

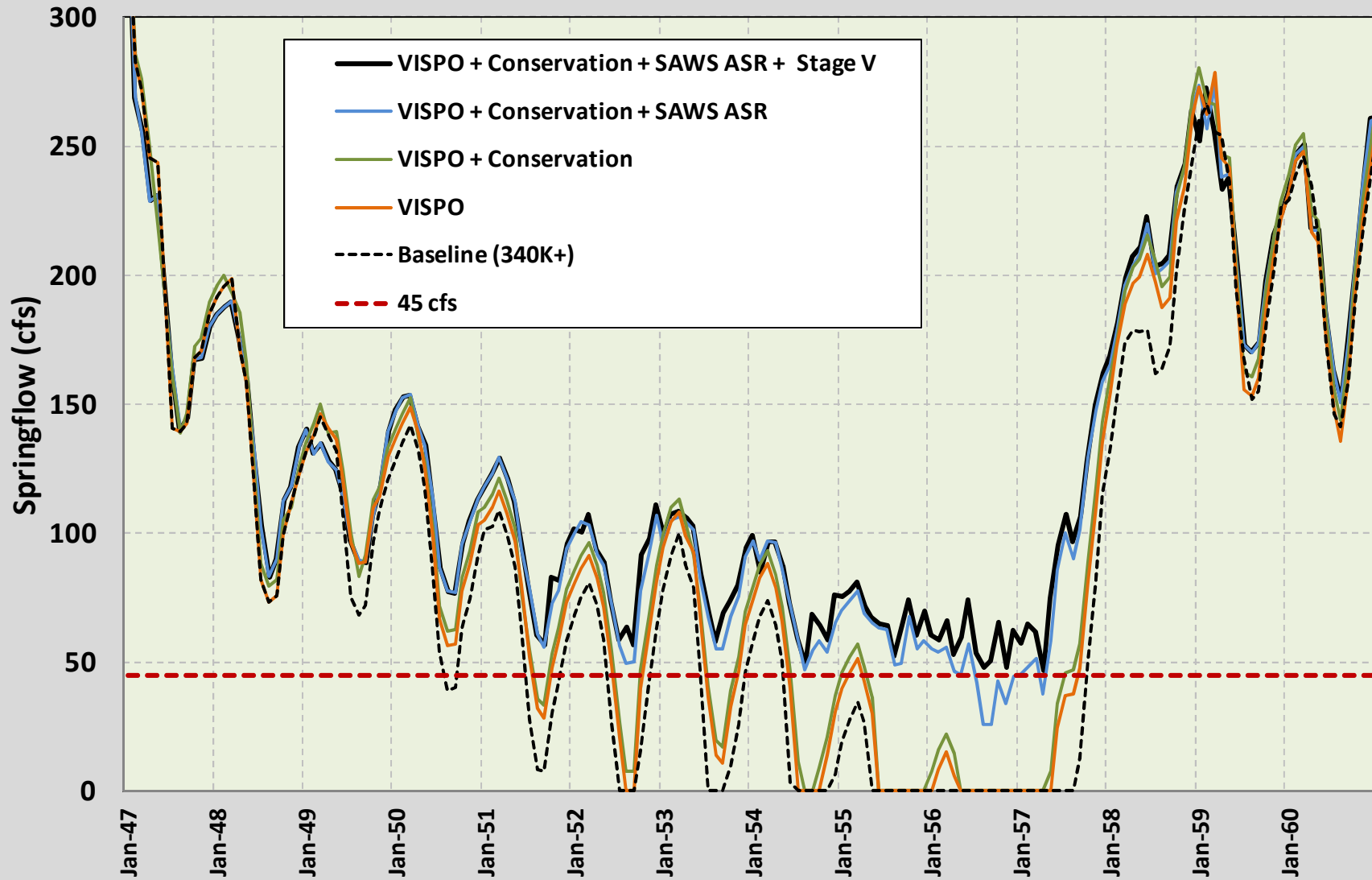
Bottom-Up Program, Phase II, Version 6

HDR

September 26, 2011

- Technical Assumptions
 - East Side Pipeline
 - ASR Filling: Same as before:
 - Total: 183,300 acft
 - ASR Recovery: Same as before:
 - Max month: 5,600 acft (100% of capacity)
 - Max year: 34,300 acft
 - Total: 91,800 acft
 - West Side Pipeline
 - ASR Recovery:
 - Max month: 1,500 acft (40% of capacity)
 - Max year: 12,000 acft
 - Total: 19,500 acft
 - Stage V
 - Comal Springs at 60cfs
 - CPM Reduction: 47%

