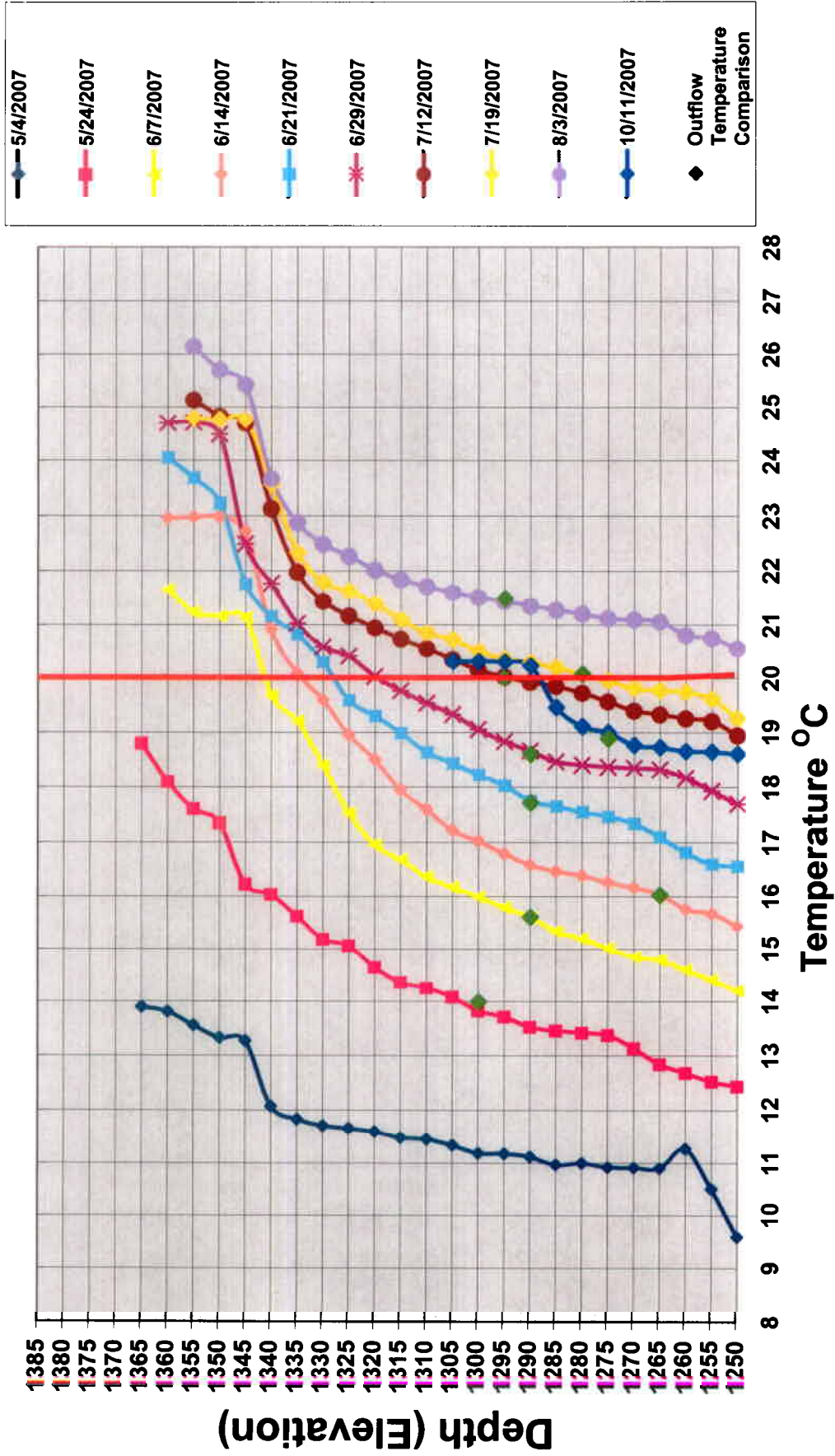


APPENDIX A

2006 and 2007 Water Quality Profile Sampling Results at F.E. Walter Reservoir

F.E. Walter Reservoir 2007 Seasonal Temperature Profile (WA-2 Tower)



2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-1 Outfall	5/24/2007	14:45:49	0	13.99	104.7	10.79	0.073	6.31	6.2	1.6
	6/7/2007	9:06:08	0	15.61	99	9.85	0.073	6.71	4.1	1
	6/14/2007	9:00:10	0	16.03	97.7	9.64	0.075	6.26	5.8	1.3
	6/21/2007	12:10:07	0	17.72	105.1	10.01	0.078	6.2	8	1
	6/29/2007	10:45:49	0	18.61	98.3	9.19	0.083	6.28	5.9	42.8
	7/12/2007	12:51:19	0	20.01	95.2	8.65	0.087	6.13	5.5	380.4
	7/19/2007	12:31:27	0	20.08	94.6	8.58	0.082	6.1	0.1	-1.1
	8/3/2007	10:27:42	0	21.49	108.9	9.62	0.084	6.53	0	0
	10/11/2007	13:06:17	0	18.89	88.3	8.21	0.088	6.5	16	3.7
	11/6/2007	11:40:55	0	7.6	98	11.71	0.059	6.27	7.1	2.8
WA-2 Lake Tower	5/4/2007	11:05:00	0	13.9	106.8	11.03	0.067	6.4	-0.4	2.2
		11:04:17	5	13.81	106.5	11.02	0.067	6.42	-0.4	3.2
		11:02:48	10	13.56	105.8	11	0.067	6.37	-0.3	3.1
		11:01:25	15	13.33	104.6	10.94	0.067	6.32	-0.4	3.8
		11:00:30	20	13.27	103	10.79	0.067	6.15	-0.3	3
		10:59:37	25	12.07	101	10.87	0.066	6.13	-0.2	2.8
		10:58:52	30	11.83	100.5	10.87	0.066	6.11	-0.2	2.2
		10:57:44	35	11.71	100.3	10.88	0.066	6.07	-0.2	2.9
		10:56:58	40	11.66	99.9	10.86	0.066	6.07	-0.2	2.9
		10:56:16	45	11.6	99.8	10.85	0.066	6.04	-0.1	2
		10:55:39	50	11.48	99.3	10.83	0.066	5.99	-0.2	2.1
		10:55:11	55	11.45	99.1	10.82	0.066	5.97	-0.2	2.7
		10:54:14	60	11.34	98.1	10.74	0.067	5.95	-0.2	2.8
		10:53:54	65	11.19	98	10.76	0.066	5.96	-0.2	3
		10:52:46	70	11.18	97.7	10.73	0.066	5.89	-0.2	2.4
		10:51:45	75	11.12	97	10.66	0.067	5.92	-0.2	2.3
		10:51:15	80	10.97	97.2	10.72	0.068	5.88	-0.2	2.6
		10:49:05	85	11	96.1	10.6	0.065	5.86	-0.1	2.4
		10:48:05	90	10.92	95.2	10.52	0.069	5.89	-0.2	2.5
		10:47:16	95	10.91	95	10.49	0.067	5.87	-0.2	2.4
		10:46:06	100	10.9	94.9	10.49	0.068	5.86	-0.2	2.3
		10:44:48	105	11.27	94.7	10.38	0.065	5.78	-0.2	2.3
		10:41:48	110	10.5	94.7	10.38	0.065	5.78	-0.2	2.3
		10:38:54	115	9.59	71.9	8.2	0.068	5.59	18	1
