Diversion Effects on Delta Smelt: Existing Conditions WET YEARS

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

Diversion Effects on Delta Smelt: Existing Conditions DRY YEARS

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

Diversion Effects on Delta Smelt: No Action Conditions WET YEARS

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

Diversion Effects on Delta Smelt: No Action Conditions DRY YEARS

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

Diversion Effects on Delta Smelt: Common Programs WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-1	-1	-2		-2	-2	-1	0	
Entrainment (export)	0	0	-1	-1	-1	-1	-2		-2	-2	-1	0	
CCF predation	0	0	-1	-1	-1	-1	-2		-2	-2	-1	0	
Handling	0	0	0	0	0	0	-1	-2	-1	-1	0	0	
Hydrodynamics	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
Cross -Delta Flow	0	0	0	0	0	0	0	0	0	0	0	0	
Qwest	0	0	0	0	0	0	0	0	0	0	0	0	
Old River @Bacon Island	0	0	-1	-1	-1	-1	-1	-1	-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	-5
Shallow/ nearshore habitat	0	0	0	0	-1	-1	-1	-1	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	-8
Total	-2	-2				-2						-1	-1

Diversion Effects on Delta Smelt: Common Programs DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-1	-2	-2				-2	0	
Entrainment (export)	0	0	-1	-1	-1	-2	-2				-2	0	
CCF predation	0	0	-1	-1	-1	-2	-2				-2	0	
Handling	0	0	-1	-1	-1	-2	-2				-2	0	
Hydrodynamics	0	0	-1	-1	-1	-2	-2				-2	0	
Cross -Delta Flow	0	0	-1	-1	-1	-2	-2				-2	0	
Qwest	0	0	-1	-1	-1	-2	-2				-2	0	
Old River @Bacon Island	0	0	-1	-1	-1	-2	-2				-2	0	
Sac River @ Rio Vista	0	0	0	0	0	0	-1	-2	-2	-2	-1	0	
SJ River @ Antioch	0	0	-1	-1	-1	-2	-2				-2	0	
Predation	0	0	-1	-1	-1	-1	-2	-2	-2	-2	-2	0	
Food supply	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	0	
Shallow/ nearshore habitat	0	0	0	0	-1	-1	-1	1	0	0	0	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	-8
Total	-1	-1	0									0	-1

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Diversion Effects on Delta Smelt: Alternative 1 — WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-2	-2	-2		-2		-2	0	
Entrainment (export)	0	0	-1	-1	-2	-1	-2		-2	-2	-1	0	
CCF predation	0	0	-1	-1	-1	-1	-2		-2	-2	-1	0	
Handling	0	0	0	0	-1	-1	-1	-2	-1	-2	-1	0	
Hydrodynamics	0	0	-1	-1	-2	-2	-1	-2	-2	-2	-2	0	
Cross -Delta Flow	0	0	0	0	0	0	0	0	0	0	0	0	
Qwest	0	0	0	-1	-1	-1	0	0	0	-1	-1	0	
Old River @Bacon Island	0	0	-1	-1	-1	-1	-1	-1	-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	0
Shallow/ nearshore habitat	0	0	0	0	-1	-1	-1	-1	-1	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	0
Total	-2	-2										-1	

Diversion Effects on Delta Smelt: Alternative 1 — DRY YEARS

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

Diversion Effects on Delta Smelt: Alternative 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	0
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	0
Total	-2	-2										-1	

Diversion Effects on Delta Smelt: Alternative 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	0	0	0	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	

Diversion Effects on Delta Smelt: Alternative 3 — WET YEARS

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

Diversion Effects on Delta Smelt: Alternative 3 — DRY YEARS

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

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DEFT Alternative 9/11/98 — WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	0	0	0	0	0	-1	-2	-1	0	0	
Entrainment (export)	0	0	-1	0	0	0	-2	-1	-1	-1	-1	0	
CCF predation	0	0	0	0	0	0	0	0	0	0	0	0	
Handling	0	0	0	0	-1	-1	-1	-2	-2	-1	0	0	
Hydrodynamics	0	0	0	-1	-1	0	0	0	0	-1	-1	0	
Cross -Delta Flow	0	0	0	0	0	0	0	0	0	0	0	0	
Qwest	0	0	0	0	0	0	0	0	0	0	0	0	
Old River @Bacon Island	0	0	-1	-2	-2	0	0	0	0	-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	15
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	16
Total	2	2	-1	-2		1	3	1			-2	-1	

