APPENDIX A: CAPACITY ASSESSMENT TABLES

Table A1. Capacity in the North Lake City Trunk (Flow in mgd)

North Lake City Trunk						Peak 20-Year Flow		Available Capacity	
U/S STA	From MH	To MH	Length (ft)	Diameter (in)	Capacity (mgd)	2000	2050	2000	2050
0	NWW8-27	NWW8-26	435	30	12.9	10.4	12.4	2.5	0.5
435	NWW8-26	NWW8-25	36	34	51.4	10.4	12.4	41.0	39.0
471	NWW8-25	NWW8-24	363	34	58.2	10.4	12.4	47.8	45.7
834	NWW8-24	NWW8-23	91	34	28.9	10.4	12.4	18.4	16.4
925	NWW8-23	NWW8-22	349	30	32.5	10.4	12.4	22.1	20.1
1,274	NWW8-22	NWW8-21	316	30	19.4	10.4	12.4	9.0	7.0
1,590	NWW8-21	NWW8-20	287	30	19.5	10.4	12.4	9.1	7.0
1,877	NWW8-20	NWW8-19	289	30	30.7	11.1	13.3	19.6	17.4
2,166	NWW8-19	NWW8-18	300	30	21.3	11.1	13.3	10.1	8.0
2,466	NWW8-18	NWW8-17	348	30	31.8	11.1	13.3	20.7	18.5
2,814	NWW8-17	NWW8-16	300	30	19.4	11.1	13.3	8.3	6.1
3,114	NWW8-16	NWW8-15	251	30	39.9	11.1	13.3	28.8	26.6
3,365	NWW8-15	NWW8-14	223	30	19.6	11.1	13.3	8.4	6.3
3,588	NWW8-14	NWW8-13	267	30	19.5	11.1	13.3	8.3	6.1
3,855	NWW8-13	NWW8-12	264	30	19.5	11.5	13.8	8.0	5.7
4,119	NWW8-12	NWW8-11	278	30	19.5	11.5	13.8	7.9	5.7
4,397	NWW8-11	NWW8-10	124	30	51.2	11.5	13.8	39.7	37.4
4,521	NWW8-10	NWW8-09	131	30	20.0	11.5	13.8	8.5	6.2
4,652	NWW8-09	NWW8-08	99	30	27.5	11.6	13.9	15.9	13.6
4,751	NWW8-08	NWW8-07	177	30	27.3	11.6	13.9	15.7	13.4
4,928	NWW8-07	NWW8-06	120	30	21.2	12.1	14.5	9.0	6.7
5,048	NWW8-06	NWW8-05	297	30	21.1	12.1	14.5	9.0	6.7
5,345	NWW8-05	NWW8-04	175	30	21.5	12.1	14.5	9.4	7.1
5,520	NWW8-04	NWW8-03	209	30	19.7	12.2	14.6	7.5	5.1
5,729	NWW8-03	NWW8-02	163	30	20.0	12.2	14.6	7.8	5.4
5,892	NWW8-02	NWW8-01	284	30	30.9	12.2	14.6	18.7	16.3
6,176	NWW8-01	NWW9-37	98	30	27.9	16.6	19.9	11.3	8.0
6,274	NWW9-37	NWW9-36	339	30	27.0	16.6	19.9	10.4	7.1
6,613	NWW9-36	NWW9-35	111	30	27.6	16.6	19.9	11.0	7.7
6,724	NWW9-35	NWW9-34	257	30	41.5	16.7	20.0	24.8	21.5
6,981	NWW9-34	NWW9-33	146	30	27.8	16.7	20.0	11.1	7.8
7,127	**NWW9-33**	**NWW9-32A**	**170**	**27**	**20.7**	**16.7**	**20.0**	**3.9**	**0.6**
7,297	NWW9-32A	NWW9-32	258	27	21.7	16.8	20.2	4.9	1.6
7,555	NWW9-32	NWW9-31	131	30	22.9	17.1	20.5	5.8	2.3
7,686	NWW9-31	NWW9-30	145	30	21.7	17.1	20.5	4.6	1.2
7,831	NWW9-30	NWW9-29	663	30	24.8	19.2	23.0	5.6	1.8
8,494	**NWW9-29**	**NWW9-28A**	**335**	**30**	**23.4**	**19.7**	**23.6**	**3.8**	**(0.2)**
8,829	NWW9-28A	NWW9-28	71	30	25.4	19.7	23.6	5.8	1.8
8,900	NWW9-28	NWW9-27	266	30	29.7	19.7	23.6	10.0	6.0
9,166	NWW9-27	NWW9-26	114	27	74.4	19.7	23.6	54.7	50.7
9,280	NWW9-26	NWW9-25	225	27	28.8	19.9	24.0	8.8	4.8
9,505	NWW9-25	NWW9-24	262	27	29.1	19.9	24.0	9.1	5.1
9,767	NWW9-24	NWW9-23	173	27	31.3	19.9	24.0	11.4	7.4
9,940	NWW9-23	NWW9-22	382	27	26.4	20.4	24.5	5.9	1.8
10,322	NWW9-22	NWW9-21	118	27	28.8	20.4	24.5	8.4	4.3

