

Appendix F

Modeling Results

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 1. System Pressure Results for NSA – Buildout, Max Day and Average Day

NSA Pressure - Buildout, Max Day						NSA Pressures - Buildout, Average Day							
	Anatolia	Douglas	Sunrise	North	White		Anatolia	Douglas	Sunrise	North	White		
	Pressure	Road	Douglas II	Douglas	Rock		Pressure	Road	Douglas II	Douglas	Rock		
Time	(psi)	Pressure	Pressure	Pressure	Pressure	Time	(psi)	Pressure	Pressure	Pressure	Pressure		
		(psi)	(psi)	(psi)	(psi)			(psi)	(psi)	(psi)	(psi)		
Day 1	12:00 AM	66.2	74.8	62.7	65.9	66.9	Day 1	12:00 AM	69.6	79.3	63	50.1	61.1
	1:00 AM	70.6	80.6	66.4	67.5	73.5		1:00 AM	70.8	80.9	63	67.5	62.9
	2:00 AM	66.9	76.4	63.2	65.3	74.5		2:00 AM	71.7	81.5	63	65.3	66.7
	3:00 AM	69.2	78	66.7	67.6	76.9		3:00 AM	70.3	79.8	63	67.3	65.3
	4:00 AM	71.2	81.3	66.2	53.4	78.1		4:00 AM	72.6	82.8	63	53.4	67.4
	5:00 AM	76.4	82.9	67.6	59.7	80.3		5:00 AM	73.8	83.7	63	59.8	68.6
	6:00 AM	72.6	80.6	62.6	50.7	74.3		6:00 AM	71.7	81.7	63	59.4	65.9
	7:00 AM	75.5	82.4	66.3	52.9	78.9		7:00 AM	73	82.9	62.7	53.7	67.6
	8:00 AM	76.9	83.8	67.9	57.9	80.1		8:00 AM	73.5	83.4	63	58.9	68.3
	9:00 AM	77.4	83.8	67.9	56.9	81.5		9:00 AM	72.9	82.5	63	66.6	67.9
	10:00 AM	78	84.6	68.7	60.6	80.3		10:00 AM	73.7	83.6	63	68.6	68.1
	11:00 AM	78	84.6	68.7	60.7	80.3		11:00 AM	72	81.6	63	68.7	66.3
	12:00 PM	79.1	85.8	69.9	62.5	81.7		12:00 PM	72.8	82.6	63	69.7	67
	1:00 PM	79.4	86	70.2	62.9	82		1:00 PM	72.8	82.7	63	46.4	67.1
	2:00 PM	79.6	86.3	70.5	63.4	82.3		2:00 PM	72.9	82.7	63	47.2	67.1
	3:00 PM	74.7	83.6	69.2	63.9	79.5		3:00 PM	72.9	82.8	63	48	67.2
	4:00 PM	75.1	84	69.6	64.7	80		4:00 PM	73.7	82.8	65.7	49.5	68.1
	5:00 PM	73.8	82.7	68	59.7	78.9		5:00 PM	73.9	83.7	63	68.1	68.2
	6:00 PM	71.6	81	65.4	61.3	75.7		6:00 PM	73	82.9	63	62	67
	7:00 PM	73.1	82.8	66.3	58.3	76.7		7:00 PM	71.7	81.2	63	59.2	65.5
	8:00 PM	74.2	81.8	66.6	60.8	77.3		8:00 PM	73	82.9	63	61.7	67
	9:00 PM	76.1	83.7	67.6	57.1	80.1		9:00 PM	73.7	83.5	63	66.7	67.9
	10:00 PM	76	83.4	67.7	60.8	80		10:00 PM	74	83.9	63	68.8	68.4
	11:00 PM	78.2	85.7	70	63.9	82.7		11:00 PM	72.6	82.2	63	48.6	67.1
Day 2	12:00 AM	65.4	76.1	60.9	64.4	66.6	Day 2	12:00 AM	69.8	79.9	63	49.4	61.2
	1:00 AM	70.5	80.4	66.3	66.3	73.4		1:00 AM	69	79.2	61.3	67	60.9
	2:00 AM	69	79	64.9	64.5	71.7		2:00 AM	70.7	80.7	63	65	62.6
	3:00 AM	73.9	83.4	69.3	67.2	81.6		3:00 AM	71.9	81.7	63	67.5	66.9
	4:00 AM	71.2	81.2	66.1	53.4	78.1		4:00 AM	72.6	82.8	63	53.4	67.4
	5:00 AM	75.4	84	68	59.7	80.9		5:00 AM	73.8	83.7	63	59.8	68.6
	6:00 AM	72.5	80.5	62.5	50.6	74.2		6:00 AM	71.7	81.7	63	59.4	65.9
	7:00 AM	75.4	82.3	66.2	52.9	78.8		7:00 AM	72.9	82.9	62.6	53.7	67.6
	8:00 AM	76.9	83.7	67.8	57.9	80.1		8:00 AM	73.5	83.4	63	58.9	68.3
	9:00 AM	75.6	82.1	66.1	56.9	77.3		9:00 AM	73.4	83.3	63	66.6	67.6
	10:00 AM	77.9	84.5	68.5	60.6	80.2		10:00 AM	73.7	83.6	63	68.6	68.1
	11:00 AM	77.9	84.5	68.6	60.6	80.3		11:00 AM	72.6	82.5	63	68.7	66.8
	12:00 PM	79.1	85.7	69.8	62.4	81.7		12:00 PM	72.8	82.6	63	69.7	67
	1:00 PM	79.2	85.9	70.1	62.9	81.9		1:00 PM	72.8	82.7	63	46.4	67.1
	2:00 PM	79.5	86.2	70.4	63.4	82.3		2:00 PM	72.9	82.7	63	47.2	67.1
	3:00 PM	74.6	83.5	69.1	63.8	79.4		3:00 PM	73.1	82.3	65.1	48	67.5
	4:00 PM	75.1	84	69.5	64.6	80		4:00 PM	73.7	82.8	65.7	49.5	68.1
	5:00 PM	73.7	82.7	68	59.7	78.9		5:00 PM	73.8	83.7	63	68.1	68.1
	6:00 PM	73.9	83.3	67.4	61.3	78.2		6:00 PM	72.3	81.8	63.4	62	66.3
	7:00 PM	71.8	81.3	65.3	58.3	75.7		7:00 PM	71.7	81.2	63	59.2	65.5
	8:00 PM	75.4	83.3	67.6	60.7	78.3		8:00 PM	73	82.9	63	61.7	67
	9:00 PM	76.5	84	69.1	57	80.2		9:00 PM	72.8	82.6	63	66.7	66.9
	10:00 PM	75.9	83.4	67.6	60.7	80		10:00 PM	73.1	82.9	63	68.8	67.3
	11:00 PM	78.2	85.6	69.9	63.8	82.7		11:00 PM	72.6	82.2	63	48.6	67
Day 3	12:00 AM	66.7	77.4	62	64.3	68.1	Day 3	12:00 AM	71.2	81.7	62.9	49.4	62.7
	1:00 AM	70.3	80.3	66.2	66.2	73.3		1:00 AM	70.9	80.9	63	67	62.9
	2:00 AM	72.3	81.9	67.7	64.4	79.9		2:00 AM	71.7	81.5	63	64.9	66.7
	3:00 AM	73.8	83.4	69.2	67.2	81.5		3:00 AM	71.9	81.7	63	67.4	66.9
	4:00 AM	70.1	79.9	65.2	53.4	78.8		4:00 AM	72.2	82.1	63	53.5	67.7
	5:00 AM	75.4	84	67.9	59.5	80.9		5:00 AM	73.8	83.7	63	59.7	68.6
	6:00 AM	68.8	76.3	59.3	50.4	70.5		6:00 AM	71.7	81.7	63	59.3	65.9
	7:00 AM	75.4	82.3	66.1	52.7	78.8		7:00 AM	73	82.9	62.7	53.6	67.6
	8:00 AM	76.8	83.7	67.8	57.7	80		8:00 AM	73.5	83.4	63	58.8	68.3
	9:00 AM	78.3	84.9	69.7	56.7	80.2		9:00 AM	73.4	83.3	63	66.5	67.6
	10:00 AM	77.9	84.5	68.6	60.4	80.2		10:00 AM	72.6	82.5	63	68.5	66.8
	11:00 AM	77.9	84.5	68.6	60.5	80.2		11:00 AM	72.6	82.5	63	68.6	66.8
	12:00 PM	79	85.6	69.8	62.2	81.6		12:00 PM	72.8	82.6	63	69.6	67
	1:00 PM	79.3	85.9	70.1	62.7	81.9		1:00 PM	72.8	82.7	63	46.3	67.1
	2:00 PM	79.5	86.1	70.4	63.2	82.2		2:00 PM	72.8	82	64.7	47.1	67.2
	3:00 PM	74.6	83.5	69	63.6	79.4		3:00 PM	73.1	82.3	65.1	47.9	67.5
	4:00 PM	75	83.9	69.4	64.4	79.8		4:00 PM	73.7	82.8	65.7	49.4	68.1
	5:00 PM	73.7	82.7	67.9	59.5	78.8		5:00 PM	73.8	83.7	63	68	68.1
	6:00 PM	73.9	83.2	67.3	61.1	78.2		6:00 PM	72.3	81.8	63.4	61.9	66.3
	7:00 PM	71.8	81.3	65.3	58.1	75.7		7:00 PM	73.3	83.1	64.2	59.1	67.1
	8:00 PM	75.4	83.3	67.6	60.5	78.3		8:00 PM	74.1	83.1	63	61.6	67.4
	9:00 PM	76.5	84	69	56.8	80.2		9:00 PM	74	82.8	63	66.6	67.7

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 2. System Pressure Results for NSA – Pre Phase 1 and Phase 1

NSA Pressures - Pre-Phase 1, Max Day						NSA Pressures - Phase 1, Max Day							
	Anatolia	Douglas	Sunrise	North	White		Anatolia	Douglas	Sunrise	North	White		
	Pressure	Road	Douglas II	Douglas	Rock		Pressure	Road	Douglas II	Douglas	Rock		
Time	(psi)	(psi)	(psi)	(psi)	(psi)	Time	(psi)	(psi)	(psi)	(psi)	(psi)		
Day 1	12:00 AM	85.4	95.4	N/A	57.9	80.2	Day 1	12:00 AM	73.6	85.2	N/A	52.3	69.4
	1:00 AM	92.2	102.7	N/A	65.1	87.5		1:00 AM	73.2	84.4	N/A	60.4	68.9
	2:00 AM	90.8	101.2	N/A	63.8	86.1		2:00 AM	71	82.3	N/A	59.4	66.7
	3:00 AM	92.3	102.8	N/A	65.2	87.6		3:00 AM	73.1	84.4	N/A	60.4	68.8
	4:00 AM	76.5	86.9	N/A	53.8	71.7		4:00 AM	73.1	84.7	N/A	53.8	68.9
	5:00 AM	70.6	80.7	N/A	43.6	65.5		5:00 AM	71	82.5	N/A	56.7	66.6
	6:00 AM	64.7	74.9	N/A	45.4	59.7		6:00 AM	68.5	79.3	N/A	45.3	63.1
	7:00 AM	74.9	85.2	N/A	53.5	70		7:00 AM	74.3	84.7	N/A	53.4	69
	8:00 AM	74	84.1	N/A	55.7	68.8		8:00 AM	74.7	85	N/A	55.6	69.3
	9:00 AM	77.2	87.2	N/A	50.2	72		9:00 AM	77.5	87.7	N/A	49.3	72.1
	10:00 AM	81.4	91.4	N/A	54.3	76.2		10:00 AM	80.9	91	N/A	52.8	75.5
	11:00 AM	81.6	91.6	N/A	54.4	76.3		11:00 AM	81	91.2	N/A	52.9	75.6
	12:00 PM	74.4	84.1	N/A	49.1	68.8		12:00 PM	76.8	86.7	N/A	49	71
	1:00 PM	74.8	84.6	N/A	49.4	69.3		1:00 PM	77.1	87.1	N/A	49.3	71.4
	2:00 PM	75.3	85	N/A	49.6	69.7		2:00 PM	77.5	87.5	N/A	49.7	71.8
	3:00 PM	75.7	85.5	N/A	49.9	70.2		3:00 PM	77.9	87.9	N/A	50.1	72.2
	4:00 PM	76.6	86.3	N/A	50.4	71		4:00 PM	78.7	88.7	N/A	50.8	73
	5:00 PM	76.5	86.4	N/A	49.5	71.2		5:00 PM	77.9	88	N/A	49.8	72.4
	6:00 PM	63.5	73.3	N/A	36.8	58		6:00 PM	67.6	77.8	N/A	39.2	62
	7:00 PM	58.6	68.4	N/A	54.5	53.1		7:00 PM	63.5	73.8	N/A	35	57.9
	8:00 PM	63.1	72.9	N/A	36.4	57.6		8:00 PM	67.8	78	N/A	39.4	62.2
	9:00 PM	74.1	83.9	N/A	47.1	68.7		9:00 PM	76.3	86.4	N/A	48.1	70.7
	10:00 PM	78.4	88.4	N/A	51.4	73.1		10:00 PM	79.8	89.9	N/A	51.6	74.3
	11:00 PM	82	91.9	N/A	54.8	76.7		11:00 PM	74	83.9	N/A	49.1	68.3
Day 2	12:00 AM	66.8	76.3	N/A	49.4	61.1	Day 2	12:00 AM	63.1	75	N/A	49.4	58.8
	1:00 AM	85.8	96.1	N/A	58.9	80.9		1:00 AM	70	81.4	N/A	57.5	65.7
	2:00 AM	83	93.3	N/A	56.6	78.1		2:00 AM	67.6	79	N/A	56.5	63.3
	3:00 AM	86.3	96.6	N/A	59.4	81.4		3:00 AM	70.1	81.5	N/A	57.5	65.8
	4:00 AM	76.3	86.6	N/A	51.1	71.4		4:00 AM	75.4	87	N/A	50.9	71.2
	5:00 AM	74.7	84.9	N/A	54.1	69.7		5:00 AM	72.8	84.4	N/A	53.8	68.4
	6:00 AM	64.6	74.8	N/A	42.7	59.6		6:00 AM	75	86.1	N/A	47.3	69.8
	7:00 AM	74.8	85	N/A	50.8	69.8		7:00 AM	75.4	85.9	N/A	50.5	70.2
	8:00 AM	73.8	83.9	N/A	53	68.7		8:00 AM	75.8	86.1	N/A	52.7	70.4
	9:00 AM	76.4	86.3	N/A	49.3	71.1		9:00 AM	81.8	92	N/A	54.1	76.5
	10:00 AM	80.5	90.5	N/A	53.4	75.3		10:00 AM	72.8	82.7	N/A	44.8	67.1
	11:00 AM	80.7	90.6	N/A	53.5	75.4		11:00 AM	72.8	82.7	N/A	44.9	67.2
	12:00 PM	73.9	83.7	N/A	47.1	68.4		12:00 PM	61.7	71.3	N/A	46.1	55.6
	1:00 PM	74.3	84	N/A	47.5	68.7		1:00 PM	62.4	72	N/A	46.4	56.3
	2:00 PM	74.7	84.4	N/A	47.9	69.1		2:00 PM	63.1	72.7	N/A	46.6	57
	3:00 PM	75	84.8	N/A	48.2	69.5		3:00 PM	63.8	73.3	N/A	46.9	57.7
	4:00 PM	75.9	85.7	N/A	49	70.3		4:00 PM	65	74.6	N/A	47.4	59
	5:00 PM	75.6	85.5	N/A	48.5	70.2		5:00 PM	65.3	75.1	N/A	42	59.5
	6:00 PM	62.7	72.4	N/A	35.9	57.2		6:00 PM	67.6	77.8	N/A	39.1	62
	7:00 PM	56.9	66.6	N/A	30.1	51.4		7:00 PM	73.8	84.4	N/A	44.8	68.4
	8:00 PM	62.1	71.9	N/A	35.4	56.7		8:00 PM	76.7	87.2	N/A	47.8	71.3
	9:00 PM	73.1	83	N/A	46	67.7		9:00 PM	76.2	86.4	N/A	47.9	70.7
	10:00 PM	77.5	87.4	N/A	50.4	72.2		10:00 PM	79.7	89.8	N/A	51.4	74.2
	11:00 PM	80.9	90.8	N/A	53.7	75.6		11:00 PM	82.6	92.7	N/A	54.4	77.1
Day 3	12:00 AM	66.4	76	N/A	46.9	60.7	Day 3	12:00 AM	64	76	N/A	46.8	59.8
	1:00 AM	84.1	94.4	N/A	57.1	79.2		1:00 AM	71	82.3	N/A	54.9	66.7
	2:00 AM	81.7	92	N/A	54.8	76.8		2:00 AM	68.7	80.1	N/A	53.9	64.4
	3:00 AM	84.5	94.8	N/A	57.5	79.6		3:00 AM	71.1	82.5	N/A	55	66.8
	4:00 AM	75.7	86.1	N/A	48.8	70.9		4:00 AM	76.2	87.8	N/A	49.4	72
	5:00 AM	69	79.1	N/A	41.8	63.9		5:00 AM	70.9	82.5	N/A	43.9	66.5
	6:00 AM	64.3	74.5	N/A	40.8	59.3		6:00 AM	68.2	79.8	N/A	42.4	63.4
	7:00 AM	74.3	84.6	N/A	48.7	69.4		7:00 AM	72.8	84	N/A	48.1	68.1
	8:00 AM	73.7	83.8	N/A	50.5	68.6		8:00 AM	72.9	84	N/A	50.3	68.2
	9:00 AM	75.5	85.4	N/A	48.3	70.2		9:00 AM	69.5	80.6	N/A	42.1	64.8
	10:00 AM	79.6	89.5	N/A	52.3	74.3		10:00 AM	73.2	84.2	N/A	45.8	68.5
	11:00 AM	79.7	89.7	N/A	52.5	74.4		11:00 AM	73.1	84.2	N/A	45.7	68.4
	12:00 PM	72.9	82.6	N/A	46	67.3		12:00 PM	76.2	86.9	N/A	48.5	71
	1:00 PM	73.5	83.2	N/A	46.6	67.9		1:00 PM	76.5	87.2	N/A	48.8	71.3
	2:00 PM	73.9	83.6	N/A	47	68.3		2:00 PM	76.8	87.5	N/A	49.1	71.6
	3:00 PM	74.2	83.9	N/A	47.3	68.6		3:00 PM	77.1	87.7	N/A	49.4	71.9
	4:00 PM	75	84.8	N/A	48.1	69.5		4:00 PM	78.2	88.2	N/A	50	72.5
	5:00 PM	74.8	84.6	N/A	47.6	69.4		5:00 PM	77.3	87.4	N/A	48.9	71.7
	6:00 PM	61.3	71.1	N/A	34.5	55.9		6:00 PM	76.1	86.6	N/A	47.2	70.7
	7:00 PM	67	77	N/A	40.8	61.7		7:00 PM	73.4	83.9	N/A	44.3	68
	8:00 PM	70.5	80.5	N/A	44.1	65.3		8:00 PM	76.3	86.8	N/A	47.3	70.8
	9:00 PM	77.9	87.9	N/A	50.9	72.6		9:00 PM	75.8	86	N/A	47.4	70.3
	10:00 PM	76.6	86.5	N/A	49.4	71.3		10:00 PM	79.2	89.4	N/A	50.8	73.7
	11:00 PM	80.1	90	N/A	52.9	74.7		11:00 PM	82.2	92.3	N/A	53.9	76.7
	12:00 AM	78.4	88.3	N/A	51.3	73		12:00 AM	71.9	81.6	N/A	45.2	66.1

Table F- 3. System Pressure Results for NSA – Phase 2, Max Day

NSA Pressures - Phase 2, Max Day						
	Anatolia	Douglas	Sunrise	North	White	
	Pressure	Road	Douglas II	Douglas	Rock	
Time	(psi)	Pressure	Pressure	Pressure	Pressure	
		(psi)	(psi)	(psi)	(psi)	
Day 1	12:00 AM	70.8	81.2	60.3	57.1	62.1
	1:00 AM	71.6	81.2	61.8	52.7	65.5
	2:00 AM	70.1	82.1	61.6	50.1	65.6
	3:00 AM	71.3	82.6	65	52.8	66.7
	4:00 AM	68.4	79.5	64.1	43.6	63.6
	5:00 AM	73.9	84.8	64.4	45.7	68.1
	6:00 AM	73.8	83.6	65	52.9	66.6
	7:00 AM	75.7	85.4	65	52.4	68.7
	8:00 AM	75.8	85.3	65	46.2	68.4
	9:00 AM	76	85	65	51.8	68.4
	10:00 AM	76.5	85.4	65	54.2	68.9
	11:00 AM	76.5	85.4	65	54.2	68.9
Day 2	12:00 PM	75.8	84.5	65	55.4	67.9
	1:00 PM	75.8	84.6	65	55.7	68
	2:00 PM	73.4	83.8	64.9	56	67.1
	3:00 PM	73.6	83.9	65	56.3	67.2
	4:00 PM	73.7	84	65	56.8	67.3
	5:00 PM	73.5	83.9	64.8	53.6	67.6
	6:00 PM	72.2	82.3	62.6	46.5	65.6
	7:00 PM	73.3	84.2	65	46	67.3
	8:00 PM	73.8	84.6	65	46.3	67.8
	9:00 PM	76.1	86.9	65.6	52	70.4
	10:00 PM	74.8	85.3	65	54.4	69
	11:00 PM	75.9	86.4	65.8	56.4	70.2
Day 2	12:00 AM	70.1	82.7	61.1	56.7	65.7
	1:00 AM	70	82	61.5	52.4	65.5
	2:00 AM	67.9	80	59.3	50	63.4
	3:00 AM	72.1	83.7	65	52.7	67.5
	4:00 AM	68.3	79.5	64.1	43.6	63.6
	5:00 AM	73.9	84.8	64.4	45.7	68.1
	6:00 AM	73.8	83.6	65	52.9	66.6
	7:00 AM	75.7	85.4	65	52.4	68.7
	8:00 AM	75.8	85.2	65	46.2	68.3
	9:00 AM	76	85	65	51.8	68.4
	10:00 AM	76.5	85.4	65	54.2	68.9
	11:00 AM	76.5	85.4	65	54.3	68.9
Day 3	12:00 PM	75.8	84.5	65	55.4	67.9
	1:00 PM	75.8	84.6	65	55.7	68
	2:00 PM	73.4	83.7	64.8	56	67
	3:00 PM	73.6	83.9	65	56.3	67.2
	4:00 PM	73.7	84	65	56.8	67.3
	5:00 PM	73.1	83.6	64.4	53.6	67.2
	6:00 PM	74.1	84.2	65	46.5	67.6
	7:00 PM	73.3	84.2	65	46	67.4
	8:00 PM	73.8	84.6	65	46.3	67.8
	9:00 PM	74.3	84.8	65	52	68.5
	10:00 PM	74.8	85.3	65	54.4	69
	11:00 PM	75.8	86.3	65.7	56.5	70
Day 3	12:00 AM	64.6	75.5	54.8	56.8	59.1
	1:00 AM	70.1	82.1	61.6	52.4	65.6
	2:00 AM	68.1	80.2	59.5	50	63.5
	3:00 AM	72.1	83.7	65	52.7	67.5
	4:00 AM	71.3	82.9	65	45.1	66.7
	5:00 AM	73.9	84.8	64.4	45.7	68.1
	6:00 AM	74.7	84.8	65	44.8	67.6
	7:00 AM	75.6	85.3	65	45.9	68.6
	8:00 AM	75.8	85.3	65	46.2	68.4
	9:00 AM	76	84.9	65	52.2	68.4
	10:00 AM	76.5	85.4	65	54.6	68.9
	11:00 AM	76.5	85.4	65	54.7	68.9
12:00 PM	75.7	84.5	65	55.8	67.9	
1:00 PM	75.8	84.5	65	56.1	68	
2:00 PM	73.3	83.6	64.7	56.4	66.9	
3:00 PM	73.6	83.9	65	56.7	67.2	
4:00 PM	73.7	84	65	57.2	67.3	
5:00 PM	73.3	83.8	64.6	54	67.4	
6:00 PM	74.1	84.2	65	46.9	67.6	
7:00 PM	73.3	84.2	65	46	67.3	
8:00 PM	73.7	84.6	65	46.7	67.8	
9:00 PM	74.3	84.8	65	52.4	68.5	