DEFT Alternative 9/11/98 — DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	0	0	0	-1	-1	-2	-2	-2	-2	0	
Entrainment (export)	0	0	0	0	0	0	1	0	-1	0		0	
CCF predation	0	0	0	0	0	0	0	0	0	0	0	0	
Handling	0	0	0	0	0	-1	-2	-2	-2	-2	-1	0	
Hydrodynamics	0	0	-1	-1	-1	-2	-1	-2	-2		-2	0	
Cross -Delta Flow	0	0	-1	-1	-1	-2	-2				-2	0	
Qwest	0	0	-1	-1	-1	-2	0	-2	-2		-2	-1	
Old River @Bacon Island	0	0	-1	-1	-1	-2	0	-2	-2		-2	0	
Sac River @ Rio Vista	0	0	-2	-2	-2	-2	-1	-1	-1	-2	-1	0	
SJ River @ Antioch	0	0	-1	-1	-1	-2	0	-1	0	1	-2	0	
Predation	0	0	-1	-1	-1	-1	-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	0	0	0	0	
Salinity/X2	0	0	1	1	0	0	0	0	1	1	1	0	
Agricultural diversions	1	1	1	1	1	1	1	2	2	2	2	1	16
Total	1	1										0	

DEFT Alt-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	0	2	2	0	16
Entrainment (export)	0	0	0	1	1	1			1	0	0	0	2
CCF predation	0	0	1	1	2	2	2		2	2	1	0	16
Handling	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrodynamics	0	0	2	1	1	2	2		2	2	1	0	16
Cross -Delta Flow	0	0	2	2	2	2	2	2	2	2	2	0	18
Qwest	0	0	0	0	0	0	0	0	0	0	0	0	0
Old River @Bacon Island	0	0	0	0	0	2	2	2	1	0	0	0	7
Sac River @ Rio Vista	0	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	0
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	2										1	0

DEFT Alt-Alt 2 — DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0				2	2	1	1	1	0	0	13
Entrainment (export)	0	0	1	1	1	1			2		-1	0	1
CCF predation	0	0	1	1	2	2	2			2	2	0	10
Handling	0	0	1	1	1	1	0	1	1	1	1	0	8
Hydrodynamics	0	0	2	2	2	1	2	1	1	0	0	0	12
Cross -Delta Flow	0	0	1	1	1	0	0	0	0	0	0	0	3
Qwest	0	0	-1	-1	-1	-2	0	-2	-1	-2	-1	-1	
Old River @Bacon Island	0	0	0	1	1	0	2	1	1	0	0	0	6
Sac River @ Rio Vista	0	0	0	0	0	0	0	0	1	0	0	0	1
SJ River @ Antioch	0	0	-1	-1	-1	2	0	-1	0	1	2	0	7
Predation	0	0	0	0	0	1	0	0	0	0	0	0	1
Food supply	0	0	0	0	0	0	0	0	0	0	0	0	0
Shallow/ nearshore habitat	0	0	0	0	0	0	0	0	0	0	0	0	0
Salinity/X2	1	1	1	1	-1	-1	-1	2	2	2	2	1	12
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	1									1	0	

D-061994

D-061994

Net Effects Matrices with Common Programs Included

Net Effects Matrices with Common Programs Included
No Action Conditions - Existing
WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	0	0	-1	-1	0	0	0	-1	-1	0	
Hydrodynamics	0	0	0	0	-1	-1	0	-1	-1	-1	-1	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	-2	-2	0	-1	-1	-2	-2	0	

Net Effects Matrices with Common Programs Included

Net Effects Matrices with Common Programs Included
No Action Conditions - Existing
DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-1	-1	0	0	0	0	0	0	
Hydrodynamics	0	0	-1	-1	-1	-1	0	0	0	0	0	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	-1	-1	0	0	0	0	0	0	0	0	-2
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	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0			-2	-2	0	0	0	0	0	0	

Net Effects Matrices with Common Programs Included
Common Programs - Existing
WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrodynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	1	1	1	2	2	2	1	1	1	1	15
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	1	0	0	0	
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	1	3	4	4	4	1	23
Total	2	2									6	2	15

Net Effects Matrices with Common Programs Included
Common Programs - Existing
DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrodynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	1	1	1	2	2	2	2	2	1	1	17
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	0	0	0	0	
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1						1	
Total	2												

D-061995

D-061995

Net Effects Matrices with Common Programs Included
Alternative 1 - Existing
WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	0	0	-1	-1	0	0	0	-1	-1	0	[illegible]
Hydrodynamics	0	0	0	0	-1	-1	0	-1	-1	-1	-1	0	[illegible]
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	1	1	1	2	2	2	1	1	1	1	15
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	1	0	0	0	[illegible]
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	1	[illegible]	[illegible]	[illegible]	[illegible]	1	23
Total	2	2	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	[illegible]

Net Effects Matrices with Common Programs Included
Alternative 1 - Existing
DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-1	-1	0	0	0	0	0	0	[illegible]
Hydrodynamics	0	0	-1	-1	-1	-1	0	0	0	0	0	0	[illegible]
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	0	0	1	2	2	2	2	2	1	1	[illegible]
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	0	0	0	0	[illegible]
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]
Total	[illegible]	2	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Net Effects Matrices with Common Programs Included
Alternative 2 - Existing
WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-1	-1	0	0	0	-1	-1	0	[illegible]
Hydrodynamics	0	0	-1	-1	-1	-1	-1	2	-1	2	-1	0	[illegible]
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	1	1	1	2	2	2	1	1	1	1	15
Shallow/ nearshore habitat	0	0	1	1	1	1	1	1	0	0	0	0	[illegible]
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	1	[illegible]	[illegible]	[illegible]	[illegible]	1	23
Total	2	2	1	1	1	2	[illegible]	[illegible]	[illegible]	2	[illegible]	2	[illegible]

