











Channel/ Structure	Main Channel Restoration	Bypass Restoration	Bypass All Pulse Flows	Split Pulse Flows and Restore Both			
San Joaquin River Flows	Up to 4,500 cfs (all Restoration Flows)	At least 475 cfs of Flood Flows	Restoration Flows of at least 475 cfs	Base and fall pulse flows; some spring pulse flows			
Bypass System Flows	Flood flows greater than 4,500 cfs	All flows up to capacity	Flow greater than 475 cfs	Flow greater than Reach 4B capacity			
Fish Routing	SJR	Eastside Bypass Reach 2, Mariposa Bypass	SJR, Eastside Bypass Reach 2 and Mariposa Bypass	SJR, Eastside Bypas Reach 2, Mariposa Bypass			
Habitat	SJR	Bypass	SJR and Bypass	SJR and Bypass			
Reach 4B Headgates	Remove Headgate	Simple Gate	Construct gates and roughened channel fishway	Construct gates and roughened channel fishway			
Eastside Bypass Control Structure	No Change	No Change	Fish Passage	No Change			
Mariposa Bypass Control Structure	No Change	Notch Center Bays	Notch Center Bays	Notch Center Bays			
Mariposa Drop Structure	No Change	Remove Drop Structure	Remove Drop Structure	Fish Passage			
Reach 4B1 Levee Alignment Options	B, C, D	А	А	A			
Eastside Bypass Levee Alignment	None	NE, NW, or Combination	None	None			





OAQUIN RIVER RESTORATION PROGRAM		F	R	98	ach 4	4B1 A	lign	ments
Lovoo	Initial Levee Alternatives Length							
Alignment Options	1	2	3	4	Left Side	Right Side	Capacity	Approx. Width Between Levees
Option A		~	~	~	102,000 ft	90,200 ft	1,500 cfs	250-400 ft
Option B	~				77,800 ft	76,400 ft	4,500 cfs	1,300 to 2,000 ft
Option C	~				72,800 ft	66,300 ft	4,500 cfs	3,500 to 5,500 ft
Option D	~				70,200 ft	65,100 ft	4,500 cfs	1-2 miles wide at widest part
for Discussion Purposes Only. Subject to Change.								



















SAN JOAQUIN RIVE	Initial Ar	oproach –				
10-	Modified Habitat Suitability Index Assessment					
	Velocity	Depth				
			20			

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