

Eastern San Joaquin Integrated Regional Water Management Plan

Projects	Source	Source Water		Conveyance or Storage	Conveyance Capacity (cfs)	Place of Use	Recharge Type	Evap Loss	Recharge (KAF/yr)	Demand Pattern
		Capacity (cfs)	Average Supply (KAF/yr)							
Alternative A										
NSJCGBA IRWMP Alternatives										
Projects										
Maximum Lodi reclamation	Lodi White Slough WWTP	17.9	8.0	Pipeline from White Slough	17.9	Lodi	Urban In-leu	0%	8.0	MAI
Stockton Delta Water Supply Project Phase II	Delta	77.4	33.3	DWSP Pipeline	77.4	Stockton	Urban In-leu	0%	33.3	MAI
Farmington Program Phase 2	Stanislaus/Littlejohns	53.4	4.0	Pipeline and canal	53.4	SEWDCS/JWCD	Field flooding	5%	3.8	Nov-Feb
NSJWCD Surface Water Distribution System Rehabilitation	Mokelumne	80.0	9.5	Rehabilitated NSJWCD system	80.0	NSJWCD	Ag In-leu	10%	8.6	Mar-Oct
MORE Water Lower Mokelumne diversion	Mokelumne	273.0	20.1	In-take/pipeline/WID canals	273.0	Saline barrier	--	--	--	Dec-Jun
MORE Water Paradise diversion	Mokelumne (to Duck Creek)	1,000.0	67.3	Tunnel/pipeline to Duck Creek	1,000.0	NSJWCD/SEWD	Injection/Pond	10%	28.7	Year-round
Regional Banking - Recharge	Mokelumne	138.0	31.9	EBMUD Mokelumne Aqueduct	138.0	NSJWCD/SEWD	Recovery	10%	60.6	Mar-Oct
Regional Banking - Extraction	AmCo/CalCo/EBMUD Mokelumne rights	138.0	(15.9)	In-river exchange	138.0	West Stockton	Injection	0%	18.7	Year-round
Duck Creek Reservoir	Duck Creek Reservoir	400.0	(15.9)	Duck Creek Reservoir (150 KAF)	400.0	CSJWCD	Ag In-leu	10%	4.8	Ag In-leu
Saline barrier	Lower Mokelumne diversion	100.0	5.3	Pipeline/pump station from WID canal	100.0	CSJWCD	Ag In-leu	10%	11.1	150.6
Management Actions										
CSJWCD In-leu Incentive Program	Littlejohns Ck	183.5		Existing CSJWCD conveyances						
Total Alternative A										
Unit Cost (\$/AF)										
Projects										
Stockton Delta Water Supply Project Phase II	Delta	77.4	33.3	DWSP Pipeline	77.4	Stockton	Urban In-leu	0%	33.3	MAI
NSJWCD Surface Water Distribution System Rehabilitation	Mokelumne	80.0	9.5	Rehabilitated NSJWCD system	80.0	NSJWCD	Ag In-leu	10%	8.6	Mar-Oct
MORE Water Paradise diversion	Mokelumne (to Duck Creek)	1,000.0	49.6	Tunnel/pipeline to Duck Creek	1,000.0	NSJWCD/SEWD	Pond	10%	67.1	Mar-Oct
Freepoint Regional Water Project unused capacity	Sac Valley banking partner	155.0	74.5	EBMUD Freepoint pipeline	155.0	NSJWCD/SEWD	Recovery	10%	(52.6)	Year-round
Regional Banking - Recharge	AmCo/CalCo/EBMUD Mokelumne rights	138.0	30.0	EBMUD Mokelumne Aqueduct	138.0	NSJWCD/SEWD	Ag In-leu	10%	44.7	Mar-Oct
Regional Banking - Extraction	AmCo/CalCo/EBMUD Mokelumne rights	(276.1)	(52.6)	In-river exchange + pumped extraction	276.0	West Stockton	Treatment/Injection	0%	18.7	Year-round
Duck Creek Reservoir	Lower Mokelumne diversion	100.0	5.3	Pipeline from Mokelumne Aqueduct	100.0	CSJWCD	Ag In-leu	10%	4.8	Ag In-leu