Table F- 4. System Pressure Results for CSA – Buildout, Max Day

CSA Pressures - Buildout, Max Day, "Dry" Year									CSA Pressures - Buildout, Max Day, "Wet" Year								
Time	North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well	Time	North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		
	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)		Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	
Day 1									Day 1								
12:00 AM	71.5	77.4	66.5	70.8	78.6	83.7	69.1	12:00 AM	71.5	58.9	49.2	55.9	55.1	54.4	64.3		
1:00 AM	73.9	73.6	68.6	71.9	79.2	82.2	70	1:00 AM	73.6	60.1	53.7	58.4	60.1	61.1	61.7		
2:00 AM	70.5	69	63.9	67.3	75.6	78.1	65.4	2:00 AM	70.6	54.8	47.9	53	54.3	55.1	56.9		
3:00 AM	73.9	74.4	69.4	72.6	80.1	83	70.7	3:00 AM	73.5	60	53.6	58.4	60	61	61.6		
4:00 AM	73.7	69.3	63.6	66.4	74.6	76.7	64.5	4:00 AM	73.5	50.3	44.4	48.8	51.5	54.6	52.8		
5:00 AM	63.4	77.1	63.6	66.9	73.9	74.6	67.8	5:00 AM	63.3	77.8	63.4	69.2	64.9	65	81.3		
6:00 AM	62.6	71.6	61.6	62.7	69.8	78.7	62.1	6:00 AM	62.8	70.8	62.8	62.7	61	65	76.5		
7:00 AM	65.9	65.7	63.6	63.6	72.3	81.7	63.5	7:00 AM	65.9	75.6	62.6	67.2	63.9	65	79.6		
8:00 AM	60.9	67	63.2	64.8	73.3	80.5	64.6	8:00 AM	60.9	77.3	62.9	68.8	64.8	65	80.7		
9:00 AM	59.4	70	63.6	67.6	75.9	81	67.5	9:00 AM	59.5	84.6	71.9	77.8	75.8	76.5	85.8		
10:00 AM	64.3	66.9	63.6	65.3	74.3	80	63.4	10:00 AM	64.4	74.4	63.6	68.5	67.5	68.8	74.2		
11:00 AM	64.4	66.8	63.6	65.2	73.9	80	63.4	11:00 AM	64.5	74.4	63.6	68.5	67.5	68.9	74.2		
12:00 PM	66.8	67.4	63.6	65.8	74.6	80.6	63.9	12:00 PM	66.9	73.3	61.4	66.9	65	65	73.2		
1:00 PM	67.5	67.5	63.6	65.9	75	80.7	64	1:00 PM	67.6	73.6	61.7	67.2	65.3	65	73.5		
2:00 PM	68.1	67.5	63.6	65.9	74.5	80.7	64	2:00 PM	68.2	73.9	62.1	67.6	65.5	65	73.8		
3:00 PM	68.8	67.7	63.6	66	74.8	80.9	64.1	3:00 PM	68.8	74.2	62.4	67.9	65.7	65	74.1		
4:00 PM	69.8	69.6	63.6	66.8	75.7	81.5	64.9	4:00 PM	69.9	79.7	69.8	74.5	74.4	76.2	78.9		
5:00 PM	63.3	68	63	65.2	73.7	79.6	63.3	5:00 PM	63.4	73.9	63.6	68	66.6	67.7	73.9		
6:00 PM	65.6	71.7	63.6	64.9	73.1	78.4	63.1	6:00 PM	65.6	67.8	57.1	61.6	62	65	68.6		
7:00 PM	61.6	74.6	63.4	67.1	74.9	79.5	67.6	7:00 PM	61.6	65.8	54.9	59.6	60.9	65	66.8		
8:00 PM	64.9	67	62.6	64.7	73.1	78.4	64.6	8:00 PM	64.9	67.8	57.1	61.6	62	65	68.6		
9:00 PM	59.9	70.1	63.6	67.6	75.8	81.1	67.5	9:00 PM	60	72.2	61.9	66	64.1	65	72.4		
10:00 PM	64.8	66.9	63.6	65.2	74	80	63.4	10:00 PM	64.9	74.6	63.6	68.7	67.7	69	74.5		
11:00 PM	68.9	66.4	62.2	64.8	74.1	80.2	62.8	11:00 PM	69	79.4	69.4	74.1	73.9	75.7	78.7		
Day 2									Day 2								
12:00 AM	69.6	67.2	63	65.6	74.9	80.8	63.7	12:00 AM	69.7	58.5	48.7	55.5	54.8	54.1	63.9		
1:00 AM	72.2	74.2	69.2	72.4	79.9	82.8	70.5	1:00 AM	72.2	59.8	53.4	58.2	59.8	60.8	61.4		
2:00 AM	69.8	68.7	63.6	67	74.9	77.9	65.1	2:00 AM	69.8	54.6	47.7	52.8	54.2	55	56.7		
3:00 AM	73.6	80.8	74.8	78.2	84.2	87.7	76.3	3:00 AM	73.5	60.2	53.8	58.5	60.2	61.2	61.8		
4:00 AM	73.6	69.3	63.6	66.4	74.6	76.7	64.5	4:00 AM	73.4	61.3	54	58.1	59.9	62.7	61.3		
5:00 AM	63.4	78.1	63.6	68.2	75.6	80.4	68.9	5:00 AM	63.3	73.9	63	66.6	63.9	65	76.1		
6:00 AM	62.6	71.6	61.7	62.7	70.3	78.8	62.1	6:00 AM	62.7	70.4	62.3	62.3	60.8	65	76.1		
7:00 AM	66	65.7	63.6	63.6	72.6	81.8	63.5	7:00 AM	66	75.3	62.4	66.9	63.8	65	79.3		
8:00 AM	61	66.9	63.2	64.7	73.3	80.5	64.6	8:00 AM	60.9	77	62.8	68.6	64.7	65	80.4		
9:00 AM	59.5	70	63.6	67.6	75.9	81	67.4	9:00 AM	59.5	84.2	71.5	77.4	75.4	76.1	85.4		
10:00 AM	64.4	66.8	63.6	65.2	73.7	79.9	63.3	10:00 AM	64.4	74.2	63.6	68.4	67.4	68.7	74		
11:00 AM	64.5	66.8	63.6	65.2	74	80	63.4	11:00 AM	64.6	74.3	63.6	68.4	67.4	68.8	74.1		
12:00 PM	66.9	67.4	63.6	65.8	74.7	80.6	63.9	12:00 PM	67	73	61.2	66.8	64.9	65	73		
1:00 PM	67.5	67.5	63.6	65.9	75	80.7	64	1:00 PM	67.6	73.4	61.6	67.1	65.1	65	73.3		
2:00 PM	68.1	67.5	63.6	65.9	74.4	80.7	64	2:00 PM	68.2	73.6	61.9	67.4	65.4	65	73.6		
3:00 PM	68.8	67.6	63.6	66	74.8	80.9	64.1	3:00 PM	68.9	74	62.2	67.7	65.6	65	73.8		
4:00 PM	69.9	67	62.7	65.3	74.6	80.6	63.4	4:00 PM	70	79.3	69.4	74.2	74	75.8	78.6		
5:00 PM	63.3	68	63	65.2	73.8	79.7	63.3	5:00 PM	63.4	73.8	63.6	67.9	66.5	67.6	73.7		
6:00 PM	65.6	71.7	63.6	64.9	73.2	78.4	63.2	6:00 PM	65.7	67.7	57	61.5	61.9	65	68.4		
7:00 PM	61.7	71.6	63.6	66.4	74.4	79.1	66.6	7:00 PM	61.7	65.6	54.7	59.4	60.8	65	66.6		
8:00 PM	64.9	66.8	62.3	64.4	72.6	78.2	64.3	8:00 PM	64.9	67.7	57	61.5	61.9	65	68.4		
9:00 PM	59.9	70	63.6	67.6	75.6	81.1	67.4	9:00 PM	64.9	71.8	61.6	65.6	63.8	64.6	72		
10:00 PM	64.8	66.9	63.6	65.3	74.4	80.1	63.4	10:00 PM	64.9	74.6	63.6	68.6	67.6	68.9	74.4		
11:00 PM	68.9	67.7	63.6	66.1	74.7	81	64.1	11:00 PM	69	79.2	69.2	74	73.7	75.5	78.5		
Day 3									Day 3								
12:00 AM	69.6	67	62.8	65.3	74.5	80.6	63.4	12:00 AM	69.7	58.7	48.8	55.7	54.9	54.2	64.2		
1:00 AM	72.2	74.1	69.1	72.4	79.8	82.7	70.4	1:00 AM	72.2	60.2	53.7	58.5	60.1	61.2	61.8		
2:00 AM	69.8	76.6	70.3	73.8	80.3	83.7	71.9	2:00 AM	69.8	54.1	47.2	52.3	53.8	54.6	56.3		
3:00 AM	73.5	81	75	78.3	84.5	87.8	76.4	3:00 AM	73.5	59.9	53.5	58.3	59.9	60.9	61.5		
4:00 AM	73.5	69.3	63.6	66.4	74.6	76.7	64.5	4:00 AM	73.3	61.1	53.8	57.9	59.8	62.6	61.1		
5:00 AM	63.4	74.7	63.6	67.3	75	79.8	67.7	5:00 AM	63.3	74.3	63.2	66.9	64	65	76.5		
6:00 AM	62.6	71.5	61.7	62.7	70	78.7	62.1	6:00 AM	62.7	70.8	62.5	62.6	61	65	76.5		
7:00 AM	65.7	68.8	62.1	63.7	72.2	79.2	64	7:00 AM	66	75.7	62.7	67.2	63.9	65	79.7		
8:00 AM	60.7	66.9	63.2	64.7	73.5	80.5	64.5	8:00 AM	61	77.4	63	68.9	64.8	65	80.9		
9:00 AM	59.3	69.9	63.6	67.5	75.3	80.9	67.3	9:00 AM	59.6	84.8	72	78	76	76.7	86		
10:00 AM	64.2	66.8	63.6	65.2	74.1	80	63.3	10:00 AM	64.5	74.4	63.6	68.6	67.5	68.9	74.3		
11:00 AM	64.3	66.9	63.6	65.3	74.4	80	63.4	11:00 AM	64.6	74.5	63.6	68.6	67.6	68.9	74.3		
12:00 PM	66.7	67.3	63.6	65.7	74.3	80.5	63.8	12:00 PM	67	73.4	61.5	67	65.1	65	73.6		
1:00 PM	67.3	67.4	63.6	65.8	74.7	80.7	63.9	1:00 PM	67.7	73.7	61.8	67.3	65.3	65	73.6		
2:00 PM	68	67.6	63.6	65.9	75	80.8	64	2:00 PM	68.3	74	62.2	67.6	65.5	65	73.9		
3:00 PM	68.6	67.7	63.6	66	75.1	80.9	64.1	3:00 PM	68.9	74.3	62.5	68	65.7	65	74.2		
4:00 PM	69.7	66.6	62.3	64.9	73.9	80.3	63	4:00 PM	70	79.9	70	74.7	74.6	76.4	79.1		
5:00 PM	63.2	65.9	63.2	64.3	73.3	79.2	62.5	5:00 PM	63.4	73.9	63.6	68	66.6	67.7	73.9		
6:00 PM	65.5	63.7	63.1	62.7	71.3	76.7	60.3	6:00 PM	65.7	67.9	57.1	61.6	62	65	68.6		
7:00 PM	61.6	67.2	63.5	65	73.6	80.7	64.8	7:00 PM	61.7	65.8	54.9	59.6	60.9	65	66.8		
8:00 PM	64.8	70.4	63.6	66.9	75.1	82	66.9	8:00 PM	65	67.8	57.1	61.6	62	65	68.6		
9:00 PM	59.8	72.4	63.8	68.7	76.7	81.7	68.8	9:00 PM	60	72.2	61.9	66	64.1	65	72.4		
10:00 PM	64.7	68.9	63.6	66.1	74.3	80.4	64.2	10:00 PM	65	74.7	63.6	68.7	67.7	69	74.6		
11:00 PM	68.9	69.5	63.6	66.6	75.3	81.2	64.7	11:00 PM	69.1	79.5	69.4	74.2	74	75.7	78.8		
12:00 AM	69.5	69.6	63.6	66.7	75.6	81.4	64.8	12:00 AM	69.8	79	69	73.8	73.6	75.4	78.2		

Table F- 5. System Pressure Results for CSA – Buildout, Average Day and Pre-Phase 1, Max Day

CSA Pressures - Buildout, Average Day, "Wet" Year									CSA Pressures - Pre-Phase 1, Max Day								
	North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		
Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)		
Day 1	12:00 AM	52.4	65.9	57.1	63.4	62.5	59	Day 1	12:00 AM	68.9	62.5	59.1	62.8	N/A	75		
	1:00 AM	76.1	68.3	62.5	66.9	68.1	66.4		1:00 AM	72.2	65.1	61.8	64.3	N/A	73.1		
	2:00 AM	73	67.9	61.8	66.3	66.9	64.5		2:00 AM	76.4	69.3	66.6	68.5	N/A	76.8		
	3:00 AM	76.1	68.3	62.4	66.8	68	66.2		3:00 AM	72.5	65.5	62.1	64.6	N/A	73.4		
	4:00 AM	57.1	69.8	63	66.8	66.7	66		4:00 AM	72.1	65.4	63	64.7	N/A	77.3		
	5:00 AM	65.5	67.9	58.6	64	63.6	65		5:00 AM	67.7	68.1	61.9	62.8	N/A	75.2		
	6:00 AM	64.9	64.1	49.1	57.7	55.5	55.9		6:00 AM	51.1	56.5	49.2	53.7	N/A	72.3		
	7:00 AM	57.1	67.3	57.2	63.1	63	64.6		7:00 AM	65.5	67	59.9	62.8	N/A	78.7		
	8:00 AM	64	67.6	57.1	63.4	63.1	64.3		8:00 AM	67.4	67.8	60.9	62.8	N/A	77.1		
	9:00 AM	74.3	68.6	59.2	64.7	64.1	65		9:00 AM	73.4	72.5	64.1	67.5	N/A	79		
	10:00 AM	77	68.9	59.8	65.1	64.5	65		10:00 AM	68.4	65.5	58.6	62.8	N/A	75.5		
	11:00 AM	77	68.9	59.8	65.1	64.5	65		11:00 AM	68.4	65.4	58.5	62.8	N/A	75.4		
	12:00 PM	46	68.3	56.7	64	63.4	62.1		12:00 PM	66	64.1	54.8	62.7	N/A	73.9		
	1:00 PM	47.1	68.9	60	65.2	64.2	62.5		1:00 PM	66.2	64.3	55.1	62.7	N/A	74		
	2:00 PM	48.1	68.9	60	65.2	64.2	62.7		2:00 PM	66.3	64.3	55.1	62.7	N/A	73.9		
	3:00 PM	49.2	69.3	61.6	66	65.2	64.3		3:00 PM	67.2	64.8	56.2	62.8	N/A	74.6		
	4:00 PM	51.2	69.5	62.1	66.3	65.8	65		4:00 PM	67.7	65.1	56.7	62.8	N/A	74.9		
	5:00 PM	76.5	68.8	59.8	65	64.5	65		5:00 PM	67.5	65	57.9	62.8	N/A	74.2		
	6:00 PM	68	67.9	57.7	63.7	63.2	63.6		6:00 PM	65.7	64.2	58.5	62.7	N/A	72.5		
	7:00 PM	64.1	67.3	56.4	62.8	61.7	61.7		7:00 PM	65.1	63.9	59.3	62.7	N/A	71.7		
	8:00 PM	67.5	67.9	57.6	63.7	63.1	63.6		8:00 PM	65.2	63.9	56.9	62.7	N/A	74.7		
	9:00 PM	74.2	68.5	59.1	64.6	64	64.8		9:00 PM	63.4	62.1	52.6	60.8	N/A	74.3		
	10:00 PM	76.9	69	60.3	65.3	64.8	65		10:00 PM	66.5	64.5	55.7	62.7	N/A	73.4		
Day 2	11:00 PM	49.8	69.1	60.4	65.5	64.9	65	Day 2	11:00 PM	67.4	64.9	56.4	62.8	N/A	73.9		
	12:00 AM	50.8	69.1	60.9	65.5	64.2	60.2		12:00 AM	67.6	65	56.6	62.8	N/A	74		
	1:00 AM	74.5	69.8	62	66.4	64.9	60.5		1:00 AM	70.4	63.4	59.3	62.8	N/A	73		
	2:00 AM	71.7	69.6	61.6	66.2	64.6	59.4		2:00 AM	68.8	62	57.8	62.7	N/A	73		
	3:00 AM	75.1	69.8	62	66.4	64.9	60.5		3:00 AM	69.9	62.9	58.8	62.8	N/A	72.1		
	4:00 AM	56.4	69.1	60.5	65.5	64.3	62.1		4:00 AM	68.8	62.2	59.1	62.8	N/A	74.9		
	5:00 AM	65	67.9	58.6	63.9	63.6	65		5:00 AM	67	67.8	59.9	62.8	N/A	75.3		
	6:00 AM	64.6	64.1	49.1	57.7	55.4	55.8		6:00 AM	48.5	54.2	46.7	51.3	N/A	67.9		
	7:00 AM	56.9	66.8	55.1	62	61.2	62		7:00 AM	63.1	65.8	57.6	62.7	N/A	72		
	8:00 AM	63.8	67.6	57.1	63.4	63.1	64.3		8:00 AM	63.4	65.8	55.4	62.7	N/A	72.4		
	9:00 AM	74	68.5	59.1	64.7	64.1	64.9		9:00 AM	64.8	66.4	53.8	62.7	N/A	73.6		
	10:00 AM	76.8	69	60.5	65.4	64.9	65		10:00 AM	63	61.6	51.8	60.3	N/A	72.5		
	11:00 AM	76.8	69	60.4	65.4	64.8	65		11:00 AM	62.9	61.5	51.7	60.2	N/A	72.3		
	12:00 PM	45.8	68.5	57.7	64.4	63.9	63.1		12:00 PM	63.7	62.2	52.5	60.9	N/A	70.3		
	1:00 PM	46.8	69.1	60.8	65.5	64.5	63.3		1:00 PM	63.9	62.3	52.7	61.1	N/A	70.3		
	2:00 PM	47.9	69.2	61	65.6	64.7	63.6		2:00 PM	64.1	62.5	52.9	61.2	N/A	70.3		
	3:00 PM	48.9	69.2	61.1	65.7	64.8	63.7		3:00 PM	64.7	63	53.5	61.8	N/A	70.7		
	4:00 PM	50.9	69.1	60.5	65.5	64.9	65		4:00 PM	68	65.2	57.2	62.8	N/A	73.1		
	5:00 PM	75.9	68.7	59.6	65	64.4	65		5:00 PM	62.3	61	51.4	59.7	N/A	69.8		
	6:00 PM	67.7	67.9	57.6	63.7	63.2	63.6		6:00 PM	66.2	64.5	59.3	62.7	N/A	71.1		
	7:00 PM	63.9	67.3	56.3	62.7	61.6	61.5		7:00 PM	64.7	63.7	59	62.7	N/A	69.5		
	8:00 PM	67.3	67.9	57.6	63.7	63.1	63.5		8:00 PM	65.5	64.1	58.4	62.7	N/A	70.5		
	9:00 PM	73.9	68.5	59.1	64.6	64	64.6		9:00 PM	62.4	61.2	51.8	60	N/A	69.7		
	10:00 PM	76.7	68.8	59.8	65.1	64.3	64.7		10:00 PM	66.1	64.2	55.4	62.7	N/A	71.6		
	11:00 PM	49.5	69.1	60.4	65.5	64.9	65	Day 3	11:00 PM	61.3	59.8	50.5	58.5	N/A	61.6		
Day 3	12:00 AM	50.6	69.1	60.7	65.4	64.1	60	Day 3	12:00 AM	66	64.1	55.6	62.7	N/A	66.9		
	1:00 AM	74.3	69.8	62	66.4	64.9	60.4		1:00 AM	67.8	61.1	56.9	62.7	N/A	67.4		
	2:00 AM	71.5	69.6	61.6	66.2	64.6	59.4		2:00 AM	65.4	58.8	54.6	60.6	N/A	65.8		
	3:00 AM	74.9	69.8	62	66.4	64.9	60.4		3:00 AM	68	61.3	57.1	62.7	N/A	67.8		
	4:00 AM	56.2	69.1	60.5	65.5	64.3	62		4:00 AM	66.9	60.3	58.3	62.4	N/A	67.2		
	5:00 AM	64.9	67.9	58.5	63.9	63.6	65		5:00 AM	66.7	67.6	60.7	62.8	N/A	71.7		
	6:00 AM	64.4	64.1	49.1	57.7	55.4	55.8		6:00 AM	47.5	53.1	45.7	50.3	N/A	66.2		
	7:00 AM	56.6	66.7	55.1	61.9	61.1	61.9		7:00 AM	62.9	65.7	57.3	62.7	N/A	71.2		
	8:00 AM	63.5	67.6	57.1	63.4	63.1	64.3		8:00 AM	62.9	65.4	54.8	62.2	N/A	71.3		
	9:00 AM	73.8	68.5	59.1	64.7	64.1	64.9		9:00 AM	62.9	65	51.7	61.7	N/A	71.6		
	10:00 AM	76.5	69	60.4	65.4	64.8	65		10:00 AM	64.1	62.5	53.8	61.3	N/A	68.2		
	11:00 AM	76.5	69	60.4	65.4	64.8	65		11:00 AM	65.1	63.5	54.8	62.3	N/A	70.7		
	12:00 PM	45.5	68.5	57.6	64.4	63.9	63.1		12:00 PM	66.6	64.4	56.8	62.7	N/A	66.8		
	1:00 PM	46.6	69.1	60.7	65.5	64.5	63.3		1:00 PM	63.4	61.8	52.2	60.4	N/A	68		
	2:00 PM	47.6	69.1	60.8	65.5	64.5	63.4		2:00 PM	63.5	61.9	52.3	60.6	N/A	68.1		
	3:00 PM	48.7	68.9	60	65.2	64	61.5		3:00 PM	63.8	62.2	52.6	60.8	N/A	68.2		
	4:00 PM	50.7	69.1	60.5	65.5	64.9	65		4:00 PM	64.3	62.6	53.2	61.3	N/A	68.4		
	5:00 PM	75.7	68.7	59.6	64.9	64.4	65		5:00 PM	64	62.5	53.8	61.3	N/A	69.9		
	6:00 PM	67.5	67.9	57.6	63.7	63.2	63.6		6:00 PM	63.6	62.6	55.7	61.6	N/A	67.8		
	7:00 PM	63.6	67.3	56.3	62.7	61.6	61.4		7:00 PM	62.9	62.1	55.9	61.1	N/A	71.2		
	8:00 PM	67	67.9	57.6	63.7	63.1	63.4		8:00 PM	63.5	62.5	55.5	61.5	N/A	67.7		
	9:00 PM	73.6	68.5	59.1	64.6	64	64.6		9:00 PM	61.7	60.5	51	59.4	N/A	69.5		
	10:00 PM	76.4	68.8	59.8	65.1	64.4	64.9		10:00 PM	64.2	62.7	53.6	61.5	N/A	68.3		
	11:00 PM	49.3	69.1	60.4	65.5	64.9	65		11:00 PM	67.3	64.8	56.6	62.8	N/A	70.6		
	12:00 AM	50.3	69.1	60.5	65.5	64.9	65		12:00 AM	64.2	62.5	53	61.2	N/A	68.3		

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 6. System Pressure Results for CSA – Phase 1 and Phase 2, Max Day

CSA Pressures - Phase 1, Max Day								CSA Pressures - Phase 2, Max Day								
	North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove		
Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)		
Day 1	12:00 AM	73.2	80	75	78	N/A	61.8	78.2	Day 1	12:00 AM	61.7	60.2	41.5	53.1	49.5	46.1
	1:00 AM	63.8	82.1	77.2	80.3	N/A	69.2	79.8		1:00 AM	54.5	56.9	43.7	52.3	51.8	50.7
	2:00 AM	58.2	81.9	76.9	80	N/A	66.3	79.8		2:00 AM	77.3	56.3	43.4	51.7	51.3	50.6
	3:00 AM	63.5	82.1	77.2	80.3	N/A	69.1	79.8		3:00 AM	54.4	56.9	43.6	52.2	51.7	50.7
	4:00 AM	75.2	78.9	73.4	76.8	N/A	66.9	77.2		4:00 AM	65.2	54.8	44.1	50.6	50.6	51.9
	5:00 AM	70	80	73	77.4	N/A	70	79.7		5:00 AM	71.1	71	57.9	64.6	60.4	60
	6:00 AM	64.2	76.5	68.2	73.5	N/A	70	77.7		6:00 AM	70.3	52.2	34.9	44.1	41.9	45.7
	7:00 AM	63.6	79.3	71.2	76.5	N/A	70	79.7		7:00 AM	63.8	66.1	51.1	59.2	56.6	58.9
	8:00 AM	69.6	80	72.8	77.3	N/A	69.6	79.7		8:00 AM	60.1	69.1	53.8	62.3	59	60
	9:00 AM	63.3	80.9	74.8	78.6	N/A	70	79.8		9:00 AM	59.1	73.6	57.1	66.8	63	61.5
	10:00 AM	68.8	78.7	73.3	76.6	N/A	70	77		10:00 AM	63.1	74.1	57.4	67.2	62	58.8
	Day 2	11:00 AM	68.7	78.8	73.4	76.8	N/A	70		77.2	11:00 AM	63.4	74	57.4	67	61.9
12:00 PM		71.2	78.7	73.5	76.7	N/A	65	77.1	12:00 PM	67.4	76.9	61.5	70.5	66.1	63.4	
1:00 PM		71.4	79.2	74.1	77.2	N/A	65.5	77.5	1:00 PM	68.3	76.9	61.8	70.6	66.4	63.8	
2:00 PM		72.1	80.7	75.6	78.7	N/A	67.1	78.9	2:00 PM	68.1	77.2	61.8	70.8	66.5	63.8	
3:00 PM		72.5	81.2	76.2	79.3	N/A	67.8	79.4	3:00 PM	69.2	77.7	62.6	71.4	67.3	64.7	
4:00 PM		73.4	81.8	76.8	79.9	N/A	70.1	79.8	4:00 PM	70.2	78.6	63.7	72.5	68.5	66	
5:00 PM		65.7	77.5	72	75.4	N/A	70	75.9	5:00 PM	72.8	74.1	58.9	67.4	61.9	58.4	
6:00 PM		73.1	80.1	73.7	77.6	N/A	64.9	79.7	6:00 PM	73.6	64.6	45.3	56.4	50.9	48.6	
7:00 PM		70.3	79.5	71.8	76.6	N/A	64.2	79.7	7:00 PM	70.7	62.5	42.6	54.1	49.1	48.1	
8:00 PM		73.4	79.8	72.5	77	N/A	64.6	79.7	8:00 PM	73.3	66	47.5	58.1	53.1	51.5	
9:00 PM		63.8	80.2	72.9	77.5	N/A	66.8	79.7	9:00 PM	69.7	73	57.2	66	60.4	57.1	
10:00 PM		68.1	76.6	71.3	74.5	N/A	66.4	75.1	10:00 PM	63.9	74.3	57.9	67.4	62.3	59.2	
Day 3	11:00 PM	72.8	78.3	72.7	76.2	N/A	70	76.7	11:00 PM	70.3	78.9	64.2	72.8	68.9	66.6	
	12:00 AM	73.4	77.5	72.4	75.4	N/A	58.4	75.9	12:00 AM	61.7	58.9	39.7	51.7	47.9	44.6	
	1:00 AM	63.2	82.1	77.3	80.3	N/A	65	79.8	1:00 AM	52.1	54.7	40.9	49.8	49.2	48.1	
	2:00 AM	58.3	82.2	77.5	80.5	N/A	69.1	79.8	2:00 AM	77.4	52.9	39.2	48.1	47.4	46.6	
	3:00 AM	63.8	82.3	77.6	80.6	N/A	69.4	79.8	3:00 AM	52.1	54.7	40.9	49.8	49.2	48.1	
	4:00 AM	75.1	82	77.2	80.2	N/A	71.9	79.8	4:00 AM	65	52.9	41.8	48.5	48.5	49.9	
	5:00 AM	70.4	80	73	77.4	N/A	70	79.7	5:00 AM	71.7	69.6	55.6	63	59.3	60	
	6:00 AM	64.2	76.5	68.2	73.6	N/A	70	77.8	6:00 AM	70.9	50	31.6	41.4	38.6	42.4	
	7:00 AM	63.6	79.3	71.2	76.5	N/A	70	79.7	7:00 AM	64.4	66	51.1	59.1	56.4	58.7	
	8:00 AM	69.6	80	72.8	77.3	N/A	69.6	79.7	8:00 AM	69.4	69.9	55.7	63.2	59.4	60	
	9:00 AM	63.3	80.9	74.9	78.6	N/A	70	79.8	9:00 AM	69.5	73.5	58	66.8	61.8	59.4	
	10:00 AM	68.8	78.7	73.3	76.7	N/A	70	77.1	10:00 AM	73.5	76.8	62.2	70.4	66.6	62.6	
Day 3	11:00 AM	68.6	78.8	73.4	76.7	N/A	70	77.1	11:00 AM	63.8	74.5	58.2	67.7	62.9	60.1	
	12:00 PM	70.9	78.6	73.4	76.5	N/A	64.9	76.9	12:00 PM	67.1	76.5	60.8	70	65.4	62.6	
	1:00 PM	71.6	80.1	75.1	78.2	N/A	66.6	78.4	1:00 PM	67.9	76.4	61	70	65.6	62.8	
	2:00 PM	71.5	80.4	75.4	78.4	N/A	67	78.6	2:00 PM	68.9	78	63.3	71.9	68	65.6	
	3:00 PM	72.5	81.2	76.2	79.2	N/A	67.8	79.3	3:00 PM	70.1	78.8	64.4	72.8	69	66.7	
	4:00 PM	73.4	81.8	76.8	79.9	N/A	70.1	79.8	4:00 PM	70.8	79	64.4	72.9	69.1	66.8	
	5:00 PM	65.6	77.5	71.9	75.4	N/A	70	75.9	5:00 PM	73.2	75.8	61.4	69.4	64.5	61.4	
	6:00 PM	73	80.1	73.7	77.6	N/A	64.9	79.7	6:00 PM	74	66.4	48.1	58.6	53.8	52.5	
	7:00 PM	70.2	79.6	72.1	76.7	N/A	64.3	79.7	7:00 PM	71.1	63.8	44.9	55.8	51.5	50.8	
	8:00 PM	73.3	79.9	72.9	77.2	N/A	64.7	79.7	8:00 PM	73.6	66.2	47.8	58.4	53.5	52.2	
	9:00 PM	63.8	80.3	73.1	77.6	N/A	67.1	79.7	9:00 PM	70.4	74	58.6	67.3	62.3	59.8	
	10:00 PM	68.4	79.2	74.1	77.2	N/A	70	77.5	10:00 PM	64.2	74.3	58.3	67.6	63	60.3	
11:00 PM	72.9	80.2	74.9	78.2	N/A	70	78.4	11:00 PM	70.7	78.9	64.6	73	69.3	67.1		
12:00 AM	73.4	79	73.7	76.9	N/A	65.1	77.3	12:00 AM	61.9	62.8	45.5	56.3	52.9	49.8		
1:00 AM	63.4	82.3	77.6	80.6	N/A	70	79.8	1:00 AM	54.5	57	43.7	52.3	51.8	50.7		
2:00 AM	58.2	82.2	77.5	80.5	N/A	70	79.8	2:00 AM	50.9	54.6	41.2	49.9	49.7	49.1		
3:00 AM	63.8	82.3	77.6	80.6	N/A	70	79.8	3:00 AM	54.3	56.8	43.5	52.2	51.7	50.9		
4:00 AM	75	81.7	76.7	79.8	N/A	70	79.8	4:00 AM	65.2	54.7	44	50.5	50.5	51.8		
5:00 AM	70.4	79.9	72.5	77.2	N/A	70	79.7	5:00 AM	71.4	69.8	55.7	63.1	59.4	60		
6:00 AM	64.4	76.5	68.2	73.6	N/A	70	77.8	6:00 AM	70.7	50.3	32	41.7	38.9	42.7		
7:00 AM	63.8	79.4	71.4	76.6	N/A	70	79.7	7:00 AM	64.8	67.2	53.1	60.7	58.1	60		
8:00 AM	69.8	80	72.8	77.3	N/A	70	79.7	8:00 AM	60.2	69	53.6	62.1	58.9	60		
9:00 AM	63.5	80.7	74.1	78.2	N/A	69.7	79.8	9:00 AM	59.1	73.2	56.7	66.4	62.5	61.1		
10:00 AM	68.9	78.7	73.2	76.6	N/A	70	77	10:00 AM	63.2	74.1	57.5	67.2	62	58.8		
11:00 AM	68.8	78.7	73.3	76.7	N/A	70	77.1	11:00 AM	63.7	74.2	57.8	67.3	62.3	59.2		
12:00 PM	70.9	78.5	73.3	76.4	N/A	64.8	76.8	12:00 PM	67.4	76.8	61.3	70.3	65.9	63.1		
1:00 PM	71.4	77.5	71.7	75.3	N/A	70	75.9	1:00 PM	68.1	77	61.5	70.6	66.1	63.4		
2:00 PM	72.1	77.7	72	75.6	N/A	69.5	76.2	2:00 PM	68.8	77.5	62.2	71.1	66.8	64.1		
3:00 PM	71.9	80.3	75.1	78.3	N/A	70	78.5	3:00 PM	69.5	78.2	63.4	72	68	65.6		
4:00 PM	73.4	81.1	76	79.1	N/A	70	79.2	4:00 PM	70.3	78.7	63.8	72.5	68.5	66.1		
5:00 PM	66.4	79.2	74.1	77.2	N/A	70	77.6	5:00 PM	72.3	74.5	59.3	67.8	62.3	58.9		
6:00 PM	73.4	80.1	72.9	77.4	N/A	70	79.7	6:00 PM	74.2	66.3	47.9	58.5	53.6	52.2		
7:00 PM	70.4	80	73	77.4	N/A	70	79.7	7:00 PM	71.3	62.2	42.8	54.1	49.5	48.8		