WA-2 Lake Tower Secchi 3.95 M	5/24/2007	12:50:06	0	18.8	99.2	9.24	0.072	6.49	0.4	1.4
		12:48:58	5	18.1	97.9	9.25	0.072	6.43	0.3	1.4
		12:48:09	10	17.61	96.5	9.21	0.072	6.38	-0.1	2.3
		12:47:12	15	17.35	94.7	9.08	0.072	6.3	0.2	1.3
		12:46:09	20	16.23	90	8.84	0.07	6.25	0.7	1.5
		12:45:18	25	16.04	88.6	8.74	0.071	6.24	0.3	1.3
		12:44:22	30	15.63	87.4	8.69	0.072	6.22	0	1.5
		12:43:21	35	15.19	87.4	8.77	0.074	6.19	0	2.1
		12:42:27	40	15.07	87.7	8.83	0.073	6.18	0.4	1.3
		12:41:16	45	14.65	86.8	8.81	0.074	6.15	0.2	1.5
		12:39:36	50	14.37	87.1	8.9	0.07	6.13	0.4	1.2
		12:38:40	55	14.26	87.2	8.93	0.075	6.12	0.5	1.8
		12:37:54	60	14.09	87	8.95	0.074	6.08	0.3	1.7

2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
	5/24/2007 Cont.	12:37:08	65	13.83	86.5	8.95	0.074	6.06	0.5	1.8
		12:36:10	70	13.72	85.2	8.83	0.074	6.05	0.6	1.6
		12:34:26	75	13.53	85.7	8.92	0.07	6	0.9	2.2
		12:33:20	80	13.46	85	8.87	0.071	6	0.8	1.3
		12:31:59	85	13.42	85	8.87	0.072	5.98	1.2	1.7
		12:29:57	90	13.38	83.8	8.76	0.073	5.84	1.7	1
		12:28:18	95	13.14	81.6	8.58	0.072	5.76	1.5	1.7
		12:26:44	100	12.85	73.5	7.77	0.073	5.68	3.6	1.5
		12:24:53	105	12.69	70	7.43	0.073	5.62	6.1	1.6
		12:23:20	110	12.53	58.9	6.27	0.073	5.59	23.3	1.9
		12:22:18	115	12.44	55.4	5.91	0.073	5.64	51.7	1.8
WA-2 Lake Tower	6/7/2007	10:29:21	0	21.66	92.1	8.11	0.077	6.69	1.4	1.6
		10:27:06	5	21.24	91.3	8.1	0.077	6.66	1.6	1.7
		10:25:53	10	21.17	90.5	8.04	0.077	6.62	1.5	1.8
		10:24:49	15	21.14	89.5	7.96	0.077	6.56	1.4	1.6
		10:23:30	20	19.68	80.4	7.36	0.081	6.44	0.9	-0.4
		10:21:23	25	19.21	79.4	7.33	0.082	6.41	1.4	1.5
		10:20:03	30	18.4	83.3	7.82	0.075	6.27	0.7	1.7
		10:18:58	35	17.53	83.1	7.95	0.073	6.25	0.4	1.3
		10:17:00	40	16.96	82.1	7.94	0.072	6.22	0.6	1.5
		10:15:49	45	16.69	80.6	7.84	0.073	6.22	0.4	1.4
		10:14:20	50	16.37	81.7	8	0.072	6.22	0.4	0.9
		10:12:44	55	16.18	80	7.87	0.072	6.17	0.2	1
		10:11:21	60	16	77.3	7.62	0.072	6.1	0.4	1.5
		10:09:49	65	15.8	72.8	7.22	0.072	6.04	0.7	1.1
		10:08:43	70	15.62	72	7.17	0.073	6.05	0.7	1.3
		10:06:54	75	15.35	69.1	6.92	0.074	6	1.4	1
