IID Case 1 - Water Transfer Mitigation Measures
Table 1 - Preliminary Cost Estimates (in thousands)

Ref. No.	Condition No.	Mitigation Measure	Present Value ($2002)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
101	Willow Flycatcher CM 3	Long-term monitoring plan.	29	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Willow Flycatcher CM 4	Willow flycatcher take evaluation.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Brown Pelican CM 2	Roost site creation and monitoring.	1,449	562	37	37	37	127	37	37	37	37	47	37	37	37	37	47	137
104	Black Rail CM 1 (Clapper Rail CM 1, 2"	Enhance 73 acres managed marsh habitat for black rail.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Mountain Plover	Develop agricultural/water conservation statistics.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	BR-1	Replace and monitor cottonwood-willow habitat.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	BR-4	Create 44 acres of backwater habitat.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	BR-5	Replace and monitor cottonwood-willow habitat.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	BR-6	Create 44 acres of backwater habitat.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	BR-7	Create 44 acres of backwater habitat.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	BR-8	Reintroduce and monitor 20,000 sub-adult razorback suckers. Capture bonytail chubs for broodstock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	BR-11	Create up to 652 acres of managed marsh habitat to support Yuma clapper rail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	BR-12	Implement DHCS to offset selenium concentrations.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	BR-24	Desert pupfish conservation strategy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	BR-25	Razorback sucker conservation strategy. Salvage fish and return to Colorado River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	BR-26	Implement DHCS to offset selenium concentrations.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	BR-27	Implement DHCS to offset selenium concentrations.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	BR-46	Implement SSHCS to avoid salinity impacts.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	BR-51	No barrier to pupfish for at least 15 years.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	AR-1	Reclassify up to 50,000 acres of prime farmland or farmland of statewide importance.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	HCP-AR-2	Conversion of agricultural lands from implementation of the HCP.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	R-7	Temporary and permanent relocation of boat launching facilities.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	R-8	Relocate recreational facilities.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	R-9	Implement SSHCS to avoid salinity impacts.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	R-10	Temporary and permanent relocation of boat launch facilities.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	AQ-3	Dust control measures.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	HCP2-AQ-6	Less than significant with AQ-2 and AQ-3.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	AQ-7	Access restriction, research, monitoring. Obtain emission offsets and direct emission reductions at the Sea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	A-1	Relocation of recreational facilities.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	CR-1	Pre-Construction cultural survey	305	30	27	21	31	21	21	31	21	21	31	21	21	31	21	21	0
131	AQ-2	Dust control measures (water truck).	1,650	378	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
	TOTALS - Case B	PV Cost in Thousands ($2002) Years 0-15 $	81,634.04	36352.13812	3779	1969	1839	2786	2776	2581	2600	1284	7064	2127	1414	6684	5314	11813	5890
		PV Cost in Thousands ($2002) Years 0-45 $	134,911.17	36352.13812	3779	1969	1839	2786	2776	2581	2600	1284	7064	2127	1414	6684	5314	11813	5890
		Cost per AF/yr of Water (in whole dollars) $	300,000	121.17	$ 12.60	$ 6.56	$ 6.13	$ 9.29	$ 9.25	$ 8.60	$ 8.67	$ 4.28	$ 23.55	$ 7.09	$ 4.71	$ 22.28	$ 17.71	$ 39.38	$ 19.63

Ref. No.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	37	37	37	47	37	37	37	37	47	37	37	37	37	47	0
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	86	86	86	86	86	0	0	0	0	0	0	0	0	0	0
PV Cost Years 0-15															
PV Cost Years 0-45	5243	5302	6470	11831	5159	5015	5246	5020	5851	5119	5015	5151	5095	5060	5036
Cost per AF/yr	$ 17.48	$ 17.67	$ 21.57	$ 39.44	$ 17.20	$ 16.72	$ 17.49	$ 16.73	$ 19.50	$ 17.06	$ 16.72	$ 17.17	$ 16.98	$ 16.87	$ 16.79

Ref. No.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PV Cost Years 0-15															
PV Cost Years 0-45	4978	5117	1183	1213	1207	1178	1314	1183	1213	1239	1178	1314	1183	1213	1207
Cost per AF/yr	$ 16.59	$ 17.06	$ 3.94	$ 4.04	$ 4.02	$ 3.93	$ 4.38	$ 3.94	$ 4.04	$ 4.13	$ 3.93	$ 4.38	$ 3.94	$ 4.04	$ 4.02

Notes:
1. All forecast costs are in constant 2002 US dollars
2. Discount Factor represents a reasonable return rate for a low risk investment

Indicates a cost in detail sheet that does not appear in PV Table (assume included in another measure)