Saline barrier	Littlejohns Ck	149.7		Existing CSJWCD conveyances						
Management Actions										
CSJWCD In-leu Incentive Program	Littlejohns Ck	149.7		Existing CSJWCD conveyances						
Total Alternative B										
Unit Cost (\$/AF)										
Projects										
Maximum Lodi reclamation	Lodi White Slough WWTP	17.9	8.0	Pipeline from White Slough	17.9	Lodi	Urban In-leu	0%	8.0	MAI
Stockton Delta Water Supply Project Phase II	Delta	77.4	33.3	DWSP Pipeline	77.4	Stockton	Urban In-leu	0%	33.3	MAI
NSJWCD Surface Water Distribution System Rehabilitation	Mokelumne	80.0	9.5	Rehabilitated NSJWCD system	80.0	NSJWCD	Ag In-leu	10%	8.6	Mar-Oct
MORE Water Lower Mokelumne diversion	Mokelumne	266.0	35.0	In-take/pipeline	266.0	NSJWCD/SEWD	Pond	10%	31.5	Dec-Jun
Freepoint Regional Water Project unused capacity	S/Co American River filing	155.0	43.4	EBMUD Freepoint pipeline	155.0	NSJWCD/SEWD	Pond	10%	39.1	Mar-Oct
Regional Banking - Recharge	AmCo/CalCo/EBMUD Mokelumne rights	138.0	31.9	EBMUD Mokelumne Aqueduct	138.0	NSJWCD/SEWD	Injection/Pond	10%	19.0	Year-round
Regional Banking - Extraction	AmCo/CalCo/EBMUD Mokelumne rights	(138.0)	(15.9)	In-river exchange	138.0	West Stockton	Recovery	0%	18.7	Year-round
Saline barrier	Lower Mokelumne diversion	100.0	5.3	Pipeline from Mokelumne Aqueduct	100.0	CSJWCD	Ag In-leu	10%	4.8	Ag In-leu
Management Actions										
CSJWCD In-leu Incentive Program	Littlejohns Ck	150.5		Existing CSJWCD conveyances						
Total Alternative C										
Unit Cost (\$/AF)										
Projects										
Stockton Delta Water Supply Project Phase II	Delta	77.4	33.3	DWSP Pipeline	77.4	Stockton	Urban In-leu	0%	33.3	MAI
Farmington Program Phase 2	Stanislaus/Littlejohns	53.4	4.0	Pipeline and canal	53.4	SEWDCS/JWCD	Field flooding	5%	3.8	Nov-Feb
NSJWCD Surface Water Distribution System Rehabilitation	Mokelumne	80.0	9.5	Rehabilitated NSJWCD system	80.0	NSJWCD	Ag In-leu	10%	8.6	Mar-Oct
MORE Water Lower Mokelumne diversion	Mokelumne	620.0	66.9	In-take/pipeline	620.0	NSJWCD/SEWD	Pond	10%	43.3	Dec-Jun
South Gulch Reservoir/JFC	Mokelumne	750.0	20.7	Upper Farmington Canal to South Gulch	750.0	NSJWCD/SEWD	Ag In-leu	10%	18.7	Mar-Oct
Regional Banking - Recharge	Littlejohns Ck	16.6	4.0	Littlejohns Creek	16.6	CSJWCD	Pond	10%	3.6	Non-flood
Saline barrier	Lower Mokelumne diversion	100.0	5.3	Pipeline/pump station from WID canal	100.0	West Stockton	Treatment/Injection	0%	18.7	Year-round
Management Actions										
CSJWCD In-leu Incentive Program	Littlejohns Ck	152.2		Existing CSJWCD conveyances						
Additional transfers from WID, ODI, SSJID	Stanislaus	161.0		Existing creeks and conveyances						
Total Alternative D										
Unit Cost (\$/AF)										

Table 7-4 Program Alternatives A - D

