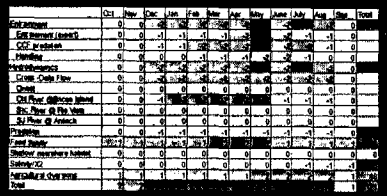
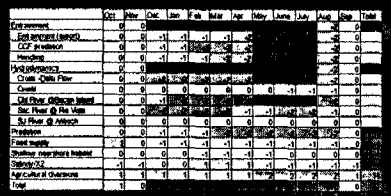
Diversion Effects Matrices for Delta Smelt Alternative 2

Wet Years



Dry Years



- Point 1
- Point 2
- Point 3

Delta Smelt Alt 2 Wet Years

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-2	-2	-2	-2	-2		-2		-2	0	
Entrainment (export)	0	0	-1	-1	-1	-1	-2		-2	-1	-1	0	
CCF predation	0	0	-1	-1	-2	-2	-2		-2	-2	-1	0	
Handling	0	0	0	0	-1	-1	-1	-2	-2	-1	0	0	
Hydrodynamics	0	0	-2	-2	-2	-2	-2		-2		-2	0	
Cross -Delta Flow	0	0	-2	-2	-2	-2	-2	-2	-2	-2	-2	0	
Qwest	0	0	0	0	0	0	0	0	0	0	0	0	
Old River @Bacon Island	0	0	-1	-2	-2	-2	-2	-2	-1	-1	-1	0	
Sac River @ Rio Vista	0	0	0	0	0	0	0	0	0	0	0	0	
SJ River @ Antioch	0	0	0	0	0	0	0	0	0	0	0	0	
Predation	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
Food supply	1	1	1	1	1	2	2	2	1	1	1	1	
Shallow/ nearshore habitat	0	0	0	0	0	0	0	0	0	0	0	0	0
Salinity/X2	0	0	0	0	0	0	0	0	0	-1	-1	-1	
Agricultural diversions	1	1	1	1	1	1	1	2	2	2	2	1	
Total	2	2										1	

Delta Smelt Alt 2 Dry Years

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0									-2	0	
Entrainment (export)	0	0	-1	-1	-1	-1	-2				-2	0	
CCF predation	0	0	-1	-1	-2	-2	-2				-2	0	
Handling	0	0	-1	-1	-1	-2	-2				-2	0	
Hydrodynamics	0	0									-2	0	
Cross -Delta Flow	0	0	-2	-2	-2	-2	-2				-2	0	
Qwest	0	0	0	0	0	0	0	0	-1	-1	-1	0	
Old River @Bacon Island	0	0	-1	-2	-2	-2	-2				-2	0	
Sac River @ Rio Vista	0	0	-2	-2	-2	-2	-1	-1	-2	-2	-1	0	
SJ River @ Antioch	0	0	0	0	0	0	0	0	0	0	0	0	
Predation	0	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	0	
Food supply	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
Shallow/ nearshore habitat	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	0	
Salinity/X2	-1	-1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	
Agricultural diversions	1	1	1	1	1	1	1	2	2	2	2	1	
Total	1	0										0	

Alternatives	Sacramento River Salmon	San Joaquin River Salmon
Alternative 2	**Score: -1** Uncertainty: 3 - Interior-Delta survival would be improved. - Improvement would be outweighed by reduced flows below Hood, juvenile entrainment losses at the Hood screen, and the barrier to adult upstream migration (increased straying and delayed migration).	**Score: +3** Uncertainty: 3 - Improved flow distribution in the interior Delta would increase survival. - Improved screens in the south Delta would provide a substantial benefit.

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Salmon

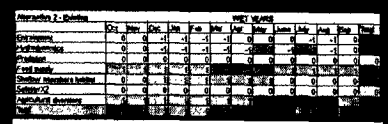
Alternatives	Sacramento River Salmon	San Joaquin River Salmon
Alternative 2	Score: -1 Uncertainty: 3 - Interior-Delta survival would be improved. - Improvement would be outweighed by reduced flows below Hood, juvenile entrainment losses at the Hood screen, and the barrier to adult upstream migration (increased straying and delayed migration).	Score: +3 Uncertainty: 3 - Improved flow distribution in the interior Delta would increase survival. - Improved screens in the south Delta would provide a substantial benefit.