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 7. System Pressure Results for SSA – Buildout, Max Day and Average
Day

SSA Pressures - Buildout, Max Day								SSA Pressures - Buildout, Average Day							
	Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon		Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	
	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	
Day 1	12:00 AM	73.6	58.6	57.3	59.9	65.7	71.5	Day 1	12:00 AM	73.6	58.6	57.3	65.1	65.7	71.5
	1:00 AM	79.9	66.8	65.8	68.5	74.3	79.2		1:00 AM	79.9	66.8	65.8	73.7	74.3	79.2
	2:00 AM	77.5	63.9	63	65.6	71.4	76.5		2:00 AM	77.5	63.9	63	70.8	71.4	76.5
	3:00 AM	79.5	66.4	65.5	68.2	73.9	78.8		3:00 AM	79.5	66.4	65.5	73.4	73.9	78.8
	4:00 AM	74.5	60.5	59.4	61.9	67.7	72.9		4:00 AM	74.5	60.5	59.4	67.1	67.7	72.9
	5:00 AM	72.2	61.8	57.9	59.6	65.1	69.7		5:00 AM	72.2	61.8	57.9	64.8	65.1	69.7
	6:00 AM	64.6	56	47.1	48.1	53.7	62.5		6:00 AM	64.6	56	47.1	53.3	53.7	62.5
	7:00 AM	71.1	62.9	57.1	58.5	64	68.3		7:00 AM	71.1	62.9	57.1	63.7	64	68.3
	8:00 AM	60.9	59.2	53.3	54.2	59.5	62.5		8:00 AM	60.9	59.2	53.3	59.4	59.5	62.5
	9:00 AM	61	55.1	52.6	54.2	59.7	62.8		9:00 AM	61	55.1	52.6	59.4	59.7	62.8
	10:00 AM	60.9	53.8	52	53.9	59.4	62.8		10:00 AM	60.9	53.8	52	59.1	59.4	62.8
	11:00 AM	60.7	53.7	51.9	53.8	59.3	62.7		11:00 AM	60.7	53.7	51.9	59	59.3	62.7
	12:00 PM	60.8	53.9	52.1	54	59.5	62.5		12:00 PM	60.8	53.9	52.1	59.2	59.5	62.5
	1:00 PM	61.3	54.4	52.6	54.5	60	62.9		1:00 PM	61.3	54.4	52.6	59.7	60	62.9
	2:00 PM	62.3	55.4	53.6	55.5	61	63.9		2:00 PM	62.3	55.4	53.6	60.7	61	63.9
	3:00 PM	73.8	59.2	58.1	60.6	66.3	71.8		3:00 PM	73.8	59.2	58.1	65.8	66.3	71.8
	4:00 PM	74	59.6	58.5	61	66.7	72.1		4:00 PM	74	59.6	58.5	66.2	66.7	72.1
	5:00 PM	71.3	56.2	55	57.4	63.1	68.9		5:00 PM	71.3	56.2	55	62.6	63.1	68.9
	6:00 PM	64.4	46.8	45.5	47.7	53.5	62.5		6:00 PM	64.4	46.8	45.5	52.9	53.5	62.5
	7:00 PM	62.5	43.6	42.2	44.3	50.1	61.4		7:00 PM	62.5	43.6	42.2	49.5	50.1	61.4
	8:00 PM	64.1	46.7	45.4	47.5	53.3	62.4		8:00 PM	64.1	46.7	45.4	52.7	53.3	62.4
	9:00 PM	68.5	53.3	52.1	54.4	60.1	65.9		9:00 PM	68.5	53.3	52.1	59.6	60.1	65.9
	10:00 PM	71.4	57	55.9	58.2	64	69.4		10:00 PM	71.4	57	55.9	63.4	64	69.4
	11:00 PM	57.6	48.2	47.3	49.6	55.2	61.2		11:00 PM	57.6	48.2	47.3	54.8	55.2	61.2
Day 2	12:00 AM	72.5	58.3	57.1	59.6	65.4	70.9	Day 2	12:00 AM	72.5	58.3	57.1	64.8	65.4	70.9
	1:00 AM	65	56.5	55.6	58.1	63.8	67		1:00 AM	65	56.5	55.6	63.3	63.8	67
	2:00 AM	60.9	52.3	51.5	53.9	59.6	62.8		2:00 AM	60.9	52.3	51.5	59.1	59.6	62.8
	3:00 AM	65.3	56.7	55.8	58.4	64	67.2		3:00 AM	65.3	56.7	55.8	63.6	64	67.2
	4:00 AM	59.1	49.7	48.8	51.2	56.8	62.3		4:00 AM	59.1	49.7	48.8	56.4	56.8	62.3
	5:00 AM	72	61.8	57.8	59.5	65.1	69.6		5:00 AM	72	61.8	57.8	64.7	65.1	69.6
	6:00 AM	64.3	55.4	46.8	47.8	53.3	62.4		6:00 AM	64.3	55.4	46.8	53	53.3	62.4
	7:00 AM	59.2	57.2	50.6	51.5	56.9	62		7:00 AM	59.2	57.2	50.6	56.7	56.9	62
	8:00 AM	60.7	58.7	53	53.9	59.2	62.4		8:00 AM	60.7	58.7	53	59.1	59.2	62.4
	9:00 AM	61	54.9	52.4	54.1	59.6	62.8		9:00 AM	61	54.9	52.4	59.3	59.6	62.8
	10:00 AM	72	57.4	56.2	58.6	64.4	69.9		10:00 AM	72	57.4	56.2	63.8	64.4	69.9
	11:00 AM	71.9	57.3	56.2	58.6	64.3	69.8		11:00 AM	71.9	57.3	56.2	63.8	64.3	69.8
	12:00 PM	72.4	58.1	56.9	59.3	65.1	70.6		12:00 PM	72.4	58.1	56.9	64.5	65.1	70.6
	1:00 PM	72.5	58.3	57.1	59.6	65.3	70.7		1:00 PM	72.5	58.3	57.1	64.8	65.3	70.7
	2:00 PM	72.6	58.5	57.3	59.8	65.5	70.9		2:00 PM	72.6	58.5	57.3	65	65.5	70.9
	3:00 PM	72.7	58.7	57.5	60	65.7	71		3:00 PM	72.7	58.7	57.5	65.2	65.7	71
	4:00 PM	57.9	48.6	47.7	50	55.7	61.5		4:00 PM	57.9	48.6	47.7	55.2	55.7	61.5
	5:00 PM	70.2	55.6	54.4	56.8	62.5	68.1		5:00 PM	70.2	55.6	54.4	62	62.5	68.1
	6:00 PM	64	46.7	45.4	47.6	53.3	62.7		6:00 PM	64	46.7	45.4	52.8	53.3	62.7
	7:00 PM	61	42.4	41	43.1	48.9	60.2		7:00 PM	61	42.4	41	48.3	48.9	60.2
	8:00 PM	63.3	46.2	44.9	47.1	52.8	62.1		8:00 PM	63.3	46.2	44.9	52.3	52.8	62.1
	9:00 PM	66.7	51.8	50.7	52.9	58.6	64.3		9:00 PM	66.7	51.8	50.7	58.1	58.6	64.3
	10:00 PM	59.8	48.8	47.8	50.1	55.8	61.7		10:00 PM	59.8	48.8	47.8	55.3	55.8	61.7
	11:00 PM	57.3	47.9	47.1	49.3	55	61		11:00 PM	57.3	47.9	47.1	54.5	55	61
Day 3	12:00 AM	71.9	58	56.8	59.3	65	70.4	Day 3	12:00 AM	71.9	58	56.8	64.5	65	70.4
	1:00 AM	64.5	56	55.1	57.7	63.3	66.5		1:00 AM	64.5	56	55.1	62.9	63.3	66.5
	2:00 AM	60.9	52.3	51.4	53.9	59.6	62.8		2:00 AM	60.9	52.3	51.4	59.1	59.6	62.8
	3:00 AM	64.8	56.3	55.4	57.9	63.6	66.7		3:00 AM	64.8	56.3	55.4	63.1	63.6	66.7
	4:00 AM	58.9	49.6	48.7	51.1	56.7	62.2		4:00 AM	58.9	49.6	48.7	56.3	56.7	62.2
	5:00 AM	71.8	61.7	57.7	59.4	64.9	69.4		5:00 AM	71.8	61.7	57.7	64.6	64.9	69.4
	6:00 AM	64.1	55.6	46.8	47.8	53.3	62.2		6:00 AM	64.1	55.6	46.8	53	53.3	62.2
	7:00 AM	58.5	56.9	50.2	51	56.4	61.1		7:00 AM	58.5	56.9	50.2	56.2	56.4	61.1
	8:00 AM	61	59	53.3	54.2	59.5	62.7		8:00 AM	61	59	53.3	59.4	59.5	62.7
	9:00 AM	61	55	52.5	54.2	59.6	62.8		9:00 AM	61	55	52.5	59.4	59.6	62.8
	10:00 AM	71.7	57.2	56.1	58.5	64.2	69.7		10:00 AM	71.7	57.2	56.1	63.7	64.2	69.7
	11:00 AM	71.6	57.2	56	58.4	64.1	69.6		11:00 AM	71.6	57.2	56	63.6	64.1	69.6
	12:00 PM	72.1	57.9	56.7	59.2	64.9	70.4		12:00 PM	72.1	57.9	56.7	64.4	64.9	70.4
	1:00 PM	72.2	58.1	56.9	59.4	65.1	70.5		1:00 PM	72.2	58.1	56.9	64.6	65.1	70.5
	2:00 PM	72.3	58.3	57.1	59.6	65.3	70.7		2:00 PM	72.3	58.3	57.1	64.8	65.3	70.7
	3:00 PM	56	46.4	45.6	47.9	53.5	60		3:00 PM	56	46.4	45.6	53.1	53.5	60
	4:00 PM	57.8	48.4	47.6	49.9	55.5	61.3		4:00 PM	57.8	48.4	47.6	55.1	55.5	61.3
	5:00 PM	70.2	55.6	54.4	56.7	62.4	68		5:00 PM	70.2	55.6	54.4	61.9	62.4	68
	6:00 PM	63.9	46.7	45.4	47.6	53.3	62.7		6:00 PM	63.9	46.7	45.4	52.8	53.3	62.7
	7:00 PM	60.9	42.3	41	43.1	48.9	60.1		7:00 PM	60.9	42.3	41	48.3	48.9	60.1
	8:00 PM	63.2	46.1	44.8	47	52.8	62.1		8:00 PM	63.2	46.1	44.8	52.2	52.8	62.1

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 8. System Pressure Results for SSA – Pre-Phase 1 and Phase 1, Max Day

SSA Pressures - Pre-Phase 1, Max Day									SSA Pressures - Phase 1, Max Day								
	Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon		Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon		
Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Time	
Day 1	12:00 AM	76.4	66.4	N/A	72.5	74.5	72.8	N/A	Day 1	12:00 AM	76.5	66.6	N/A	73.7	74	72.9	N/A
	1:00 AM	77.1	69.2	N/A	76	77	76.6	N/A		1:00 AM	77.2	69.6	N/A	76.8	77.5	76.7	N/A
	2:00 AM	76.6	69.5	N/A	75.8	76.7	76	N/A		2:00 AM	74.6	67.1	N/A	74.3	75.1	73.9	N/A
	3:00 AM	77.2	69.3	N/A	76.1	77.1	76.6	N/A		3:00 AM	77	69.4	N/A	76.6	77.3	76.5	N/A
	4:00 AM	73.9	64.9	N/A	71.8	75	71.6	N/A		4:00 AM	71.7	65.4	N/A	72.1	73.7	70.3	N/A
	5:00 AM	69.4	59.7	N/A	66	71.1	62.8	N/A		5:00 AM	68.9	60.2	N/A	65.3	68.9	62.1	N/A
	6:00 AM	62.5	55	N/A	67.1	66.4	57.7	N/A		6:00 AM	63.1	55.8	N/A	69.9	67.4	58.1	N/A
	7:00 AM	67.9	60.3	N/A	68.9	69	60.3	N/A		7:00 AM	66.4	55.3	N/A	71.5	67.8	60.7	N/A
	8:00 AM	67.9	56.9	N/A	68.9	68.6	61.3	N/A		8:00 AM	68.5	57.8	N/A	71.5	69.6	62	N/A
	9:00 AM	71.9	60.8	N/A	68.9	71.4	67.3	N/A		9:00 AM	72.8	62.2	N/A	73.1	71.9	68.3	N/A
	10:00 AM	64.8	59.5	N/A	68.9	67.5	63.4	N/A		10:00 AM	71.6	62.9	N/A	73.9	72.7	68.8	N/A
	11:00 AM	64.9	59.6	N/A	68.9	67.6	63.5	N/A		11:00 AM	71.7	63	N/A	74	72.8	68.9	N/A
	12:00 PM	65.9	60.3	N/A	68.9	68.3	64.7	N/A		12:00 PM	72.5	63.9	N/A	74.7	73.7	70	N/A
	1:00 PM	66.1	60.4	N/A	68.9	68.5	65	N/A		1:00 PM	72.8	64.2	N/A	75	74	70.3	N/A
	2:00 PM	65.8	59.9	N/A	67.9	68	64.7	N/A		2:00 PM	73.7	66.5	N/A	74.7	73.9	71.3	N/A
	3:00 PM	67.4	61.6	N/A	68.9	72.1	66.4	N/A		3:00 PM	74.1	66.8	N/A	74.2	75.2	71.8	N/A
	4:00 PM	67.6	61.7	N/A	68.9	72.2	66.7	N/A		4:00 PM	74.6	67.2	N/A	74.7	75.6	72.3	N/A
	5:00 PM	62.2	56.7	N/A	64	67.8	61.1	N/A		5:00 PM	71.2	63.7	N/A	71.1	72.1	68.1	N/A
	6:00 PM	68.1	56.4	N/A	65.2	67.9	61.9	N/A		6:00 PM	70.2	62	N/A	68.3	69.3	64.5	N/A
	7:00 PM	68.2	57.1	N/A	68.9	68.8	61.6	N/A		7:00 PM	61.3	57.8	N/A	71.5	71	60.9	N/A
	8:00 PM	69.5	58.4	N/A	68.5	69.6	63.6	N/A		8:00 PM	60.8	55.3	N/A	70.2	68.1	60.9	N/A
	9:00 PM	72	60.8	N/A	68.9	71.5	67.4	N/A		9:00 PM	64.8	59.9	N/A	73.5	71.8	63.1	N/A
	10:00 PM	72.7	61.5	N/A	68.9	72	68.6	N/A		10:00 PM	65.5	59.8	N/A	71.6	70.1	64.2	N/A
Day 2	11:00 PM	67.6	63.7	N/A	68.9	69.5	66.6	N/A	Day 2	11:00 PM	67.9	62	N/A	73.4	72.2	66.9	N/A
	12:00 AM	67.7	63.6	N/A	68.9	69.6	66.7	N/A		12:00 AM	67.5	61.4	N/A	72.8	71.6	66.6	N/A
	1:00 AM	72.7	66.7	N/A	73	74	72.7	N/A		1:00 AM	72.1	65.2	N/A	73.6	73.8	72.1	N/A
	2:00 AM	69.1	61.7	N/A	68.9	70.2	68.9	N/A		2:00 AM	78.9	69.9	N/A	77.1	77.8	77.5	N/A
	3:00 AM	71.2	63.9	N/A	71.2	73.5	71.2	N/A		3:00 AM	77.3	69.7	N/A	76.9	77.6	76.8	N/A
	4:00 AM	67.8	61	N/A	68.9	72.3	67	N/A		4:00 AM	75.2	68	N/A	73.8	74.5	73	N/A
	5:00 AM	71	62.7	N/A	68.9	72.9	64.6	N/A		5:00 AM	68.9	60.2	N/A	65.3	68.8	62.1	N/A
	6:00 AM	62.5	55.2	N/A	68.9	66.8	57.6	N/A		6:00 AM	63.1	55.8	N/A	69.9	67.4	58.1	N/A
	7:00 AM	65.9	54.5	N/A	68.9	66.8	60.9	N/A		7:00 AM	66.3	55.2	N/A	71.4	67.8	60.4	N/A
	8:00 AM	67.8	56.9	N/A	68.9	68.5	61.3	N/A		8:00 AM	68.5	57.8	N/A	71.5	69.7	62	N/A
	9:00 AM	70.9	59.8	N/A	68.9	68.2	66.3	N/A		9:00 AM	72.8	62.2	N/A	73.2	71.9	68.4	N/A
	10:00 AM	63.1	57.2	N/A	68.9	66.2	61.7	N/A		10:00 AM	71.7	62.9	N/A	73.9	72.8	68.8	N/A
	11:00 AM	63.2	57.3	N/A	68.9	66.3	61.8	N/A		11:00 AM	71.7	63	N/A	74	72.9	68.9	N/A
	12:00 PM	64.7	58.5	N/A	68.9	67.3	63.5	N/A		12:00 PM	72.5	63.8	N/A	74.7	73.7	69.9	N/A
	1:00 PM	64.4	58.1	N/A	68.1	67	63.3	N/A		1:00 PM	73.5	66.2	N/A	74.4	73.5	71	N/A
	2:00 PM	64.6	58	N/A	65.9	69.7	63.6	N/A		2:00 PM	73.7	66.4	N/A	74.6	73.8	71.3	N/A
	3:00 PM	65.4	58.7	N/A	66.6	70.2	64.3	N/A		3:00 PM	74.1	66.8	N/A	74.2	75.2	71.8	N/A
	4:00 PM	69	65	N/A	70.4	73.4	68.1	N/A		4:00 PM	74.5	67.2	N/A	74.7	75.6	72.3	N/A
	5:00 PM	66.6	63.3	N/A	68.9	71.8	65.1	N/A		5:00 PM	71.2	63.7	N/A	71.1	72	68.1	N/A
	6:00 PM	71.3	62.5	N/A	67.9	70.9	65.4	N/A		6:00 PM	70.2	62	N/A	68.3	69.2	64.5	N/A
	7:00 PM	68.3	57.1	N/A	68.9	68.8	61.6	N/A		7:00 PM	63.9	58.8	N/A	72.2	71.7	61.1	N/A
	8:00 PM	70.5	60.1	N/A	68.9	70.4	64.6	N/A		8:00 PM	64.7	59.5	N/A	72.4	70.6	61.2	N/A
	9:00 PM	72.4	61.8	N/A	68.9	71.8	67.8	N/A		9:00 PM	66.5	59.2	N/A	71	69.5	64	N/A
	10:00 PM	73	62.2	N/A	68.9	72.1	68.9	N/A		10:00 PM	68.8	61.6	N/A	72.9	71.7	66.9	N/A
	11:00 PM	72.7	61.2	N/A	68.6	69.5	68.8	N/A		11:00 PM	70.6	63.4	N/A	74.5	73.4	69	N/A
Day 3	12:00 AM	67.7	54.9	N/A	62.6	65	61.1	N/A	Day 3	12:00 AM	70.8	63.6	N/A	74.7	73.7	69.2	N/A
	1:00 AM	71	63.6	N/A	70.9	73	71	N/A		1:00 AM	76.1	68.2	N/A	76.4	76.7	75.6	N/A
	2:00 AM	69.6	62.2	N/A	69.5	71.8	69.5	N/A		2:00 AM	74.3	66.3	N/A	74.1	75.7	73.6	N/A
	3:00 AM	71.1	63.7	N/A	71	73.2	71.1	N/A		3:00 AM	77	69.5	N/A	76.8	77.5	76.6	N/A
	4:00 AM	66.1	59.2	N/A	66.8	69	65.3	N/A		4:00 AM	71.5	66.1	N/A	71.7	72.4	70.1	N/A
	5:00 AM	70.5	62.4	N/A	68.7	70.9	64.1	N/A		5:00 AM	67.4	58.6	N/A	63.4	65.6	61.1	N/A
	6:00 AM	62.3	55.2	N/A	68.9	66.7	57.6	N/A		6:00 AM	62.8	55.7	N/A	69.8	67.3	57.9	N/A
	7:00 AM	67.1	57.2	N/A	68.8	69.8	60.6	N/A		7:00 AM	66.9	56.3	N/A	72.5	70.5	61.1	N/A
	8:00 AM	67.7	56.8	N/A	68.9	68.5	61.2	N/A		8:00 AM	68.2	57.7	N/A	71.4	69.5	61.8	N/A
	9:00 AM	61.5	55.6	N/A	68.9	64.8	61	N/A		9:00 AM	69.7	60.8	N/A	72.1	70.7	66.3	N/A
	10:00 AM	63.1	57.2	N/A	68.9	66.2	61.7	N/A		10:00 AM	71.5	62.8	N/A	73.9	72.7	68.7	N/A
	11:00 AM	63.2	57.2	N/A	68.9	66.3	61.8	N/A		11:00 AM	71.6	62.9	N/A	74	72.8	68.8	N/A
	12:00 PM	65.7	59.5	N/A	68.9	69.5	64.6	N/A		12:00 PM	72.4	63.7	N/A	74.6	73.6	69.8	N/A
	1:00 PM	65.9	59.6	N/A	68.9	69.6	64.8	N/A		1:00 PM	67.2	61.5	N/A	73	71.7	66.1	N/A
	2:00 PM	65.4	58.9	N/A	67.7	68.9	64.3	N/A		2:00 PM	67.5	61.8	N/A	73.2	72	66.5	N/A
	3:00 PM	65.9	59.5	N/A	68.2	69.4	64.9	N/A		3:00 PM	70	67.1	N/A	74.9	74.8	69	N/A
	4:00 PM	66.7	60.2	N/A	68.9	70.1	65.7	N/A		4:00 PM	70.4	67.4	N/A	75.3	75.3	69.5	N/A
	5:00 PM	65.7	62.4	N/A	67.7	69.6	64.1	N/A		5:00 PM	68.2	65.8	N/A	74	74.9	66.8	N/A
	6:00 PM	71.5	62.7	N/A	68.1	71.2	65.6	N/A		6:00 PM	61	55.6	N/A	70.5	68.6	61	N/A
	7:00 PM	68.6	57.4	N/A	67.9	70.8	61.9	N/A		7:00 PM	69.2	58.3	N/A	72	70.3	62.6	N/A
	8:00 PM	71.5	62.9	N/A	68.9	71.4	65.8	N/A		8:00 PM	71	60.4	N/A	73.5	72.1	65.2	N/A
	9:00 PM	72.1	60.9	N/A	68.9	71.6	67.4	N/A		9:00 PM	73.3	62.5	N/A	73.5	72.4	68.7	N/A
	10:00 PM	73	62.2	N/A	69	72.3	68.9	N/A		10:00 PM	75.2	64.7	N/A	75.3	74.4	71.3	N/A
	11:00 PM	73.5	62.7	N/A	69.4	71.5	69.8	N/A		11:00 PM	76.2	65.7	N/A	75	75.2	72.8	N/A
	12:00 AM	66.3	60.3	N/A	67.4	69.3	65.3	N/A		12:00 AM	76.7	66.8	N/A	74.7	75.7	73.4	N/A

Table F- 9. System Pressure Results for SSA –Phase 2, Max Day

SSA Pressures - Phase 2, Max Day								
	Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon	
Time	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	
Day 1	12:00 AM	67	53	51.9	67.4	60.9	61.8	59
	1:00 AM	71.4	57.6	56.5	66.2	65.4	67.7	63.2
	2:00 AM	71.1	57.8	56.7	67.8	65.7	67.4	63.1
	3:00 AM	71.2	57.6	56.5	66.1	65.3	67.6	63.2
	4:00 AM	69.3	56.5	55.6	70	64.2	64.9	61.6
	5:00 AM	67.2	63.6	63.7	72.1	71.8	62.3	61.9
	6:00 AM	58.5	52.8	53	66.9	64.1	54.1	49.6
	7:00 AM	59.5	60.1	60.4	70.5	68.1	59.3	57.9
	8:00 AM	62.2	62.4	62.6	70.9	70.1	61.1	60.6
	9:00 AM	65.3	64.9	65.1	71.9	71.3	63.7	62.7
	10:00 AM	66.5	53.3	52.5	67.5	60.8	61.2	59.4
	11:00 AM	66.1	53	52.2	67.3	60.6	60.9	59.1
	12:00 PM	68.6	56	55.2	69.4	63.5	63.9	61.7
	1:00 PM	68.7	56.2	55.4	69.6	63.7	64.1	61.8
	2:00 PM	66.2	55.8	55.2	71.1	63.4	63.1	61.2
	3:00 PM	66.5	56.2	55.6	71.3	63.7	63.5	61.5
	4:00 PM	65	54.4	53.7	68.3	61.9	61.9	60
	5:00 PM	65.5	52.8	52.1	68.9	60.4	61.1	58.7
	6:00 PM	54.7	48.2	53.1	66.8	57.2	56.1	52
	7:00 PM	57.9	55.5	56.4	65.1	61.3	58.6	55.8
	8:00 PM	60.1	56	57.8	66.7	63.3	60.5	57.9
	9:00 PM	61.2	53.8	57.9	68.2	60.5	58.5	57.9
	10:00 PM	67.8	55.3	54.6	70.4	62.9	63	61.1
Day 2	11:00 PM	69	56.7	56	69.7	64.3	64.7	62.2
	12:00 AM	58.9	51.9	50.8	66.7	62	57.9	56.4
	1:00 AM	64.4	54.9	53.9	65.1	62.7	63.5	60.3
	2:00 AM	63.2	53.8	52.8	66	61.7	62.1	58.9
	3:00 AM	64.5	54.9	54	65.2	62.7	63.5	60.3
	4:00 AM	65.5	54.8	54	70.2	62.6	62.7	59.9
	5:00 AM	59.6	61.4	61.7	71.1	67.7	56.5	59
	6:00 AM	52.4	49.3	49.7	64.1	61.2	40.3	44.5
	7:00 AM	59.4	59.5	59.7	69.6	67.4	54.4	57.2
	8:00 AM	59.5	61.1	61.4	69.5	68.8	56.3	58.8
	9:00 AM	62.3	61.7	61.8	67.4	63.1	60.4	60.9
	10:00 AM	64.8	57.1	60.6	68.9	63.9	62.6	61.3
	11:00 AM	64.6	56.9	60.4	68.7	63.7	62.4	61.2
	12:00 PM	61.3	55.3	59.4	67.7	62.1	60.1	59.3
	1:00 PM	62.3	56.2	60.1	68.4	63	61.1	60.2
	2:00 PM	66.4	58.8	62.3	70.4	65.8	64.6	62.5
	3:00 PM	69.9	58	59.4	66.3	64.9	65.5	62.7
	4:00 PM	67.1	57.1	58.6	65.5	63.9	64.1	61.9
	5:00 PM	69.2	57.9	60.9	67.8	64.6	64.4	62.2
	6:00 PM	61.6	59.7	59.7	69.2	61	57.9	59.1
	7:00 PM	66.1	59.3	59.3	68.9	61.2	59.2	59.6
	8:00 PM	61.3	59.3	59.4	68.9	60.7	57.5	58.8
	9:00 PM	62.4	61.8	62	67.7	63.3	60.6	61
	10:00 PM	63.2	60.3	60.1	67.6	63.7	61.8	61.4
Day 3	11:00 PM	65.2	62.3	62.2	69.6	66	64.2	62.7
	12:00 AM	69.4	57.8	55.8	68.3	64.3	64.9	61.9
	1:00 AM	71	57.6	56.5	66.1	65.3	67.5	63.2
	2:00 AM	69.9	56.5	55.5	66.6	64.4	66.2	61.7
	3:00 AM	68.9	57.9	56.9	67.9	65.7	66.8	63
	4:00 AM	69	56.3	55.4	69.8	64.1	64.8	61.5
	5:00 AM	60	61.2	60.5	71.8	69.9	56.9	59.3
	6:00 AM	52.8	49.5	50	64.7	61.4	40.7	44.8
	7:00 AM	67.7	62.1	62.2	72.1	70	60.5	61.1
	8:00 AM	59.7	61.2	61.5	69.9	69	56.5	59
	9:00 AM	65.1	64.6	64.8	71.7	71	63.5	62.6
	10:00 AM	65.7	52.7	51.9	67	60.2	60.5	58.7
	11:00 AM	67.9	55.5	54.8	70.8	63	63.1	61.1
	12:00 PM	68.1	55.7	54.9	69.1	63.2	63.6	61.5
	1:00 PM	65	54.7	54	70.2	62.2	61.9	60.1
	2:00 PM	65.6	55.3	54.7	70.6	62.8	62.6	60.7
	3:00 PM	68.6	56.4	55.7	69.6	64	64.4	62
	4:00 PM	64.4	53.9	53.1	67.7	61.4	61.4	59.4
	5:00 PM	56.9	51.1	50.6	68.2	61.4	55.4	54.8
	6:00 PM	60.9	59.3	59.4	68.6	60.5	57.3	58.6
	7:00 PM	59.3	57.8	57.8	66	62.2	55.2	56.7
	8:00 PM	60.9	59.2	59.2	68.6	60.4	57.2	58.5
	9:00 PM	62.3	61.9	62	67.6	63.2	60.5	61
	10:00 PM	64.3	62.7	61.9	68.9	65.1	62.9	62.2
	11:00 PM	64.5	61.2	61.1	67	64.7	63.4	62.3
	12:00 AM	64.7	61.4	61.3	67.2	64.9	63.7	62.4

