

PA3/4 Volume Mitigation Comparison

	100-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)*	Total (ac-ft)
Existing	93.5	259.8	353.3
Proposed (Unmitigated)	86.2	494.6	580.9
	Required volume mitigation (ac-ft)		227.6
Volume Mitigated	17.4	214.0	231.4
	Required volume - mitigated volume (ac-ft)		-3.8
	50-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)*	Total (ac-ft)
Existing	80.5	238.8	319.3
Proposed (Unmitigated)	77.7	445.0	522.7
	Required volume mitigation (ac-ft)		203.5
Volume Mitigated	17.4	195.9	213.3
	Required volume - mitigated volume (ac-ft)		-9.8
	25-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)*	Total (ac-ft)
Existing	67.3	191.4	258.7
Proposed (Unmitigated)	66.9	388.5	455.5
	Required volume mitigation (ac-ft)		196.8
Volume Mitigated	17.4	192.6	210.0
	Required volume - mitigated volume (ac-ft)		-13.2
	10-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)*	Total (ac-ft)
Existing	48.8	139.4	188.2
Proposed (Unmitigated)	53.4	304.9	358.3
	Required volume mitigation (ac-ft)		170.1
Volume Mitigated	17.4	188.1	205.5
	Required volume - mitigated volume (ac-ft)		-35.4
	5-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)*	Total (ac-ft)
Existing	24.5	64.9	89.4
Proposed (Unmitigated)	32.9	189.7	222.7
	Required volume mitigation (ac-ft)		133.3
Volume Mitigated	17.4	181.8	199.2
	Required volume - mitigated volume (ac-ft)		-65.9
	2-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)*	Total (ac-ft)
Existing	9.7	26.1	35.8
Proposed (Unmitigated)	19.5	114.6	134.1
	Required volume mitigation (ac-ft)		98.3
Volume Mitigated	17.4	117.3	134.7
	Required volume - mitigated volume (ac-ft)		-36.4

*In this comparison, San Juan Creek does not include flow contributed by Gobernadora

*Note that a negative required volume - mitigated volume means the basins provided more than the required mitigation volume needed

Volume Mitigation 100-yr

Basin	Basin type	Invert (ac)	Design Infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (1ft deep for hydromod, = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
3A-1	Biofiltration	0.75	0.10	1.78	0.2		1.0	0.2	Design Infiltration Rate and Worksheet	131	
3A-2	PreTreatment/Forebay	1.11	0.00	6.63	0.0		1.0	0.0		135	NRCS infiltration rates look very low - assumed 0 to be conservative.
3A-3	Infiltration	0.36	0.73	1.54	0.5		1.0	1.5	Design Infiltration Rate and Worksheet	139	
3A-4	Infiltration	2.21	0.73	9.56	3.2		1.0	3.2	Design Infiltration Rate and Worksheet	135	
3A-5	Biofiltration	1.58	0.10	4.06	0.3		1.0	0.3	Design Infiltration Rate and Worksheet	142	
3A-6	Biofiltration	0.99	0.10	2.53	0.2		1.0	0.2	Design Infiltration Rate and Worksheet	142	
3A-7	Biofiltration	1.08	0.10	2.79	0.2		1.0	0.2	Design Infiltration Rate and Worksheet	135	
3A-8	Biofiltration	0.38	0.10	1.05	0.1		1.0	0.1	Design Infiltration Rate and Worksheet	135	
3A-9	Hydromodification	4.23	0.35	36.03	3.0		2.0	6.0	NRCS	135	
3A-10	Hydromodification	2.05	0.35	11.47	1.4		2.0	2.9	NRCS	135	
3A-11	Hydromodification	1.98	0.35	11.11	1.4		2.0	2.8	NRCS	135	
3A-12	Biofiltration	0.08	0.10	0.21	0.02		1.0	0.02	Design Infiltration Rate and Worksheet	142	
3A-13	Potential Spreading	3	0.00	0.00	0.0		1.0	0.0	NRCS	142	
3B-1	Flood Control	1.26	0.35	12.60	0.9		3.0	2.7	NRCS	142	
3B-2	PreTreatment/Forebay	0.37	0.00	5.10	0.0		1.0	0.0	NRCS	142	
3B-4	Flood Control	1.14	0.35	55.00	0.8		1.0	0.8	NRCS	142	
3B-5	Infiltration	0.58	0.53	3.44	0.6		1.0	6.1	NRCS	146	
WQ Complex Basins	Infiltration	7	5.60	115.80	78.4		1.0	115.8	NRCS	146	
3C-3	Flood Control	18.3	0.60	172.00	22.0		1.7	37.3	NRCS	191	
4E-1	Flood Control	3.28	0.60	28.65	3.9		1.0	0.0	NRCS	198	
4E-2	Infiltration	6.64	0.35	31.50	4.6		1.0	26.2	NRCS	198	
4F-1	Flood Control	3.73	0.60	19.60	4.5		1.0	4.5	NRCS	146	
4F-2	Infiltration	4.69	0.35	13.88	3.3		1.0	13.9	NRCS	191	
3G-1	Flood Control	5.28	0.60	24.60	6.3		1.0	6.3	NRCS	146	FOS=5.5
3G-1 INF	Infiltration	0.73	3.49	0.50	5.1		1.0	0.5	GMU sept 2017 testing	146	FOS=5.5