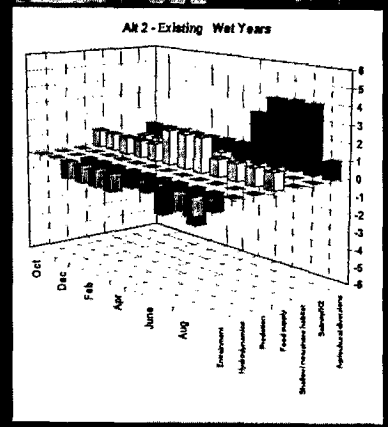
Sacramento River Salmon
Alt 2 (without storage)

San Joaquin River Salmon
Alt 2 (without storage)

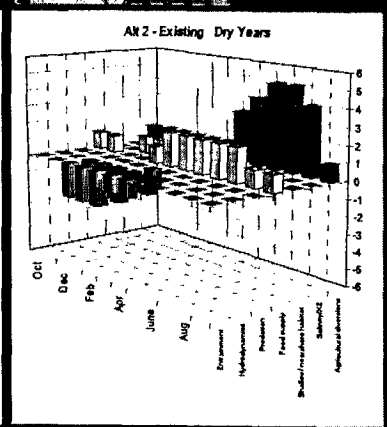
Net Effects Matrices with Common Programs
Alternative 2 - Existing Conditions

Wet Years





Dry Years



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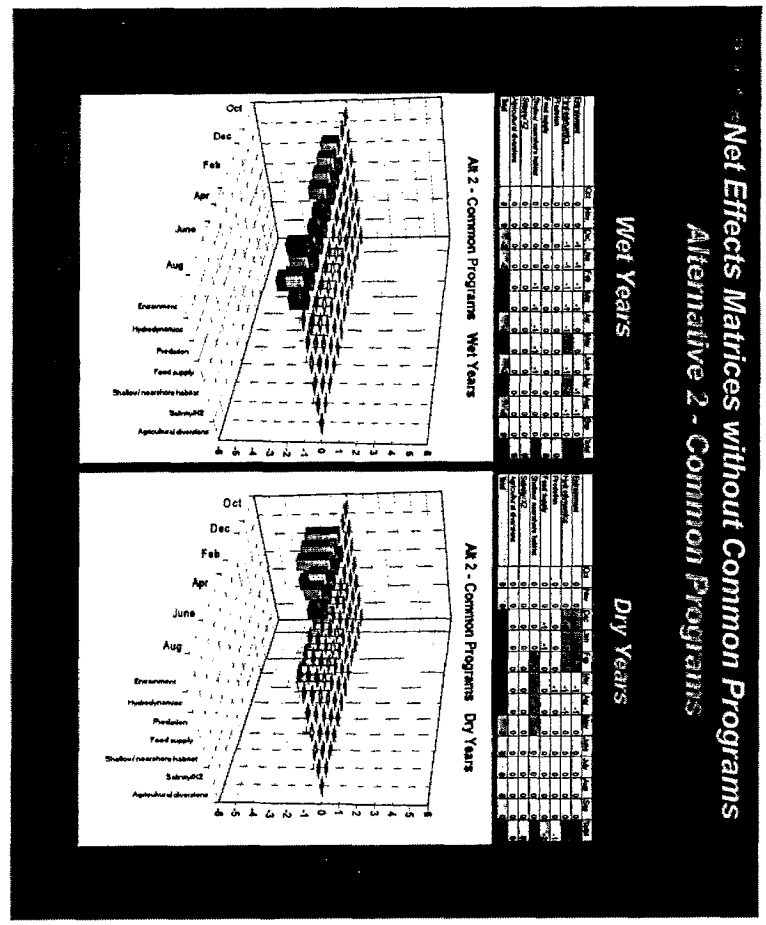
Net Effects Matrices without Common Programs
Alternative 2 - Common Programs
Wet Years
Dry Years
Alt 2 - Common Programs Wet Years
Alt 2 - Common Programs Dry Years
Oct
Dec
Feb
Apr
June
Aug
Entrainment
Hydrodynamics
Predation
Food supply
Shallow/nearshore habitat
Salinity/H2
Agricultural diversions