

Diversion Effects on Delta Smelt: Existing (Baseline) Conditions WET YEARS

Table with 13 columns (Oct-Sep) and 13 rows (Entrainment, Hydrodynamics, Predation, Handling, Food supply, Shallow/ nearshore habitat, Water quality (toxics), Water quality (temperature), WQ (salinity), Agricultural diversions).

Diversion Effects on Delta Smelt: Existing (Baseline) Conditions DRY YEARS

Table with 13 columns (Oct-Sep) and 13 rows (Entrainment, Hydrodynamics, Predation, Handling, Food supply, Shallow/ nearshore habitat, Water quality (toxics), Water quality (temperature), WQ (salinity), Agricultural diversions).

Diversion Effects on Delta Smelt: No Action Conditions WET YEARS

Table with 13 columns (Oct-Sep) and 13 rows (Entrainment, Hydrodynamics, Predation, Handling, Food supply, Shallow/ nearshore habitat, Water quality (toxics), Water quality (temperature), WQ (salinity), Agricultural diversions).

Diversion Effects on Delta Smelt: No Action Conditions DRY YEARS

Table with 13 columns (Oct-Sep) and 13 rows (Entrainment, Hydrodynamics, Predation, Handling, Food supply, Shallow/ nearshore habitat, Water quality (toxics), Water quality (temperature), WQ (salinity), Agricultural diversions).

Diversion Effects on Delta Smelt: Common Programs WET YEARS

Table with 13 columns (Oct-Sep) and 13 rows (Entrainment, Hydrodynamics, Predation, Handling, Food supply, Shallow/ nearshore habitat, Water quality (toxics), Water quality (temperature), WQ (salinity), Agricultural diversions).

Diversion Effects on Delta Smelt: Common Programs DRY YEARS

Table with 13 columns (Oct-Sep) and 13 rows (Entrainment, Hydrodynamics, Predation, Handling, Food supply, Shallow/ nearshore habitat, Water quality (toxics), Water quality (temperature), WQ (salinity), Agricultural diversions).

Diversion Effects on Delta Smelt: Alternative 1

	WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	0	0	-1	-1	-2	-2	-1	-3	-2	-3	-2	0
Hydrodynamics	0	0	-1	-1	-2	-2	-1	-3	-2	-3	-2	0
Predation	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
Handling	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
Shallow/ nearshore habitat	0	0	0	0	1	1	1	1	1	0	0	0
Water quality (toxics)	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-2	-2	-1
Agricultural diversions	1	1	1	1	1	0	0	1	2	2	2	1

Diversion Effects on Delta Smelt: Alternative 1

	DRY YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2	0
Hydrodynamics	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2	0
Predation	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2	0
Handling	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-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
Water quality (toxics)	0	0	0	0	0	0	0	0	-1	-1	-1	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	-1	-1	-1	-1	0	0	1	-1	-1	-1	-1	-1
Agricultural diversions	1	1	1	1	0	0	1	1	2	2	2	1

Diversion Effects on Delta Smelt: Alternative 2

	WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	0	0	-2	-2	-2	-2	-2	-3	-2	-3	-2	0
Hydrodynamics	0	0	-2	-2	-2	-2	-2	-3	-2	-3	-2	0
Predation	0	0	-2	-2	-2	-2	-2	-3	-2	-3	-2	0
Handling	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
Shallow/ nearshore habitat	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (toxics)	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-2	-2	-1
Agricultural diversions	1	1	1	1	1	0	0	1	2	2	2	1

Diversion Effects on Delta Smelt: Alternative 2

	DRY YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-2	0
Hydrodynamics	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-2	0
Predation	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-2	0
Handling	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-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
Water quality (toxics)	0	0	0	0	0	0	0	0	-1	-1	-1	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	-1	-1	-1	-2	-1	-1	0	-2	-2	-1	-1	-1
Agricultural diversions	1	1	1	1	0	0	1	1	2	2	2	1

Diversion Effects on Delta Smelt: Alternative 3

	WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	1	1	2	2	2	2	3	3	2	1	1	1
Hydrodynamics	1	1	1	2	3	3	3	3	1	1	1	1
Predation	0	0	0	0	0	0	0	0	0	0	0	0
Handling	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
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	1	1	0	0
Water quality (toxics)	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-2	-2	-1
Agricultural diversions	1	1	1	1	1	0	0	1	2	2	2	1