Net Effects Matrices with Common Programs Included
Alternative 2 - Existing
DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	2	2	2	-1	-1	0	0	0	0	0	[illegible]
Hydrodynamics	0	0	2	2	2	-1	-1	0	0	0	0	0	[illegible]
Predation	0	0	0	0	0	-1	0	0	0	0	0	0	-1
Food supply	1	1	0	0	1	2	2	2	2	2	1	1	[illegible]
Shallow/ nearshore habitat	0	0	1	1	0	0	0	0	0	0	0	0	[illegible]
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	26
Total	2	2	2	2	2	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Net Effects Matrices with Common Programs Included
Alternative 3 - Existing
WET YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	2	2	2	2	[illegible]	[illegible]	[illegible]	[illegible]	2	0	[illegible]
Hydrodynamics	0	0	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	2	0	[illegible]
Predation	0	0	1	1	1	1	1	1	1	1	1	0	[illegible]
Food supply	1	1	1	1	1	2	2	2	1	1	1	1	15
Shallow/ nearshore habitat	0	0	2	2	[illegible]	[illegible]	[illegible]	[illegible]	2	1	1	0	20
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	1	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]
Total	2	2	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	16

Net Effects Matrices with Common Programs Included
Alternative 3 - Existing
DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	
Entrainment	0	0	2	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]
Hydrodynamics	0	0	1	1	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]
Predation	0	0	1	1	1	2	[illegible]	[illegible]	[illegible]	[illegible]	2	0	[illegible]
Food supply	1	1	0	0	1	2	2	2	2	2	1	1	[illegible]
Shallow/ nearshore habitat	0	0	2	2	[illegible]	[illegible]	[illegible]	1	1	1	1	0	[illegible]
Salinity/X2	0	0	0	0	0	0	0	0	0	1	1	0	[illegible]
Agricultural diversions	1	1	1	1	1	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

D-061996

D-061996

Net Effects Matrices with Common Programs included
DEFT 9/10/98 - Existing

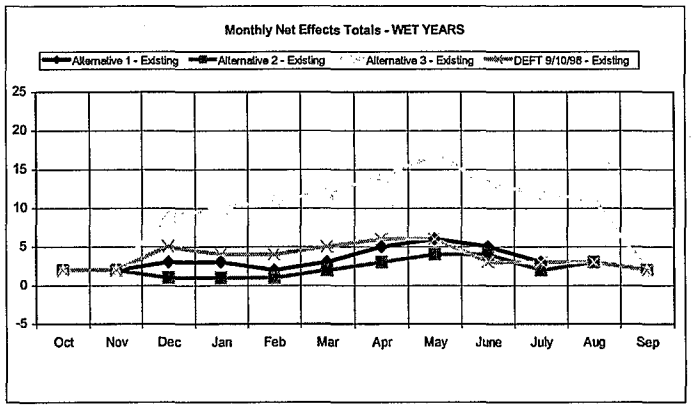
WET YEARS

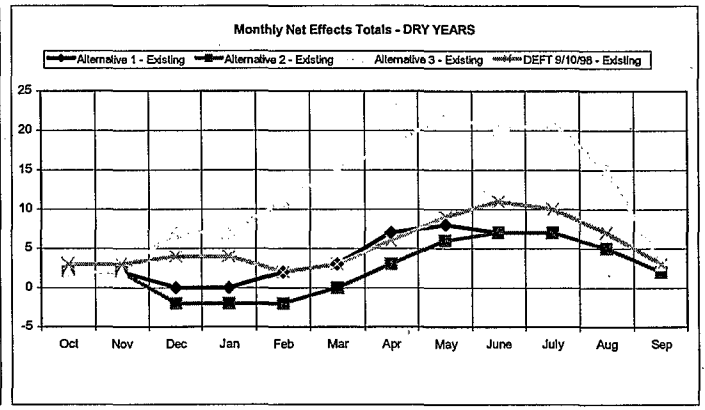
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	1	1	1	1	2	2	0	1	1	0	
Hydrodynamics	0	0	1	0	0	1	1	1	1	0	0	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	1	1	1	1	1	1	1	1	1	1	
Shallow/ nearshore habitat	0	0	1	1	1	1	1	1	0	0	0	0	
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	1	1	1	1	1	1	
Total	2	2										2	