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F-10 Tank Curves for NSA – Buildout, Max Day and Average Day

NSA Tank Curves - Buildout, Max Day							NSA Storage Tank Curves - Buildout, Average Day						
	Anatolia	Douglas Rd	North Douglas	Sunrise Douglas II	White Rock Rd	Suncreek		Anatolia	Douglas Rd	North Douglas	Sunrise Douglas II	White Rock Rd	Suncreek
Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)
Day 1	12:00 AM	97	100	100	97	90.9	Day 1	12:00 AM	97	100	100	97	97
	1:00 AM	100	98.6	99.1	94.7	98.4		1:00 AM	100	96.2	99.5	100	100
	2:00 AM	100	100	99.9	94.2	100		2:00 AM	100	100	99.9	100	100
	3:00 AM	100	100	100	94.1	100		3:00 AM	100	93.7	96.4	100	100
	4:00 AM	100	99.4	99.5	93.9	100		4:00 AM	100	97	99.1	100	100
	5:00 AM	98.5	97.4	99.4	91.3	100		5:00 AM	100	98.5	99.5	99.8	99.8
	6:00 AM	90.9	99.2	91	84.8	96.5		6:00 AM	99.8	98.1	95	99.9	99.9
	7:00 AM	83.1	99.8	79.9	75.2	92.8		7:00 AM	99.4	97.9	89.7	99.8	99.8
	8:00 AM	75.7	99.5	73.9	72.2	89.4		8:00 AM	99.9	98.4	86.8	99.6	99.6
	9:00 AM	68.9	99.9	71.3	73.5	86.2		9:00 AM	100	100	85.7	100	100
	10:00 AM	62.2	99.5	71.7	77.9	83.1		10:00 AM	99.9	99.8	85.9	100	100
	11:00 AM	55.6	99.5	72.8	82.3	83.1		11:00 AM	99.7	96.5	86.5	99.9	99.9
	12:00 PM	49.2	99.8	74.2	86.7	83.1		12:00 PM	99.6	98.9	87.3	99.8	99.8
	1:00 PM	43	99.9	76.1	91.3	83.1		1:00 PM	99.9	99.9	88.3	100	100
	2:00 PM	37	99.8	78.1	95.9	83.1		2:00 PM	99.7	99.8	89.5	100	100
	3:00 PM	40.2	99.9	80.3	96.6	83.1		3:00 PM	99.8	100	90.6	99.9	99.9
	4:00 PM	44.5	98.5	82.6	97	83.1		4:00 PM	100	100	91.9	100	100
	5:00 PM	48.8	97.8	84.3	97.2	83.1		5:00 PM	100	100	92.7	100	100
	6:00 PM	52.8	99	83.4	95	83.1		6:00 PM	99.7	99.3	92.1	99.9	99.9
	7:00 PM	56.6	97.7	79.7	90.2	83.1		7:00 PM	100	99.4	90.3	100	100
	8:00 PM	53.6	100	75.7	86.8	83.1		8:00 PM	99.9	99.9	88.4	99.9	99.9
	9:00 PM	50.4	99.5	73.7	86	83.1		9:00 PM	99.9	98.5	87.5	100	100
	10:00 PM	47.5	99.6	74.1	89.2	83.1		10:00 PM	99.6	99.9	87.7	100	100
	11:00 PM	44.5	99.4	75.8	93.3	83.1		11:00 PM	100	100	88.7	100	100
Day 2	12:00 AM	41.8	99.9	78.2	97.1	83.1	Day 2	12:00 AM	100	96.9	89.9	100	100
	1:00 AM	57.5	95.8	82.3	95.4	90.6		1:00 AM	100	95.4	92.1	99.8	99.8
	2:00 AM	73.3	94.5	88.9	94.4	98.1		2:00 AM	100	95.5	95.4	99.6	99.6
	3:00 AM	89.1	95.7	95.3	94	100		3:00 AM	100	99.7	98.6	100	100
	4:00 AM	100	98.1	98.4	93.3	100		4:00 AM	100	97.8	98.8	99.6	99.6
	5:00 AM	100	95.1	98.7	89.8	100		5:00 AM	100	97.7	99.7	99.5	99.5
	6:00 AM	92	96.9	90.5	82.4	96.4		6:00 AM	99.7	97.4	95.3	99.6	99.6
	7:00 AM	84.2	97.6	79.4	72.8	92.7		7:00 AM	100	97	90	100	100
	8:00 AM	76.8	99.3	73.5	69.1	89.3		8:00 AM	100	97.8	87	100	100
	9:00 AM	69.8	99.1	70.7	69.6	86		9:00 AM	99.9	99.3	85.8	100	100
	10:00 AM	62.7	97.7	71	73.3	86		10:00 AM	100	99.9	86.1	100	100
	11:00 AM	56.1	99.7	72.2	77.7	86		11:00 AM	99.9	100	86.7	100	100
	12:00 PM	49.6	99.9	73.6	82.3	86		12:00 PM	99.8	99.7	87.5	99.9	99.9
	1:00 PM	43.4	97.8	75.5	87	86		1:00 PM	99.9	99.8	88.5	99.9	99.9
	2:00 PM	37.4	99.8	77.5	91.6	86		2:00 PM	99.9	99.8	89.6	100	100
	3:00 PM	39.9	99.9	79.6	92.7	86		3:00 PM	100	100	90.8	100	100
	4:00 PM	44.3	99.2	82	93.1	86		4:00 PM	100	100	92	100	100
	5:00 PM	48.5	99	83.6	93.4	86		5:00 PM	99.7	99.1	92.8	100	100
	6:00 PM	52.6	98.9	82.6	91.7	86		6:00 PM	100	100	92.3	100	100
	7:00 PM	56.6	98.5	78.8	87.7	86		7:00 PM	100	100	90.4	100	100
	8:00 PM	54.1	99.6	74.9	84.5	86		8:00 PM	99.6	100	88.5	99.9	99.9
	9:00 PM	50.8	99.7	72.8	83.1	86		9:00 PM	100	99.9	87.6	100	100
	10:00 PM	47.8	99.6	73.1	84.5	86		10:00 PM	99.5	99.8	87.9	100	100
	11:00 PM	44.9	99.9	74.8	88.7	86		11:00 PM	99.5	98.8	88.8	99.8	99.8
Day 3	12:00 AM	42.3	98.9	77.3	93.3	86	Day 3	12:00 AM	99.7	97.9	90	99.9	99.9
	1:00 AM	58	94.9	81.1	91.5	93.5		1:00 AM	100	96.8	91.5	99.4	99.4
	2:00 AM	73.8	94.2	87.8	90.7	100		2:00 AM	100	97.8	94.8	100	100
	3:00 AM	89.6	96.2	94	90.7	100		3:00 AM	100	99.3	98	100	100
	4:00 AM	100	97.7	99.4	89.9	100		4:00 AM	100	100	100	100	100
	5:00 AM	100	97.3	96.2	87.8	96.4		5:00 AM	100	99	98	100	100
	6:00 AM	92.1	97	88	82.6	92.9		6:00 AM	99.7	98.6	93.7	99.8	99.8
	7:00 AM	84.1	97.9	76.9	72.8	89.2		7:00 AM	99.4	98.5	88.3	99.7	99.7
	8:00 AM	76.8	98.7	70.9	69.3	85.8		8:00 AM	100	98.8	85.4	100	100
	9:00 AM	69.8	97.2	68.1	68.7	82.6		9:00 AM	100	100	84.3	100	100
	10:00 AM	62.7	99.3	68.4	72.3	82.6		10:00 AM	99.9	100	84.5	99.9	99.9
	11:00 AM	56.1	99.8	69.5	76.8	82.6		11:00 AM	99.6	99.9	85.1	99.9	99.9
	12:00 PM	49.6	98.6	70.9	81.3	82.6		12:00 PM	100	99.5	85.9	100	100
	1:00 PM	43.4	99.2	72.8	86	82.6		1:00 PM	100	99.8	86.9	100	100
	2:00 PM	37.4	98.9	74.8	90.7	82.6		2:00 PM	100	100	88	100	100
	3:00 PM	39.9	99.5	76.9	91.8	82.6		3:00 PM	100	100	89.2	100	100
	4:00 PM	44.3	96.3	79.3	92.2	82.6		4:00 PM	100	100	90.4	100	100
	5:00 PM	48.5	98.7	81.1	92.5	82.6		5:00 PM	100	98.9	91.2	100	100
	6:00 PM	52.6	98.7	80	90.8	82.6		6:00 PM	100	99.7	90.6	100	100
	7:00 PM	56.6	98.3	76.2	86.8	82.6		7:00 PM	100	98.8	88.8	100	100
	8:00 PM	54.7	99.8	72.3	83.3	82.6		8:00 PM	96.4	98	86.8	100	100
	9:00 PM	51.3	99.8	70.2	81.7	82.6		9:00 PM	93	99.2	86	100	100
	10:00 PM	48.3	95.7	70.3	82.6	82.6		10:00 PM	89.9	97.3	86.2	100	100
	11:00 PM	45.4	99.7	72	86.3	82.6		11:00 PM	86.4	99.6	87.1	100	100
	12:00 AM	42.8	99.9	74.4	91	82.6		12:00 AM	83	97.9	88.3	100	100

APPENDIX F
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Table F- 10. Tank Curves for NSA – Pre-Phase 1 and Phase 1, Max Day

NSA Storage Tank Curves - Pre-Phase 1, Max Day								NSA Storage Tank Curves - Phase 1, Max Day														
	Anatolia	Douglas Rd	North Douglas	Sunrise Douglas II	White Rock Rd	Suncreek		Anatolia	Douglas Rd	North Douglas	Sunrise Douglas II	White Rock Rd	Suncreek		Anatolia	Douglas Rd	North Douglas	Sunrise Douglas II	White Rock Rd	Suncreek		
Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)		
Day 1	12:00 AM	97	51.5	97	N/A	90.9	100	Day 1	12:00 AM	97	51.5	100	N/A	90.9	100	12:00 AM	97	51.5	100	N/A	90.9	100
	1:00 AM	99.6	51.5	97.7	N/A	90.9	100		1:00 AM	100	49.8	99.2	N/A	90.9	100	1:00 AM	100	49.8	99.2	N/A	90.9	100
	2:00 AM	96.7	51.5	99.5	N/A	90.9	100		2:00 AM	100	49.7	99.5	N/A	90.9	100	2:00 AM	100	49.7	99.5	N/A	90.9	100
	3:00 AM	98.9	51.5	99.7	N/A	90.9	100		3:00 AM	100	49.4	99.6	N/A	90.9	100	3:00 AM	100	49.4	99.6	N/A	90.9	100
	4:00 AM	99.5	51.5	99.8	N/A	90.9	100		4:00 AM	100	48.7	99.5	N/A	90.9	100	4:00 AM	100	48.7	99.5	N/A	90.9	100
	5:00 AM	98.2	51.5	98.5	N/A	90.9	100		5:00 AM	100	44.9	97.6	N/A	90.9	100	5:00 AM	100	44.9	97.6	N/A	90.9	100
	6:00 AM	96	51.5	94	N/A	90.9	96.6		6:00 AM	99.8	41.8	92.7	N/A	90.9	98.8	6:00 AM	99.8	41.8	92.7	N/A	90.9	98.8
	7:00 AM	94	51.5	88.1	N/A	90.9	87.9		7:00 AM	98.5	42.1	86.8	N/A	90.9	98.9	7:00 AM	98.5	42.1	86.8	N/A	90.9	98.9
	8:00 AM	93.4	51.5	84	N/A	90.9	86.5		8:00 AM	97.8	44.6	82.6	N/A	90.9	99.9	8:00 AM	97.8	44.6	82.6	N/A	90.9	99.9
	9:00 AM	92.6	51.5	81.9	N/A	90.9	86		9:00 AM	97.3	47.3	80.7	N/A	90.9	100	9:00 AM	97.3	47.3	80.7	N/A	90.9	100
	10:00 AM	92.4	51.5	80.8	N/A	90.9	91.5		10:00 AM	97	50.3	79.4	N/A	90.9	100	10:00 AM	97	50.3	79.4	N/A	90.9	100
	11:00 AM	92.7	51.5	80.2	N/A	90.9	97.8		11:00 AM	97.1	53.6	78.6	N/A	90.9	100	11:00 AM	97.1	53.6	78.6	N/A	90.9	100
	12:00 PM	92.8	51.5	79.5	N/A	90.9	99		12:00 PM	97.2	56.7	77.6	N/A	90.9	100	12:00 PM	97.2	56.7	77.6	N/A	90.9	100
	1:00 PM	92	51.5	78.1	N/A	90.9	98.3		1:00 PM	96.7	59.3	76.2	N/A	90.9	100	1:00 PM	96.7	59.3	76.2	N/A	90.9	100
	2:00 PM	91.3	51.5	76.7	N/A	90.9	98.1		2:00 PM	96.2	61.8	74.9	N/A	90.9	100	2:00 PM	96.2	61.8	74.9	N/A	90.9	100
	3:00 PM	90.6	51.5	75.4	N/A	90.9	99		3:00 PM	95.8	64.5	73.6	N/A	90.9	100	3:00 PM	95.8	64.5	73.6	N/A	90.9	100
	4:00 PM	90.1	51.5	74.2	N/A	90.9	98.2		4:00 PM	95.7	67.2	72.6	N/A	90.9	100	4:00 PM	95.7	67.2	72.6	N/A	90.9	100
	5:00 PM	89.6	51.5	72.9	N/A	90.9	98		5:00 PM	95.5	70	71.5	N/A	90.9	100	5:00 PM	95.5	70	71.5	N/A	90.9	100
	6:00 PM	88.4	51.5	71	N/A	90.9	98.3		6:00 PM	94.7	72.1	69.8	N/A	90.9	100	6:00 PM	94.7	72.1	69.8	N/A	90.9	100
	7:00 PM	85.9	51.5	67.9	N/A	90.9	99.4		7:00 PM	92.7	73.2	67.1	N/A	90.9	100	7:00 PM	92.7	73.2	67.1	N/A	90.9	100
	8:00 PM	83.3	51.5	64.5	N/A	90.9	97.1		8:00 PM	90.6	74.2	64.3	N/A	90.9	100	8:00 PM	90.6	74.2	64.3	N/A	90.9	100
	9:00 PM	81.6	51.5	62.1	N/A	90.9	99.5		9:00 PM	89.3	75.8	62.2	N/A	90.9	100	9:00 PM	89.3	75.8	62.2	N/A	90.9	100
	10:00 PM	81.1	51.5	60.8	N/A	90.9	99.8		10:00 PM	89	78.3	61	N/A	90.9	100	10:00 PM	89	78.3	61	N/A	90.9	100
	11:00 PM	81.2	51.5	60.2	N/A	90.9	98.6		11:00 PM	89.2	81.4	60.4	N/A	90.9	100	11:00 PM	89.2	81.4	60.4	N/A	90.9	100
Day 2	12:00 AM	81.8	51.5	60.1	N/A	90.9	99.3	Day 2	12:00 AM	88.9	86.1	59.4	N/A	90.9	100	12:00 AM	88.9	86.1	59.4	N/A	90.9	100
	1:00 AM	82.7	51.5	60.8	N/A	90.9	100		1:00 AM	100	83.6	58.8	N/A	90.9	100	1:00 AM	100	83.6	58.8	N/A	90.9	100
	2:00 AM	87.1	51.5	61.1	N/A	90.9	100		2:00 AM	100	82.7	59	N/A	90.9	100	2:00 AM	100	82.7	59	N/A	90.9	100
	3:00 AM	91.4	51.5	61.4	N/A	90.9	100		3:00 AM	100	82	59.1	N/A	90.9	100	3:00 AM	100	82	59.1	N/A	90.9	100
	4:00 AM	95.9	51.5	62.1	N/A	90.9	100		4:00 AM	100	81.2	58.9	N/A	90.9	100	4:00 AM	100	81.2	58.9	N/A	90.9	100
	5:00 AM	96	51.5	61.2	N/A	90.9	100		5:00 AM	100	77.3	56.9	N/A	90.9	100	5:00 AM	100	77.3	56.9	N/A	90.9	100
	6:00 AM	94.2	51.5	56.4	N/A	90.9	95.1		6:00 AM	99.8	73.5	52.1	N/A	90.9	99.2	6:00 AM	99.8	73.5	52.1	N/A	90.9	99.2
	7:00 AM	92.4	51.5	50.5	N/A	90.9	85.9		7:00 AM	98.9	73.4	46.7	N/A	90.9	99.7	7:00 AM	98.9	73.4	46.7	N/A	90.9	99.7
	8:00 AM	91.8	51.5	46.3	N/A	90.9	84.6		8:00 AM	98.3	75.8	42.6	N/A	90.9	98.7	8:00 AM	98.3	75.8	42.6	N/A	90.9	98.7
	9:00 AM	90.8	51.5	43.7	N/A	90.9	85.7		9:00 AM	97.9	78.3	41	N/A	90.9	99.1	9:00 AM	97.9	78.3	41	N/A	90.9	99.1
	10:00 AM	90.5	51.5	42.9	N/A	90.9	90.9		10:00 AM	98.2	81.7	41	N/A	90.9	100	10:00 AM	98.2	81.7	41	N/A	90.9	100
	11:00 AM	90.6	51.5	42.6	N/A	90.9	96.9		11:00 AM	97.1	86	39.3	N/A	90.9	100	11:00 AM	97.1	86	39.3	N/A	90.9	100
	12:00 PM	89.7	51.5	41.3	N/A	90.9	98.5		12:00 PM	94.5	89.6	37.7	N/A	90.9	100	12:00 PM	94.5	89.6	37.7	N/A	90.9	100
	1:00 PM	88.9	51.5	40	N/A	90.9	97.4		1:00 PM	92	93.2	36.3	N/A	90.9	100	1:00 PM	92	93.2	36.3	N/A	90.9	100
	2:00 PM	88.1	51.5	38.7	N/A	90.9	99.6		2:00 PM	89.8	97	35	N/A	90.9	100	2:00 PM	89.8	97	35	N/A	90.9	100
	3:00 PM	87.4	51.5	37.6	N/A	90.9	97.6		3:00 PM	87.8	99.3	33.7	N/A	90.9	100	3:00 PM	87.8	99.3	33.7	N/A	90.9	100
	4:00 PM	86.8	51.5	36.5	N/A	90.9	99.1		4:00 PM	85.9	99.8	32.4	N/A	90.9	100	4:00 PM	85.9	99.8	32.4	N/A	90.9	100
	5:00 PM	86.2	51.5	35.5	N/A	90.9	97.5		5:00 PM	84.1	99.7	30.9	N/A	90.9	100	5:00 PM	84.1	99.7	30.9	N/A	90.9	100
	6:00 PM	85	51.5	33.8	N/A	90.9	98.7		6:00 PM	82.1	99.6	28.8	N/A	90.9	100	6:00 PM	82.1	99.6	28.8	N/A	90.9	100
	7:00 PM	82.4	51.5	30.9	N/A	90.9	99.7		7:00 PM	80.3	98.2	26.4	N/A	90.9	100	7:00 PM	80.3	98.2	26.4	N/A	90.9	100
	8:00 PM	79.6	51.5	28	N/A	90.9	98.3		8:00 PM	79.6	97.7	25.1	N/A	90.9	100	8:00 PM	79.6	97.7	25.1	N/A	90.9	100
	9:00 PM	77.9	51.5	25.8	N/A	90.9	99		9:00 PM	79.6	98	24.4	N/A	90.9	100	9:00 PM	79.6	98	24.4	N/A	90.9	100
	10:00 PM	77.3	51.5	24.8	N/A	90.9	99.4		10:00 PM	79.4	99.8	23.6	N/A	90.9	100	10:00 PM	79.4	99.8	23.6	N/A	90.9	100
	11:00 PM	77.3	51.5	24.4	N/A	90.9	97.7		11:00 PM	79.8	99.2	23.6	N/A	90.9	100	11:00 PM	79.8	99.2	23.6	N/A	90.9	100
Day 3	12:00 AM	77.8	51.5	24.7	N/A	90.9	98.9	Day 3	12:00 AM	80	100	23.3	N/A	90.9	100	12:00 AM	80	100	23.3	N/A	90.9	100
	1:00 AM	78.5	51.5	25.4	N/A	90.9	100		1:00 AM	95	97.6	22.7	N/A	90.9	100	1:00 AM	95	97.6	22.7	N/A	90.9	100
	2:00 AM	82.7	51.5	26	N/A	90.9	100		2:00 AM	100	96.8	22.9	N/A	90.9	100	2:00 AM	100	96.8	22.9	N/A	90.9	100
	3:00 AM	86.8	51.5	26.4	N/A	90.9	100		3:00 AM	100	96.1	23	N/A	90.9	100	3:00 AM	100	96.1	23	N/A	90.9	100
	4:00 AM	91	51.5	26.9	N/A	90.9	100		4:00 AM	100	95.5	22.9	N/A	90.9	100	4:00 AM	100	95.5	22.9	N/A	90.9	100
	5:00 AM	91.9	51.5	25.3	N/A	90.9	100		5:00 AM	100	91.7	21.2	N/A	90.9	100	5:00 AM	100	91.7	21.2	N/A	90.9	100
	6:00 AM	90.1	51.5																			

Table F- 11. Tank Curves for NSA – Phase 2, Max Day

NSA Storage Tank Curves - Phase 2, Max Day						
	Anatolia	Douglas Rd	North Douglas	Sunrise Douglas II	White Rock Rd	Suncreek
Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)
Day 1	12:00 AM	97	51.5	97	97	97
	1:00 AM	96.6	53	99.4	99.9	100
	2:00 AM	100	56	99.9	99.9	100
	3:00 AM	100	58.2	99.9	99.9	100
	4:00 AM	100	60.8	99.8	90.2	100
	5:00 AM	100	59.3	99	77.9	100
	6:00 AM	92	60	95.4	72.8	100
	7:00 AM	84.1	60.6	89.5	81.7	100
	8:00 AM	76.6	61.5	87.1	95.7	100
	9:00 AM	69.4	62.5	85.9	99.2	100
	10:00 AM	62.2	65.6	86.1	98.1	100
	11:00 AM	55.2	68.7	86.8	97.9	100
Day 2	12:00 PM	48.4	71.8	87.7	97.6	100
	1:00 PM	41.5	74.7	88.8	95.9	100
	2:00 PM	36.5	76.9	90	93.6	100
	3:00 PM	36.8	77.3	91.3	89.5	100
	4:00 PM	37.2	77.6	92.6	85.5	100
	5:00 PM	37.6	78	93.7	81.7	100
	6:00 PM	36.8	78.3	93.5	77.6	100
	7:00 PM	36.7	76.6	91.9	73.5	100
	8:00 PM	37.1	74.6	90.2	84.3	100
	9:00 PM	37.6	73	89.2	99.9	100
	10:00 PM	38.1	73.6	89.4	97.7	100
	11:00 PM	38.7	74.3	90.4	97.1	100
Day 3	12:00 AM	39.6	75.4	91.8	97.1	100
	1:00 AM	55.3	68.2	94.3	97.1	100
	2:00 AM	71.1	63.1	98	97.1	100
	3:00 AM	86.9	59.3	99.1	97.1	100
	4:00 AM	100	58.6	99.2	91.5	100
	5:00 AM	100	59.1	99.4	74.9	100
	6:00 AM	91.6	59.7	95.8	76	100
	7:00 AM	83.7	60.3	89.8	85.1	100
	8:00 AM	76.2	61.2	87.4	99	100
	9:00 AM	69	62.2	86.2	98.4	100
	10:00 AM	61.9	65.3	86.4	97.3	100
	11:00 AM	54.9	68.4	87.1	97.1	100
Day 3	12:00 PM	47.9	71.4	88	95.2	100
	1:00 PM	40.9	74.3	89.1	93.5	100
	2:00 PM	36.5	76.4	90.3	91	100
	3:00 PM	36.9	76.7	91.5	86.9	100
	4:00 PM	37.3	77.1	92.9	82.9	100
	5:00 PM	37.7	77.4	94	79	100
	6:00 PM	37.6	77.3	93.7	74.7	100
	7:00 PM	36.6	76.2	92.1	80.2	100
	8:00 PM	37	74.2	90.4	91.9	100
	9:00 PM	37.5	72.6	89.4	99.6	100
	10:00 PM	38.1	73.3	89.7	97.4	100
	11:00 PM	38.6	74	90.6	96.7	100
Day 3	12:00 AM	39.5	75	92	96.7	100
	1:00 AM	50.7	70.5	94.3	96.7	100
	2:00 AM	66.4	65.4	97.9	96.7	100
	3:00 AM	82.2	61.9	98.4	96.7	100
	4:00 AM	98	60	99.4	92.7	100
	5:00 AM	100	59.2	98.6	78.4	100
	6:00 AM	91.7	57.7	96.6	73.4	100
	7:00 AM	83.9	57.2	94.7	81.5	100
	8:00 AM	76.4	58.1	93	94.9	100
	9:00 AM	69.2	59.1	91.7	99.3	100
	10:00 AM	62	62.2	91.9	98.1	100
	11:00 AM	55	65.4	92.6	97.9	100
Day 3	12:00 PM	48	68.3	93.5	96	100
	1:00 PM	41	71.3	94.6	94.2	100
	2:00 PM	36.5	73.4	95.8	91.7	100
	3:00 PM	36.8	73.8	97.1	87.6	100
	4:00 PM	37.2	74.2	98.4	83.6	100
	5:00 PM	37.6	74.6	99.5	79.7	100
	6:00 PM	37.6	74.5	99.3	75.4	100
	7:00 PM	36.6	73.4	97.6	78.9	100
	8:00 PM	37	71.5	95.8	90.2	100
	9:00 PM	37.5	70	94.8	99.7	100
	10:00 PM	38	70.7	95.1	97.4	100
	11:00 PM	38.6	71.4	96	96.8	100
12:00 AM	39.4	72.4	97.4	96.8	100	

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 12. Tank Curves for CSA – Buildout, Max Day