Diversion Effects on Delta Smelt: Alternative 3

	DRY YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	1	1	1	1	2	2	3	3	2	1	1	1
Hydrodynamics	1	1	0	0	0	-1	2	2	2	2	2	1
Predation	0	0	0	0	0	1	1	1	1	1	0	0
Handling	1	1	1	1	2	2	3	3	2	1	1	1
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
Water quality (toxics)	0	0	0	0	0	0	0	0	-1	-1	-1	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	-1	-1	-1	-3	-2	-2	-1	-3	-3	-2	-1	-1
Agricultural diversions	1	1	1	1	0	0	1	1	2	2	2	1

Net Effects Matricies with Common Programs included

No Action Conditions - Existing

WET YEARS

No Action Conditions - Existing

DRY 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	-4
Hydrodynamics	0	0	0	0	-1	-1	0	-2	-1	-2	-1	0	-8
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Handling	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
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-1	-1	0	-4
Agricultural diversions	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3

	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	-4
Hydrodynamics	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
Predation	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
Handling	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
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
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
Agricultural diversions	0	0	0	0	-1	-1	-1	-1	0	0	0	0	-4

Common Programs - Existing

WET YEARS

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
Handling	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	1	0	0	0	0	11
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	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

	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
Handling	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	2	1	17
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	0	0	0	0	10
Water quality (toxics)	1	0	0	1	1	1	1	1	1	1	1	1	10
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural diversions	1	1	1	1	1	1	4	4	5	5	4	1	29

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	-4
Hydrodynamics	0	0	0	0	-1	-1	0	-2	-1	-2	-1	0	-8
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0
Handling	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	11
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-1	-1	0	-4
Agricultural diversions	1	1	1	1	1	0	0	2	4	4	4	1	20

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	-4
Hydrodynamics	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
Predation	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
Handling	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
Food supply	1	1	0	0	1	2	2	2	2	2	1	1	15
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	0	0	0	0	10
Water quality (toxics)	1	0	0	1	1	1	1	1	1	1	1	1	10
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4
Agricultural diversions	1	1	1	1	0	0	3	3	5	5	4	1	25

Alternative 2 - Existing

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	-1	0	0	-1	-1	0	-7
Hydrodynamics	0	0	-1	-1	-1	-1	-1	-2	-1	-2	-1	0	-11
Predation	0	0	-1	-1	-1	-1	-1	-2	-1	-2	-1	0	-11
Handling	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	0	0	0	0	0	6
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-1	-1	0	-4
Agricultural diversions	1	1	1	1	1	0	0	2	4	4	4	1	20

Alternative 2 - Existing

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	-8
Hydrodynamics	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	-8
Predation	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	-8
Handling	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	-8
Food supply	1	1	0	0	1	2	2	2	2	2	1	1	15
Shallow/ nearshore habitat	0	0	1	1	0	0	0	0	0	0	0	0	2
Water quality (toxics)	1	0	0	1	1	1	1	1	1	1	1	1	10
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	-1	-2	-2	-2	-1	-1	-1	0	0	0	-10
Agricultural diversions	1	1	1	1	0	0	3	3	5	5	4	1	25

Alternative 3 - Existing

Alternative 3 - Existing	WET YEARS												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	1	1	3	3	3	3	4	6	4	3	2	1	34
Hydrodynamics	1	1	2	3	4	4	4	4	2	2	2	1	30
Predation	0	0	1	1	1	1	1	1	1	1	1	0	9
Handling	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	2	2	3	3	3	3	2	1	1	0	20
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-1	-1	0	-4
Agricultural diversions	1	1	1	1	1	0	0	2	4	4	4	1	20

Alternative 3 - Existing

Alternative 3 - Existing	DRY YEARS												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Total
Entrainment	1	1	2	2	3	4	5	6	5	4	3	1	37
Hydrodynamics	1	1	1	1	1	1	4	5	5	5	4	1	30
Predation	0	0	1	1	1	3	3	4	4	4	2	0	23
Handling	1	1	2	2	3	4	5	6	5	4	3	1	37
Food supply	1	1	0	0	1	2	2	2	2	2	1	1	15
Shallow/ nearshore habitat	0	0	2	2	3	3	3	3	1	1	1	0	19
Water quality (toxics)	1	0	0	1	1	1	1	1	1	1	1	1	10
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	-1	-3	-3	-3	-2	-2	-2	-1	0	0	-17
Agricultural diversions	1	1	1	1	0	0	3	3	5	5	4	1	25