		10:05:19	80	15.21	65.7	6.6	0.074	5.94	1.9	1.1
		10:04:10	85	15.03	62.5	6.29	0.076	5.9	2.5	0.8
		10:01:18	90	14.86	61.2	6.19	0.076	5.79	3.1	1.2
		10:00:16	95	14.8	60.4	6.11	0.076	5.76	3.8	0.9
		9:59:02	100	14.61	56.7	5.76	0.076	5.76	6.7	1.4
		9:57:34	105	14.42	50.7	5.18	0.076	5.81	16.2	1.1
		9:54:34	110	14.21	33.4	3.42	0.078	6.38	175.2	3.8
WA-2 Lake Tower	6/14/2007	10:11:22	0	22.96	97	8.33	0.078	6.87	1	1.9
		10:10:14	5	22.98	97	8.32	0.078	6.83	1.3	2
		10:09:30	10	22.98	96.5	8.28	0.078	6.78	1.3	2.2
		10:08:19	15	22.72	90.9	7.84	0.078	6.62	1.6	1.3
		10:06:37	20	20.92	81.1	7.24	0.078	6.45	1	1.8
		10:05:28	25	20.1	77.7	7.05	0.08	6.39	1.2	1.2
		10:04:15	30	19.6	76.2	6.98	0.08	6.35	1	1.8
		10:03:06	35	18.96	77.2	7.17	0.078	6.33	0.8	1
		10:01:33	40	18.51	78.1	7.32	0.078	6.31	0.4	1.6
		9:59:59	45	17.95	78.7	7.46	0.077	6.24	0.6	1.3
		9:59:11	50	17.6	76.9	7.34	0.075	6.21	0.5	0.9
		9:58:10	55	17.22	78.2	7.52	0.074	6.2	0.2	1.5
		9:56:59	60	17.03	78.4	7.57	0.073	6.16	0.2	1.4

2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
	6/14/2007 Cont.	9:55:28	65	16.8	74.8	7.25	0.073	6.08	0.4	1.3
		9:54:16	70	16.59	74.6	7.27	0.073	6.08	0.7	1.2
		9:52:38	75	16.47	73.1	7.14	0.073	6.06	0.9	1.4
		9:51:33	80	16.39	73.6	7.2	0.073	6.08	0.7	-0.2
		9:50:04	85	16.27	69.4	6.81	0.073	6.04	1.6	1.8
		9:48:45	90	16.17	68.4	6.73	0.074	6.01	1.6	0.8
		9:47:04	95	16.05	62.3	6.14	0.076	5.83	2.1	0.8
		9:44:29	100	15.76	54	5.36	0.077	5.71	6.6	0.7
		9:43:16	105	15.68	51.1	5.07	0.077	5.73	6.2	1.1
		9:41:44	110	15.44	41.9	4.18	0.077	5.78	27.4	1.4
WA-2 Lake Tower Secchi 2.75 M	6/21/2007									
		13:36:41	0	24.05	110.6	9.3	0.079	6.88	1.1	104.4
		13:35:38	5	23.68	109	9.23	0.079	6.75	1.3	37.5
		13:34:28	10	23.22	102.1	8.72	0.079	6.54	1.6	-1
		13:33:15	15	21.76	85.3	7.49	0.081	6.37	1.5	65
		13:31:17	20	21.16	79.7	7.08	0.083	6.31	1	87.9
		13:29:49	25	20.82	77.7	6.95	0.082	6.27	1	36.3
		13:28:32	30	20.3	75.5	6.82	0.081	6.21	0.8	49.3
		13:27:14	35	19.59	76.8	7.04	0.083	6.22	0.6	93.7
		13:25:58	40	19.3	76	7	0.082	6.2	0.7	122.2
		13:24:17	45	18.99	75	6.95	0.082	6.16	0.8	21.6