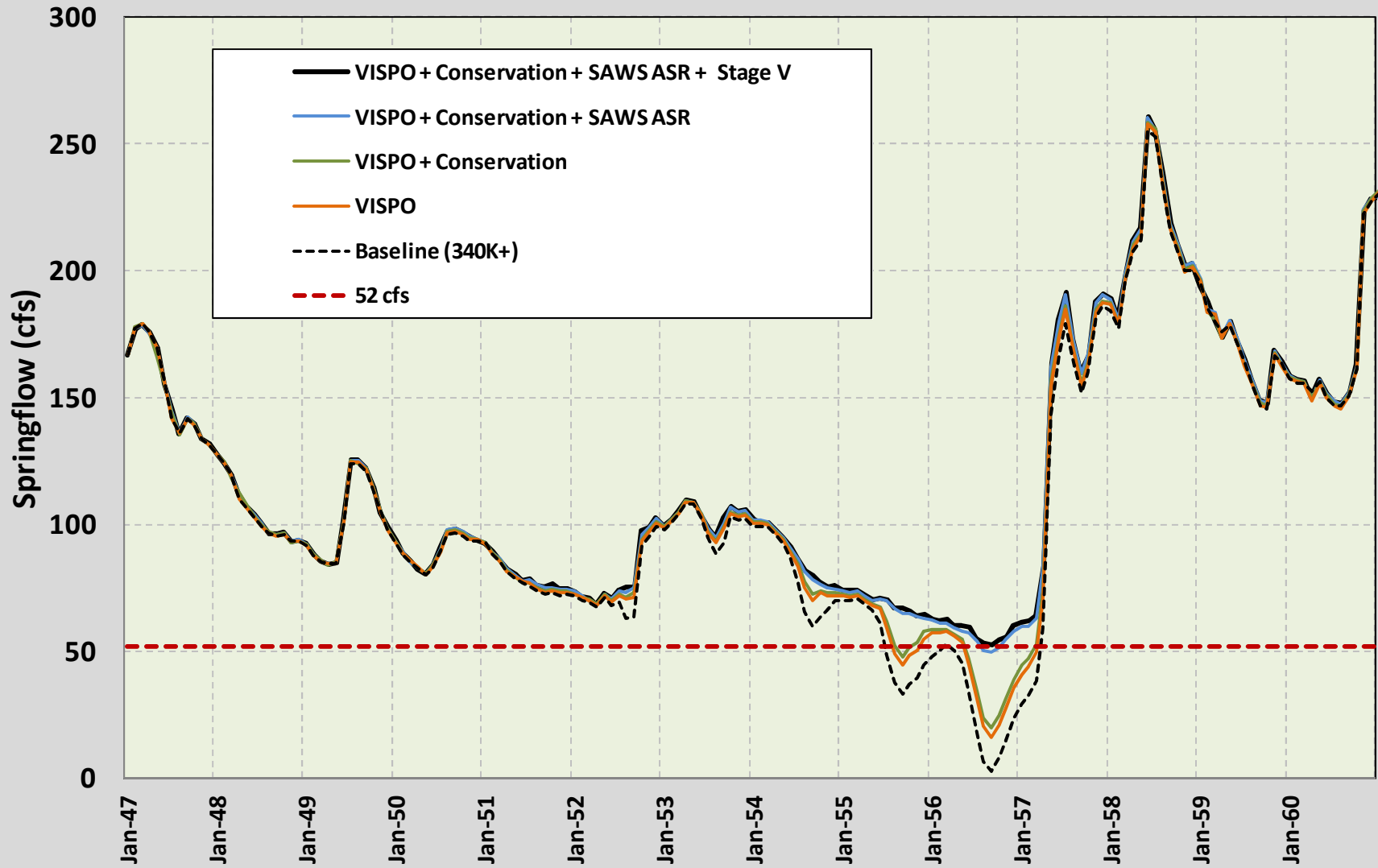
Bottom-Up Program, Phase II, Version 6 Comal Springs 1947-1960



Bottom-Up Program, Phase II, Version 6

San Marcos Springs

1947-1960



Bottom-Up Program, Phase II, Version 6

CPM Summary: San Antonio Pool (1947-2000)					
Stage, as indicated by Comal Springs, except for Stage V	Number of Months				
	Baseline (340K+)	VISPO	VISPO + Conservation	VISPO + Conservation + SAWS ASR	VISPO + Conservation + SAWS ASR + Stage V
None	205	207	214	226	226
I	71	77	84	95	96
II	151	155	151	142	141
III	99	97	98	98	99
IV	122	112	101	87	84
V	0	0	0	0	2

Springflow Occurrences below Selected Thresholds (1947-2000)						
Spring	Threshold (cfs)	Number of Months				
		Baseline (340K+)	VISPO	VISPO + Conservation	VISPO + Conservation + SAWS ASR	VISPO + Conservation + SAWS ASR + Stage V
Comal	0	38	26	21	0	0
	30	54	36	34	2	0
	45	62	47	41	7	0
	60	73	59	56	32	17
	100	122	112	101	87	86
San Marcos	0	0	0	0	0	0
	25	6	3	3	0	0
	52	20	14	12	3	0
	75	47	47	46	41	36
	100	121	118	116	114	114

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Springflow for Selected Conditions (1947-2000)						
Units: cfs						
Spring	Statistic	Baseline (340K+)	VISPO	VISPO + Conservation	VISPO + Conservation + SAWS ASR	VISPO + Conservation + SAWS ASR + Stage V
Comal	Minimum Month	0	0	0	26	47
	Minimum 6- Month Moving Average	0	0	0	36	54
	Long-Term Average	178	182	186	195	196
San Marcos	Minimum Month	2	16	19	49	52
	Minimum 6- Month Moving Average	12	25	29	53	55
	Long-Term Average	153	153	154	155	155