Basin	Basin type	Invert (ac)	Design Infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (1ft deep for hydromod, = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
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TOTAL - CURRENT PLAN

SJC (Gobernadora not included)	214.0	ac-ft
Gobernadora	17.4	ac-ft

August required volumes:

San Juan	234.8	ac-ft
Gobernadora	-7.2	ac-ft

	100-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)	Total (ac-ft)
Existing	93.5	259.8	353.3
Proposed (Unmitigated)	86.2	494.6	580.9
	Required volume mitigation (ac-ft)		227.6
Volume Mitigated	17.4	214.0	231.4
	Required volume - mitigated volume (ac-ft)		-3.8

Volume Mitigation 50-yr

Basin	Basin type	Invert (ac)	Design Infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (1ft deep for hydromod, = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
3A-1	Biofiltration	0.75	0.10	1.78	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	131	
3A-2	PreTreatment/Forebay	1.11	0.00	6.63	0.0	0.0	1.0	0.0	0	135	NRCS infiltration rates look very low - assumed 0 to be conservative.
3A-3	Infiltration	0.36	0.73	1.54	0.5	0.0	1.0	1.5	Design Infiltration Rate and Worksheet	139	
3A-4	Infiltration	2.21	0.73	9.56	3.2	0.0	1.0	3.2	Design Infiltration Rate and Worksheet	135	
3A-5	Biofiltration	1.58	0.10	4.06	0.3	0.0	1.0	0.3	Design Infiltration Rate and Worksheet	142	
3A-6	Biofiltration	0.99	0.10	2.53	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	142	
3A-7	Biofiltration	1.08	0.10	2.79	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	135	
3A-8	Biofiltration	0.38	0.10	1.05	0.1	0.0	1.0	0.1	Design Infiltration Rate and Worksheet	135	
3A-9	Hydromodification	4.23	0.35	36.03	3.0	0.0	2.0	6.0	NRCS	135	
3A-10	Hydromodification	2.05	0.35	11.47	1.4	0.0	2.0	2.9	NRCS	135	
3A-11	Hydromodification	1.98	0.35	11.11	1.4	0.0	2.0	2.8	NRCS	135	
3A-12	Biofiltration	0.08	0.10	0.21	0.02	0.0	1.0	0.02	Design Infiltration Rate and Worksheet	142	
3A-13	Potential Spreading	3	0.00	0.00	0.0	0.0	1.0	0.0	NRCS	142	
3B-1	Flood Control	1.26	0.35	12.60	0.9	0.0	3.0	2.7	NRCS	142	
3B-2	PreTreatment/Forebay	0.37	0.00	5.10	0.0	0.0	1.0	0.0	NRCS	142	
3B-4	Flood Control	1.14	0.35	55.00	0.8	0.0	1.0	0.8	NRCS	142	
3B-5	Infiltration	0.58	0.53	3.44	0.6	0.0	1.0	6.1	NRCS	146	
WQ Complex	Infiltration	7	5.60	115.80	78.4	0.0	1.0	115.8	NRCS	146	
3C-3	Flood Control	18.3	0.60	172.00	22.0	0.0	1.7	22.0	NRCS	191	
4E-1	Flood Control	3.28	0.60	28.65	3.9	0.0	1.0	0.0	NRCS	198	
4E-2	Infiltration	6.64	0.35	31.50	4.6	0.0	1.0	23.4	NRCS	198	
4F-1	Flood Control	3.73	0.60	19.60	4.5	0.0	1.0	4.5	NRCS	146	
4F-2	Infiltration	4.69	0.35	13.88	3.3	0.0	1.0	13.9	NRCS	191	
3G-1	Flood Control	5.28	0.60	24.60	6.3	0.0	1.0	6.3	NRCS	146	FOS=5.5
3G-1 INF	Infiltration	0.73	3.49	0.50	5.1	0.0	1.0	0.5	GMU sept 2017 testing	146	FOS=5.5