Table A1 (Cont.). Capacity in the North Lake City Trunk (Flow in mgd)

North Lake City Trunk						Peak 20-Year Flow		Available Capacity	
U/S STA	From MH	To MH	Length (ft)	Diameter (in)	Capacity (mgd)	2000	2050	2000	2050
10,440	NWW9-21	NWW9-20	110	27	28.6	20.2	24.2	8.4	4.4
10,550	NWW9-20	NWW9-19	132	30	36.4	20.2	24.2	16.3	12.2
10,682	NWW9-19	NWW9-18	286	27	28.1	20.4	24.5	7.7	3.6
10,968	NWW9-18	NWW9-17	325	27	29.3	20.4	24.5	8.9	4.8
11,293	NWW9-17	NWW9-16	137	27	29.3	20.4	24.5	8.9	4.8
11,430	NWW9-16	NWW9-15	313	27	26.9	20.4	24.5	6.5	2.4
11,743	NWW9-15	NWW9-14	232	27	27.4	20.8	25.0	6.6	2.4
11,975	NWW9-14	NWW9-13	145	30	37.3	20.8	25.0	16.5	12.3
12,120	NWW9-13	NWW9-12	443	30	36.9	23.0	27.7	13.9	9.2
12,563	NWW9-12	NWW9-11	325	30	38.7	23.0	27.7	15.7	11.0
12,888	NWW9-11	NWW9-10	199	30	38.0	23.0	27.7	15.0	10.3
13,087	NWW9-10	NWW9-09	251	30	39.3	23.2	27.9	16.1	11.3
13,338	NWW9-09	NWW9-08	106	30	39.9	23.5	28.3	16.4	11.6
13,444	NWW9-08	NWW9-07	389	30	38.2	23.5	28.3	14.7	9.9
13,833	NWW9-07	NWW9-06	355	30	35.0	23.5	28.3	11.5	6.7
14,188	NWW9-06	NWW9-05	290	30	34.2	24.9	30.0	9.4	4.3
14,478	NWW9-05	NWW9-04	59	30	40.5	24.9	30.0	15.7	10.6
14,537	NWW9-04	NWW9-03	275	30	38.9	28.9	34.9	9.9	3.9
14,812	NWW9-03	NWW9-02	320	30	38.8	28.9	34.9	9.9	3.9
15,132	NWW9-02	NWW9-01	620	30	40.3	28.9	34.9	11.3	5.3
15,752	NWW9-01	NWW10-05	45	42	48.6	28.9	34.9	19.7	13.7
15,797	NWW10-05	NWW10-04	115	42	40.8	29.6	35.8	11.2	5.0
15,912	NWW10-04	NWW10-03	30	42	53.2	29.6	35.8	23.6	17.5
15,942	NWW10-03	NWW10-02	148	42	43.2	29.6	35.8	13.6	7.5
16,090	NWW10-02	NWW10-01	635	42	37.9	30.8	37.3	7.1	0.7

Table A2. Capacity in the West Lake City Trunk (Flow in mgd)