CSA Storage Tank Curves - Buildout, Max Day, "Dry" Year								CSA Storage Tank Curves - Buildout, Max Day, "Wet" Year								
	North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well	
	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)		Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	
Day 1	12:00 AM	97	72.7	88.5	88.9	97	84.6	97.2	12:00 AM	97	72.7	88.5	88.9	97	84.6	97.2
	1:00 AM	99.7	74.2	93.3	100	79.3	86.1	98.2	1:00 AM	95.9	78.7	91	100	97	87.1	97.5
	2:00 AM	98.2	78.1	99.6	100	94.6	90	99.2	2:00 AM	96.4	84.7	93.5	100	97	89.7	99.8
	3:00 AM	98.6	81.8	100	100	95.1	93.9	99.4	3:00 AM	93.5	90.7	96	100	97	92.2	96.2
	4:00 AM	99.9	84.6	100	100	99.9	97.5	98.9	4:00 AM	96.1	96.7	96.7	100	97	94.7	98.7
	5:00 AM	96.9	75.3	99	100	99.7	98.9	99.8	5:00 AM	96.9	100	89.6	100	97	94.7	98.4
	6:00 AM	87.6	66	97.1	96.9	91.8	98.7	97.3	6:00 AM	90.7	95.1	87.6	100	97	93.9	96.2
	7:00 AM	71.6	54.2	91.1	100	99.7	94.9	94.6	7:00 AM	71.2	89.7	77.7	100	97	87.5	92.5
	8:00 AM	62.7	57.7	87	100	75.6	92.5	92	8:00 AM	62.7	84.8	78	100	97	86	90.1
	9:00 AM	56.5	61.3	85.5	100	91.1	90.9	89.4	9:00 AM	58	79.9	80	100	97	85.5	88.3
	10:00 AM	57	65.1	91.2	100	70.3	91.4	87.2	10:00 AM	57.9	75.5	80	100	97	85.5	88.4
	11:00 AM	58.9	68.6	90.5	100	87.1	91.6	88.1	11:00 AM	59.8	74.5	79.5	100	97	85.5	89.7
12:00 PM	61	72.1	100	100	99.5	91.7	89	12:00 PM	61.9	75.3	79.3	100	97	85.5	91.1	
Day 2	1:00 PM	63.9	75.6	90.8	100	88.2	92	89.9	1:00 PM	64.9	74.7	79.9	100	97	86.7	92.3
	2:00 PM	67	79.1	91.8	100	82.7	92.3	90.9	2:00 PM	68	75.2	80.4	100	97	88.1	93.5
	3:00 PM	70.3	82.6	93.1	100	99.3	92.6	91.8	3:00 PM	71.3	74.8	80.9	100	97	89.7	94.7
	4:00 PM	74	84.2	95.4	100	96.6	93	92.7	4:00 PM	74.9	75.1	81.5	100	97	91.5	96
	5:00 PM	76.9	82.4	98.3	100	71.3	93.3	93.6	5:00 PM	78	74.7	81.5	100	97	91.5	97.8
	6:00 PM	77	78.5	98.1	100	87.7	93.4	94.5	6:00 PM	77.7	75	79.7	100	97	91.2	98.7
	7:00 PM	72.1	65.4	94.8	100	97.3	93.1	95.4	7:00 PM	73	74.8	77.4	100	97	88.7	98.9
	8:00 PM	66.3	63.2	95	100	54	92.8	93.1	8:00 PM	67.5	73.2	77.4	100	97	85.3	98.9
	9:00 PM	62	66.8	95.1	100	71	92.6	90.6	9:00 PM	65	73.5	77	100	97	84.1	99.4
	10:00 PM	62	70.5	100	100	90.9	93	88.4	10:00 PM	65.8	73.2	77.5	100	97	84.1	97.8
	11:00 PM	64.4	74	97.5	100	75.2	93.2	89.3	11:00 PM	67.8	76.3	77.4	100	97	84.1	99.1
	12:00 AM	68.1	77.4	99.6	100	91.6	93.3	90.2	12:00 AM	71.6	73.7	77.4	100	97	84.1	94.1
Day 3	1:00 AM	74.2	81	100	100	96.2	94.3	91.1	1:00 AM	75.4	79.7	80	100	97	86.7	93.6
	2:00 AM	84.1	84.8	100	100	55.2	98.4	92.2	2:00 AM	85.5	85.7	82.5	100	97	89.2	96.4
	3:00 AM	93.5	84.2	100	100	89.3	99.3	93.3	3:00 AM	94.6	91.7	85	100	97	91.7	98.7
	4:00 AM	97.7	82.9	99.6	100	90.2	99.4	94.4	4:00 AM	94.6	97.7	85.4	100	97	94.2	99.8
	5:00 AM	97.7	72.3	98.1	100	95.3	99.2	95.3	5:00 AM	96.4	97.7	82.8	100	97	94.2	91.7
	6:00 AM	88.3	64.4	95.7	100	54.4	98.7	92.8	6:00 AM	90.2	92.6	78.9	100	97	93.1	90.6
	7:00 AM	71.9	50.4	89.9	100	67.8	95	90.2	7:00 AM	72.2	87.3	74.8	100	97	87.5	87.2
	8:00 AM	63	51.1	86.2	100	81.8	93	87.5	8:00 AM	63.4	82.3	77.9	100	97	86	84.8
	9:00 AM	57	54.7	85.1	100	96.9	91.6	85	9:00 AM	58.7	77.5	80	100	97	85.5	83
	10:00 AM	57.3	58.5	90.3	100	50.6	92	82.8	10:00 AM	58.6	73.1	80	100	97	85.5	83
	11:00 AM	59.1	62.1	89.5	100	69.8	92.1	83.7	11:00 AM	60.5	76.4	79.4	100	97	85.5	84.5
	12:00 PM	61	65.6	88.7	100	86.9	92.2	84.6	12:00 PM	62.6	73.8	79	100	97	85.5	85.9
Day 3	1:00 PM	63.9	69.1	89.4	100	87.7	92.5	85.6	1:00 PM	65.5	75.8	79.5	100	97	86.6	87.1
	2:00 PM	67.1	72.7	90.4	100	85.2	92.8	86.5	2:00 PM	68.7	74.3	80	100	97	88	88.3
	3:00 PM	70.4	76.2	91.7	100	93.8	93.1	87.4	3:00 PM	72	75.5	80.6	100	97	89.4	89.6
	4:00 PM	74	79.6	93.6	100	63.2	93.3	88.4	4:00 PM	75.6	74.5	81.1	100	97	91.2	90.9
	5:00 PM	77.4	83.1	94.9	100	81.7	93.6	89.3	5:00 PM	78.7	75.2	81.1	100	97	91.2	92.7
	6:00 PM	77	79.3	94.1	100	96.6	93.5	90.2	6:00 PM	78.3	74.6	79.3	100	97	90.8	93.7
	7:00 PM	72.1	65.6	91.1	100	87.8	93.3	91.1	7:00 PM	73.6	75	77	100	97	88.3	93.8
	8:00 PM	66.5	60.9	92.2	100	89.6	93.2	88.7	8:00 PM	67.9	74.8	77.1	100	97	84.5	93.8
	9:00 PM	63.6	64.5	93.9	100	83.2	93.2	86.2	9:00 PM	65.2	73.2	77.9	100	97	83.1	94.3
	10:00 PM	64.1	68.3	99.5	100	94.3	93.7	84	10:00 PM	65.8	73.6	78.3	100	97	83.1	95.4
	11:00 PM	66.4	71.8	99.4	100	61.5	93.8	84.9	11:00 PM	67.9	76	78.2	100	97	83.1	96.8
	12:00 AM	70.1	75.3	99.4	100	79.6	94.1	85.8	12:00 AM	71.6	74	78.2	100	97	83.1	98.9
Day 3	1:00 AM	75.6	78.8	99.3	100	97.9	94.8	86.8	1:00 AM	75.5	80	80.7	100	97	85.7	98.4
	2:00 AM	85.3	82.7	100	100	69.5	98.8	88	2:00 AM	85.3	86	83.3	100	97	88.2	92.4
	3:00 AM	94.7	84.7	100	100	95.8	99.5	89.2	3:00 AM	94.6	92	85.8	100	97	90.7	94.8
	4:00 AM	98.9	83.4	99.8	100	97.6	99.9	90.3	4:00 AM	94.6	98	86.4	100	97	93.2	97.4
	5:00 AM	98.5	74.1	98.2	100	90.7	99.7	91.2	5:00 AM	96.7	98	83.6	100	97	93.2	99.6
	6:00 AM	88.2	62.3	96.5	98.2	75.9	98.6	88.8	6:00 AM	90.4	92.9	79.7	100	97	92.2	98.5
	7:00 AM	69.7	45.9	90.3	64.9	86.2	94.6	86.1	7:00 AM	72.9	87.6	75.6	100	97	86.8	95
	8:00 AM	61.1	46.3	87.4	100	98.5	92.7	83.6	8:00 AM	64.3	82.7	77.6	100	97	85.3	92.6
	9:00 AM	55.5	49.9	86.6	100	43.7	91.3	81.2	9:00 AM	59.4	77.8	80.8	100	97	85	90.7
	10:00 AM	55.5	53.7	91.4	100	66.5	91.7	78.9	10:00 AM	58.3	73.4	80.8	100	97	85	90.7
	11:00 AM	57.3	57.3	90.6	100	84	91.8	79.8	11:00 AM	61.2	76.1	80.4	100	97	85	92.1
	12:00 PM	59.4	60.8	90.6	100	98	91.8	80.8	12:00 PM	63.3	74	80.1	100	97	85	93.5
Day 3	1:00 PM	62.3	64.3	91.3	100	46	92.1	81.7	1:00 PM	66.2	75.6	80.6	100	97	86.3	94.6
	2:00 PM	65.4	67.9	92	100	66.7	92.3	82.6	2:00 PM	69.4	74.4	81.2	100	97	87.7	95.8
	3:00 PM	68.7	71.4	93.2	100	84.9	92.6	83.6	3:00 PM	72.7	75.4	81.7	100	97	89.3	97
	4:00 PM	72.2	75	94.7	100	93.1	92.9	84.5	4:00 PM	76.3	74.6	82.3	100	97	91.1	98.3
	5:00 PM	75.1	78.4	95.5	100	71.8	93.2	85.4	5:00 PM	79.3	74.4	82.2	100	97	91.1	96.3
	6:00 PM	75	81.8	92.4	100	86.4	93	86.3	6:00 PM	79.1	75.3	80.3	100	97	90.9	99.2
	7:00 PM	70.6	83.5	86.8	58.1	97	92.4	87.1	7:00 PM	74.3	74.6	78.1	100	97	88.4	99.3
	8:00 PM	65.1	69.8	90.7	100	86.6	92.7	84.8	8:00 PM	68.9	73.2	77.1	100	97	85	99.4
	9:00 PM	62.2	67.1	94.3	100	86.7	92.9	82.5	9:00 PM	66.6	72.8	77.1	100	97	83.9	99.9
	10:00 PM	62.5	70.8	99.6	100	84.2	93.3	80.5	10:00 PM	67.3	72.8	77.8	100	97	83.9	98.7
	11:00 PM	64.7	74.3	99.5	100	100	93.5	81.4	11:00 PM	69.3	76.6	77.6	100	97	83.9	99.9
	12:00 AM	68.5	77.8	97.1	100	96.4	93.7	82.4	12:00 AM	73	73.5	77.6	100	97	83.9	85.5

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 13. Tank Curves for CSA – Buildout, Average Day and Pre-Phase 1, Max Day

CSA Storage Tank Curves - Buildout, Average Day, "Wet" Year									CSA Tank Curves - Pre-Phase 1, Max Day								
	North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		
Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)		
Day 1	12:00 AM	97	72.7	88.5	88.9	97	84.6	97.2	Day 1	12:00 AM	97	97	98.1	88.9	N/A	84.6	N/A
	1:00 AM	99.7	81.7	91	100	100	87.1	99.1		1:00 AM	100	100	97.5	100	N/A	85.5	N/A
	2:00 AM	99.7	90.7	93.5	100	100	89.7	98.7		2:00 AM	100	100	98.3	100	N/A	88.8	N/A
	3:00 AM	99.4	99.7	96	100	100	92.2	98.7		3:00 AM	100	100	98.2	100	N/A	92.1	N/A
	4:00 AM	99.4	100	98.6	100	100	94.7	97.5		4:00 AM	100	100	98.1	100	N/A	93.9	N/A
	5:00 AM	97.2	100	98.6	100	100	94.7	95		5:00 AM	100	100	96.9	100	N/A	93.4	N/A
	6:00 AM	91.9	100	98.6	100	100	92.1	95		6:00 AM	100	83.3	89.3	99.7	N/A	90.5	N/A
	7:00 AM	81.8	100	98.6	100	100	89.2	99		7:00 AM	100	78.9	78.5	97.7	N/A	82.7	N/A
	8:00 AM	77.1	100	98.6	100	100	86.6	95.4		8:00 AM	100	75.8	71.2	98.6	N/A	77.5	N/A
	9:00 AM	74.5	100	98.6	100	100	84.2	97.5		9:00 AM	100	72.8	64.4	94.8	N/A	73.6	N/A
	10:00 AM	74.3	100	98.6	100	100	81.8	93		10:00 AM	100	70.4	63.2	100	N/A	71.8	N/A
	11:00 AM	74.8	100	98.6	100	100	79.7	97.8		11:00 AM	100	72.6	62	99.2	N/A	69.5	N/A
	12:00 PM	75.5	100	98.6	100	100	77.7	92.7		12:00 PM	100	74.6	63.1	94.5	N/A	66.9	N/A
	1:00 PM	76.5	100	100	100	100	77.6	98.8		1:00 PM	100	76.6	65.9	90.6	N/A	64.4	N/A
	2:00 PM	77.6	100	100	100	100	77.5	89.5		2:00 PM	100	78.7	68.7	88.4	N/A	61.9	N/A
	3:00 PM	78.8	100	100	100	100	77.5	98.3		3:00 PM	100	80.7	71.4	92.8	N/A	59.7	N/A
	4:00 PM	80.2	100	100	100	100	77.5	90.6		4:00 PM	100	82.7	74.2	74.4	N/A	57.5	N/A
	5:00 PM	81.7	100	100	100	100	77.4	99.9		5:00 PM	100	84.7	77	86	N/A	55.3	N/A
	6:00 PM	80.8	100	100	100	100	77.9	95.2		6:00 PM	100	86.7	74.1	84.8	N/A	53.1	N/A
	7:00 PM	77.9	100	100	100	100	77.4	97.4		7:00 PM	100	88.7	68.4	98.3	N/A	50.5	N/A
	8:00 PM	74.7	100	100	100	100	77	98.3		8:00 PM	100	90.6	61.3	53	N/A	47.8	N/A
	9:00 PM	73.1	100	100	100	100	77.2	98.2		9:00 PM	100	92.5	58.9	68.5	N/A	44.3	N/A
	10:00 PM	73	100	100	100	100	78.6	97.9		10:00 PM	100	94.3	61.6	78.2	N/A	40.9	N/A
	11:00 PM	73.7	100	100	100	100	77.4	90.9		11:00 PM	100	96.3	64.4	98.3	N/A	39	N/A
Day 2	12:00 AM	75.1	100	100	100	100	81.1	99.8	Day 2	12:00 AM	100	98.2	67.3	60.7	N/A	37.2	N/A
	1:00 AM	77.2	100	100	100	100	83.7	90.6		1:00 AM	100	100	70.2	88	N/A	36.7	N/A
	2:00 AM	81.6	100	100	100	100	86.2	99.7		2:00 AM	100	100	73.1	92	N/A	38.4	N/A
	3:00 AM	85.7	100	100	100	100	88.7	89.1		3:00 AM	100	100	76	87.2	N/A	38.6	N/A
	4:00 AM	90.2	100	100	100	100	91.2	98.8		4:00 AM	100	100	78.8	58.7	N/A	40.2	N/A
	5:00 AM	90.6	100	100	100	100	91.2	92.4		5:00 AM	100	100	77.4	94.6	N/A	38.7	N/A
	6:00 AM	87.1	100	100	100	100	88.8	99.9		6:00 AM	100	95.2	70.2	94.2	N/A	34.9	N/A
	7:00 AM	78.7	100	100	100	100	86	98.8		7:00 AM	100	90.9	60.5	95.7	N/A	28.8	N/A
	8:00 AM	73.9	100	100	100	100	83.4	93.5		8:00 AM	100	87.4	54.1	91.6	N/A	25	N/A
	9:00 AM	71	100	100	100	100	80.9	98.6		9:00 AM	100	83.7	53.4	68.1	N/A	21.5	N/A
	10:00 AM	70.7	100	100	100	100	78.5	91		10:00 AM	100	80.2	56.1	76.4	N/A	18.2	N/A
	11:00 AM	71.2	100	100	100	100	77.2	99.7		11:00 AM	100	82	58.7	82.1	N/A	14.9	N/A
	12:00 PM	71.9	100	100	100	100	78.2	94.2		12:00 PM	100	83.8	61.4	87.4	N/A	11.6	N/A
	1:00 PM	72.9	100	100	100	100	78.2	96.9		1:00 PM	100	85.6	64	92.9	N/A	9.8	N/A
	2:00 PM	74	100	100	100	100	78.1	92.2		2:00 PM	100	87.4	66.7	97.9	N/A	7.9	N/A
	3:00 PM	75.3	100	100	100	100	78.1	98.5		3:00 PM	100	89.2	69.4	96.5	N/A	6.2	N/A
	4:00 PM	76.6	100	100	100	100	78.1	89.9		4:00 PM	100	91.1	72.1	94.5	N/A	4.8	N/A
	5:00 PM	77.7	100	100	100	100	79.9	98.7		5:00 PM	100	93.1	74.9	61.4	N/A	3.8	N/A
	6:00 PM	77.4	100	100	100	100	77.5	89.3		6:00 PM	100	94.8	75.7	75.3	N/A	2.1	N/A
	7:00 PM	74.5	100	100	100	100	78	96.6		7:00 PM	100	96.7	69.2	97.3	N/A	0.5	N/A
	8:00 PM	71.3	100	100	100	100	78.1	98.9		8:00 PM	100	98.2	60.8	99.8	N/A	4.1	N/A
	9:00 PM	69.7	100	100	100	100	77.3	98.8		9:00 PM	100	99.9	56.9	99.6	N/A	2.3	N/A
	10:00 PM	69.6	100	100	100	100	78.3	98.5		10:00 PM	100	96.7	59.6	68.9	N/A	0.7	N/A
	11:00 PM	70.3	100	100	100	100	79.3	99.5		11:00 PM	100	98.6	61.5	83.1	N/A	2.1	N/A
Day 3	12:00 AM	71.8	100	100	100	100	77	95.8	Day 3	12:00 AM	100	100	63.2	89.7	N/A	4.5	N/A
	1:00 AM	74.4	100	100	100	100	79.5	98.8		1:00 AM	100	95.1	64	98.9	N/A	6.3	N/A
	2:00 AM	78.9	100	100	100	100	82	90.3		2:00 AM	100	100	66.9	63.4	N/A	9.7	N/A
	3:00 AM	83	100	100	100	100	84.6	99.8		3:00 AM	100	100	69.6	70.5	N/A	13	N/A
	4:00 AM	87.3	100	100	100	100	87.1	89.9		4:00 AM	100	100	72.5	84	N/A	16.5	N/A
	5:00 AM	89.3	100	100	100	100	87.1	98.8		5:00 AM	100	100	68.6	90.6	N/A	17.6	N/A
	6:00 AM	84	100	100	100	100	84.5	92.1		6:00 AM	100	95.9	60.1	90	N/A	14	N/A
	7:00 AM	74.7	100	100	100	100	81.7	96.5		7:00 AM	100	91.5	50.3	90.7	N/A	8.2	N/A
	8:00 AM	69.9	100	100	100	100	79.1	96.1		8:00 AM	100	87.8	44.2	96.7	N/A	4.8	N/A
	9:00 AM	67.5	100	100	100	100	77.3	99.2		9:00 AM	100	84.2	43.1	72.2	N/A	1.7	N/A
	10:00 AM	67.4	100	100	100	100	76.9	95.3		10:00 AM	100	80.7	44.3	81.9	N/A	1.8	N/A
	11:00 AM	67.9	100	100	100	100	79.6	96.3		11:00 AM	100	82.5	44.9	88	N/A	1.6	N/A
	12:00 PM	68.5	100	100	100	100	78.3	93.1		12:00 PM	100	84.3	46.9	93	N/A	0.4	N/A
	1:00 PM	69.5	100	100	100	100	78.3	97.4		1:00 PM	100	86.3	47	52.4	N/A	0.8	N/A
	2:00 PM	70.7	100	100	100	100	78.2	91.5		2:00 PM	100	88.1	49.8	60.2	N/A	0.6	N/A
	3:00 PM	71.9	100	100	100	100	78.2	99.5		3:00 PM	100	89.9	52.5	67.5	N/A	0.4	N/A
	4:00 PM	73.2	100	100	100	100	78.1	88.5		4:00 PM	100	91.6	55.2	74.5	N/A	0.2	N/A
	5:00 PM	74.3	100	100	100	100	79.8	97.3		5:00 PM	100	93.4	57.9	80.9	N/A	0	N/A
	6:00 PM	73.8	100	100	100	100	77.5	91.3		6:00 PM	100	95.3	56.3	95.8	N/A	3.7	N/A
	7:00 PM	70.9	100	100	100	100	78.1	98.6		7:00 PM	100	97.1	52.2	85.7	N/A	3.1	N/A

APPENDIX F
Sacramento County Water Agency Zone 40
Zone 40 Water System Infrastructure Plan

Table F- 14. Tank Curves for CSA – Max Day, Phase 1 and Phase 2

CSA Tank Curves - Phase 1, Max Day								CSA Tank Curves - Phase 2, Max Day								
	North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove	CWTP Clear Well		North Vineyard Station	Wildhawk	Waterman	Calvine Meadows	Bond	East Elk Grove		
Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)		
Day 1	12:00 AM	97	97	98.1	88.9	N/A	84.6	97.2	Day 1	12:00 AM	97	100	76.9	88.9	100	76.9
	1:00 AM	99.8	100	100	100	N/A	87.1	99.8		1:00 AM	96.8	100	80.3	100	100	80.3
	2:00 AM	99.3	100	100	100	N/A	89.7	99.8		2:00 AM	99.2	100	83.7	100	100	83.7
	3:00 AM	94.7	100	100	100	N/A	92.2	95.3		3:00 AM	96.5	100	87	100	100	87
	4:00 AM	96.3	100	100	100	N/A	94.7	99.1		4:00 AM	98.2	100	90.4	100	100	90.4
	5:00 AM	93.8	100	100	100	N/A	94.7	96.6		5:00 AM	90.9	100	90.4	100	100	90.4
	6:00 AM	92.1	100	99.5	100	N/A	88.1	97.7		6:00 AM	82	100	87.8	100	100	85.9
	7:00 AM	88	100	99.6	100	N/A	80.1	98.5		7:00 AM	64.8	100	84.6	100	100	79.6
	8:00 AM	88.9	100	100	100	N/A	77.2	100		8:00 AM	58.6	100	82.2	100	100	77.5
	9:00 AM	92.5	100	99.2	100	N/A	79.5	94.8		9:00 AM	61.4	100	79.9	100	100	77
	10:00 AM	99.5	100	99.7	100	N/A	77.9	97.6		10:00 AM	70.1	100	79.9	100	100	77
	11:00 AM	97.4	100	100	100	N/A	77.4	100		11:00 AM	79.2	100	79.9	100	100	77
	12:00 PM	99.7	100	100	100	N/A	77.6	99.8		12:00 PM	88.6	100	79.9	100	100	77
	1:00 PM	96.1	100	99.6	100	N/A	77.7	97.6		1:00 PM	98.8	100	79.9	100	100	77
	2:00 PM	99.4	100	99.9	100	N/A	77.8	99.6		2:00 PM	85.5	100	79.9	100	100	77
	3:00 PM	100	100	100	100	N/A	77.9	99.2		3:00 PM	96	100	79.9	100	100	77
	4:00 PM	100	100	100	100	N/A	78.1	100		4:00 PM	90	100	79.9	100	100	77
	5:00 PM	90.1	100	99.1	100	N/A	78	93.9		5:00 PM	99.2	100	79.9	100	100	77
	6:00 PM	95.8	100	100	100	N/A	77.6	97		6:00 PM	87	100	79.9	100	100	77
	7:00 PM	98.8	100	100	100	N/A	77.2	98.6		7:00 PM	84.6	100	79.9	100	100	77
	8:00 PM	100	100	100	100	N/A	76.9	100		8:00 PM	81.8	100	79.9	100	100	77
	9:00 PM	100	100	100	100	N/A	76.9	100		9:00 PM	82.3	100	79.9	100	100	77
	10:00 PM	89	100	98.9	100	N/A	81.2	93.2		10:00 PM	86.2	100	79.9	100	100	77
	11:00 PM	97.2	100	98.9	100	N/A	78.9	96.4		11:00 PM	95.3	100	79.9	100	100	77
Day 2	12:00 AM	99.7	100	100	100	N/A	77.2	99.7	Day 2	12:00 AM	96.7	100	79.9	100	100	77
	1:00 AM	90.9	100	98.7	100	N/A	79.7	93.6		1:00 AM	99.1	100	83.3	100	100	80.4
	2:00 AM	100	100	100	100	N/A	82.2	97.8		2:00 AM	99.4	100	86.7	100	100	83.7
	3:00 AM	99.6	100	100	100	N/A	84.8	99.9		3:00 AM	99.7	100	90	100	100	87.1
	4:00 AM	94.3	100	99.3	100	N/A	87.3	95.5		4:00 AM	94.9	100	93.4	100	100	90.5
	5:00 AM	99.9	100	99.9	100	N/A	87.3	98.7		5:00 AM	98.3	100	93.4	100	100	90.5
	6:00 AM	92.4	100	99.4	100	N/A	80.9	99.9		6:00 AM	90.9	100	90.8	100	100	85.8
	7:00 AM	88.4	100	100	100	N/A	76.9	98.2		7:00 AM	74	100	87.6	100	100	79.4
	8:00 AM	89.3	100	99.8	100	N/A	77.1	99.7		8:00 AM	67.2	100	85.1	100	100	78.4
	9:00 AM	93.2	100	99.4	100	N/A	79	96		9:00 AM	68.1	100	82.8	100	100	78.6
	10:00 AM	99.7	100	99.7	100	N/A	77.5	98.8		10:00 AM	72.1	100	82.8	100	100	78.6
	11:00 AM	96.8	100	99.8	100	N/A	78.7	98		11:00 AM	79.5	100	82.8	100	100	78.6
	12:00 PM	95.4	100	99.5	100	N/A	77.5	97.3		12:00 PM	88.6	100	82.8	100	100	78.6
	1:00 PM	98.9	100	100	100	N/A	77.6	99.3		1:00 PM	98.7	100	82.8	100	100	78.6
	2:00 PM	92.1	100	99.2	100	N/A	77.7	95.2		2:00 PM	85.5	100	82.8	100	100	78.6
	3:00 PM	99.9	100	100	100	N/A	77.8	98.6		3:00 PM	96.3	100	82.8	100	100	78.6
	4:00 PM	100	100	100	100	N/A	78	100		4:00 PM	98.5	100	82.8	100	100	78.6
	5:00 PM	89	100	99	100	N/A	78	93.3		5:00 PM	97.8	100	82.8	100	100	78.6
	6:00 PM	94.7	100	99.7	100	N/A	77.1	96.3		6:00 PM	91.8	100	82.8	100	100	78.6
	7:00 PM	97.8	100	99.9	100	N/A	77.1	98		7:00 PM	89.8	100	82.8	100	100	78.6
	8:00 PM	99.7	100	99.9	100	N/A	76.9	99.5		8:00 PM	86.3	100	82.8	100	100	78.6
	9:00 PM	99.9	100	100	100	N/A	76.9	100		9:00 PM	85.2	100	82.8	100	100	78.6
	10:00 PM	93.4	100	99.3	100	N/A	79.6	96		10:00 PM	89.4	100	82.8	100	100	78.6
	11:00 PM	99.6	100	99.9	100	N/A	77.9	99.3		11:00 PM	99.2	100	82.8	100	100	78.6
Day 3	12:00 AM	100	100	100	100	N/A	77.1	99.8	Day 3	12:00 AM	99.9	100	82.8	100	100	78.6
	1:00 AM	94.4	100	99.4	100	N/A	77.5	96.1		1:00 AM	100	100	86.2	100	100	82
	2:00 AM	99.7	100	100	100	N/A	79.6	99.7		2:00 AM	89.3	100	89.5	100	100	85.4
	3:00 AM	99.7	100	100	100	N/A	81.7	99.6		3:00 AM	96.3	100	92.9	100	100	88.7
	4:00 AM	93.7	100	99.2	100	N/A	83.7	94.9		4:00 AM	97.5	100	96.3	100	100	92.1
	5:00 AM	100	100	99.9	100	N/A	81.2	98		5:00 AM	95	100	96.3	100	100	92.1
	6:00 AM	95.4	100	100	100	N/A	76.8	99.1		6:00 AM	87.5	100	93.6	100	100	87.6
	7:00 AM	91	100	99.8	100	N/A	76.5	99.9		7:00 AM	70.8	100	90.4	100	100	81.2
	8:00 AM	92	100	99.1	100	N/A	77.7	97.3		8:00 AM	64.4	100	88	100	100	77.2
	9:00 AM	96	100	99.8	100	N/A	77.1	99.3		9:00 AM	65.2	100	85.6	100	100	79
	10:00 AM	99.8	100	100	100	N/A	77.9	99		10:00 AM	73.2	100	85.6	100	100	79
	11:00 AM	99.2	100	99.9	100	N/A	77.1	99.4		11:00 AM	82.3	100	85.6	100	100	79
	12:00 PM	96	100	99.6	100	N/A	79.2	97.6		12:00 PM	91.6	100	85.6	100	100	79
	1:00 PM	97.2	100	99.6	100	N/A	78.2	98.2		1:00 PM	97.1	100	85.6	100	100	79
	2:00 PM	100	100	100	100	N/A	76	100		2:00 PM	99.6	100	85.6	100	100	79
	3:00 PM	91.4	100	99.1	100	N/A	74.9	94.7		3:00 PM	94	100	85.6	100	100	79
	4:00 PM	99.8	100	100	100	N/A	74.3	98.1		4:00 PM	93.2	100	85.6	100	100	79
	5:00 PM	100	100	100	100	N/A	76.9	100		5:00 PM	92.4	100	85.6	100	100	79
	6:00 PM	100	100	100	100	N/A	76.9	100		6:00 PM	94.4	100	85.6	100	100	79
	7:00 PM	100	100	100	100	N/A	76.9	100		7:00 PM	92.7	100	85.6	100	100	79