Alternative Matrices WITHOUT Common Programs

Alternative 1 - Common Programs

	WET YEARS													Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep		
Entrainment	0	0	0	0	-1	-1	0	0	0	-1	-1	0	-4	
Hydrodynamics	0	0	0	0	-1	-1	0	-2	-1	-2	-1	0	-8	
Predation	0	0	0	0	0	0	0	0	0	0	0	0	0	
Handling	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	
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-1	-1	0	-4	
Agricultural diversions	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	

Alternative Matrices WITHOUT Common Programs

Alternative 1 - Common Programs

	DRY YEARS													Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep		
Entrainment	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4	
Hydrodynamics	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4	
Predation	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4	
Handling	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4	
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	
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	
WQ (salinity)	0	0	-1	-1	-1	-1	0	0	0	0	0	0	-4	
Agricultural diversions	0	0	0	0	-1	-1	-1	-1	0	0	0	0	-4	

Alternative 2 - Common Programs

	WET YEARS													Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep		
Entrainment	0	0	-1	-1	-1	-1	-1	0	0	-1	-1	0	-7	
Hydrodynamics	0	0	-1	-1	-1	-1	-1	-2	-1	-2	-1	0	-11	
Predation	0	0	-1	-1	-1	-1	-1	-2	-1	-2	-1	0	-11	
Handling	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	-5	
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-1	-1	0	-4	
Agricultural diversions	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	

Alternative 2 - Common Programs

	DRY YEARS													Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep		
Entrainment	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	-8	
Hydrodynamics	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	-8	
Predation	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	-8	
Handling	0	0	-2	-2	-2	-1	-1	0	0	0	0	0	-8	
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	-8	
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	
WQ (salinity)	0	0	-1	-2	-2	-2	-1	-1	-1	0	0	0	-10	
Agricultural diversions	0	0	0	0	-1	-1	-1	-1	0	0	0	0	-4	

Alternative 3 - Common Programs

	WET YEARS													Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep		
Entrainment	1	1	3	3	3	3	4	6	4	3	2	1	34	
Hydrodynamics	1	1	2	3	4	4	4	4	2	2	2	1	30	
Predation	0	0	1	1	1	1	1	1	1	1	1	0	9	
Handling	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	1	1	1	1	1	1	1	1	1	0	9	
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-1	-1	0	-4	
Agricultural diversions	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	

Alternative 3 - Common Programs

	DRY YEARS													Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep		
Entrainment	1	1	2	2	3	4	5	6	5	4	3	1	37	
Hydrodynamics	1	1	1	1	1	1	4	5	5	5	4	1	30	
Predation	0	0	1	1	1	3	3	4	4	4	2	0	23	
Handling	1	1	2	2	3	4	5	6	5	4	3	1	37	
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	9	
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	
WQ (salinity)	0	0	-1	-3	-3	-3	-2	-2	-2	-1	0	0	-17	
Agricultural diversions	0	0	0	0	-1	-1	-1	-1	0	0	0	0	-4	

Diversions	Diversions Effects on Delta Smelt: Existing (Baseline) Conditions												WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	0	0	-1	-1	-1	-1	-1	-3	-2	-2	-1	0	0	0	-1	-1	-1	-1	-1	-3	-2	-2	-1	0
Hydrodynamics	0	0	-1	-1	-1	-1	-1	-1	-1	-2	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
Predation	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
Handling	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	-1	-1	-1	-1	-1	-1	0	0	0	0
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1
Agricultural diversions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-2	0	0

Diversions	Diversions Effects on Delta Smelt: No Action Conditions												WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	0	0	-1	-1	-2	-2	-1	-3	-2	-3	-2	0	0	0	-1	-1	-2	-2	-1	-3	-2	-3	-2	0
Hydrodynamics	0	0	-1	-1	-2	-2	-1	-3	-2	-3	-2	0	0	0	-1	-1	-2	-2	-1	-3	-2	-3	-2	0
Predation	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
Handling	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	-1	-1	-1	-1	-1	-1	0	0	0	0
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	0	-2	-2	-1
Agricultural diversions	0	0	0	0	0	-1	-1	-2	-2	-2	-2	0	0	0	0	0	0	-1	-1	-2	-2	-2	0	0

