

YOLO BYPASS DRAINAGE AND WATER INFRASTRUCTURE IMPROVEMENT STUDY:

Prioritization Matrix
March 2014



PROJECT METRIC		Recommended Project											
Priority of Criteria		RP-1 – Wallace Weir Improvements	RP-2 – Tule Canal Agricultural Crossings/Water Control Structure Improvements	RP-3 – Lisbon Weir Improvements	RP-4 – Conway Main Supply Canal Augmentation	RP-5 – Davis Wetlands Water Supply	RP-6 – South Davis Drain Input Configuration	RP-7 – Yolo Bypass Wildlife Area Dual Function Canal Reconfiguration	RP-8 – Yolo Bypass Wildlife Area Public and Operations and Maintenance Road Improvements	RP-9 – Stormwater and Summer Tailwater Re-Use and Supply	RP-10 – Local Agricultural Crossing Improvements	RP-11 – Creation of Coordinated Maintenance and Improvement Reimbursement Program or Agency	RP-12 – West Side Tributary Monitoring
		1	Agricultural benefit ¹	M	M	H	H	L	H	H	H	M	H
1	Migratory waterfowl or shorebird habitat benefit ²	M	No	H	H	M	H	H	H	M	H	H	L
2	"Shovel readiness" ³	No	No	No	No	L	M	M	H	L	M	No	M
2	Ease of permitting ⁴	M	H	M	M	M	M	H	H	H	H	M	L
2	Potential for local matching funding ⁵	M	U	U	U	M	M	L	L	U	M	L	H
2	Eligibility for grants ⁶	H	H	M	L	M	M	H	H	U	H	U	H
2	Estimated benefit acreage ⁷	M	M	H	H	M	H	H	H	U	H	H	H
2	Cost estimate ⁸	M	M	M	M	M	M	L	M	M	M	M	M
3	Flood benefit ⁹	L	L	L	L	M	H	H	No	M	M	H	U
3	Listed species benefit	H	H	H	M	L	M	U	No	No	U	U	U
3	Public benefit (hunting, education, access, etc). ^{9,10}	No	L	H	M	M	H	H	H	M	H	H	U
3	Water quality benefit	L	L	No	L	M	M	No	L	No	No	U	U
3	Other environmental benefit	U	U	U	No	L	U	No	L	No	No	L	U
	High (Good/Easy)	2	3	5	3	0	4	7	7	1	6	6	3
	Medium	6	3	3	4	9	8	1	1	5	4	1	2
	Low (Bad/Hard)	2	3	1	3	4	0	2	3	1	0	2	3
	Unknown	1	2	2	1	0	1	1	0	3	1	3	5
	No (Benefit)	2	2	2	2	0	0	2	2	3	2	1	0

¹ Agricultural benefit is an overall subjective assessment of a combination of several criteria such as the ability to irrigate and drain more efficiently, access and maintain land, and prepare land for growing crops and harvest.

² Migratory waterfowl or shorebird habitat benefit is an overall subjective assessment of a combination of several criteria such as the ability to flood up and drain habitat at various seasonal intervals, access and maintain land.

³ Low "shovel readiness" means that little preparatory work (feasibility or design) has been undertaken. High means that designs could quickly and easily be produced.

⁴ Ease of permitting relates to the overall anticipated complexity of obtaining the permits required to construct the project (High is easier).

⁵ Low < 10%, 10% < Medium < 30%, High > 30%

⁶ Low < 10%, 10% < Medium < 30%, High > 30%. Matching funds from landowners, local government or other local organizations.

⁷ Low < 3,000 acres, 3,000 acres < Medium < 6,000 acres, High > 6,000 acres acres must be in Yolo County.

⁸ For Cost Estimate evaluation criteria, H, or High (Good/Easy) means that the cost is low. L, or Low (Bad/Hard) means that the cost is high. Low > \$3,000,000 and \$3,000,000 > Medium > \$100,000 and High < \$100,000

⁹ Lower flood stage. Reduced maintenance costs.

¹⁰ Acres of project wetlands for public hunting, bird watching, etc.