APPENDIX F
Sacramento County Water Agency Zone 40
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Table F- 15. Tank Curves for SSA – Buildout, Max Day and Average Day

SSA Storage Tank Curves - Buildout, Max Day								SSA Storage Tank Curves - Buildout, Average Day							
	Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon		Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	
Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	
Day 1	12:00 AM	99.7	97	97	97	72.7	70	Day 1	12:00 AM	99.7	97	97	97	97	
	1:00 AM	99.3	92.6	95.8	100	95.1	100		1:00 AM	96.6	100	100	100	100	
	2:00 AM	99.9	96.5	97	100	100	100		2:00 AM	94.3	100	100	100	100	
	3:00 AM	98.2	97.6	98.5	100	100	100		3:00 AM	91.9	100	100	100	100	
	4:00 AM	99.7	96.3	96.4	100	100	100		4:00 AM	89.2	100	100	100	100	
	5:00 AM	97.5	90.4	94	99.8	100	100		5:00 AM	85.5	100	100	100	95.4	
	6:00 AM	94.1	79.7	88.2	99.8	92.3	76		6:00 AM	81.9	86.6	100	100	99.6	
	7:00 AM	89.2	57.3	79.2	95	76.3	71.3		7:00 AM	77.5	65.5	100	100	68	
	8:00 AM	85.9	52.5	73.7	95.2	66.1	91.7		8:00 AM	75.8	53.8	100	100	96	
	9:00 AM	83	63.5	68.2	96	57	93.1		9:00 AM	79.5	42	100	100	100	
	10:00 AM	80.6	75.1	68.4	99.7	54.9	100		10:00 AM	83.1	45.4	100	100	100	
	11:00 AM	78.5	86.7	68.9	96.5	53.4	100		11:00 AM	86.7	55.6	100	100	98.1	
	12:00 PM	76.4	96.4	69.4	100	57.1	100		12:00 PM	90.3	65.7	100	100	96.6	
	1:00 PM	75.3	89.2	71.2	99.7	61.3	100		1:00 PM	93.8	75.7	100	100	100	
	2:00 PM	77.3	81.6	72.6	97.9	65	100		2:00 PM	97.4	85.5	100	100	100	
	3:00 PM	79.2	74.7	74	98.5	68.5	100		3:00 PM	97.4	100	100	100	100	
	4:00 PM	81	68.2	75.3	98.4	72	100		4:00 PM	94.1	100	100	100	100	
	5:00 PM	82.9	62	76.6	98.3	75.4	100		5:00 PM	90.9	100	100	100	100	
	6:00 PM	84.5	54.7	76.9	96	77.8	97.5		6:00 PM	86.9	100	100	100	96.9	
	7:00 PM	84.8	48.5	72.1	96.7	79.2	91.5		7:00 PM	82.2	100	100	100	95.5	
	8:00 PM	81.7	52.2	66.4	96.4	80.3	85.5		8:00 PM	77.6	100	100	100	96.2	
	9:00 PM	79.1	56.8	62	98.2	82.2	100		9:00 PM	73.4	100	100	100	100	
	10:00 PM	76.8	61.7	62.6	97.9	84.7	100		10:00 PM	70	100	100	100	100	
Day 2	11:00 PM	75.1	67	63.6	98.8	87.6	100	Day 2	11:00 PM	67	100	100	100	100	
	12:00 AM	77	72	64.6	97.1	90.3	100		12:00 AM	70.6	100	100	100	94.5	
	1:00 AM	78.9	76.8	63.7	99.6	100	100		1:00 AM	72.9	100	100	100	67.1	
	2:00 AM	80.9	82.4	65.5	99.2	100	100		2:00 AM	76.6	100	100	100	100	
	3:00 AM	82.9	87.5	67.1	98.4	100	100		3:00 AM	80.3	100	100	100	98.6	
	4:00 AM	84.8	92.4	68.6	98.4	100	100		4:00 AM	84	100	100	100	100	
	5:00 AM	86.3	89.9	67	96.2	100	89.4		5:00 AM	81.5	100	100	100	100	
	6:00 AM	83.7	72.1	61.5	94.2	99	74		6:00 AM	78.2	70.6	100	100	100	
	7:00 AM	79	49.5	53.1	89.3	82.4	68.6		7:00 AM	74.2	53.2	100	100	100	
	8:00 AM	75.8	45.4	48.1	88.8	71.4	99.1		8:00 AM	77.8	36.6	100	100	95	
	9:00 AM	74.5	43	48.2	89.7	65.4	91.4		9:00 AM	81.4	23.7	100	100	99.8	
	10:00 AM	76.1	47.7	48.6	92	62.1	97.5		10:00 AM	85	27.6	100	100	96.9	
	11:00 AM	77.8	59.4	49.1	94.7	59.4	100		11:00 AM	81.7	54.5	100	100	100	
	12:00 PM	79.5	70.8	49.6	97.5	56.9	100		12:00 PM	78.6	81.3	100	100	100	
	1:00 PM	81.3	82.2	50.5	98.2	54.9	100		1:00 PM	75.5	100	100	100	100	
	2:00 PM	83	93.3	51.4	97.5	53.1	100		2:00 PM	72.6	100	100	100	100	
	3:00 PM	84.8	88.5	53.3	99.2	55.3	100		3:00 PM	69.7	100	100	100	100	
	4:00 PM	86.7	76.5	55.7	98.8	59.3	100		4:00 PM	68.3	100	100	100	100	
	5:00 PM	88.4	69.7	57.6	98.2	63	100		5:00 PM	68.7	100	100	100	100	
	6:00 PM	89.9	61.7	58.5	96	65.8	96.8		6:00 PM	65.3	100	100	100	100	
	7:00 PM	91.2	53.1	54.4	96.9	67.6	75.1		7:00 PM	61	100	100	100	84.5	
	8:00 PM	88.1	50.2	50.4	97.3	69.3	94.1		8:00 PM	56.6	100	100	100	93.7	
	9:00 PM	85.3	51.2	48.9	99	71.4	100		9:00 PM	52.7	100	100	100	100	
	10:00 PM	82.9	50.5	50.3	96.7	74.5	100		10:00 PM	50.6	100	100	100	89.6	
Day 3	11:00 PM	80.9	50.5	52	99.2	77.8	100	Day 3	11:00 PM	52.8	100	100	100	98.1	
	12:00 AM	79	51.1	54	99.3	81.4	100		12:00 AM	56.4	100	100	100	84.5	
	1:00 AM	77.3	51.1	55.7	98.6	100	100		1:00 AM	58.1	100	100	100	98.2	
	2:00 AM	77.8	53.7	59	100	100	100		2:00 AM	62	100	100	100	100	
	3:00 AM	78.1	55.3	61.5	100	100	100		3:00 AM	65.7	100	100	100	97.2	
	4:00 AM	78.6	58.2	64.9	100	100	100		4:00 AM	69.4	100	100	100	100	
	5:00 AM	78.4	57.6	66.1	95.6	100	100		5:00 AM	73	100	100	100	60.3	
	6:00 AM	75.5	48.9	61.4	95.7	85.1	80.5		6:00 AM	71	82.4	100	100	96.6	
	7:00 AM	71.1	28.4	53.3	91	69.6	75.8		7:00 AM	66.9	62.6	100	100	85	
	8:00 AM	68.3	25.8	48	90	58.9	97.5		8:00 AM	70.5	45.2	100	100	98.1	
	9:00 AM	67.6	24.3	43.6	90.4	54.5	76		9:00 AM	74.2	34.1	100	100	100	
	10:00 AM	69.3	29.7	44.2	92.4	51.7	100		10:00 AM	77.9	37.8	100	100	100	
	11:00 AM	71.1	34.8	49.4	94.8	49.2	100		11:00 AM	74.7	64.7	100	100	100	
	12:00 PM	72.8	46.8	49.8	97.4	47	100		12:00 PM	71.7	91.5	100	100	100	
	1:00 PM	74.7	58.8	50.6	98.5	45.4	100		1:00 PM	68.7	100	100	100	100	
	2:00 PM	76.4	70.3	51.2	97.2	48.9	100		2:00 PM	65.9	100	100	100	100	
	3:00 PM	78.2	81.6	51.8	99.3	52.4	100		3:00 PM	63.4	100	100	100	98	
	4:00 PM	80	92.7	52.6	95.7	55.9	100		4:00 PM	66.9	100	100	100	97.4	
	5:00 PM	81.8	89.1	54.3	99.4	59.6	100		5:00 PM	67.4	100	100	100	100	
	6:00 PM	83.5	75.8	56	96.3	62.9	100		6:00 PM	63.7	100	100	100	100	
	7:00 PM	84.9	60.8	55.1	97.1	64.6	84.6		7:00 PM	59.5	100	100	100	84.4	
	8:00 PM	86.1	49	51.3	97.1	66	98		8:00 PM	55.1	100	100	100	93.2	
	9:00 PM	87.5	49.2	48.6	97.6	67.8	98.3		9:00 PM	51.2	100	100	100	100	

APPENDIX F
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Table F- 16. Tank Curves for SSA – Pre-Phase 1 and Phase 1, Max Day

SSA Storage Tank Curves - Pre-Phase 1, Max Day									SSA Storage Tank Curves - Phase 1, Max Day								
	Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon		Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon		
Day 1	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Day 1	Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	Day 1	
	12:00 AM	100	97	N/A	100	97	97.5	N/A	12:00 AM	100	97	N/A	100	97	97.5	N/A	
	1:00 AM	97.4	97	N/A	100	99.6	100	N/A	1:00 AM	99.1	97.2	N/A	99.9	99.6	100	N/A	
	2:00 AM	98.6	98.2	N/A	100	89.3	100	N/A	2:00 AM	99.6	98.3	N/A	99.8	98.9	100	N/A	
	3:00 AM	99.6	97	N/A	100	99.5	100	N/A	3:00 AM	96.7	99	N/A	98.8	91.6	100	N/A	
	4:00 AM	98.4	96.9	N/A	100	99.7	100	N/A	4:00 AM	98.6	96.7	N/A	99.4	99.5	100	N/A	
	5:00 AM	96.9	96.8	N/A	100	98.2	100	N/A	5:00 AM	98.1	89.2	N/A	99.1	96.5	100	N/A	
	6:00 AM	92.3	90.2	N/A	97.8	86.6	100	N/A	6:00 AM	93.8	77	N/A	99.1	84.8	96.1	N/A	
	7:00 AM	86.7	76.8	N/A	96.4	72.2	57.8	N/A	7:00 AM	89.3	72.3	N/A	96.5	72.1	95.9	N/A	
	8:00 AM	82	74.8	N/A	97.1	66.7	99.8	N/A	8:00 AM	85.5	75.8	N/A	95	66.9	100	N/A	
	9:00 AM	77.5	78.4	N/A	98.2	61.8	100	N/A	9:00 AM	82.2	79.7	N/A	95.2	64.3	100	N/A	
	10:00 AM	76	80.7	N/A	98	64.5	100	N/A	10:00 AM	80.8	83.9	N/A	97.2	68.4	100	N/A	
	11:00 AM	78.9	79.4	N/A	98.5	72.8	100	N/A	11:00 AM	80.3	88.2	N/A	99.3	72.7	100	N/A	
	12:00 PM	81.8	78.2	N/A	97.3	80.9	100	N/A	12:00 PM	79.8	92.4	N/A	99.7	77.2	100	N/A	
	1:00 PM	84.8	77.3	N/A	98.5	89	100	N/A	1:00 PM	79.4	96.8	N/A	97.8	81.9	100	N/A	
	2:00 PM	87.7	76.3	N/A	99.3	96.9	100	N/A	2:00 PM	79.2	93.3	N/A	99.7	91.9	100	N/A	
	3:00 PM	90.7	75.6	N/A	99.7	93.2	100	N/A	3:00 PM	79	89.6	N/A	100	99.3	100	N/A	
	4:00 PM	93.6	75	N/A	98.9	89.6	100	N/A	4:00 PM	78.9	86.3	N/A	100	100	100	N/A	
	5:00 PM	96.5	74.2	N/A	100	85.7	100	N/A	5:00 PM	78.7	82.9	N/A	97	84.2	100	N/A	
	6:00 PM	95.3	75	N/A	98.2	80.7	100	N/A	6:00 PM	77.8	76.9	N/A	99.7	86.2	100	N/A	
	7:00 PM	90.4	78.4	N/A	97.3	73.9	96.1	N/A	7:00 PM	75.5	74.1	N/A	99.9	82.9	99	N/A	
	8:00 PM	85.7	82	N/A	98.6	68.9	100	N/A	8:00 PM	79.2	72.7	N/A	99.6	73.9	99.9	N/A	
	9:00 PM	81.5	85.7	N/A	97.5	65.1	100	N/A	9:00 PM	82.9	76.4	N/A	99.3	69.6	100	N/A	
	10:00 PM	77.8	89.7	N/A	98.8	62.7	100	N/A	10:00 PM	86.8	80.3	N/A	99.6	67.5	100	N/A	
Day 2	11:00 PM	75.6	92.7	N/A	99.9	61.3	100	N/A	11:00 PM	90.6	84.3	N/A	98.8	70.6	100	N/A	
	12:00 AM	78.6	83.3	N/A	98.2	70.4	100	N/A	12:00 AM	94.5	88.4	N/A	100	74.6	100	N/A	
	1:00 AM	81.8	75	N/A	100	79.9	100	N/A	1:00 AM	98.4	92.6	N/A	93.9	78.4	100	N/A	
	2:00 AM	84.9	73.9	N/A	99.9	89.8	100	N/A	2:00 AM	99.9	97.1	N/A	99.9	89.6	100	N/A	
	3:00 AM	88	78.1	N/A	100	97.6	100	N/A	3:00 AM	99.6	98.6	N/A	100	99.1	100	N/A	
	4:00 AM	91.1	82.5	N/A	100	97	100	N/A	4:00 AM	100	99.6	N/A	98.9	92	100	N/A	
	5:00 AM	94.1	86.6	N/A	98	93.3	100	N/A	5:00 AM	98.5	90.3	N/A	99.6	94.9	100	N/A	
	6:00 AM	89.4	75.6	N/A	97.2	81.7	88.6	N/A	6:00 AM	94.2	78.2	N/A	99.2	84.9	95.2	N/A	
	7:00 AM	84.2	65.2	N/A	96.3	68.8	98.3	N/A	7:00 AM	89.8	73.6	N/A	96.6	72.2	92	N/A	
	8:00 AM	79.4	68.7	N/A	95.9	62.8	94.5	N/A	8:00 AM	85.9	77.1	N/A	95.1	67.1	100	N/A	
	9:00 AM	75.1	72.4	N/A	97.2	64.7	100	N/A	9:00 AM	82.7	81	N/A	96	64.3	100	N/A	
	10:00 AM	77.7	75.7	N/A	97.7	71.8	78.6	N/A	10:00 AM	81	85.2	N/A	98	68.5	100	N/A	
	11:00 AM	80.6	79.3	N/A	98.8	79.4	100	N/A	11:00 AM	80.4	89.4	N/A	99.6	72.8	100	N/A	
	12:00 PM	83.4	82.9	N/A	100	86.8	100	N/A	12:00 PM	79.9	93.6	N/A	97.4	77.3	100	N/A	
	1:00 PM	86.3	86.6	N/A	93.5	94.5	100	N/A	1:00 PM	79.6	96.1	N/A	99.8	83.2	100	N/A	
	2:00 PM	89.1	90.1	N/A	98.8	93	100	N/A	2:00 PM	79.3	92.2	N/A	96.5	93.5	100	N/A	
	3:00 PM	92	93.7	N/A	98.9	87.6	100	N/A	3:00 PM	79.1	88.5	N/A	100	99.9	100	N/A	
	4:00 PM	94.9	96	N/A	100	83.2	100	N/A	4:00 PM	79	85.2	N/A	100	100	100	N/A	
	5:00 PM	97.9	87.1	N/A	100	81.1	100	N/A	5:00 PM	78.9	82.1	N/A	96.7	82.5	100	N/A	
	6:00 PM	97.9	77.8	N/A	99.8	77.9	100	N/A	6:00 PM	78.1	75.4	N/A	99.6	84.6	100	N/A	
	7:00 PM	93.3	73.2	N/A	99.1	71.9	100	N/A	7:00 PM	75.1	74.7	N/A	99.9	80.9	99.6	N/A	
	8:00 PM	88.5	76	N/A	99.6	66.4	100	N/A	8:00 PM	76.3	73.4	N/A	99.7	74.6	100	N/A	
	9:00 PM	84.3	75.1	N/A	95.7	63.1	100	N/A	9:00 PM	77.6	72.8	N/A	100	72.4	100	N/A	
	10:00 PM	80.6	74.5	N/A	99.8	61.2	100	N/A	10:00 PM	79.1	76.8	N/A	96.3	75	100	N/A	
Day 3	11:00 PM	77.1	73	N/A	99.9	66.7	100	N/A	11:00 PM	80.7	81	N/A	98.3	78.8	100	N/A	
	12:00 AM	76.1	76.8	N/A	99.8	73.1	99.6	N/A	12:00 AM	82.4	85.4	N/A	100	83.2	100	N/A	
	1:00 AM	79.1	80.7	N/A	99.5	75.3	100	N/A	1:00 AM	84.2	89.9	N/A	97	88.1	100	N/A	
	2:00 AM	82.3	85	N/A	100	79.3	100	N/A	2:00 AM	86.3	94.8	N/A	99.9	98.1	100	N/A	
	3:00 AM	85.4	89.1	N/A	100	82.5	100	N/A	3:00 AM	88.3	97.5	N/A	100	99.9	100	N/A	
	4:00 AM	88.6	93.5	N/A	100	86.6	100	N/A	4:00 AM	90.4	98.2	N/A	98.6	90	100	N/A	
	5:00 AM	91.3	96.4	N/A	98.2	87.5	99.5	N/A	5:00 AM	90.6	87.7	N/A	99.9	96.2	100	N/A	
	6:00 AM	86.5	84.8	N/A	98.5	80.3	96.1	N/A	6:00 AM	86.5	75.6	N/A	99.3	85.5	93.6	N/A	
	7:00 AM	81.3	72.4	N/A	97.2	69.8	94.9	N/A	7:00 AM	82.3	67.7	N/A	96.9	72.8	100	N/A	
	8:00 AM	76.6	70.6	N/A	97.6	63.6	88.9	N/A	8:00 AM	78.5	71.2	N/A	95.5	67.6	98.5	N/A	
	9:00 AM	76.7	74	N/A	97.4	63.3	98.5	N/A	9:00 AM	76.7	75.1	N/A	95.9	64.7	100	N/A	
	10:00 AM	79.5	73	N/A	98.7	71	100	N/A	10:00 AM	76.1	79.2	N/A	97.7	68.5	100	N/A	
	11:00 AM	82.4	76.6	N/A	99.8	78.7	100	N/A	11:00 AM	75.6	83.5	N/A	99.9	72.8	100	N/A	
	12:00 PM	85.2	80.3	N/A	94.2	85.8	100	N/A	12:00 PM	75.2	87.8	N/A	97.7	77.2	100	N/A	
	1:00 PM	88.1	84.1	N/A	98.1	87.4	100	N/A	1:00 PM	76.7	92	N/A	99.8	81.2	100	N/A	
	2:00 PM	91.1	87.9	N/A	97.4	88.9	100	N/A	2:00 PM	80.7	96	N/A	100	84.3	100	N/A	
	3:00 PM	93.9	91.6	N/A	98.1	90.1	100	N/A	3:00 PM	84.7	91.2	N/A	96.2	88.9	100	N/A	
	4:00 PM	96.8	95.4	N/A	97.5	91.5	100	N/A	4:00 PM	88.7	84	N/A	100	93.8	100	N/A	
	5:00 PM	99.7	91.5	N/A	99.3	93.4	100	N/A	5:00 PM	92.7	76.6	N/A	100	97.8	100	N/A	
	6:00 PM	98.1	82.4	N/A	100	90.3	100	N/A	6:00 PM	96.4	74.5	N/A	100	93.1	99.9	N/A	
	7:00 PM	93.8	72.7	N/A	99.7	85.8	100	N/A	7:00 PM	97.8	78	N/A	99.2	86.9	100	N/A	
	8:00 PM	89.2	76.3	N/A	94.3	75.4	100	N/A	8:00 PM	94.2	81.8	N/A	99.2	83	100	N/A	
	9:00 PM	85.1	73.9	N/A	99.6	72.2	100	N/A	9:00 PM	91.1	85.8	N/A	99.9	81.6	100	N/A	

Table F- 17. Tank Curves for SSA – Phase 2, Max Day

SSA Storage Tank Curves - Phase 2, Max Day								
	Dwight Road	Big horn	Whitelock	Poppy Ridge	Franklin	Lakeside	Sheldon	
Time	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	% Full (%)	
Day 1	12:00 AM	93.8	97	97	97	97	97.5	97
	1:00 AM	90.1	100	100	98.9	100	100	97
	2:00 AM	86.9	100	100	99.2	100	100	97
	3:00 AM	83.8	100	100	98.7	100	100	97
	4:00 AM	80.4	100	100	98.7	100	100	97
	5:00 AM	76.1	97.6	99.2	95.4	96.9	100	96.8
	6:00 AM	73.1	99.2	98.7	96.5	87.7	89.1	96.8
	7:00 AM	69.8	95.7	97.5	93.3	72	86.6	96.8
	8:00 AM	73.6	97.5	99.4	93.4	67.2	99.6	96.8
	9:00 AM	77.4	97.5	97.6	95.5	65.9	100	96.8
	10:00 AM	81.3	99.7	99.4	99.1	70	100	96.8
	11:00 AM	77.4	100	100	97.5	92.4	100	96.8
	12:00 PM	73.8	100	100	96.1	100	100	96.8
	1:00 PM	70.6	100	100	95.1	100	100	96.8
	2:00 PM	67.4	100	100	94.2	100	100	96.8
	3:00 PM	66.4	100	100	92	100	100	96.8
	4:00 PM	63.5	100	100	91.1	100	100	96.8
	5:00 PM	60.6	100	100	89.8	100	100	96.8
	6:00 PM	60.8	95.6	100	86.4	90.9	95.8	96.8
	7:00 PM	64.4	99.7	99	85.4	97.5	93	96.8
	8:00 PM	68.1	99.7	98.7	85.7	97.3	99.8	96.8
	9:00 PM	70.6	100	98	83.7	100	75.9	96.8
	10:00 PM	71.7	100	98.9	83	100	100	96.8
Day 2	11:00 PM	68.4	100	100	80.8	100	100	96.8
	12:00 AM	65.3	100	100	80.3	100	100	96.8
	1:00 AM	65.4	100	100	79.6	100	100	96.8
	2:00 AM	66.7	100	100	81	100	100	96.8
	3:00 AM	68	100	100	82	100	100	96.8
	4:00 AM	67.1	100	100	82	100	100	96.8
	5:00 AM	63.3	96.7	99.2	78.6	91	100	96.8
	6:00 AM	62.7	98.3	88.2	78.5	87.4	100	96.8
	7:00 AM	57.6	93.8	86.7	75.2	69.9	100	96.8
	8:00 AM	60	94.3	88.2	74.7	63.9	100	96.8
	9:00 AM	63.9	97.4	91.2	76.9	62.1	100	96.8
	10:00 AM	67.7	99.4	93.5	79.8	84.5	100	96.8
	11:00 AM	70.2	100	94	80.4	100	100	96.8
	12:00 PM	71.5	100	95.6	81.5	100	100	96.8
	1:00 PM	75.2	100	96.7	82.3	100	100	96.8
	2:00 PM	79	100	98.1	83.3	100	100	96.8
	3:00 PM	79.5	100	99.5	85.4	100	100	96.8
	4:00 PM	77.1	100	100	90	100	100	96.8
	5:00 PM	75.1	100	97.9	94.3	100	100	96.8
	6:00 PM	72.5	100	98.9	93.7	100	100	96.8
	7:00 PM	72.3	83.7	97.8	92.8	98.2	100	96.8
	8:00 PM	68.6	84.9	98.9	91.8	100	100	96.8
	9:00 PM	69.8	85.9	100	90.9	100	100	96.8
	10:00 PM	73.6	89.1	98.3	93.8	100	100	96.8
Day 3	11:00 PM	77.5	97.6	91.9	96.7	100	100	96.8
	12:00 AM	81.4	99.8	99.6	99.7	100	100	96.8
	1:00 AM	78.4	100	100	100	100	100	96.8
	2:00 AM	77.3	100	100	95.4	100	100	96.8
	3:00 AM	75.3	100	100	97.9	100	100	96.8
	4:00 AM	73.7	100	100	97.6	100	100	96.8
	5:00 AM	69.4	99.2	100	94.2	95.2	100	96.8
	6:00 AM	69.6	85.9	93.1	93.8	86.4	100	96.8
	7:00 AM	64.5	82.3	91.7	90.5	69.4	100	96.8
	8:00 AM	64.2	84.8	93.9	90.4	64.9	100	96.8
	9:00 AM	68	88.4	96.7	92	61.7	100	96.8
	10:00 AM	72	93.4	99	95.4	65.4	100	96.8
	11:00 AM	68.6	100	100	93.1	87.8	100	96.8
	12:00 PM	65.3	100	100	91.2	100	100	96.8
	1:00 PM	62.6	100	100	90	100	100	96.8
	2:00 PM	61.5	100	100	87.6	100	100	96.8
	3:00 PM	60.5	100	100	85.3	100	100	96.8
	4:00 PM	57.6	100	100	84.7	100	100	96.8
	5:00 PM	54.7	100	100	83.3	100	100	96.8
	6:00 PM	54.3	99.5	100	80.5	100	100	96.8
	7:00 PM	57.6	99.5	97.7	81	86.1	100	96.8
	8:00 PM	58.6	98.5	98	81.4	91.9	100	96.8
	9:00 PM	61.6	97.6	98.4	81.4	100	100	96.8