Diversions	Diversions Effects on Delta Smelt: Common Programs												WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Entrainment	0	0	-1	-1	-1	-1	-1	-3	-2	-2	-1	0	0	0	-1	-1	-1	-1	-3	-2	-2	-1	0	
Hydrodynamics	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
Predation	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
Handling	0	0	0	0	0	0	0	0	0	0	0	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	1	1	1	1	1	2	2	2	1	1	1	1
Shallow/ nearshore habitat	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	-1	-1	0	0	0
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	0	0	0	0	0	0	0	0	0	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	1	1	1	1	1	1	1	2	2	2	2	1

Diversions Effects on Delta Smelt: Alternative 1										WET YEARS										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep								
Entrainment	0	0	-1	-1	-2	-2	-1	-3	-2	-3	-2	-2								
Hydrodynamics	0	0	-1	-1	-2	-2	-1	-3	-2	-2	-3	-2								
Predation	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
Handling	0	0	0	0	0	0	0	0	0	0	0	0								
Food supply	1	1	1	1	1	2	2	2	2	1	1	1								
Shallow/ nearshore habitat	0	0	0	0	1	1	1	-1	-1	-1	-1	0								
Water quality (toxics)	0	0	0	0	0	0	0	0	0	0	0	0								
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0								
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	0	-2	-2								
Agricultural diversions	1	1	1	1	1	0	0	1	2	2	2	2								

Diversions Effects on Delta Smelt: Alternative 2										WET YEARS										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep								
Entrainment	0	0	-2	-2	-2	-2	-2	-3	-2	-3	-2	-2								
Hydrodynamics	0	0	-2	-2	-2	-2	-2	-3	-2	-2	-3	-2								
Predation	0	0	-2	-2	-2	-2	-2	-3	-2	-2	-3	-2								
Handling	0	0	0	0	0	0	0	0	0	0	0	0								
Food supply	1	1	1	1	1	2	2	2	2	1	1	1								
Shallow/ nearshore habitat	0	0	0	0	0	0	0	0	0	0	0	0								
Water quality (toxics)	0	0	0	0	0	0	-1	-1	-1	-1	-1	0								
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0								
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	0	-2	-2								
Agricultural diversions	1	1	1	1	1	0	0	1	2	2	2	2								

Diversions Effects on Delta Smelt: Alternative 3										WET YEARS										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep								
Entrainment	1	1	2	2	2	2	3	3	2	2	1	1								
Hydrodynamics	1	1	1	2	3	3	3	3	1	1	1	1								
Predation	0	0	0	0	0	0	0	0	0	0	0	0								
Handling	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								
Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	2	1	1	1								
Water quality (toxics)	0	0	0	0	0	0	-1	-1	-1	-1	-1	0								
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0								
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	0	-2	-2								
Agricultural diversions	1	1	1	1	1	0	0	1	2	2	2	2								

Diverison Effects on Delta Smelt: Existing (Baseline) Conditions										DRY YEARS					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug				
Entrainment	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-3	-2			
Hydrodynamics	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-3	-2			
Predation	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-3	-2			
Handling	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-3	-2			
Food supply	0	-1	-1	-1	-2	-3	-3	-3	-3	-3	-3	-2			
Shallow/ nearshore habitat	0	0	-1	-1	-1	-1	-1	-1	0	0	0	0			
Water quality (toxics)	-1	0	0	-1	-1	-1	-1	-1	-2	-2	-2	-2			
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0			
WQ (salinity)	-1	-1	0	0	1	1	1	1	-1	-1	-1	-1			
Agricultural diversions	0	0	0	0	0	0	-2	-2	-3	-3	-2				