TOTAL - CURRENT PLAN

Basin	Basin type	Invert (ac)	Design Infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (1ft deep for hydromod, = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
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SJC (Gobernadora not included)	195.9	ac-ft
Gobernadora	17.4	ac-ft

August required volumes:		
San Juan	234.8	ac-ft
Gobernadora	-7.2	ac-ft

	50-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)	Total (ac-ft)
Existing	80.5	238.8	319.3
Proposed (Unmitigated)	77.7	445.0	522.7
	Required volume mitigation (ac-ft)		203.5
Volume Mitigated	17.4	195.9	213.3
	Required volume - mitigated volume (ac-ft)		-9.8

Volume Mitigation 25-yr

Basin	Basin type	Invert (ac)	Design Infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (1ft deep for hydromod = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
3A-1	Biofiltration	0.75	0.10	1.78	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	131	NRCS infiltration rates look very low - assumed 0 to be conservative.
3A-2	PreTreatment/Forebay	1.11	0.00	6.63	0.0	0.0	1.0	0.0	0	135	
3A-3	Infiltration	0.36	0.73	1.54	0.5	0.0	1.0	1.5	Design Infiltration Rate and Worksheet	139	
3A-4	Infiltration	2.21	0.73	9.56	3.2	0.0	1.0	3.2	Design Infiltration Rate and Worksheet	135	
3A-5	Biofiltration	1.58	0.10	4.06	0.3	0.0	1.0	0.3	Design Infiltration Rate and Worksheet	142	
3A-6	Biofiltration	0.99	0.10	2.53	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	142	
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3A-8	Biofiltration	0.38	0.10	1.05	0.1	0.0	1.0	0.1	Design Infiltration Rate and Worksheet	135	
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3A-11	Hydromodification	1.98	0.35	11.11	1.4	0.0	2.0	2.8	NRCS	135	
3A-12	Biofiltration	0.08	0.10	0.21	0.02	0.0	1.0	0.02	Design Infiltration Rate and Worksheet	142	
3A-13	Potential Spreading	3	0.00	0.00	0.0	0.0	1.0	0.0	NRCS	142	
3B-1	Flood Control	1.26	0.35	12.60	0.9	0.0	3.0	2.7	NRCS	142	
3B-2	PreTreatment/Forebay	0.37	0.00	5.10	0.0	0.0	1.0	0.0	NRCS	142	
3B-4	Flood Control	1.14	0.35	55.00	0.8	0.0	1.0	0.8	NRCS	142	
3B-5	Infiltration	0.58	0.53	3.44	0.6	0.0	1.0	6.1	NRCS	146	
WO Complex	Infiltration	7	5.60	115.80	78.4	0.0	1.0	115.8	NRCS	146	
3C-3	Flood Control	18.3	0.60	172.00	22.0	0.0	1.7	22.0	NRCS	191	
4E-1	Flood Control	3.28	0.60	28.65	3.9	0.0	1.0	0.0	NRCS	198	
4E-2	Infiltration	6.64	0.35	31.50	4.6	0.0	1.0	20.1	NRCS	198	
4F-1	Flood Control	3.73	0.60	19.60	4.5	0.0	1.0	4.5	NRCS	146	
4F-2	Infiltration	4.69	0.35	13.88	3.3	0.0	1.0	13.9	NRCS	191	
3G-1	Flood Control	5.28	0.60	24.60	6.3	0.0	1.0	6.3	NRCS	146	
3G-1 INF	Infiltration	0.73	3.49	0.50	5.1	0.0	1.0	0.5	GMU sept. 2017 testing	146	FDS=5.5 FDS=5.5