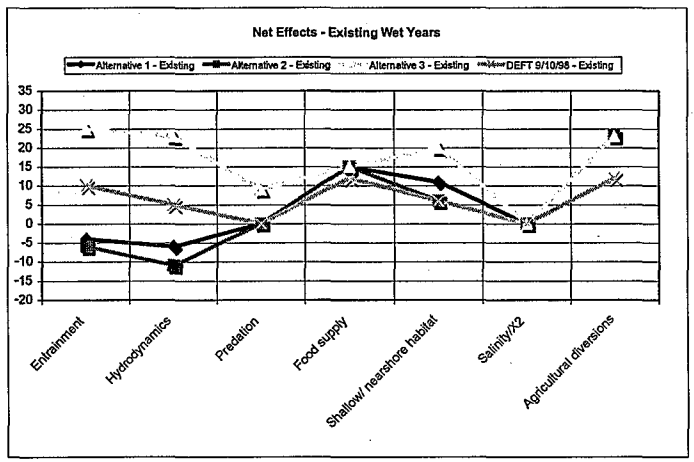
Net Effects Matrices with Common Programs included
DEFT 9/10/98 - Existing

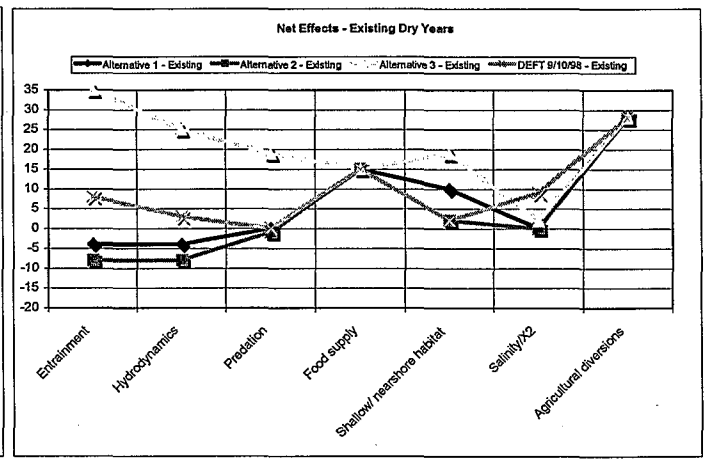
DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	1	1	1	1	1	1	1	1	0	0	
Hydrodynamics	0	0	0	0	0	0	1	1	1	0	0	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	0	0	1	2	2	2	2	2	1	1	
Shallow/ nearshore habitat	0	0	1	1	0	0	0	0	0	0	0	0	
Salinity/X2	1	1	1	1	-1	-1	-1	1	2	2	2	1	
Agricultural diversions	1	1	1	1	1	1						1	
Total					2						0		









D-061997

D-061997

Alternative Matrices WITHOUT Common Programs

Alternative Matrices WITHOUT Common Programs

Alternative Matrices WITHOUT Common Programs
Alternative 1 - Common Programs **WET YEARS**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	0	0	-1	-1	0	0	0	-1	-1	0	
Hydrodynamics	0	0	0	0	-1	-1	0	-1	-1	-1	-1	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	-2	-2	0	-1	-1	-2	-2	0	

Alternative Matrices WITHOUT Common Programs
Alternative 1 - Common Programs **DRY YEARS**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-1	-1	0	0	0	0	0	0	
Hydrodynamics	0	0	-1	-1	-1	-1	0	0	0	0	0	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	-1	-1	0	0	0	0	0	0	0	0	-2
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	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0			-2	-2	0	0	0	0	0	0	

Alternative Matrices WITHOUT Common Programs
Alternative 2 - Common Programs **WET YEARS**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-1	-1	-1	-1	0	0	0	-1	-1	0	
Hydrodynamics	0	0	-1	-1	-1	-1	-1	-2	-1	-2	-1	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	0	0	0	0	0	0	0	0	0	0	0
Shallow/ nearshore habitat	0	0	0	0	-1	-1	-1	-1	-1	0	0	0	
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	-2	-2			-2		-2		-2	0	

Alternative Matrices WITHOUT Common Programs
Alternative 2 - Common Programs **DRY YEARS**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	
Hydrodynamics	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	
Predation	0	0	0	0	0	-1	0	0	0	0	0	0	-1
Food supply	0	0	-1	-1	0	0	0	0	0	0	0	0	-2
Shallow/ nearshore habitat	0	0	0	0	-2	-2	-2	-2	0	0	0	0	
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0					-2	0	0	0	0	0	

Alternative Matrices WITHOUT Common Programs
Alternative 3 - Common Programs **WET YEARS**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-2	-2	-2	-2					-2	0	
Hydrodynamics	0	0	-2	-1					-2	-2	-2	0	
Predation	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
Food supply	0	0	0	0	0	0	0	0	0	0	0	0	0
Shallow/ nearshore habitat	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
Salinity/X2	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0										0	

Alternative Matrices WITHOUT Common Programs
Alternative 3 - Common Programs **DRY YEARS**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	-2	-2								-1	
Hydrodynamics	0	0	-1	-1	-2							0	
Predation	0	0	-1	-1	-1	-2					-2	0	
Food supply	0	0	-1	-1	0	0	0	0	0	0	0	0	-2
Shallow/ nearshore habitat	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	
Salinity/X2	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	-1	-1	0	-2
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0										-1	