Diverison Effects on Delta Smelt: No Action Conditions										DRY YEARS					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug				
Entrainment	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2				
Hydrodynamics	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2				
Predation	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2				
Handling	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2				
Food supply	0	-1	-2	-2	-2	-3	-3	-3	-3	-3	-2				
Shallow/ nearshore habitat	0	0	-1	-1	-1	-1	-1	-1	0	0	0	0			
Water quality (toxics)	-1	0	0	-1	-1	-1	-1	-1	-2	-2	-2	-2			
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0			
WQ (salinity)	-1	-1	-1	-1	0	0	1	-1	-1	-1	-1	-1			
Agricultural diversions	0	0	0	0	-1	-1	-3	-3	-3	-3	-2				

Diverison Effects on Delta Smelt: Common Programs										DRY YEARS					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug				
Entrainment	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-2				
Hydrodynamics	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-2				
Predation	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-2				
Handling	0	0	-1	-1	-1	-2	-2	-3	-3	-3	-2				
Food supply	1	0	0	0	-1	-1	-1	-1	-1	-1	-1				
Shallow/ nearshore habitat	0	0	0	0	1	1	1	1	0	0	0	0			
Water quality (toxics)	0	0	0	0	0	0	0	0	-1	-1	-1	-1			
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0	0			
WQ (salinity)	-1	-1	0	0	1	1	1	-1	-1	-1	-1	-1			
Agricultural diversions	1	1	1	1	1	1	2	2	2	2	2	2			

Diversion Effects on Delta Smelt: Alternative 1

DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2
Hydrodynamics	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2
Predation	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2
Handling	0	0	-2	-2	-2	-3	-2	-3	-3	-3	-2
Food supply	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1
Shallow/ nearshore habitat	0	0	0	0	1	1	1	1	1	0	0
Water quality (toxics)	0	0	0	0	0	0	0	0	0	-1	-1
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	-1	-1	-1	-1	0	0	1	-1	-1	-1	-1
Agricultural diversions	1	1	1	1	1	0	1	1	1	2	2

Diversion Effects on Delta Smelt: Alternative 2

DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-2
Hydrodynamics	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-2
Predation	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-2
Handling	0	0	-3	-3	-3	-3	-3	-3	-3	-3	-2
Food supply	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1
Shallow/ nearshore habitat	0	0	0	0	-1	-1	-1	-1	0	0	0
Water quality (toxics)	0	0	0	0	0	0	0	0	0	-1	-1
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	-1	-1	-1	-2	-1	-1	0	-2	-2	-1	-1
Agricultural diversions	1	1	1	1	1	0	1	1	1	2	2

Diversion Effects on Delta Smelt: Alternative 3

DRY YEARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment	1	1	1	1	1	2	2	3	2	1	1
Hydrodynamics	1	1	0	0	0	-1	-1	2	2	2	2
Predation	0	0	0	0	0	1	1	1	1	1	0
Handling	1	1	1	1	1	2	2	3	2	1	1
Food supply	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1
Shallow/ nearshore habitat	0	0	1	1	1	2	2	2	1	1	1
Water quality (toxics)	0	0	0	0	0	0	0	0	0	-1	-1
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	-1	-1	-1	-3	-2	-2	-1	-3	-3	-2	-1
Agricultural diversions	1	1	1	1	1	0	1	1	1	2	2

Net Effects Matrices with Common Programs included

Sep	0
	0
	0
	0
	0
	-1
	0
	-1
	0
	-1
	0
	0

Net Effects Matrices with Common Programs Included

Sep	0
	0
	0
	0
	0
	-1
	0
	-1
	0
	-1
	0
	0

No Action Conditions - Existing

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July
Entrainment	0	0	-2	-2	-3	-3	-2	-6	-4	-5
Hydrodynamics	0	0	-2	-2	-3	-3	-2	-4	-3	-4
Predation	0	0	-2	-2	-2	-2	-2	-2	-2	-2
Handling	0	0	0	0	0	0	0	0	0	0
Food supply	0	0	0	0	0	0	0	0	0	0
Shallow/ nearshore habitat	0	0	-2	-2	-2	-2	-2	-2	0	0
Water quality (toxics)	0	0	0	0	0	0	-2	-2	-2	-2
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	-1	-1	0	0	0	0	-3
Agricultural diversions	0	0	0	0	0	-1	-1	-3	-4	-4