TOTAL - CURRENT PLAN

SJC (Gobernadora not included)	192.6	ac-ft
Gobernadora	17.4	ac-ft

August required volumes:		
San Juan	197.1	ac-ft
Gobernadora	-0.4	ac-ft

	25-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)	Total (ac-ft)
Existing	67.3	191.4	258.7
Proposed (Unmitigated)	66.9	388.5	455.5
Required volume mitigation (ac-ft)			196.8
Volume Mitigated	17.4	192.6	210.0
Required volume - mitigated volume (ac-ft)			-13.2

Volume Mitigation 10-yr

Basin	Basin type	Invert (ac)	Design Infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (1ft deep for hydromod = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
3A-1	Biofiltration	0.75	0.10	1.78	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	131	
3A-2	PreTreatment/Forebay	1.11	0.00	6.63	0.0	0.0	1.0	0.0	0	135	NRCS infiltration rates look very low - assumed 0 to be conservative.
3A-3	Infiltration	0.36	0.73	1.54	0.5	0.0	1.0	1.5	Design Infiltration Rate and Worksheet	139	
3A-4	Infiltration	2.21	0.73	9.56	3.2	0.0	1.0	3.2	Design Infiltration Rate and Worksheet	135	
3A-5	Biofiltration	1.58	0.10	4.06	0.3	0.0	1.0	0.3	Design Infiltration Rate and Worksheet	142	
3A-6	Biofiltration	0.99	0.10	2.53	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	142	
3A-7	Biofiltration	1.08	0.10	2.79	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	135	
3A-8	Biofiltration	0.38	0.10	1.05	0.1	0.0	1.0	0.1	Design Infiltration Rate and Worksheet	135	
3A-9	Hydromodification	4.23	0.35	36.03	3.0	0.0	2.0	6.0	NRCS	135	
3A-10	Hydromodification	2.05	0.35	11.47	1.4	0.0	2.0	2.8	NRCS	135	
3A-11	Hydromodification	1.98	0.35	11.11	1.4	0.0	2.0	2.8	NRCS	135	
3A-12	Biofiltration	0.08	0.10	0.21	0.02	0.0	1.0	0.02	Design Infiltration Rate and Worksheet	142	
3A-13	Potential Spreading	3	0.00	0.00	0.0	0.0	1.0	0.0	NRCS	142	
3B-1	Flood Control	1.26	0.35	12.60	0.9	0.0	3.0	2.7	NRCS	142	
3B-2	PreTreatment/Forebay	0.37	0.00	5.10	0.0	0.0	1.0	0.0	NRCS	142	
3B-4	Flood Control	1.14	0.35	55.00	0.8	0.0	1.0	0.8	NRCS	142	
3B-5	Infiltration	0.58	0.53	3.44	0.6	0.0	1.0	6.1	NRCS	146	
WO Complex	Infiltration	7	5.60	115.80	78.4	0.0	1.0	115.8	NRCS	146	
3C-3	Flood Control	18.3	0.60	172.00	22.0	0.0	1.7	22.0	NRCS	191	
4E-1	Flood Control	3.28	0.60	28.65	3.9	0.0	1.0	0.0	NRCS	198	
4E-2	Infiltration	6.64	0.35	31.50	4.6	0.0	1.0	15.6	NRCS	198	
4F-1	Flood Control	3.73	0.60	19.60	4.5	0.0	1.0	4.5	NRCS	146	
4F-2	Infiltration	4.69	0.35	13.88	3.3	0.0	1.0	13.9	NRCS	191	
3G-1	Flood Control	5.28	0.60	24.60	6.3	0.0	1.0	6.3	NRCS	146	PO5-5.5
3G-1 INF	Infiltration	0.73	3.49	0.50	5.1	0.0	1.0	0.5	GMU sept 2017 testing	146	PO5-5.5

TOTAL - CURRENT PLAN		
SIC (Gobernadora not included)	188.1	ac-ft
Gobernadora	17.4	ac-ft