		13:23:28	50	18.64	76	7.1	0.082	6.15	0.7	75.2
		13:22:04	55	18.44	78.3	7.35	0.079	6.11	0.5	42.6
		13:20:45	60	18.23	74.6	7.03	0.081	6.11	0.6	102.1
		13:18:46	65	18.03	75.6	7.15	0.079	6.06	0.6	40.3
		13:17:06	70	17.75	71.1	6.76	0.076	5.95	1	0.6
		13:16:03	75	17.66	68.5	6.53	0.077	5.94	2.3	74.1
		13:13:09	80	17.55	72.7	6.95	0.077	5.9	2.7	3.6
		13:10:59	85	17.47	76.2	7.29	0.078	5.93	1.1	0.8
		13:09:37	90	17.34	70.4	6.76	0.078	5.87	2.1	-1.9
		13:08:20	95	17.1	68.1	6.57	0.079	5.93	2.3	10.3
		13:07:03	100	16.82	58.7	5.69	0.08	5.94	6.4	4.6
		13:06:12	105	16.6	51.7	5.04	0.081	5.94	13.7	19.9
		13:04:49	110	16.56	48.8	4.76	0.081	6.01	19.8	2.8
WA-2 Lake Tower	6/29/2007									
		9:51:54	0	24.7	108.9	9.04	0.082	7.04	0.9	1.1
		9:50:29	5	24.71	108.1	8.98	0.082	6.98	1.3	0
		9:49:08	10	24.49	104.3	8.7	0.081	6.81	1.8	0.7
		9:48:12	15	22.49	94.1	8.15	0.08	6.54	1.1	0.2
		9:46:50	20	21.77	79.9	7.02	0.08	6.28	0.9	-0.1
		9:45:42	25	21.03	69	6.15	0.082	6.19	0.6	0.3
		9:44:31	30	20.59	67.8	6.09	0.083	6.21	0.4	0.3
		9:43:06	35	20.42	67.9	6.12	0.084	6.21	0.8	0.4
		9:42:26	40	20.04	66.9	6.07	0.083	6.23	0.4	0
		9:41:07	45	19.77	65.9	6.01	0.084	6.16	0.3	2.3
		9:39:12	50	19.54	66	6.06	0.083	6.12	0.8	1.3
		9:38:05	55	19.33	65.9	6.07	0.083	6.09	0.4	0.3
		9:37:04	60	19.06	65.3	6.05	0.083	6.12	0.2	1.9
		9:35:34	65	18.84	63.8	5.94	0.084	6.11	0.7	1.3

2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-2 Lake Tower	6/29/2007 Cont.	9:33:17	70	18.67	61.1	5.71	0.083	6.06	0.9	0.9
		9:31:47	75	18.47	57.3	5.37	0.082	6.02	1.6	1.1
		9:29:37	80	18.41	59	5.54	0.083	6.06	1.6	0.5
		9:28:19	85	18.37	56.9	5.34	0.083	6.03	2.5	-0.4
		9:26:55	90	18.35	56.4	5.3	0.084	6.02	2.3	0.6
		9:25:37	95	18.32	56.4	5.3	0.084	6.02	2.9	1.8
		9:24:19	100	18.17	56.2	5.3	0.084	6	3.8	2.2
		9:22:34	105	17.93	45.6	4.32	0.084	5.77	8.5	2.8
		9:21:24	110	17.7	33.7	3.21	0.086	5.75	25.3	1.2
WA-2 Lake Tower	7/12/2007									
		12:07:37	0	25.14	101.6	8.37	0.084	7.17	1.1	-1.4
		12:06:04	5	24.84	100.6	8.34	0.084	7.09	1.4	-2.9
		12:04:31	10	24.7	98.5	8.18	0.084	6.91	1.1	-2.5
		12:03:25	15	23.13	89.1	7.62	0.082	6.49	1.4	-2.5