WET YEARS

Common Programs - Existing

Sep	0
	0
	0
	0
	0
	0
	0
	0
	0
	-1
	0
	-1
	1

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July
Entrainment	0	0	-2	-2	-2	-2	-2	-6	-4	-4
Hydrodynamics	0	0	-2	-2	-2	-2	-2	-2	-2	-2
Predation	0	0	-2	-2	-2	-2	-2	-2	-2	-2
Handling	0	0	0	0	0	0	0	0	0	0
Food supply	1	1	1	1	1	2	2	2	1	1
Shallow/ nearshore habitat	0	0	-1	-1	0	0	0	0	1	0
Water quality (toxics)	0	0	0	0	0	0	-2	-2	-2	-2
Water quality (temperature)	0	0	0	0	0	0	0	0	0	0
WQ (salinity)	0	0	0	0	0	0	0	0	0	-2
Agricultural diversions	1	1	1	1	1	1	1	1	0	0

WET YEARS

Net Effects Matrices with Common Programs included

Alternative 1 - Existing

Sep	WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July		
0	0	0	0	0	0	-1	-1	0	0	0	-1	
0	0	0	0	0	0	-1	-1	0	-2	-1	-2	
0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
0	1	1	1	1	1	1	2	2	2	1	1	
0	0	0	1	1	1	2	2	2	2	1	0	
0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
-1	0	0	0	-1	-1	-1	0	0	0	0	-1	
1	1	1	1	1	1	1	0	0	2	4	4	

Alternative 2 - Existing

Sep	WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July		
0	0	0	-1	-1	-1	-1	-1	0	0	0	-1	
0	0	0	-1	-1	-1	-1	-1	-2	-1	-2	-2	
0	0	0	-1	-1	-1	-1	-1	-2	-1	-2	-2	
0	0	0	0	0	0	0	0	0	0	0	0	
0	1	1	1	1	1	2	2	2	1	1	1	
0	0	0	1	1	1	1	1	1	1	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
-1	0	0	0	-1	-1	-1	0	0	0	0	-1	
1	1	1	1	1	1	1	0	0	2	4	4	

Alternative 3 - Existing

Sep	WET YEARS											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July		
1	1	1	3	3	3	3	3	4	6	4	3	
1	1	2	3	3	4	4	4	4	4	2	2	
0	0	1	1	1	1	1	1	1	1	1	1	
1	0	0	0	0	0	0	0	0	0	0	0	
0	1	1	1	1	1	1	2	2	2	1	1	
0	0	0	2	2	3	3	3	3	3	2	1	
0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
-1	0	0	0	-1	-1	-1	0	0	0	0	-1	
1	1	1	1	1	1	1	0	0	2	4	4	

Net Effects Matricies with Common Programs included

**Net Effects Matricies with Common Programs included
No Action Conditions - Existing**

DRY YEARS

Aug	Sep	Total		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
-3	0	-30	Entrainment	0	0	-1	-1	-1	-1	0	0	0
-3	0	-26	Hydrodynamics	0	0	-1	-1	-1	-1	0	0	0
-2	0	-18	Predation	0	0	-1	-1	-1	-1	0	0	0
0	0	0	Handling	0	0	-1	-1	-1	-1	0	0	0
0	0	0	Food supply	0	0	-1	-1	0	0	0	0	0
0	0	-12	Shallow/ nearshore habitat	0	0	0	0	0	0	0	0	0
-2	0	-10	Water quality (toxics)	0	0	0	0	0	0	0	0	0
0	0	0	Water quality (temperature)	0	0	0	0	0	0	0	0	0
-3	-2	-10	WQ (salinity)	0	0	-1	-1	-1	-1	0	0	0
-4	0	-17	Agricultural diversions	0	0	0	0	-1	-1	-1	-1	0

Common Programs - Existing

DRY YEARS

Aug	Sep	Total		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
-2	0	-26	Entrainment	0	0	0	0	0	0	0	0	0
-2	0	-18	Hydrodynamics	0	0	0	0	0	0	0	0	0
-2	0	-18	Predation	0	0	0	0	0	0	0	0	0
0	0	0	Handling	0	0	0	0	0	0	0	0	0
1	1	15	Food supply	1	1	1	1	1	2	2	2	2
0	0	-1	Shallow/ nearshore habitat	0	0	1	1	2	2	2	2	0
-2	0	-10	Water quality (toxics)	1	0	0	1	1	1	1	1	1
0	0	0	Water quality (temperature)	0	0	0	0	0	0	0	0	0
-2	-2	-6	WQ (salinity)	0	0	0	0	0	0	0	0	0
0	1	9	Agricultural diversions	1	1	1	1	1	1	4	4	5

