River Water Association for access to flood flows. The ranch has been capturing flood flows when available for groundwater recharge, replenishing soil moisture and in lieu recharge (during the growing season). The current turnout on the Kings River is about 20-25 cfs and severely limits flood flow capture capacity.	
Project Description:	<p>The proposed project involves diverting and capturing Kings River floodwater flows that exceed the capacity of the James Weir (4,750cfs), onto agricultural lands adjacent to the Kings River. The project is multi-phased with the intent of eventually obtaining rights for 16,000 acres of agricultural land to receive flood flows at full build-out. The plan is to allow direct recharge during winter flood flow conditions and in lieu recharge during spring flood flow conditions.</p> <p><u>Phase 1</u> includes construction and secures flood easements on approximately 400 acres at Terranova Ranch and would divert 150 cfs of flood flows. Applicant states that approximately 1100 additional acres will receive flood water for direct recharge when available, even though not under a flood easement.</p> <p><u>Phase 2 & 3</u> (not a part of this project) would eventually divert 500 cfs of flood flows to farms located north and east of Terranova Ranch.</p>	
Flood Benefits:	<ul style="list-style-type: none"> • Reduction of flood impacts from the north fork of the Kings River to the communities of Firebaugh, Tranquility, Mendota, and San Joaquin and surrounding agriculture land; • Capture 150 cfs (Phase 1) and 500 cfs (Phase 2) of flood flows at the James Weir greater than 4,750cfs through a new turnout and utilize controlled flooding of agriculture land; • Offer greater flexibility and capacity for the Kings River/San Joaquin River system to reduce peak flows; • Decrease flood risks upstream and downstream of the James Weir; • Reduction of both hydrologic impacts as well as nitrate contamination issues in the area; • Reduction of risks of levee failure along the Kings River system by providing an additional safety valve for diverting flood flows 	
Agricultural Benefits:	Agriculture productivity would be maintained and increased through direct recharge, in lieu recharge, & soil moisture replenishment.	
Total Project Cost:	\$7,318,367	

FCP Project Cost	\$5,000,000
Assembly District No. and Representative Name:	Assembly District 30: David G. Valadao
Senate District No. and Representative Name:	Senate District 16: Michael J. Rubio