August required volumes:		
San Juan	165.6	ac-ft
Gobernadora	4.5	ac-ft

	10-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)	Total (ac-ft)
Existing	48.8	139.4	188.2
Proposed (Unmitigated)	53.4	304.9	358.3
	Required volume mitigation (ac-ft)		170.1
Volume Mitigated	17.4	188.1	205.5
	Required volume - mitigated volume (ac-ft)		-35.4

Volume Mitigation 5-yr

Basin	Basin type	Invert (ac)	Design infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (lit deep for hydromod, = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
3A-1	Biofiltration	0.75	0.10	1.78	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	131	
3A-2	PreTreatment/Forebay	1.11	0.00	6.63	0.0	0.0	1.0	0.0	0	135	NRCS infiltration rates look very low - assumed 0 to be conservative.
3A-3	Infiltration	0.36	0.73	1.54	0.5	0.0	1.0	1.5	Design Infiltration Rate and Worksheet	139	
3A-4	Infiltration	2.21	0.73	9.56	3.2	0.0	1.0	3.2	Design Infiltration Rate and Worksheet	135	
3A-5	Biofiltration	1.58	0.10	4.06	0.3	0.0	1.0	0.3	Design Infiltration Rate and Worksheet	142	
3A-6	Biofiltration	0.99	0.10	2.53	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	142	
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3A-8	Biofiltration	0.38	0.10	1.05	0.1	0.0	1.0	0.1	Design Infiltration Rate and Worksheet	135	
3A-9	Hydromodification	4.23	0.35	36.03	3.0	0.0	2.0	6.0	NRCS	135	
3A-10	Hydromodification	2.05	0.35	11.47	1.4	0.0	2.0	2.9	NRCS	135	
3A-11	Hydromodification	1.98	0.35	11.11	1.4	0.0	2.0	2.8	NRCS	135	
3A-12	Biofiltration	0.08	0.10	0.21	0.02	0.0	1.0	0.02	Design Infiltration Rate and Worksheet	142	
3A-13	Potential Spreading	3	0.00	0.00	0.0	0.0	1.0	0.0	NRCS	142	
3B-1	Flood Control	1.26	0.35	12.60	0.9	0.0	1.0	2.7	NRCS	142	
3B-2	PreTreatment/Forebay	0.37	0.00	5.10	0.0	0.0	1.0	0.0	NRCS	142	
3B-4	Flood Control	1.14	0.35	55.00	0.8	0.0	1.0	0.8	NRCS	142	
3B-5	Infiltration	0.58	0.53	3.44	0.6	0.0	1.0	6.1	NRCS	146	
WQ Complex	Infiltration	7	5.60	115.80	78.4	0.0	1.0	115.8	NRCS	146	
3C-3	Flood Control	18.3	0.60	172.00	22.0	0.0	1.0	22.0	NRCS	191	
4E-1	Flood Control	3.28	0.60	28.65	3.9	0.0	1.0	0.0	NRCS	198	
4E-2	Infiltration	6.64	0.35	31.50	4.6	0.0	1.0	9.3	NRCS	198	
4F-1	Flood Control	3.73	0.60	19.60	4.5	0.0	1.0	4.5	NRCS	146	
4F-2	Infiltration	4.69	0.35	13.88	3.3	0.0	1.0	13.9	NRCS	191	
3G-1	Flood Control	5.28	0.60	24.60	6.3	0.0	1.0	6.3	NRCS	146	FOS=5.5
3G-1 INF	Infiltration	0.73	3.49	0.50	5.1	0.0	1.0	0.5	GMU sept 2017 testing	146	FOS=5.5

TOTAL - CURRENT PLAN		
SIC (Gobernadora not included)	181.8	ac-ft
Gobernadora	17.4	ac-ft

August required volumes:		
San Juan	124.9	ac-ft
Gobernadora	8.4	ac-ft

	5-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)	Total (ac-ft)
Existing	24.5	64.9	89.4
Proposed (Unmitigated)	32.9	189.7	222.7
	Required volume mitigation (ac-ft)		133.3
Volume Mitigated	17.4	181.8	199.2
	Required volume - mitigated volume (ac-ft)		-65.9