Net Effects Matricies with Common Programs included

Alternative 1 - Existing

												DRY YEARS				
Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June					
-1	0	-4	0	0	-1	-1	-1	-1	0	0	0					
-1	0	-8	0	0	-1	-1	-1	-1	0	0	0					
0	0	0	0	0	-1	-1	-1	-1	0	0	0					
0	0	0	0	0	-1	-1	-1	-1	0	0	0					
1	1	15	1	1	0	0	1	2	2	2	2					
0	0	11	0	0	1	1	2	2	2	2	0					
0	0	0	1	0	0	1	1	1	1	1	1					
0	0	0	0	0	0	0	0	0	0	0	0					
-1	0	-4	0	0	-1	-1	-1	-1	0	0	0					
4	1	20	1	1	1	1	0	0	3	3	5					

Alternative 2 - Existing

												DRY YEARS				
Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June					
-1	0	-7	0	0	-2	-2	-2	-1	-1	0	0					
-1	0	-11	0	0	-2	-2	-2	-1	-1	0	0					
-1	0	-11	0	0	-2	-2	-2	-1	-1	0	0					
0	0	0	0	0	-2	-2	-2	-1	-1	0	0					
1	1	15	1	1	0	0	1	2	2	2	2					
0	0	6	0	0	1	1	0	0	0	0	0					
0	0	0	1	0	0	1	1	1	1	1	1					
0	0	0	0	0	0	0	0	0	0	0	0					
-1	0	-4	0	0	-1	-2	-2	-2	-1	-1	-1					
4	1	20	1	1	1	1	0	0	3	3	5					

Alternative 3 - Existing

												DRY YEARS				
Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June					
2	1	34	1	1	2	2	3	4	5	6	5					
2	1	30	1	1	1	1	1	1	4	5	5					
1	0	9	0	0	1	1	1	3	3	4	4					
0	0	0	1	1	2	2	3	4	5	6	5					
1	1	15	1	1	0	0	1	2	2	2	2					
1	0	20	0	0	2	2	3	3	3	3	1					
0	0	0	1	0	0	1	1	1	1	1	1					
0	0	0	0	0	0	0	0	0	0	0	0					
-1	0	-4	0	0	-1	-3	-3	-3	-2	-2	-2					
4	1	20	1	1	1	1	0	0	3	3	5					

AlternativeNet Effects Matricies WITHOUT Common Programs included

July	Aug	Sep	Total
0	0	0	-4
0	0	0	-4
0	0	0	-4
0	0	0	-4
0	0	0	-2
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	-4
0	0	0	-4

July	Aug	Sep	Total
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
2	1	1	17
0	0	0	10
1	1	1	10
0	0	0	0
0	0	0	0
5	4	1	29

AlternativeNet Effects Matricies WITHOUT Common Programs included

(Alternative 1 - Common Programs) - Existing										WET YEARS				
July	Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
0	0	0	-4	0	0	1	1	0	0	1	3			
0	0	0	-4	0	0	1	1	0	0	1	-1			
0	0	0	-4	0	0	1	1	1	0	1	-1			
0	0	0	-4	0	0	1	1	1	1	1	1			
0	0	0	-4	0	0	0	0	0	0	0	0			
2	1	1	15	0	0	0	0	0	0	0	0			
0	0	0	10	0	0	1	1	1	1	1	1			
1	1	1	10	0	0	0	0	0	0	1	1			
0	0	0	0	0	0	0	0	0	0	0	0			
0	0	0	-4	0	0	0	-1	-1	0	0	0			
5	4	1	25	0	0	0	0	0	-1	-1	0			

(Alternative 2 - Common Programs) - Existing										WET YEARS				
July	Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
0	0	0	-8	0	0	0	0	0	0	0	3			
0	0	0	-8	0	0	0	0	0	0	0	-1			
0	0	0	-8	0	0	0	0	0	0	0	-1			
0	0	0	-8	0	0	0	0	0	0	0	0			
0	0	0	-8	0	0	0	0	0	0	0	0			
2	1	1	15	0	0	0	0	0	0	0	0			
0	0	0	2	0	0	1	1	0	0	0	0			
1	1	1	10	0	0	0	0	0	0	1	1			
0	0	0	0	0	0	0	0	0	0	0	0			
0	0	0	-10	0	0	0	-1	-1	0	0	0			
5	4	1	25	0	0	0	0	0	-1	-1	0			