		12:00:28	20	21.98	73.1	6.39	0.082	6.22	0.9	6.7
		11:59:19	25	21.44	56.8	5.02	0.083	6	0.5	2.6
		11:58:25	30	21.17	53.5	4.75	0.083	5.99	1.3	-0.5
		11:57:06	35	20.95	52	4.64	0.084	5.96	0.5	-1
		11:55:35	40	20.74	51.3	4.6	0.083	5.92	-0.2	2.2
		11:53:43	45	20.56	50.9	4.57	0.084	5.92	0.5	-1.4
		11:52:14	50	20.36	49.6	4.48	0.084	5.84	0.2	-3.3
		11:51:19	55	20.16	48.4	4.38	0.084	5.81	0.8	-1.3
		11:49:41	60	20.04	46.5	4.23	0.083	5.78	0.5	-3.1
		11:48:14	65	19.93	45.4	4.14	0.082	5.75	1.3	-3
		11:47:01	70	19.86	42.4	3.86	0.084	5.75	1.6	-2.9
		11:45:31	75	19.73	42.5	3.88	0.084	5.69	1.8	-3.1
		11:43:35	80	19.57	44	4.03	0.085	5.61	2.1	-2.3
		11:42:30	85	19.4	41.8	3.84	0.087	5.61	4.8	-2.7
		11:41:19	90	19.33	39.8	3.67	0.087	5.31	3.5	-2.4
		11:40:21	95	19.26	38.5	3.55	0.088	5.32	4.4	-2.7
		11:39:29	100	19.21	34.3	3.17	0.088	5.41	6.3	-3.2
		11:38:23	105	18.95	24.3	2.26	0.089	5.64	16.1	-3.1
WA-2 Lake Tower Secchi 3.45 M	7/19/2007									
		10:49:25	0	24.79	97.6	8.1	0.08	6.96	-6.2	0.1
		10:48:22	5	24.77	96.3	7.99	0.08	6.89	-7.7	-1.9
		10:47:26	10	24.76	94.8	7.87	0.08	6.75	-8	-0.3
		10:46:28	15	23.57	86	7.3	0.079	6.43	-4.4	-1.6
		10:45:35	20	22.33	66.8	5.81	0.078	6.17	-5.9	-0.5
		10:44:35	25	21.8	61.3	5.38	0.078	6.12	384.7	-47.8
		10:43:13	30	21.63	55.9	4.93	0.078	6.07	72.1	-83.7
		10:42:05	35	21.4	51.2	4.53	0.079	6	606.2	-99.9
		10:40:49	40	21.1	48.2	4.29	0.08	5.94	115.8	-99.9
		10:39:54	45	20.85	47	4.2	0.08	5.91	1512.3	-99.9
		10:39:16	50	20.73	46.5	4.17	0.081	5.93	502	-99.9
		10:37:48	55	20.51	43.5	3.91	0.08	5.86	-8.6	-93.1
		10:36:40	60	20.37	40.9	3.69	0.08	5.82	-8.9	-12.6
		10:35:13	65	20.3	39.2	3.54	0.08	5.82	-2	-33.9
		10:34:26	70	20.21	39.7	3.6	0.08	5.81	-9.1	-39.7
		10:32:11	75	20.08	35.7	3.24	0.081	5.81	-8.7	-11.7

2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
	7/19/2007 Cont.	10:31:06	80	19.96	35	3.19	0.081	5.83	8.8	-2.6
		10:29:44	85	19.82	25.5	2.33	0.083	5.78	350.6	-17
		10:28:37	90	19.78	25.1	2.29	0.083	5.75	25.8	-9.7
		10:26:53	95	19.75	22.2	2.03	0.084	5.67	23.3	-6.7
		10:25:34	100	19.62	19.2	1.76	0.084	5.63	29.9	-5.9