Figure 1. Pressure Curves for NSA – Buildout, Max Day

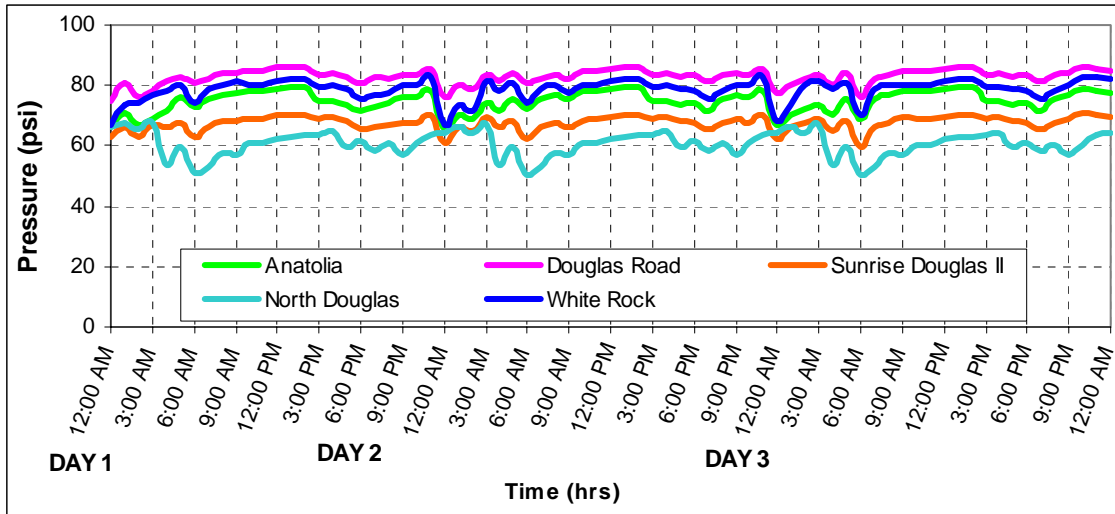


Figure 2. Pressure Curves for NSA – Buildout, Average Day

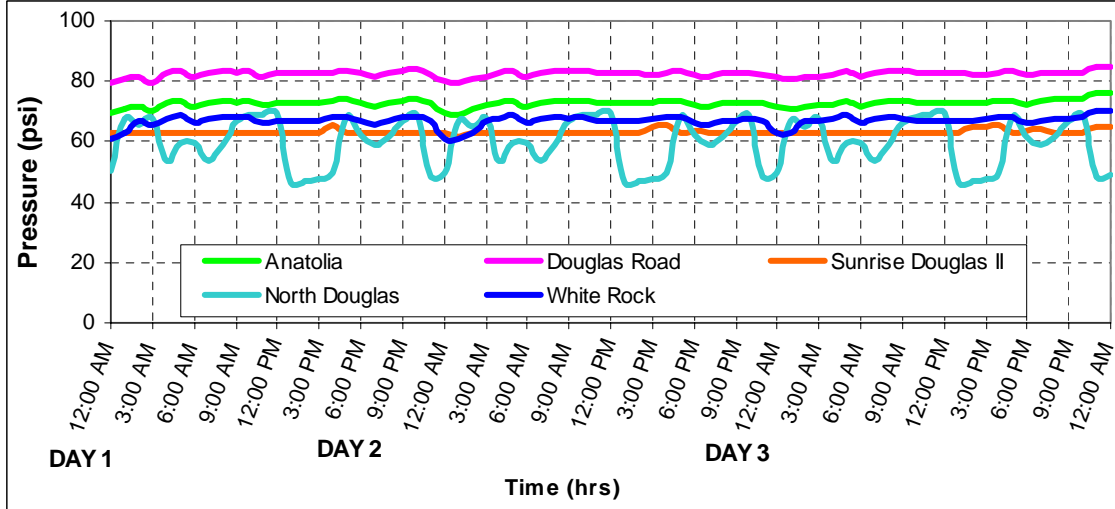


Figure 3. Pressure Curves for NSA – Pre-Phase1, Max Day

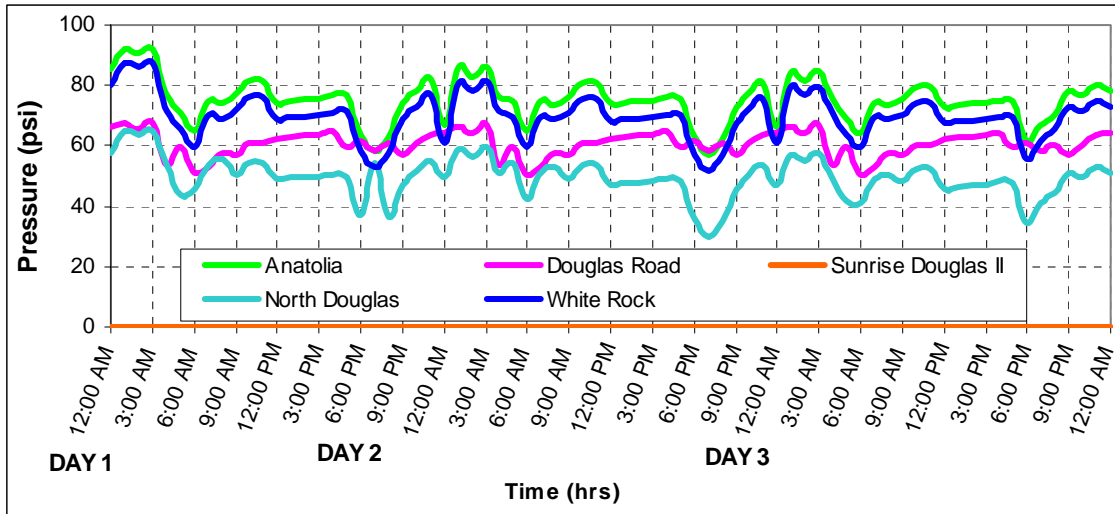


Figure 4. Pressure Curves for NSA – Phase1, Max Day

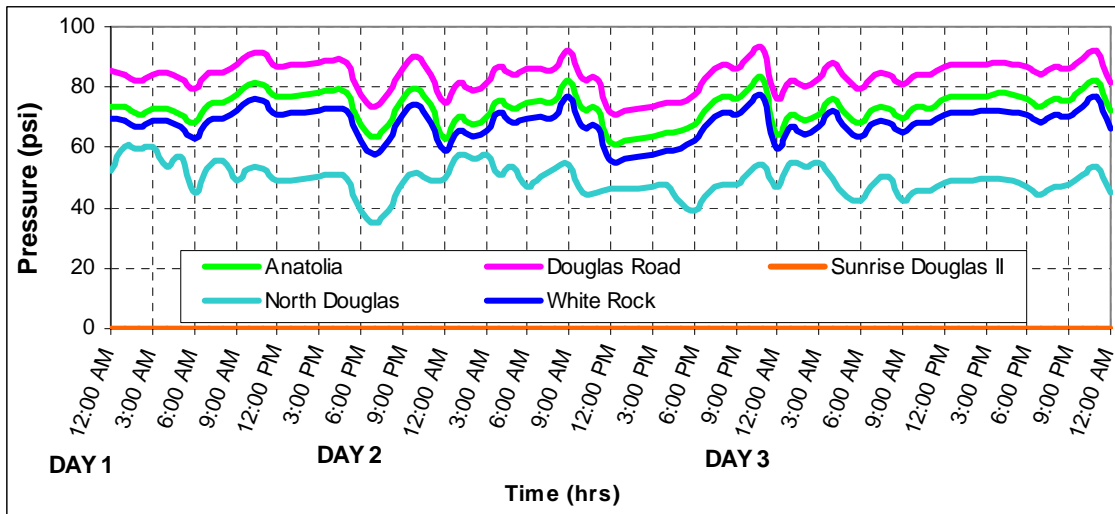


Figure 5. Pressure Curves for NSA – Phase 2, Max Day

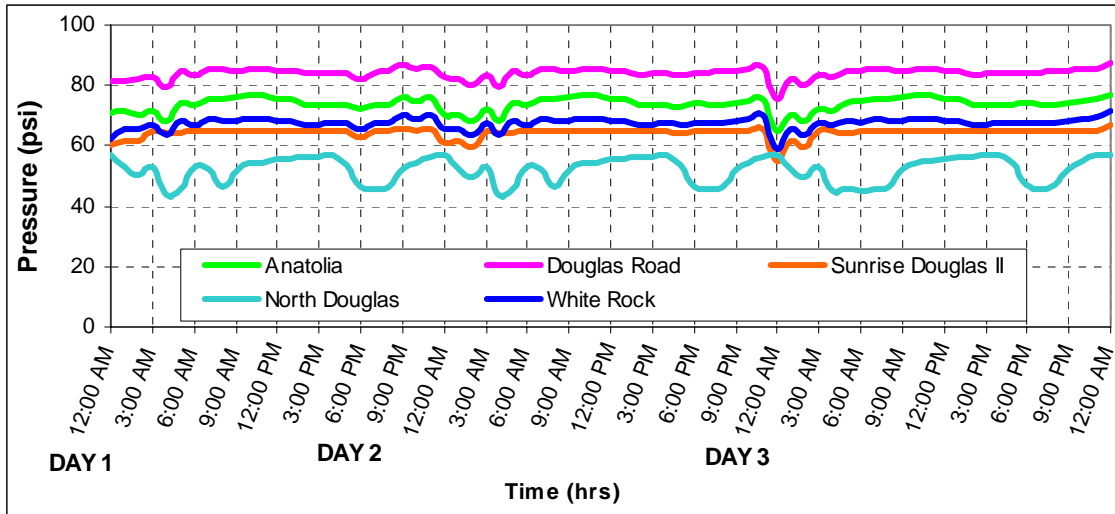


Figure 6. Pressure Curves for CSA – Buildout, Max Day, Dry Year

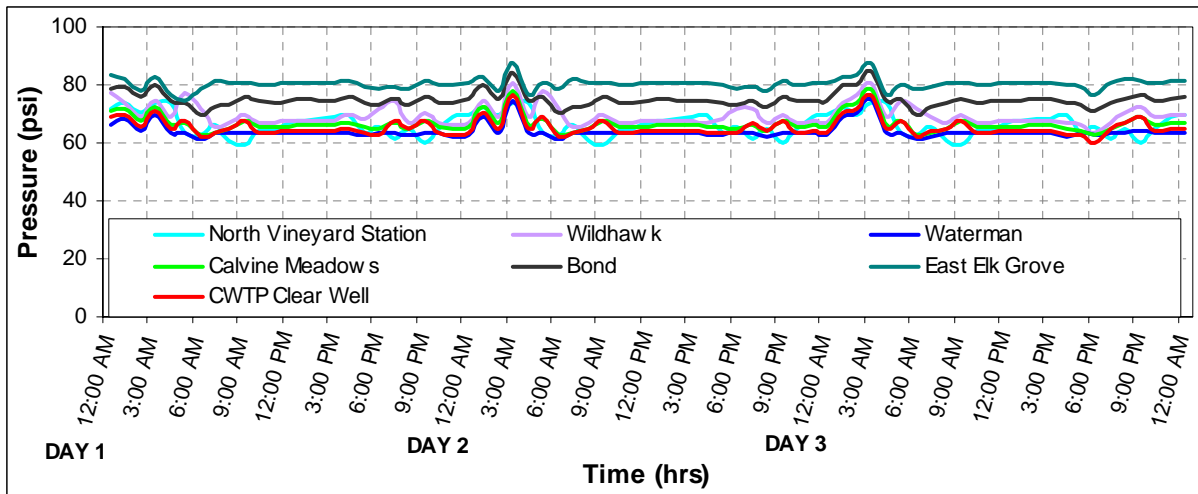


Figure 7. Pressure Curves for CSA – Buildout, Max Day, Wet Year

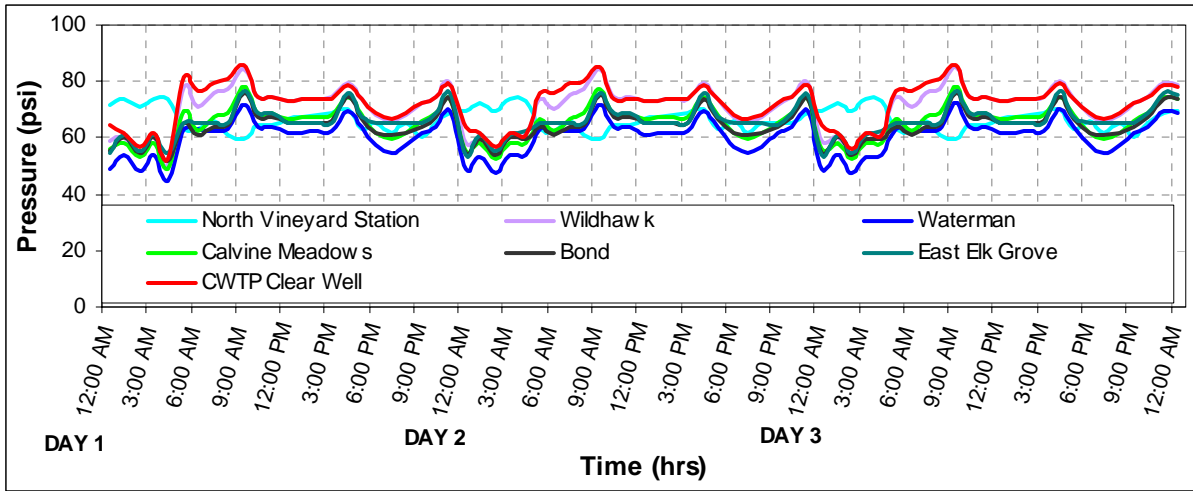


Figure 8. Pressure Curves for CSA – Buildout, Average Day, Wet Year

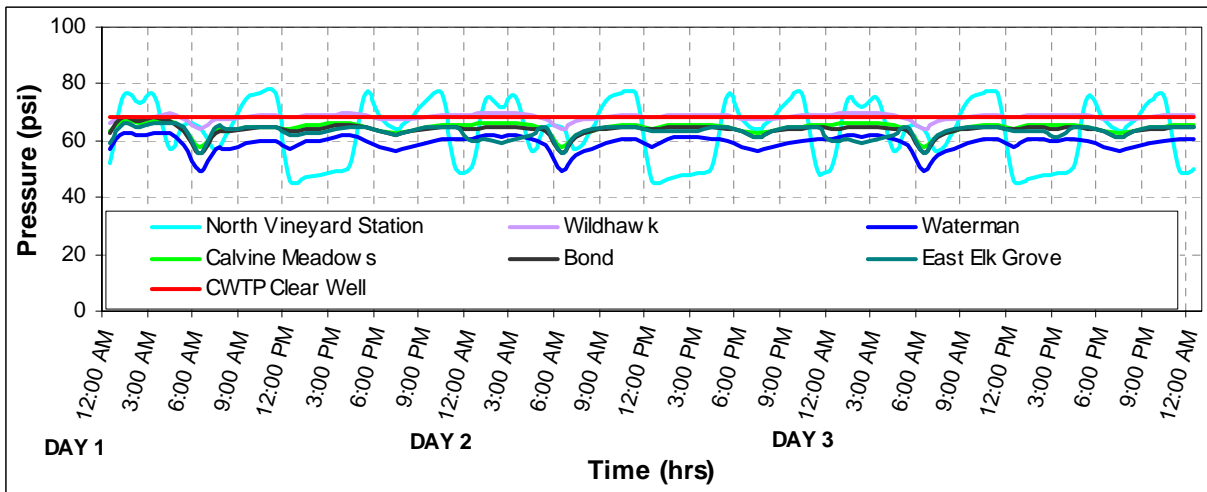


Figure 9. Pressure Curves for CSA – Pre-Phase 1, Max Day

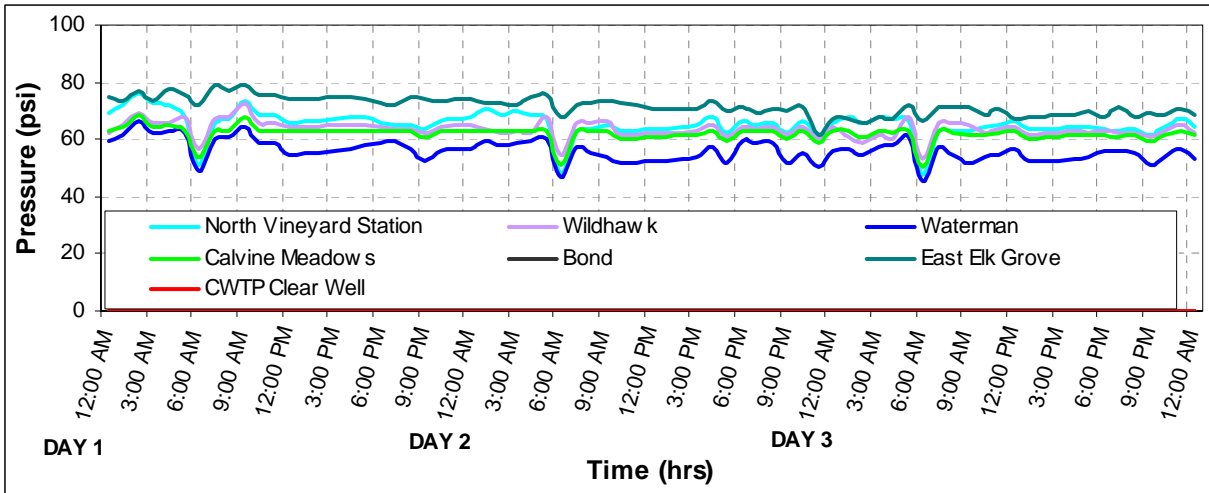


Figure 10. Pressure Curves for CSA – Phase 1, Max Day

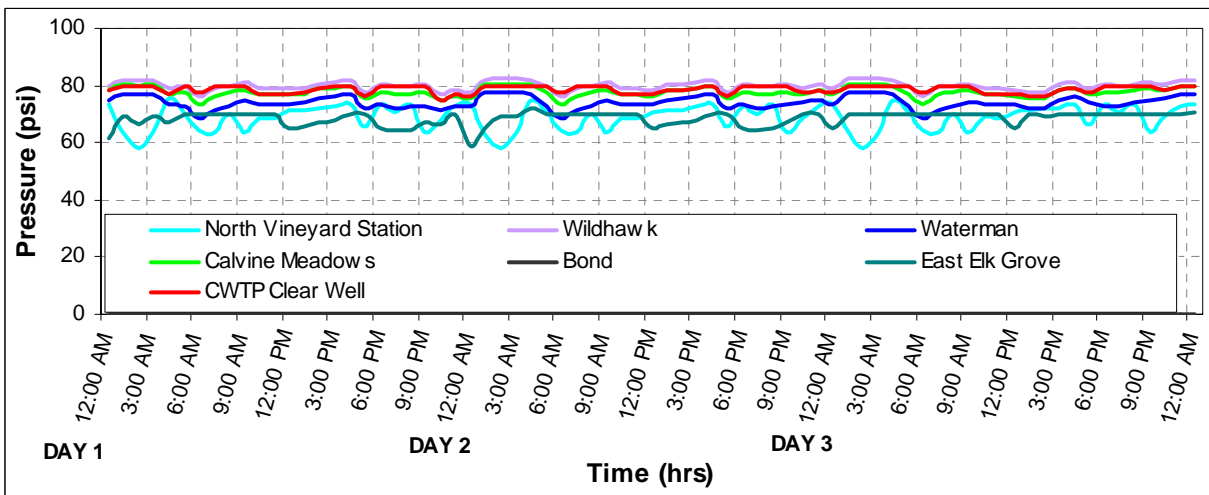


Figure 11. Pressure Curves for CSA – Phase 2, Max Day

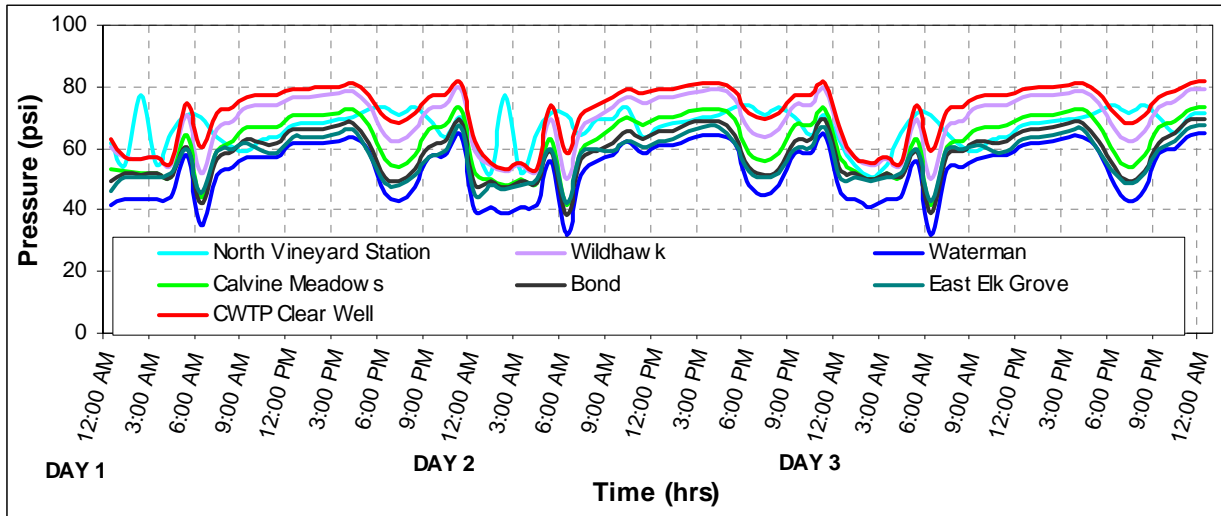


Figure 12. Pressure Curves for SSA – Buildout, Max Day

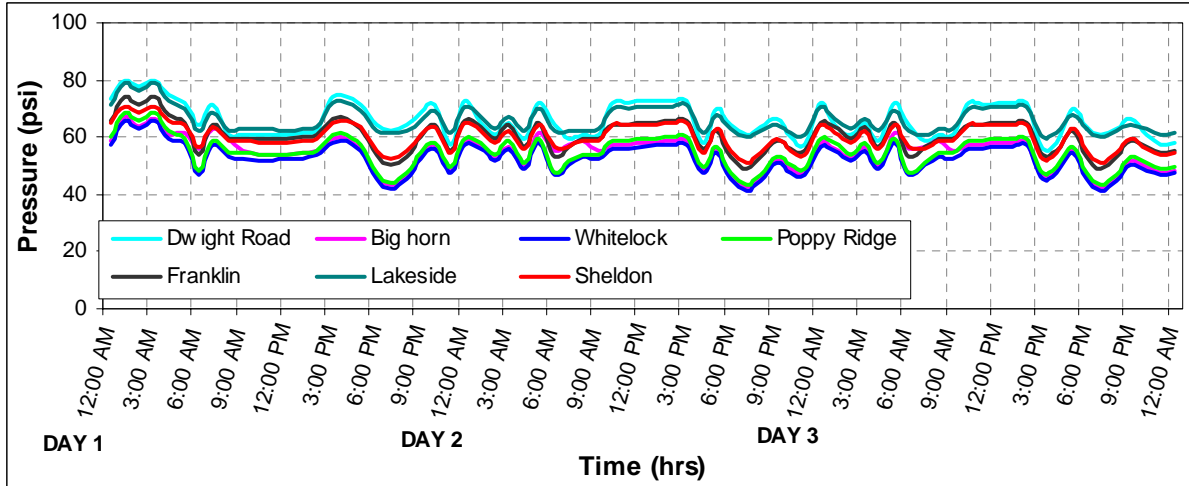


Figure 13. Pressure Curves for SSA – Buildout, Average Day

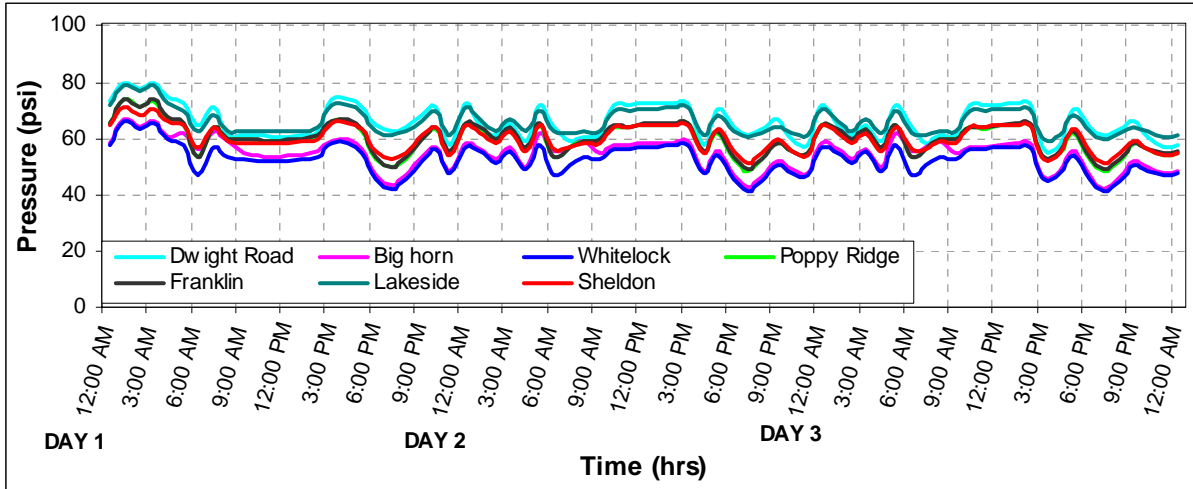


Figure 14. Pressure Curves for SSA – Pre-Phase 1, Max Day

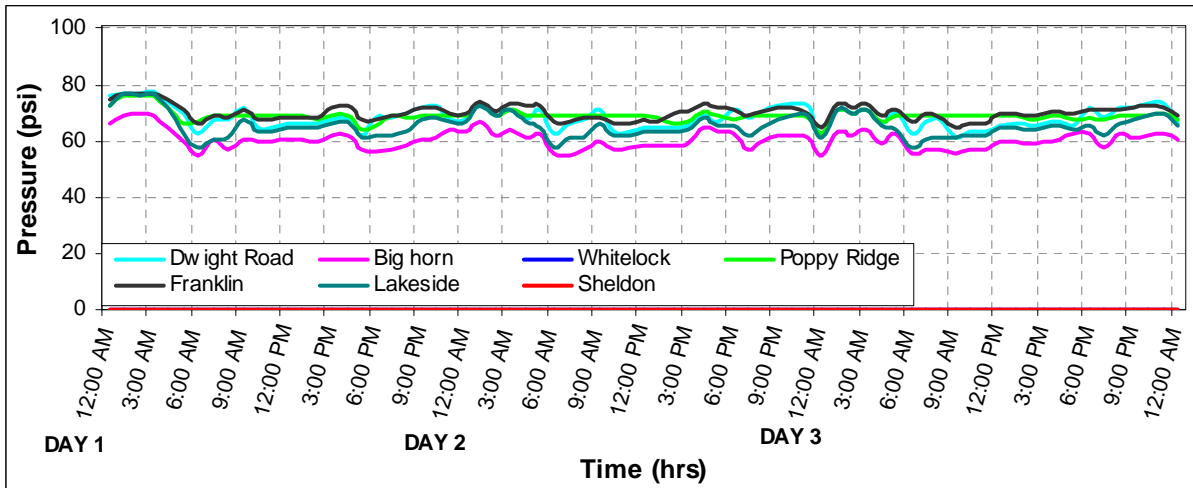


Figure 15. Pressure Curves for SSA – Phase 1, Max Day

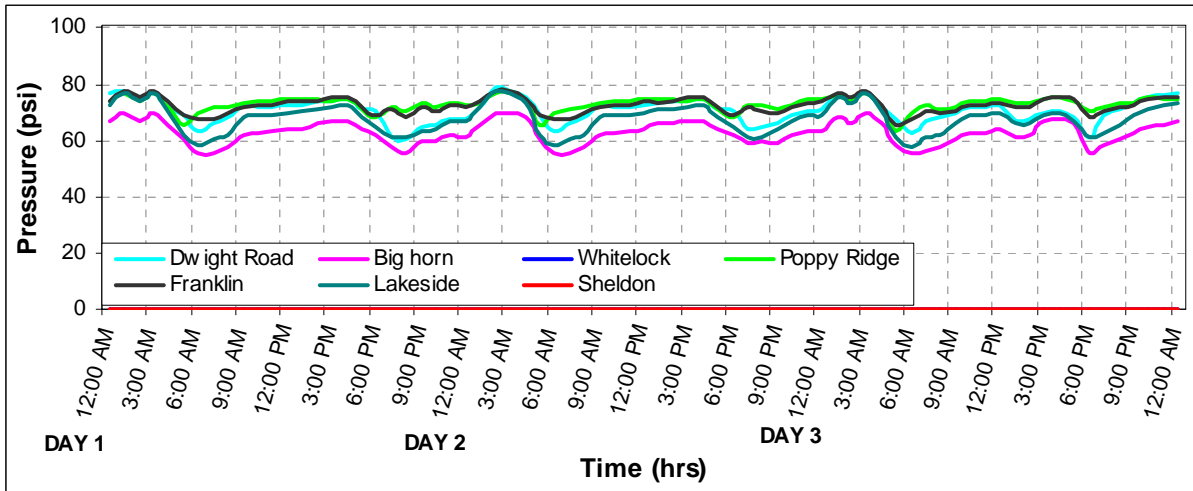


Figure 16. Pressure Curves for SSA – Phase 2, Max Day

