

Scott Valley Management Scenario Results
Summary Table

Scenario Type	Scenario ID	Scenario Depletion Reversal, Sep-Nov '91-'18 (TAF)	Depletion Reversal, Sep-Nov '91-'18 (avg. cfs)	Wet Year Depletion Reversal, Sep-Nov '91-'18 (avg. cfs)	Dry Year Depletion Reversal, Sep-Nov '91-'18 (avg. cfs)	
Attribution - adjudicated area impacts; ET from GW to 4.5 m	natveg_outside_adj	Natural Vegetation Outside Adjudicated area (NVOA)	92	18.2	15.9	19.0
	natveg_gwmixed_outside_adj	Natural Vegetation, on Groundwater- or Mixed-source fields, Outside Adjudicated area (NV-GWM-OA)	79	15.6	13.3	17.1
	natveg_inside_adj	Natural Vegetation Inside Adjudicated area (NVIA)	25	5.0	1.5	8.2
	natveg_gwmixed_inside_adj	Natural Vegetation, on Groundwater- or Mixed-source fields, Inside Adjudicated area (NV-GWM-IA)	21	4.1	-0.5	8.2
	natveg_all	Natural Vegetation (NV)	141	27.8	22.3	31.9
	natveg_gwmixed_all	Natural Vegetation on all Groundwater- or Mixed-source fields (NV-GWM)	112	22.1	17.0	27.1
Attribution - adjudicated area impacts - no ET from GW outside discharge zone	natveg_outside_adj_dzgwET_only	Natural Vegetation Outside Adjudicated area (NVOA)	171	34.1	33.0	32.6
	natveg_gwmixed_outside_adj_dzgwET_only	Natural Vegetation, on Groundwater- or Mixed-source fields, Outside Adjudicated area (NV-GWM-OA)	136	27.1	25.4	27.0
	natveg_inside_adj_dzgwET_only	Natural Vegetation Inside Adjudicated area (NVIA)	126	25.1	20.7	27.4
	natveg_gwmixed_inside_adj_dzgwET_only	Natural Vegetation, on Groundwater- or Mixed-source fields, Inside Adjudicated area (NV-GWM-IA)	116	23.1	17.7	26.3
	natveg_all_dzgwET_only	Natural Vegetation (NV)	287	57.0	52.0	57.2
	natveg_gwmixed_all_dzgwET_only	Natural Vegetation on all Groundwater- or Mixed-source fields (NV-GWM)	233	46.2	41.0	48.3

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Enhanced Recharge	mar	MAR (Managed Aquifer Recharge) in Jan-Mar	14	2.8	3.3	1.9
	ilr	ILR (In-Lieu Recharge) in the early growing season	13	2.6	2.4	2.1
	mar_ilr	MAR + ILR	26	5.2	5.6	3.6
	mar_ilr_max_0.019	Expanded MAR + ILR (<i>assumed max infiltration rate of 0.019 m/d</i>)	61	12.1	14.8	7.1
Diversion Limits	flowlims	All surface water diversions limited at low FJ flows	52	10.3	14.9	4.9
	mar_ilr_flowlims	MAR + ILR, with all surface water diversions limited at low FJ flows	78	12.1	21.8	7.6
Crop change	irrig_0.8	80% Irrigation demand	83	16.5	18.9	12.9
	irrig_0.9	90% Irrigation demand	41	8.1	9.5	5.7
Irrigation Efficiency	irr_eff_improve_0.1	Improve irrigation efficiency by 0.1	6.8	1.3	0.0	1.7
	irr_eff_improve_0.2	Improve irrigation efficiency by 0.2	16.9	3.3	1.6	3.1
	irr_eff_worse_0.1	Reduce irrigation efficiency by 0.1	-2.2	-0.4	0.7	-0.3
Irrigation schedule change	alf_irr_stop_jul10	Alfalfa irrigation schedule - July 10 end date	118	23.2	21.2	23.6
	alf_irr_stop_aug01	Alfalfa irrigation schedule - Aug 01 end date	83	16.4	16.0	13.3
	alf_irr_stop_aug01_dry_years_only	Aug 01 end date, <i>dry years only ('91, '92, '94, '01, '09, '13, '14, '18)</i>	20	3.9	0.1	9.7
	alf_irr_stop_aug15	Alfalfa irrigation schedule - Aug 15 end date	46	9.1	9.0	6.7
	alf_irr_stop_aug15_dry_years_only	Aug 15 end date, <i>dry years only ('91, '92, '94, '01, '09, '13, '14, '18)</i>	10	2.0	0.0	5.1
Reservoir	reservoir_shackleford	9 TAF Reservoir, 30 cfs release, Shackleford	47	9.2	2.4	14.5
	reservoir_etna	9 TAF Reservoir, 30 cfs release, Etna	66	13.1	11.4	9.0
	reservoir_french	9 TAF Reservoir, 30 cfs release, French	79	15.7	22.3	2.5
	reservoir_sfork	9 TAF Reservoir, 30 cfs release, S. Fork	36	7.1	7.3	3.8
100% reliable reservoir	reservoir_etna_29kAF	29 TAF Reservoir, 100% reliability 30 cfs release	73	14.4	11.1	13.8
	reservoir_pipeline_etna_134kAF_60cfs	134 TAF Reservoir, 100% reliability 60 cfs release	251	49.6	42.3	52.7