D-061999

D-061999

Alternative Matrices WITHOUT Common Programs
DEFT 9/10/98 - Common Programs

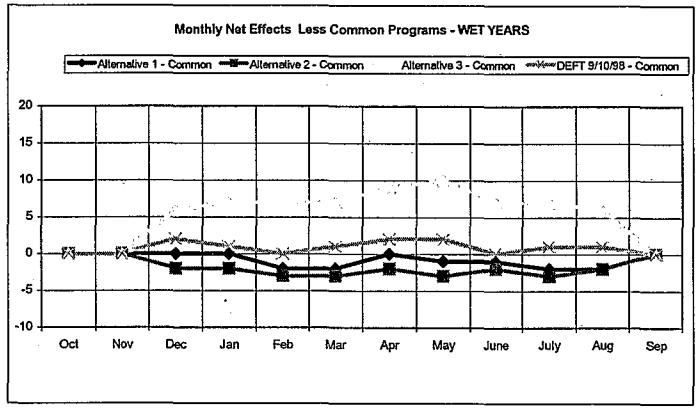
WET YEARS

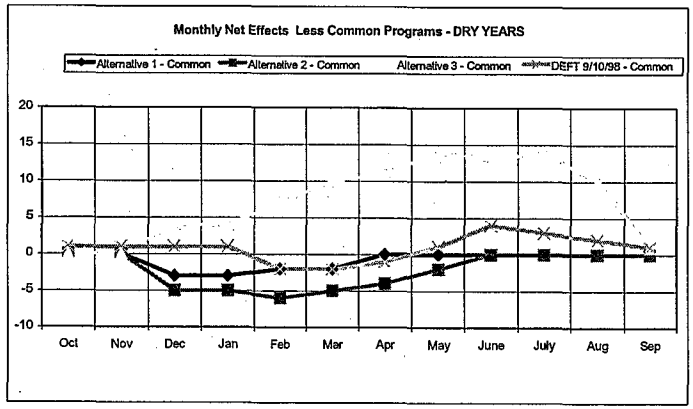
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	1	1	1	1	2	2	0	1	1	0	
Hydrodynamics	0	0	1	0	0	1	1	1	1	0	0	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	0	0	0	0	0	0	0	0	0	0	0
Shallow/ nearshore habitat	0	0	0	0	-1	-1	-1	-1	-1	0	0	0	
Salinity/X2	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	2	1	0	1	2	2	0	1	1	0	

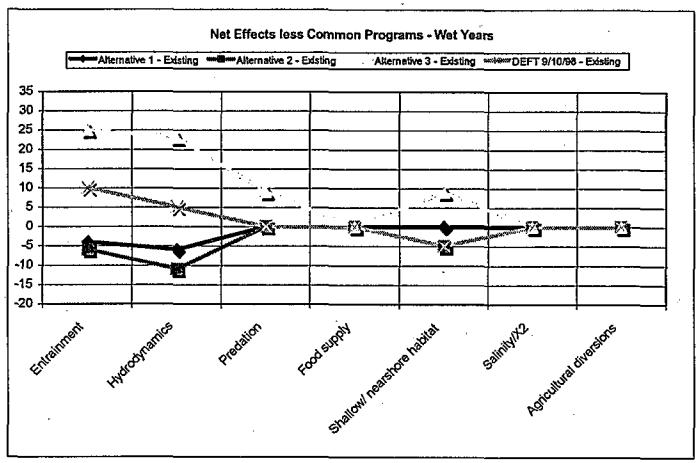
Alternative Matrices WITHOUT Common Programs
DEFT 9/10/98 - Common Programs

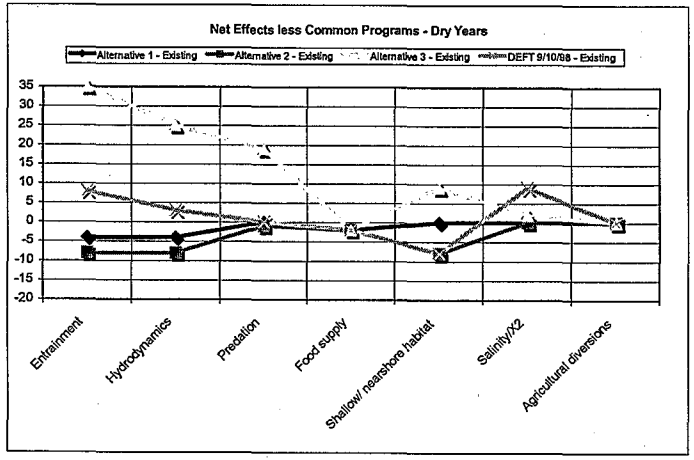
DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	0	0	1	1	1	1	1	1	1	1	0	0	
Hydrodynamics	0	0	0	0	0	0	1	1	1	0	0	0	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	-1	-1	0	0	0	0	0	0	0	0	-2
Shallow/ nearshore habitat	0	0	0	0	-2	-2	-2	-2	0	0	0	0	
Salinity/X2	1	1	1	1	-1	-1	-1	1	2	2	2	1	
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	1	1	1	-2	-2	-1	1			2	1	









