SAN JOAQUIN

2020

2020

D-061577

EXISTING CONDITIONS (Baseline)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	-1	-1	-3	-2	-2	-3	0	0	0		-12
													sum	
% Population Exposed	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0	-6	
Screen Efficiency/Predat	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-5	
Handling/Trucking Loss	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-5	
CCFB Loss	0	0	0	-1	-1	-2	-3	-3	-3	0	0	0	-13	
Interior Delta Survival	0	0	-1	-2	-2	-4	-3	-4	-6	0	0	-1		-23
													sum	
Flow Distribution	-1	-1	-1	-1	-1	-2	-1	-1	-2	0	0	-1	-12	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	-1	-1	-2	-2	-2	-1	0	0	0	-9	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-3	-3	0	0	-1		-18
Shallow Water Habitat	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
Ag Diversions	0	0	0	0	0	0	-1	-1	-1	0	0	0		-3
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	-56

ALTERNATIVE 1 (without storage)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	0	-1	-2	-1	-1	-2	0	0	0		-7
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Handling/Trucking Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB Losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	0	0	-1	-2	-2	-3	-2	-3	-5	0	0	-1		-19
Flow Distribution	-1	-1	-1	-2	-2	-2	-1	-1	-2	0	0	-1	-14	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-2	-3	0	0	-1		-17
Shallow Water Habitat	0	0	0	1	1	1	0	0	0	0	0	0		3
Food Supply	0	0	0	1	1	1	1	1	0	0	0	0		5
Ag Diversions	0	0	0	0	0	0	0	0	0	0	0	0		0
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	-35

ALTERNATIVE 1 (with storage)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	-1	-2	-3	-1	-1	-2	0	0	0		-10
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Handling/Trucking Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB Losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	0	0	-1	-3	-3	-4	-2	-3	-5	0	0	-1		-22
Flow Distribution	-1	-1	-1	-3	-3	-3	-1	-1	-2	0	0	-1	-17	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-2	-3	0	0	-1		-17
Shallow Water Habitat	0	0	0	1	1	1	0	0	0	0	0	0		3
Food Supply	0	0	0	1	1	1	1	1	0	0	0	0		5
Ag Diversions	0	0	0	0	0	0	0	0	0	0	0	0		0
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	-41

NO ACTION ALTERNATIVE

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	-1	-2	-3	-2	-2	-3	0	0	0		-13
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Handling/Trucking Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB Losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	0	0	-1	-3	-3	-4	-3	-4	-6	0	0	-1		-25
													sum	
Flow Distribution	-1	-1	-1	-2	-2	-2	-1	-1	-2	0	0	-1	-14	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	-1	-1	-2	-2	-2	-1	0	0	0	-9	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-3	-3	0	0	-1		-18
Shallow Water Habitat	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
Ag Diversions	0	0	0	0	0	0	-1	-1	-1	0	0	0		-3
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	-59

ATERNATIVE 2 (without storage)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	0	-1	-2	-1	-1	-2	0	0	0		-7
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Trucking/Handling Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB Losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	1	1	0	0	1	0	-1	-2	-2	0	0	0		-2
													sum	
Flow Distribution	0	0	0	0	1	1	0	0	1	0	0	0	3	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-2	-3	0	0	-1		-17
Shallow Water Habitat	0	0	0	1	1	1	0	0	0	0	0	0		3
Food Supply	0	0	0	1	1	1	1	1	0	0	0	0		5
Ag Diversions	0	0	0	0	0	0	0	0	0	0	0	0		0
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	-18

ALTERNATIVE 2 (with storage)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	-1	-2	-3	-1	-1	-2	0	0	0		-10
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Trucking/Handling Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB Losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	1	1	0	-1	0	-1	-1	-2	-2	0	0	0		-5
													sum	
Flow Distribution	0	0	0	-1	0	0	0	0	1	0	0	0	0	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-2	-3	0	0	-1		-17
Shallow Water Habitat	0	0	0	1	1	1	0	0	0	0	0	0		3
Food Supply	0	0	0	1	1	1	1	1	0	0	0	0		5
Ag Diversions	0	0	0	0	0	0	0	0	0	0	0	0		0
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	-24

COMMON PROGRAMS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	-1	-2	-3	-2	-2	-3	0	0	0		-13
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Handling/Trucking Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB Losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	0	0	-1	-2	-2	-3	-2	-3	-5	0	0	-1		-19
													sum	
Flow Distribution	-1	-1	-1	-2	-2	-2	-1	-1	-2	0	0	-1	-14	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-2	-3	0	0	-1		-17
Shallow Water Habitat	0	0	0	1	1	1	0	0	0	0	0	0		3
Food Supply	0	0	0	1	1	1	1	1	0	0	0	0		5
Ag Diversions	0	0	0	0	0	0	0	0	0	0	0	0		0
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	-41

ALTERNATIVE 3 (without storage)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	0	0	-1	0	0	-1	0	0	0		-2
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Handling/Trucking Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	2	2	1	2	3	2	1	0	0	0	0	1		14
													sum	
Flow Distribution	1	1	1	2	3	3	2	2	3	0	0	1	19	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-2	-3	0	0	-1		-17
Shallow Water Habitat	0	0	0	1	1	1	0	0	0	0	0	0		3
Food Supply	0	0	0	1	1	1	1	1	0	0	0	0		5
Ag Diversions	0	0	0	0	0	0	0	0	0	0	0	0		0
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	3

ALTERNATIVE 3 (with storage)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		SUM
Entrainment	0	0	0	0	0	-1	0	0	-1	0	0	0		-2
													sum	
% Population Exposed	*	*	*	*	*	*	*	*	*	*	*	*	0	
Screen Efficiency/Predat	*	*	*	*	*	*	*	*	*	*	*	*	0	
Handling/Trucking Losse	*	*	*	*	*	*	*	*	*	*	*	*	0	
CCFB losses	*	*	*	*	*	*	*	*	*	*	*	*	0	
Interior Delta Survival	2	2	1	2	3	2	1	0	0	0	0	1		14
													sum	
Flow Distribution	1	1	1	2	3	3	2	2	3	0	0	1	19	
Upper Old River Barrier	1	1	0	0	0	0	1	1	0	0	0	0	4	
Predation in the Delta	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3	
Temperature	0	0	0	0	0	0	-1	-2	-3	0	0	0	-6	
Salinity	0	0	0	0	0	0	0	0	0	0	0	0	0	
Flow at Vernalis	-1	-1	-1	-1	-2	-2	-3	-2	-3	0	0	-1		-17
Shallow Water Habitat	0	0	0	1	1	1	0	0	0	0	0	0		3
Food Supply	0	0	0	1	1	1	1	1	0	0	0	0		5
Ag Diversions	0	0	0	0	0	0	0	0	0	0	0	0		0
Adult Migration	na	na	na	na	na	na	na	na	na	na	na	na		0
Toxics (dilution/inputs)	*	*	*	*	*	*	*	*	*	*	*	*		0
													TOTAL	3

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