(Alternative 3 - Common Programs) - Existing										WET YEARS				
July	Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
4	3	1	37	1	1	4	4	4	4	5	9			
5	4	1	30	1	1	3	4	5	5	5	5			
4	2	0	23	0	0	2	2	2	2	2	2			
4	3	1	37	0	0	0	0	0	0	0	0			
2	1	1	15	0	0	0	0	0	0	0	0			
1	1	0	19	0	0	2	2	2	2	2	2			
1	1	1	10	0	0	0	0	0	0	1	1			
0	0	0	0	0	0	0	0	0	0	0	0			
-1	0	0	-17	0	0	0	-1	-1	0	0	0			
5	4	1	25	0	0	0	0	0	-1	-1	0			

AlternativeNet Effects Matricies WITHOUT Common Programs included

AlternativeNet Effects Matricies WITHOUT Common Programs included

Alternative 1 - Common Programs) - Existing										DRY Y	
June	July	Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr
2	1	0	0	9	0	0	0	0	0	1	2
0	-1	0	0	1	0	0	0	0	0	1	2
1	1	1	0	9	0	0	0	0	0	1	2
0	0	0	0	0	0	0	0	0	0	1	2
0	0	0	0	0	0	1	0	0	2	3	3
0	0	0	0	6	0	0	1	1	1	1	1
1	1	1	0	5	1	0	0	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	-1	1	1	-1	-1	-2	-2	-1
2	2	2	0	4	0	0	0	0	-1	-1	1

Alternative 2 - Common Programs) - Existing										DRY Y	
June	July	Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr
2	1	0	0	6	0	0	-1	-1	-1	1	1
0	-1	0	0	-2	0	0	-1	-1	-1	1	1
0	-1	0	0	-2	0	0	-1	-1	-1	1	1
0	0	0	0	0	0	0	-1	-1	-1	1	1
0	0	0	0	0	0	1	0	0	2	3	3
-1	0	0	0	1	0	0	1	1	-1	-1	-1
1	1	1	0	5	1	0	0	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	-1	1	1	-1	-2	-3	-3	-2
2	2	2	0	4	0	0	0	0	-1	-1	1

Alternative 3 - Common Programs) - Existing										DRY Y	
June	July	Aug	Sep	Total	Oct	Nov	Dec	Jan	Feb	Mar	Apr
6	5	3	1	47	1	1	3	3	4	6	7
3	3	3	1	39	1	1	2	2	2	3	6
2	2	2	0	18	0	0	2	2	2	5	5
0	0	0	0	0	1	1	3	3	4	6	7
0	0	0	0	0	0	1	0	0	2	3	3
1	1	1	0	15	0	0	2	2	2	2	2
1	1	1	0	5	1	0	0	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	-1	1	1	-1	-3	-4	-4	-3
2	2	2	0	4	0	0	0	0	-1	-1	1

EARS					
May	June	July	Aug	Sep	Total
3	3	3	2	0	14
3	3	3	2	0	14
3	3	3	2	0	14
3	3	3	2	0	14
3	3	3	2	0	14
3	3	3	2	1	21
1	0	0	0	0	6
1	2	2	2	1	13
0	0	0	0	0	0
1	1	1	1	1	0
1	3	3	2	0	8

EARS					
May	June	July	Aug	Sep	Total
3	3	3	2	0	10
3	3	3	2	0	10
3	3	3	2	0	10
3	3	3	2	0	10
3	3	3	2	0	10
3	3	3	2	1	21
-1	0	0	0	0	-2
1	2	2	2	1	13
0	0	0	0	0	0
0	0	1	1	1	-6
1	3	3	2	0	8

EARS					
May	June	July	Aug	Sep	Total
9	8	7	5	1	55
8	8	8	6	1	48
7	7	7	4	0	41
9	8	7	5	1	55
3	3	3	2	1	21
2	1	1	1	0	15
1	2	2	2	1	13
0	0	0	0	0	0
-1	-1	0	1	1	-13
1	3	3	2	0	8

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