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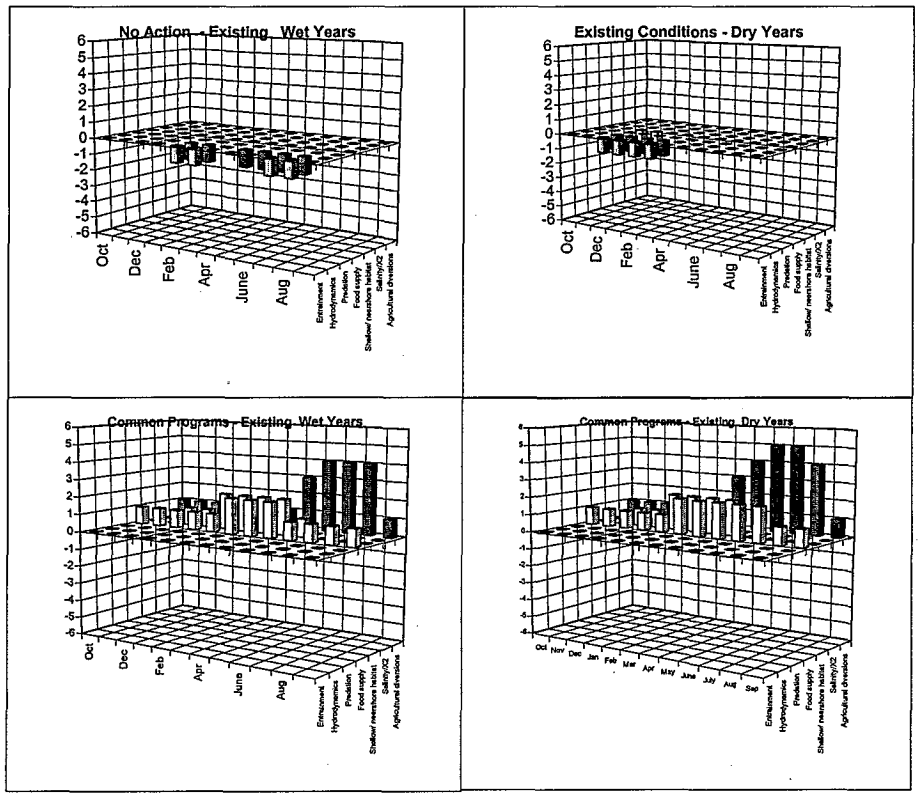
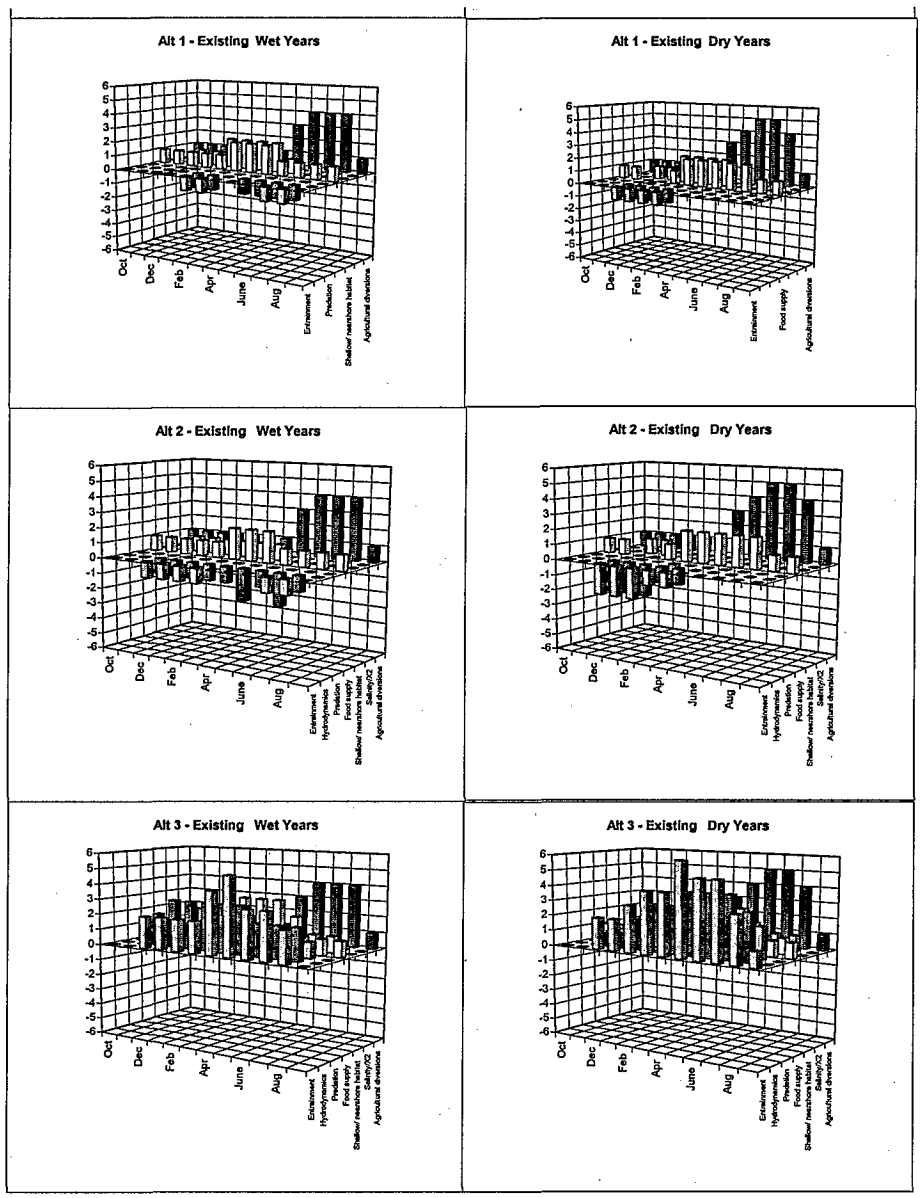
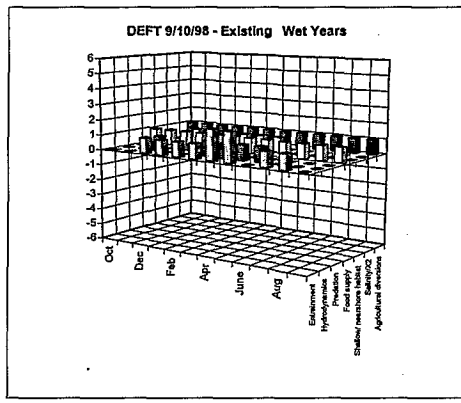