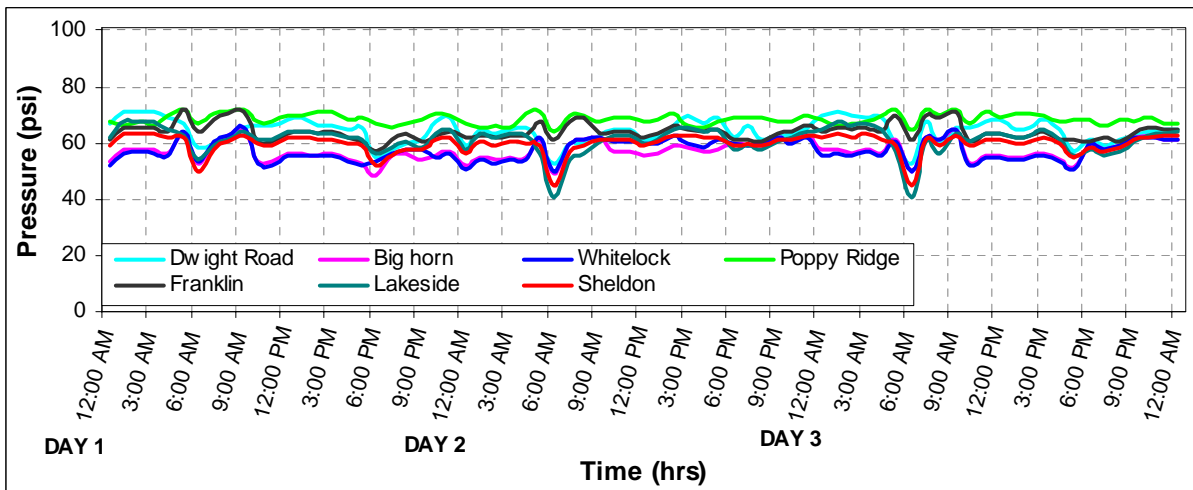


Figure 17. Tank Curves for NSA – Buildout, Max Day

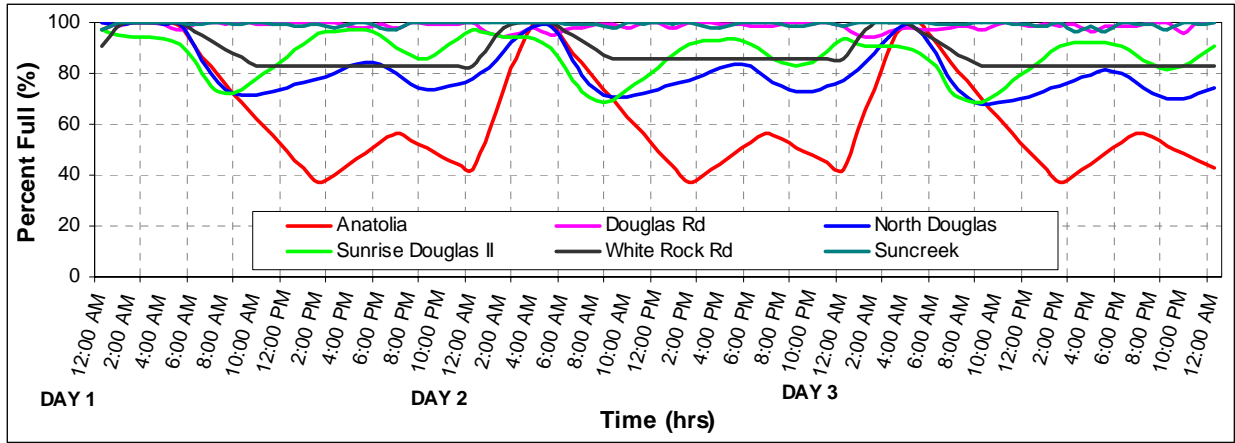


Figure 18. Tank Curves for NSA – Buildout, Average Day

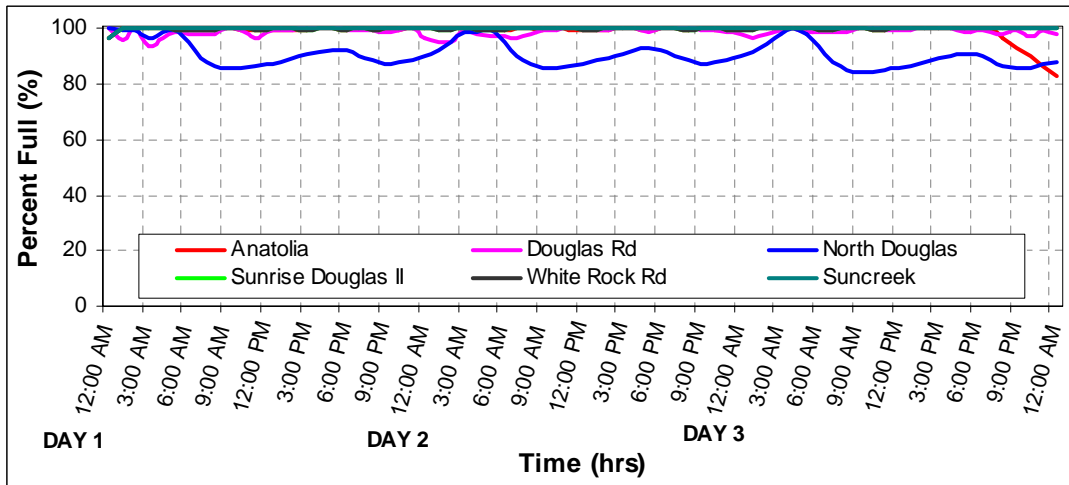


Figure 19. Tank Curves for NSA – Pre-Phase 1, Max Day

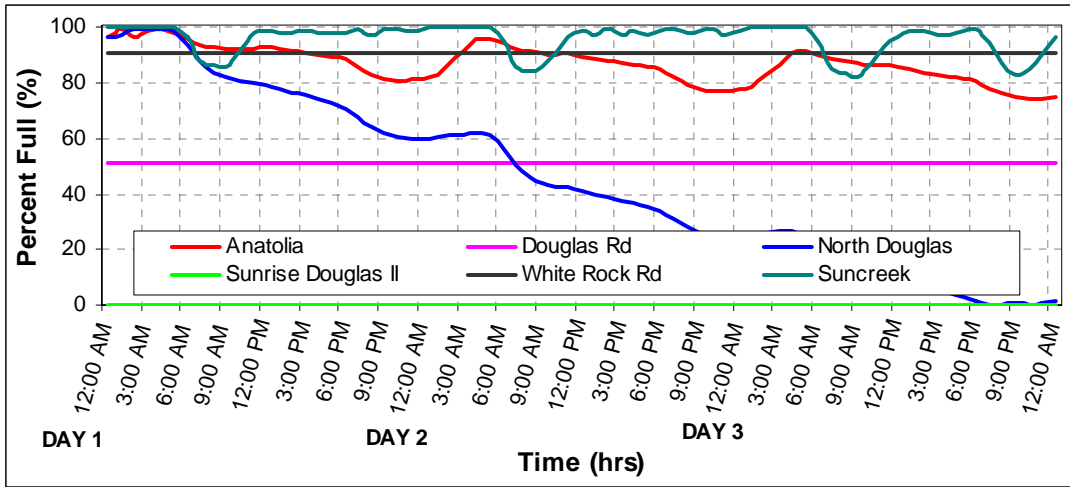


Figure 20. Tank Curves for NSA –Phase 1, Max Day

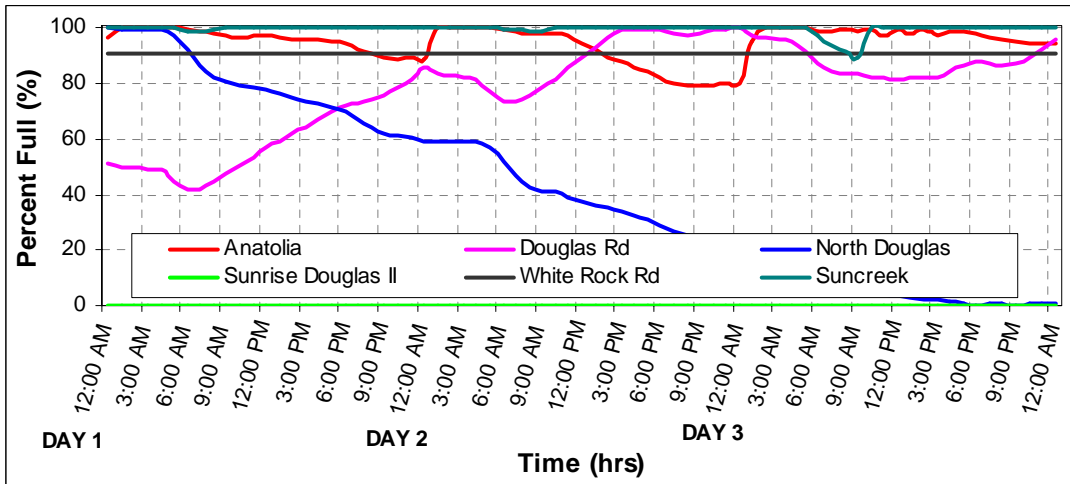


Figure 21. Tank Curves for NSA –Phase 2, Max Day

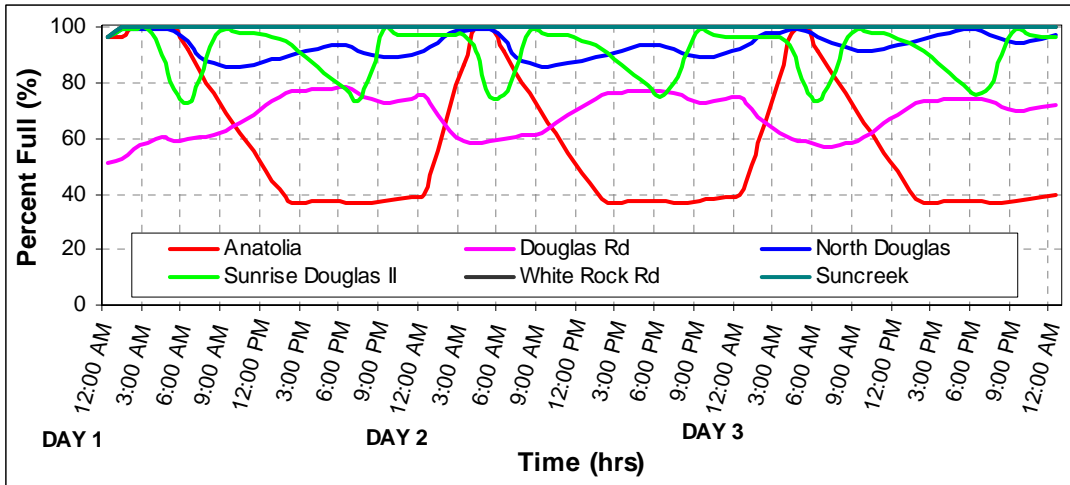


Figure 22. Tank Curves for CSA –Buildout, Max Day, Dry Year

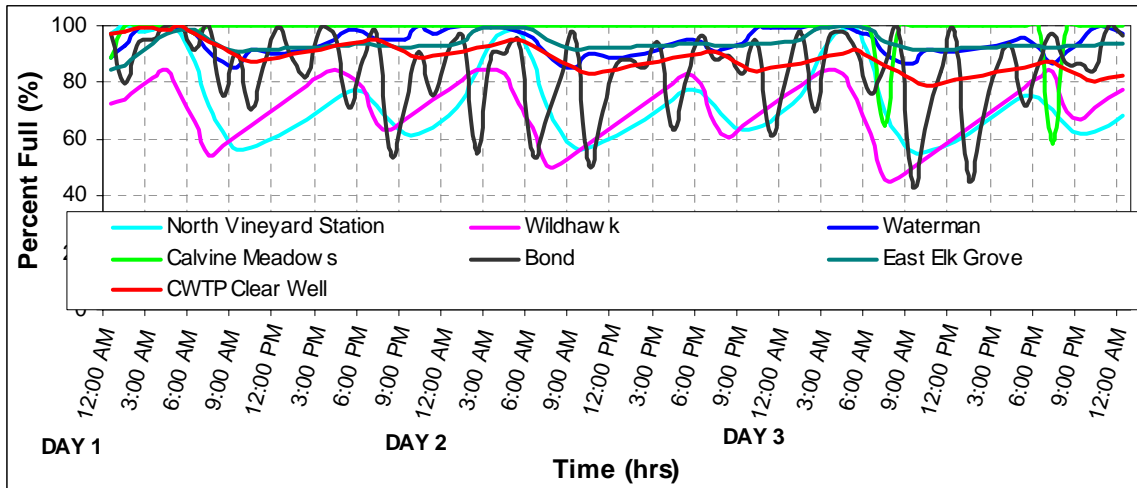


Figure 23. Tank Curves for CSA –Buildout, Max Day, Wet Year

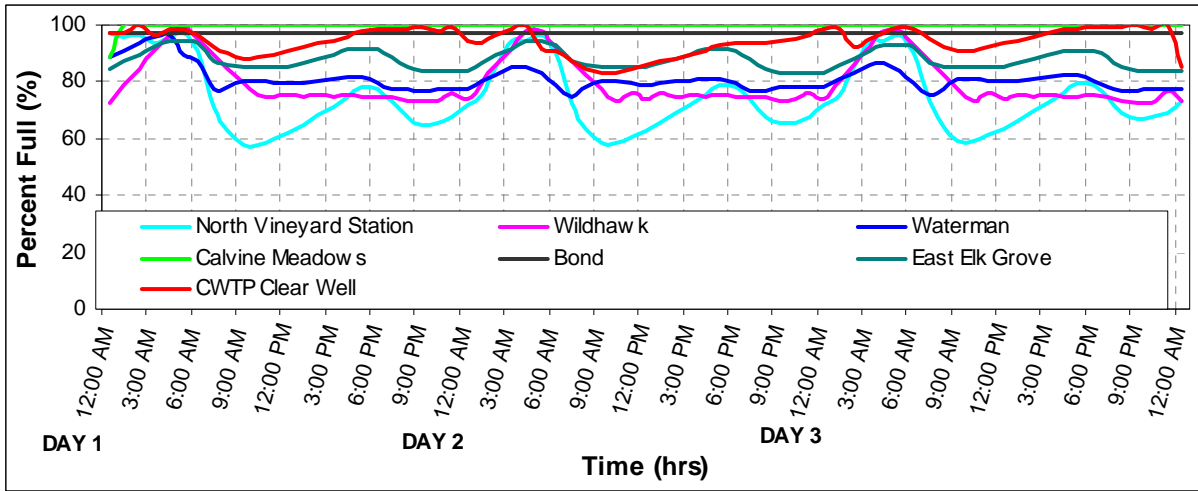


Figure 24. Tank Curves for CSA –Buildout, Average Day, Wet Year

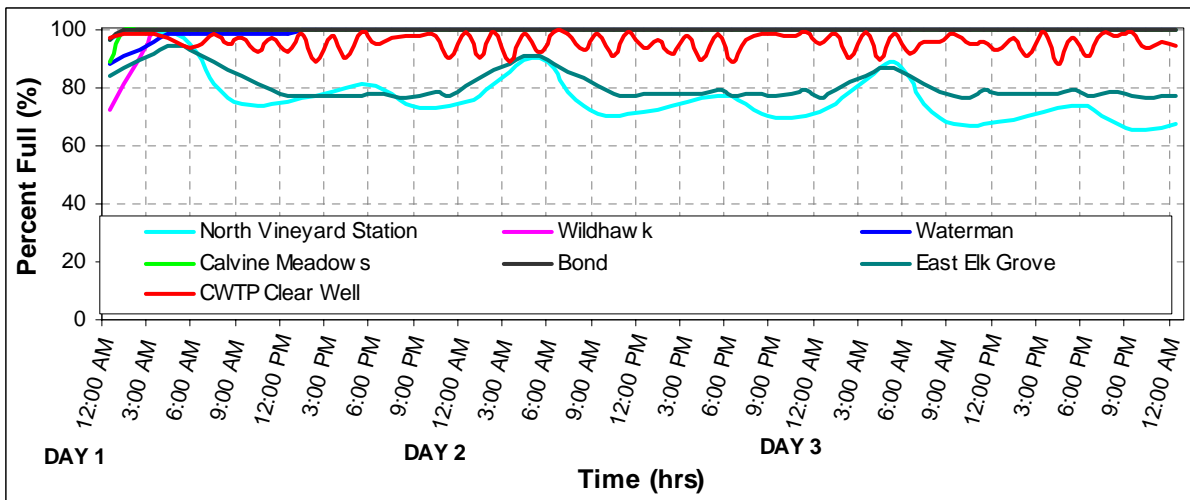


Figure 25. Tank Curves for CSA – Pre-Phase 1, Max Day

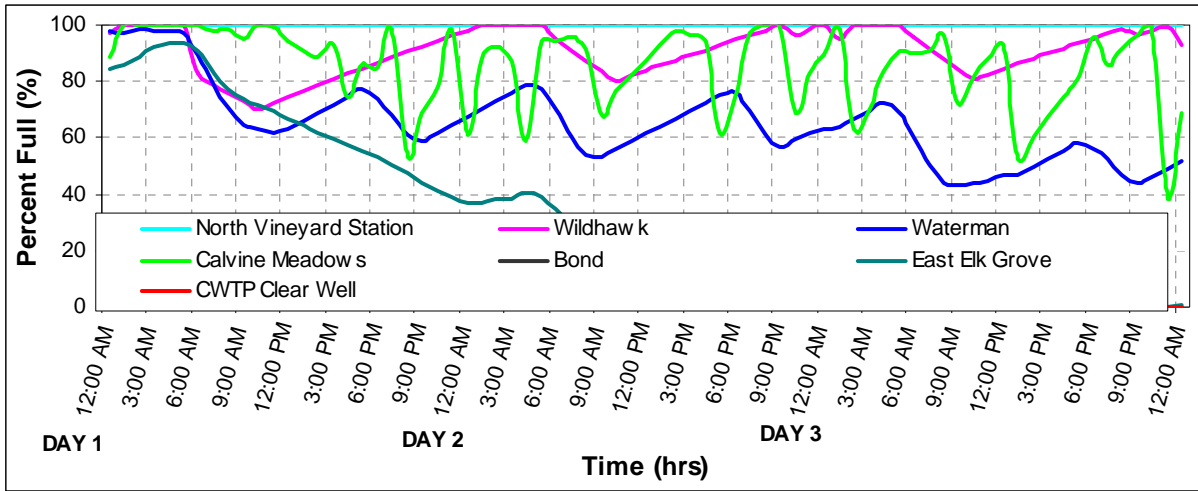


Figure 26. Tank Curves for CSA – Phase 1, Max Day

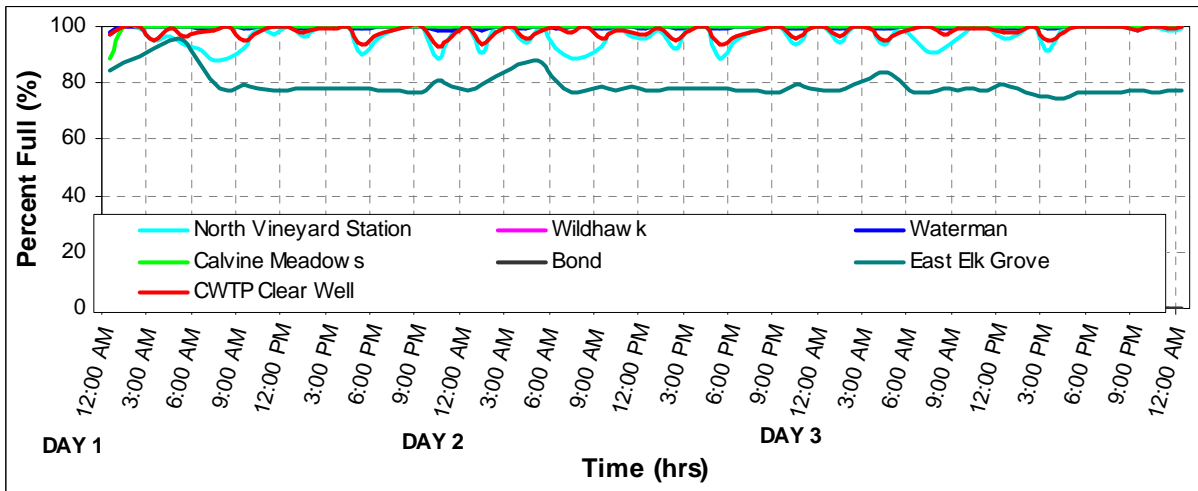


Figure 27. Tank Curves for CSA – Phase 2, Max Day

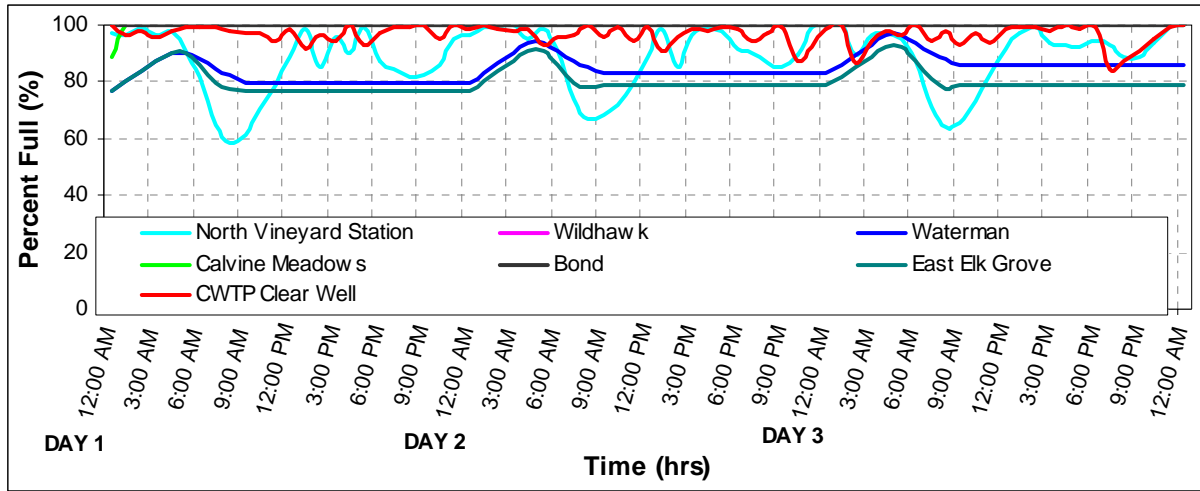


Figure 28. Tank Curves for SSA – Buildout, Max Day

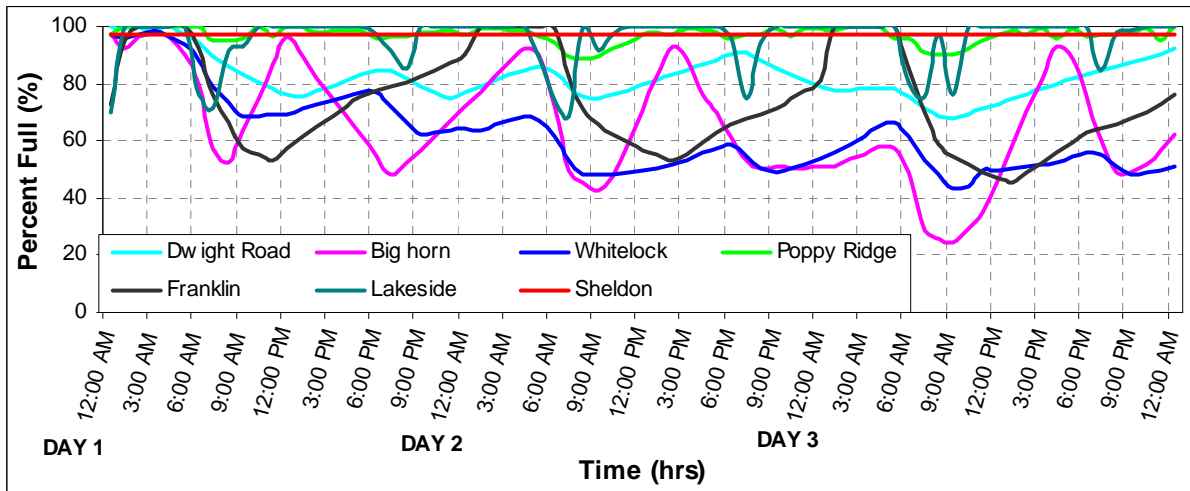


Figure 29. Tank Curves for SSA – Buildout, Average Day

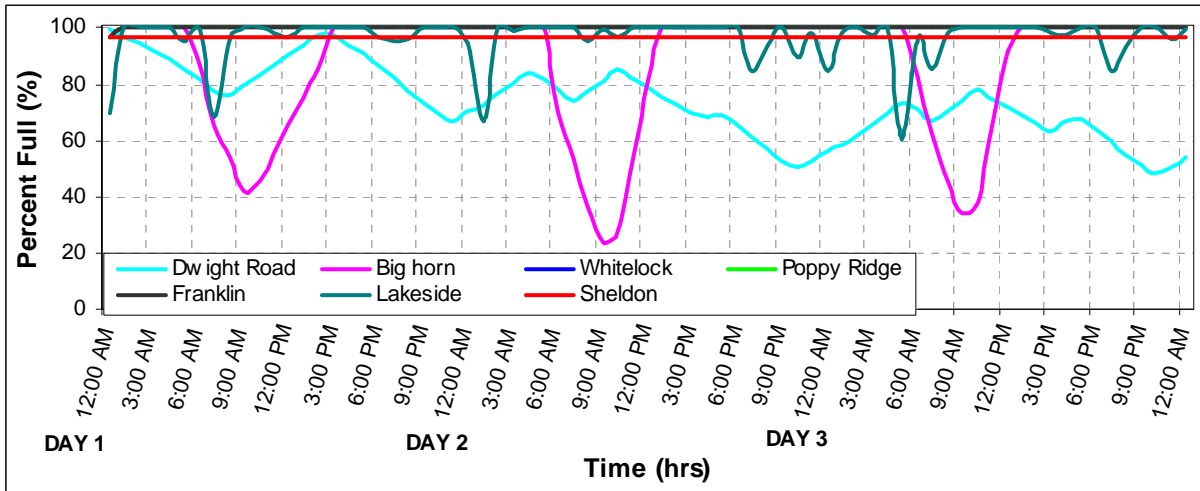


Figure 30. Tank Curves for SSA – Pre-Phase 1, Average Day

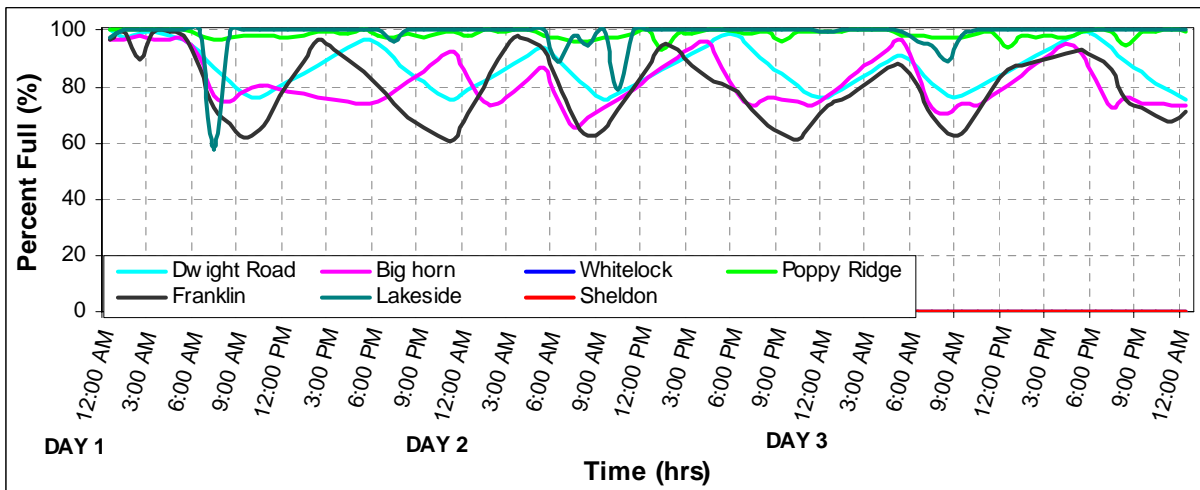


Figure 31. Tank Curves for SSA – Phase 1, Max Day

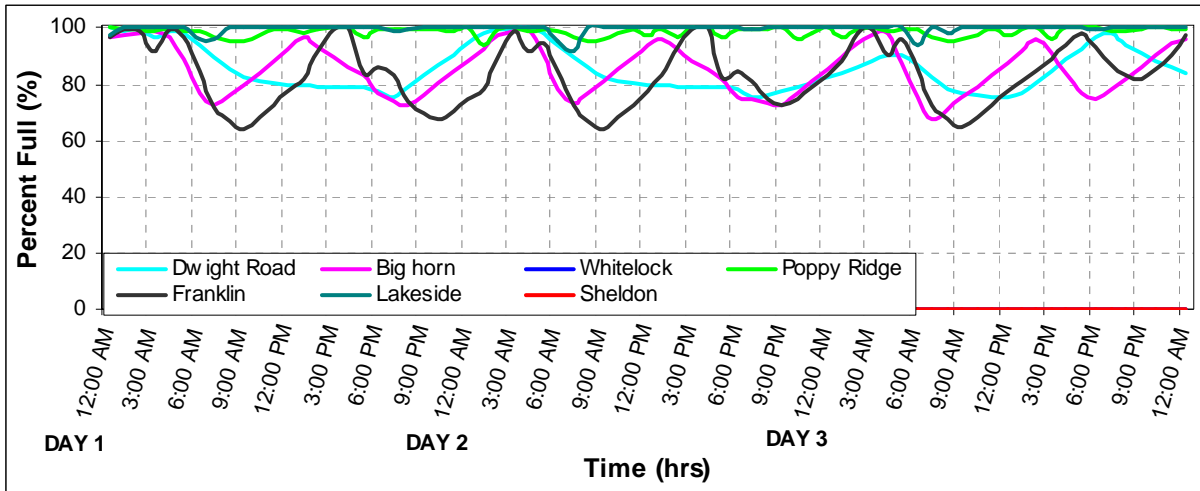


Figure 32. Tank Curves for SSA – Phase 2, Max Day