		10:23:26	105	19.26	7.2	0.66	0.09	5.88	41.3	-66.4
WA-2 Lake Tower	8/3/2007									
		9:49:41	0	26.15	103.6	8.38	0.082	7.13	x	x
		9:48:26	5	25.71	101.9	8.31	0.083	7.05	x	x
		9:47:25	10	25.43	100.1	8.2	0.082	6.84	x	x
		9:46:15	15	23.67	80.6	6.83	0.081	6.38	x	x
		9:44:55	20	22.88	64.7	5.56	0.081	6.17	x	x
		9:43:48	25	22.49	54.8	4.75	0.081	6.12	x	x
		9:42:49	30	22.27	54.2	4.72	0.082	6.11	x	x
		9:41:39	35	22.02	49.4	4.32	0.082	6.04	x	x
		9:40:31	40	21.84	46.9	4.11	0.082	5.97	x	x
		9:39:25	45	21.72	44.2	3.88	0.08	5.93	x	x
		9:38:28	50	21.61	43.9	3.87	0.081	5.89	x	x
		9:37:26	55	21.52	43.7	3.86	0.082	5.86	x	x
		9:36:29	60	21.44	42.9	3.79	0.08	5.88	x	x
		9:35:22	65	21.36	43.1	3.82	0.082	5.83	x	x
		9:34:28	70	21.28	44.2	3.92	0.083	5.85	x	x
		9:33:25	75	21.21	43.3	3.84	0.083	5.86	x	x
		9:32:13	80	21.12	46.6	4.15	0.083	5.9	x	x
		9:31:07	85	21.1	46.4	4.13	0.085	5.89	x	x
		9:30:20	90	21.06	45.5	4.05	0.085	5.9	x	x
		9:29:06	95	20.81	42.3	3.79	0.085	5.89	x	x
		9:25:25	100	20.75	38.5	3.45	0.086	5.85	x	x
		9:24:01	105	20.56	31.4	2.82	0.086	5.8	x	x
WA-2 Lake Tower Secchi 2.70 M	10/11/2007									
		11:23:51	0	20.32	94.6	8.55	0.084	6.84	5.4	10.3
		11:23:06	5	20.32	93.9	8.49	0.084	6.83	5.5	9.3
		11:21:40	10	20.31	93.1	8.41	0.084	6.74	5.5	9.9
		11:20:24	15	20.24	87.3	7.9	0.085	6.61	5.8	10.1
		11:19:17	20	19.46	68.4	6.28	0.087	6.45	8.1	3.2
		11:18:02	25	19.11	70.2	6.49	0.089	6.44	9.9	2.6
		11:16:43	30	19	66.4	6.16	0.088	6.43	10.6	2.5
		11:15:29	35	18.77	61.3	5.71	0.088	6.41	13.5	2.5
		11:14:17	40	18.73	59	5.5	0.088	6.42	16.6	2.9
		11:13:01	45	18.66	55	5.14	0.088	6.44	21.6	2.6
		11:11:14	50	18.65	51.6	4.82	0.088	6.5	25.2	2.7
		11:09:49	52	18.61	49.8	4.66	0.088	6.65	40	3.9
WA-2 Lake Tower	11/6/2007									
		12:56:57	0	7.7	94.8	11.31	0.06	6.29	6.1	4
		12:56:08	5	7.69	94.7	11.3	0.061	6.26	6.3	3.7
		12:54:51	10	7.57	94.2	11.28	0.059	6.26	6.6	3.9
		12:54:03	15	7.54	94.1	11.27	0.059	6.26	6.6	3.6
		12:52:58	20	7.54	94.1	11.27	0.06	6.27	6.4	3.6
		12:52:05	25	7.53	93.9	11.25	0.06	6.28	6.4	3.5

2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