No Action - Existing Wet Years
Existing Conditions - Dry Years
Common Programs - Existing Wet Years
Common Programs - Existing Dry Years
6
5
4
3
2
1
0
-1
-2
-3
-4
-5
-6
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
June
July
Aug
Sep
Entrainment
Hydrodynamics
Predation
Food supply
Shallow nearshore habitat
Salinity/X2
Agricultural diversions


Alt 1 - Existing Wet Years
Alt 1 - Existing Dry Years
Alt 2 - Existing Wet Years
Alt 2 - Existing Dry Years
Alt 3 - Existing Wet Years
Alt 3 - Existing Dry Years
Oct
Dec
Feb
Apr
June
Aug
Entrainment
Hydrodynamics
Predation
Food supply
Shallow/ nearshore habitat
Salinity/X2
Agricultural diversions


DEFT 9/10/98 - Existing Wet Years
6
5
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2
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0
-1
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-4
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Oct
Dec
Feb
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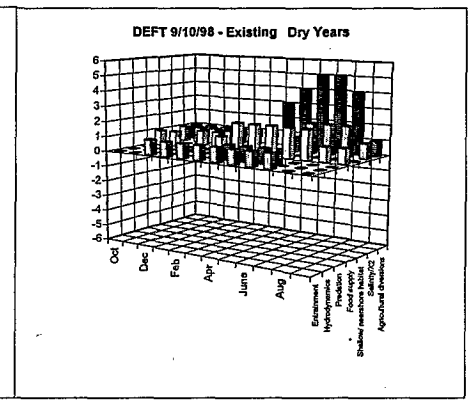
June
Aug
Entrainment
Hydrodynamics
Predation
Food supply
Shallow nearshore habitat
Agricultural diversions