West Lake City Trunk						Peak 20-Year Flow		Available Capacity	
U/S STA	From MH	To MH	Length (ft)	Diameter (in)	Capacity (mgd)	2000	2050	2000	2050
0	NWW11-25	NWW11-24	152	24	13.1	4.5	5.9	8.6	7.2
152	NWW11-24	NWW11-23	200	24	24.7	4.6	6.1	20.1	18.7
352	NWW11-23	NWW11-22	87	24	23.8	4.6	6.1	19.2	17.8
439	NWW11-22	NWW11-21	82	24	22.8	4.6	6.1	18.2	16.8
521	NWW11-21	NWW11-20	221	24	21.7	7.3	9.4	14.4	12.3
742	NWW11-20	NWW11-19	230	24	20.7	7.3	9.4	13.4	11.3
972	NWW11-19	NWW11-18	185	24	16.1	8.1	10.4	8.0	5.6
1,157	NWW11-18	NWW11-17	93	24	22.0	8.1	10.4	13.9	11.6
1,250	NWW11-17	NWW11-16	183	24	22.0	8.2	10.5	13.9	11.5
1,433	NWW11-16	NWW11-15	159	24	29.2	8.2	10.5	21.0	18.7
1,592	NWW11-15	NWW11-14	164	24	17.8	8.2	10.5	9.6	7.3
1,756	NWW11-14	NWW11-13	315	24	17.3	8.2	10.6	9.0	6.7
2,071	NWW11-13	NWW11-12	336	24	21.1	8.3	10.7	12.8	10.4
2,407	NWW11-12	NWW11-11	264	24	20.5	8.3	10.7	12.1	9.8
2,671	NWW11-11	NWW11-10	109	24	25.2	8.9	11.4	16.3	13.8
2,780	NWW11-10	NWW11-09	220	24	24.3	8.9	11.4	15.4	12.9
3,000	NWW11-09	NWW11-08	140	24	20.1	8.9	11.4	11.1	8.6
3,140	NWW11-08	NWW11-07	226	24	21.0	8.9	11.4	12.0	9.5
3,366	NWW11-07	NWW11-06	276	24	20.9	9.0	11.5	11.9	9.4
3,642	NWW11-06	NWW11-05	103	24	20.9	9.0	11.5	11.9	9.4
3,745	NWW11-05	NWW11-04	161	24	17.3	9.0	11.5	8.2	5.7
3,906	NWW11-04	NWW11-03	334	24	17.5	9.0	11.5	8.5	6.0
4,240	NWW11-03	NWW11-02	84	24	26.0	9.0	11.5	17.0	14.5
4,324	NWW11-02	NWW11-01	159	24	26.2	9.0	11.5	17.1	14.6
4,483	**NWW11-01**	**NWW12-12**	**349**	**24**	**17.0**	**9.0**	**11.5**	**8.0**	**5.5**
4,832	NWW12-12	NWW12-11	23	30	62.5	10.2	13.0	52.2	49.5
4,855	NWW12-11	NWW12-10	335	30	32.8	10.2	13.0	22.6	19.8
5,190	NWW12-10	NWW12-09	199	30	58.1	10.2	13.0	47.9	45.1
5,389	NWW12-09	NWW12-08	491	30	43.4	12.5	15.6	31.0	27.8
5,880	NWW12-08	NWW12-07	344	30	38.5	12.5	15.6	26.0	22.8
6,224	NWW12-07	NWW12-06	384	30	37.6	12.5	15.6	25.1	21.9
6,608	NWW12-06	NWW12-05	193	30	31.0	12.5	15.6	18.5	15.3
6,801	NWW12-05	NWW12-04	172	30	33.2	12.5	15.6	20.7	17.5
6,973	NWW12-04	NWW12-03	216	30	32.3	12.7	15.9	19.6	16.3
7,189	NWW12-03	NWW12-02	207	30	33.4	12.7	15.9	20.7	17.5
7,396	NWW12-02	NWW12-01	236	30	29.5	12.7	15.9	16.8	13.5
7,632	NWW12-01	NWW13-07	427	30	28.4	12.9	16.2	15.5	12.2
8,059	NWW13-07	NWW13-06	70	36	40.7	13.4	16.8	27.3	23.9
8,129	NWW13-06	NWW13-05	605	36	29.5	13.4	16.8	16.1	12.7
8,734	NWW13-05	NWW13-04	639	36	29.5	13.4	16.8	16.1	12.7
9,373	NWW13-04	NWW13-03	40	36	36.2	13.4	16.8	22.8	19.4
9,413	NWW13-03	NWW13-02	137	36	29.3	13.7	17.1	15.6	12.2
9,550	NWW13-02	NWW13-01	72	21	45.8	13.7	17.1	32.1	28.6
9,622	NWW13-01	.NWW10-0	100	36	47.3	13.7	17.1	33.6	30.2

Table A3. Capacity in the Thornton Creek Interceptor PEAK 20-YR FLOW (mgd)