Volume Mitigation 2-yr

Basin	Basin type	Invert (ac)	Design Infiltration rate (in/hr)	Water vol (ac-ft)	Volume infiltrated (ac-ft/day)	Sump vol (1ft deep for hydromod = water vol for WQ, none for flood)	Days drawdown	Total Mitigated Volume (ac-ft)	Source of infiltration rate data	Soil code (Used for NRCS only)	Notes
3A-1	Biofiltration	0.75	0.10	1.78	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	131	
3A-2	PreTreatment/Forebay	1.11	0.00	6.63	0.0	0.0	1.0	0.0	0	135	NRCS infiltration rates look very low - assumed 0 to be conservative.
3A-3	Infiltration	0.36	0.73	1.54	0.5	0.0	1.0	1.5	Design Infiltration Rate and Worksheet	139	
3A-4	Infiltration	2.21	0.73	9.56	3.2	0.0	1.0	3.2	Design Infiltration Rate and Worksheet	135	
3A-5	Biofiltration	1.58	0.10	4.06	0.3	0.0	1.0	0.3	Design Infiltration Rate and Worksheet	142	
3A-6	Biofiltration	0.99	0.10	2.53	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	142	
3A-7	Biofiltration	1.08	0.10	2.79	0.2	0.0	1.0	0.2	Design Infiltration Rate and Worksheet	135	
3A-8	Biofiltration	0.38	0.10	1.05	0.1	0.0	1.0	0.1	Design Infiltration Rate and Worksheet	135	
3A-9	Hydromodification	4.23	0.35	36.03	3.0	0.0	2.0	6.0	NRCS	135	
3A-10	Hydromodification	2.05	0.35	11.47	1.4	0.0	2.0	2.9	NRCS	135	
3A-11	Hydromodification	1.98	0.35	11.11	1.4	0.0	2.0	2.8	NRCS	135	
3A-12	Biofiltration	0.08	0.10	0.21	0.02	0.0	1.0	0.02	Design Infiltration Rate and Worksheet	142	
3A-13	Potential Spreading	3	0.00	0.00	0.0	0.0	1.0	0.0	NRCS	142	
3B-1	Flood Control	1.26	0.35	12.60	0.9	0.0	3.0	2.7	NRCS	142	
3B-2	PreTreatment/Forebay	0.37	0.00	5.10	0.0	0.0	1.0	0.0	NRCS	142	
3B-4	Flood Control	1.14	0.35	55.00	0.8	0.0	1.0	0.8	NRCS	142	
3B-5	Infiltration	0.58	0.53	3.44	0.6	0.0	1.0	6.1	NRCS	146	
WO Complex	Infiltration	7	5.60	115.80	78.4	0.0	1.0	84.5	NRCS	146	
3C-3	Flood Control	18.3	0.60	172.00	22.0	0.0	1.7	0.0	NRCS	191	
4E-1	Flood Control	3.28	0.60	28.65	3.9	0.0	1.0	0.0	NRCS	198	
4E-2	Infiltration	6.64	0.35	31.50	4.6	0.0	1.0	5.3	NRCS	198	
4F-1	Flood Control	3.73	0.60	19.60	4.5	0.0	1.0	0.0	NRCS	146	
4F-2	Infiltration	4.69	0.35	13.88	3.3	0.0	1.0	11.1	NRCS	191	
3G-1	Flood Control	5.28	0.60	24.60	6.3	0.0	1.0	6.3	NRCS	146	PO5-5.5
3G-1 INF	Infiltration	0.73	3.49	0.50	5.1	0.0	1.0	0.5	GMU sept 2017 testing	146	PO5-5.5

TOTAL - CURRENT PLAN		
SIC (Gobernadora not included)	117.3	ac-ft
Gobernadora	17.4	ac-ft

August required volumes:		
San Juan	88.5	ac-ft
Gobernadora	9.8	ac-ft

	2-YR		
	Gobernadora (ac-ft)	San Juan Creek (ac-ft)	Total (ac-ft)
Existing	9.7	26.1	35.8
Proposed (Unmitigated)	19.5	114.6	134.1
	Required volume mitigation (ac-ft)		98.3
Volume Mitigated	17.4	117.3	134.7
	Required volume - mitigated volume (ac-ft)		-36.4