DEFT 9/10/98 - Existing Dry Years
6
5
4
3
2
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0
-1
-2
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Oct
Dec
Feb
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June
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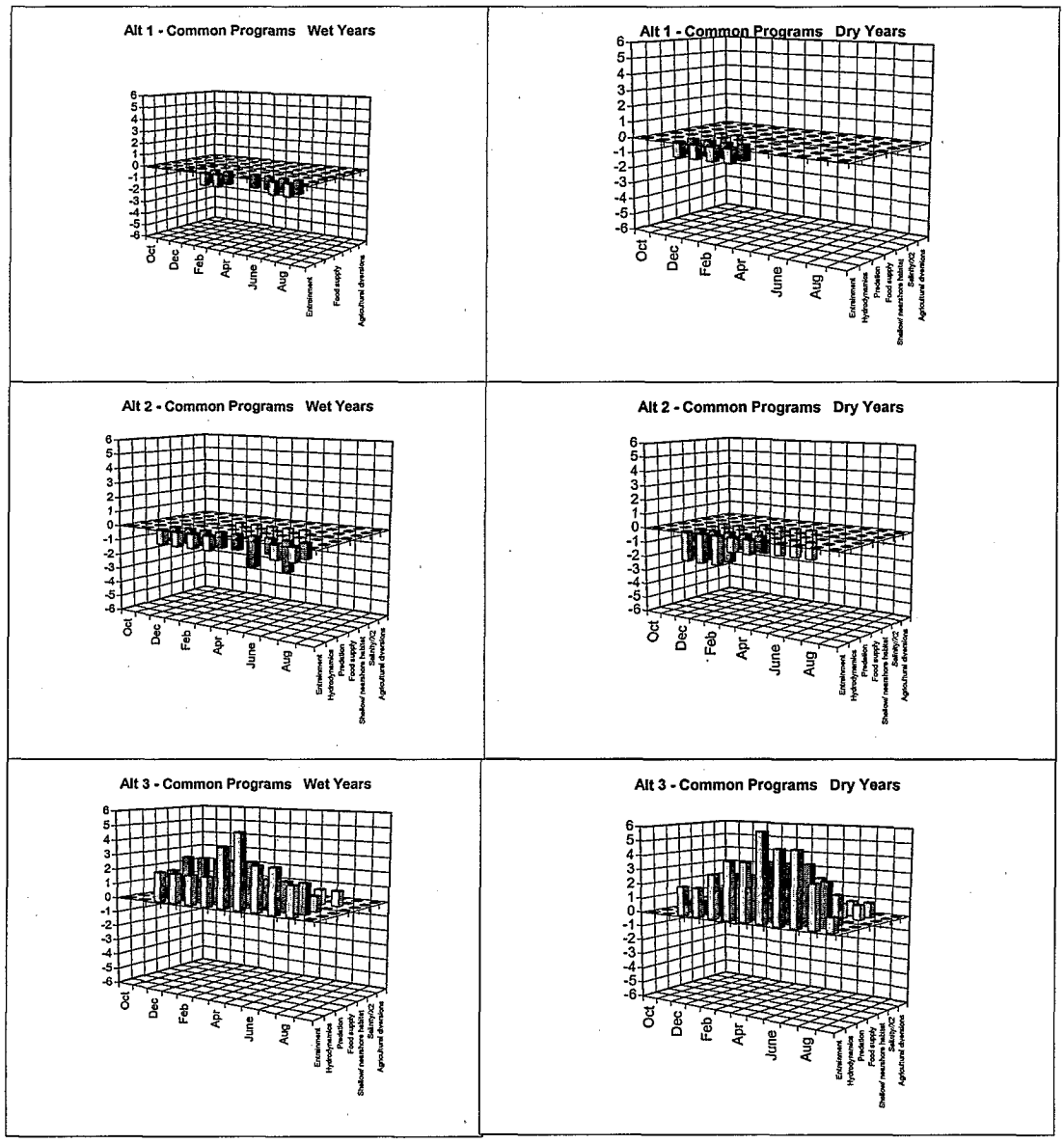
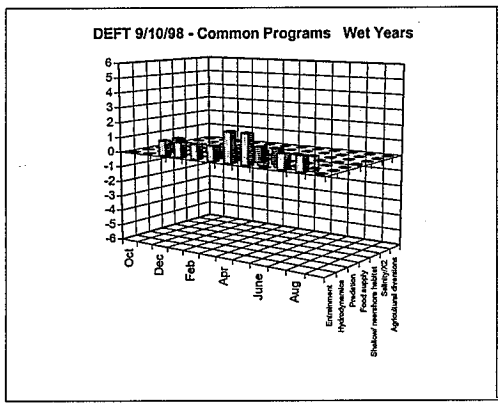
Entrainment
Hydrodynamics
Predation
Food supply
Shallow nearshore habitat
Agricultural diversions


Alt 1 - Common Programs Wet Years
Alt 1 - Common Programs Dry Years
Alt 2 - Common Programs Wet Years
Alt 2 - Common Programs Dry Years
Alt 3 - Common Programs Wet Years
Alt 3 - Common Programs Dry Years
6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6
Oct
Dec
Feb
Apr
June
Aug
Entrainment
Hydrodynamics
Predation
Food supply
Shallow nearshore habitat
Salinity/X2
Agricultural diversions


DEFT 9/10/98 - Common Programs Wet Years
6
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-3
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Oct
Dec
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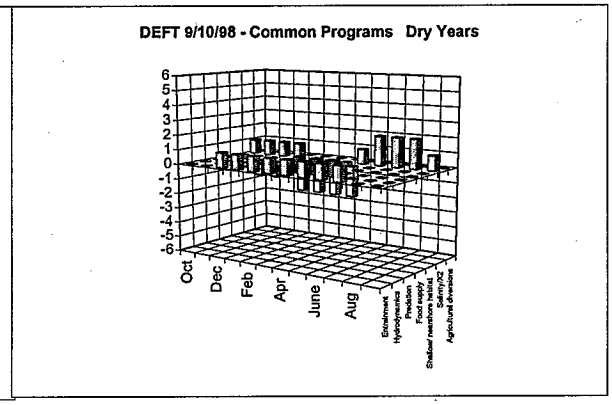
June
Aug
Entrainment
Hydrodynamics
Predation
Food supply
Shallow/ nearshore habitat
Salinity/X2
Agricultural diversions


DEFT 9/10/98 - Common Programs Dry Years
6
5
4
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2
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-1
-2
-3
-4
-5
-6
Oct
Dec
Feb
Apr
June
Aug
Entrainment
Hydrodynamics
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Shallow/ nearshore habitat
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Agricultural diversions