Thornton Creek Interceptor						Peak 20-Year Flow		Available Capacity	
U/S STA	From MH	To MH	Length (ft)	Diameter (in)	Capacity (mgd)	2000	2050	2000	2050
0	NWW10-01	WO7-01	28	42	67.5	44.5	54.4	23.0	13.1
28	WO7-01	WO7-02	92	42	74.5	44.5	54.4	29.9	20.1
120	WO7-02	WO7-02A	176	42	30.3	44.5	54.4	(14.2)	(24.1)
296	WO7-02A	WO7-03A	15	42	287.7	44.5	54.4	243.1	233.3
311	WO7-03A	WO7-03	497	42	26.5	44.5	54.4	(18.1)	(27.9)
808	WO7-03	WO7-04	42	42	48.2	44.5	54.4	3.7	(6.1)
850	WO7-04	WO7-05	332	48	35.0	44.5	54.4	(9.5)	(19.4)
1,182	WO7-05	WO7-06	298	48	31.9	44.5	54.4	(12.6)	(22.5)
1,480	WO7-06	WO7-07	328	48	34.5	44.5	54.4	(10.1)	(19.9)
1,808	WO7-07	WO7-08	193	48	35.5	44.5	54.4	(9.1)	(18.9)
2,001	WO7-08	WO7-08A	340	48	78.2	44.5	54.4	33.7	23.8
2,341	WO7-08A	WO7-10	352	48	32.9	44.5	54.4	(11.6)	(21.5)
2,693	WO7-10	WO7-11	392	42	39.4	44.5	54.4	(5.2)	(15.0)
3,085	WO7-11	WO7-12	600	42	59.6	44.5	54.4	15.1	5.2
3,685	WO7-12	WO7-13	421	42	60.0	44.5	54.4	15.5	5.6
4,106	WO7-13	WO7-14	404	42	64.6	44.5	54.4	20.1	10.2
4,510	WO7-14	WO7-15	16	42	190.8	44.5	54.4	146.3	136.4
4,526	WO7-15	WO7-16	259	48	47.0	47.9	58.5	(1.0)	(11.5)
4,785	WO7-16	WO7-17	264	48	28.1	47.9	58.5	(19.9)	(30.4)
5,049	WO7-17	WO7-18	188	48	31.8	47.9	58.5	(16.1)	(26.6)
5,237	WO7-18	WO7-19	241	48	42.0	47.9	58.5	(6.0)	(16.5)
5,478	WO7-19	WO7-20	142	48	42.1	47.9	58.5	(5.9)	(16.4)
5,620	WO7-20	WO7-21	70	48	72.1	47.9	58.5	24.2	13.6
5,690	WO7-21	WO7-22	55	48	35.5	47.9	58.5	(12.4)	(23.0)
5,745	WO7-22	WO7-23	35	48	734.7	47.9	58.5	686.7	676.2
5,780	WO7-23	MATTHEWS	489	48	127.0	47.9	58.5	79.0	68.5
6,269	MATTHEWS				85.0	52.7	64.2	32.3	20.8

Table A4. Capacity in the Thornton Creek Interceptor PEAK 5-YR FLOW (mgd)

Thornton Creek Interceptor						Peak 5-Year Flow		Available Capacity	
U/S STA	From MH	To MH	Length (ft)	Diameter (in)	Capacity (mgd)	2000	2050	2000	2050
0	NWW10-01	WO7-01	28	42	67.5	41.3	50.6	26.2	16.9
28	WO7-01	WO7-02	92	42	74.5	41.3	50.6	33.1	23.9
120	WO7-02	WO7-02A	176	42	30.3	41.3	50.6	(11.0)	(20.3)
296	WO7-02A	WO7-03A	15	42	287.7	41.3	50.6	246.3	237.1
311	WO7-03A	WO7-03	497	42	26.5	41.3	50.6	(14.9)	(24.1)
808	WO7-03	WO7-04	42	42	48.2	41.3	50.6	6.9	(2.3)
850	WO7-04	WO7-05	332	48	35.0	41.3	50.6	(6.3)	(15.5)
1182	WO7-05	WO7-06	298	48	31.9	41.3	50.6	(9.4)	(18.7)
1480	WO7-06	WO7-07	328	48	34.5	41.3	50.6	(6.9)	(16.1)
1808	WO7-07	WO7-08	193	48	35.5	41.3	50.6	(5.9)	(15.1)
2001	WO7-08	WO7-08A	340	48	78.2	41.3	50.6	36.9	27.6
2341	WO7-08A	WO7-10	352	48	32.9	41.3	50.6	(8.4)	(17.7)
2693	WO7-10	WO7-11	392	42	39.4	41.3	50.6	(2.0)	(11.2)
3085	WO7-11	WO7-12	600	42	59.6	41.3	50.6	18.3	9.1
3685	WO7-12	WO7-13	421	42	60.0	41.3	50.6	18.7	9.5
4106	WO7-13	WO7-14	404	42	64.6	41.3	50.6	23.3	14.1
4510	WO7-14	WO7-15	16	42	190.8	41.3	50.6	149.5	140.2
4526	WO7-15	WO7-16	259	48	47.0	44.5	54.3	2.5	(7.3)
4785	WO7-16	WO7-17	264	48	28.1	44.5	54.3	(16.4)	(26.3)
5049	WO7-17	WO7-18	188	48	31.8	44.5	54.3	(12.7)	(22.5)
5237	WO7-18	WO7-19	241	48	42.0	44.5	54.3	(2.5)	(12.4)
5478	WO7-19	WO7-20	142	48	42.1	44.5	54.3	(2.4)	(12.3)
5620	WO7-20	WO7-21	70	48	72.1	44.5	54.3	27.6	17.8
5690	WO7-21	WO7-22	55	48	35.5	44.5	54.3	(9.0)	(18.8)
5745	WO7-22	WO7-23	35	48	734.7	44.5	54.3	690.2	680.3
5780	WO7-23	MATTHEWS	489	48	127.0	44.5	54.3	82.5	72.6
6,269	MATTHEWS				85.0	48.9	59.6	36.1	25.4