Secchi 2.30 M	11/6/2007 Cont.	12:50:59	30	7.5	93.7	11.23	0.06	6.21	6.6	3.8
		12:50:00	35	7.17	93.1	11.26	0.061	6.22	24.5	3.8
		12:49:07	40	7.11	93.2	11.28	0.061	6.21	8.7	3.8
		12:48:24	45	7.1	93.2	11.28	0.061	6.18	8.5	3.7
		12:47:44	50	7.07	93.3	11.3	0.062	6.13	100.7	7.8
WA-3 Tobyhanna Creek Upstream	5/24/2007	11:14:16	0	16.41	105.3	10.31	0.093	6.72	1	2
	6/21/2007	11:39:33	0	20.36	105.9	9.56	0.098	6.66	3.2	0.7
	7/19/2007	12:58:17	0	19.27	92.2	8.51	0.096	6.62	10.8	-1.8
	10/11/2007	14:08:49	0	16.45	89.7	8.77	0.114	6.86	19.1	5.8
	11/6/2007	11:17:21	0	8.04	97	11.48	0.079	6.34	6.4	4.4
WA-4 Lehigh River Upstream	5/24/2007	11:01:58	0	16.09	114.8	11.31	0.07	6.5	1.4	1.6
	6/21/2007	11:18:09	0	19.17	113.3	10.47	0.083	6.7	1.9	-0.5
	7/19/2007	13:12:04	0	20.76	101.5	9.09	0.079	7.03	155.4	-0.6
	10/11/2007	13:53:26	0	15.03	86.5	8.71	0.074	6.54	21.3	6.5
	11/6/2007	11:02:25	0	7.65	99.1	11.84	0.06	6.2	5.9	3.1
WA-5 Bear Creek Upstream	5/24/2007	10:38:55	0	15.13	104.5	10.51	0.065	7.08	1.2	1.3
	6/21/2007	10:47:59	0	19.03	105	9.73	0.086	6.92	2	-5.6
	7/19/2007	9:43:32	0	19.69	94.3	8.63	0.099	6.69	-7.4	-26
	10/11/2007	13:28:30	0	15.79	92.8	9.2	0.082	6.81	5.8	1.9
	11/6/2007	10:43:50	0	7.2	96.8	11.69	0.05	5.85	6.5	2
WA-6 Bear Creek Lake Arm	5/24/2007	13:51:50	0	20.84	102.6	9.18	0.073	6.55	0.3	1.7
		13:50:21	5	18.37	98.5	9.25	0.072	6.45	0.3	1.9
		13:49:12	10	17.7	96.3	9.17	0.072	6.38	0.5	2
		13:48:13	15	17.02	93.3	9.01	0.072	6.3	-0.4	1.5
		13:47:26	20	16.62	91.2	8.89	0.071	6.23	0.3	1.9
		13:46:50	25	16.06	90.1	8.88	0.07	6.18	0.8	2
		13:45:39	30	15.51	87.5	8.73	0.071	6.04	0.7	1.4
		13:44:56	35	15.08	87	8.75	0.07	5.99	0.5	1.5
		13:44:12	40	14.85	86.7	8.77	0.068	5.97	0.5	1
		13:43:29	45	14.6	86.5	8.8	0.067	5.92	1.3	1.3
		13:43:07	50	14.52	86.6	8.82	0.067	5.98	0.5	1.7
		13:42:33	55	14.36	86.2	8.82	0.07	6.01	0.7	1.2
		13:41:48	60	14.05	85.2	8.77	0.067	6.06	1.3	0.9
		13:40:50	65	13.72	84.5	8.76	0.074	6.15	1.7	1.7
		13:40:06	70	13.59	85	8.84	0.073	6.24	1.6	1.4
		13:39:24	75	13.45	84.5	8.82	0.076	6.27	1.4	1.2
		13:38:46	80	13.3	83.2	8.7	0.075	6.31	1.5	1.1
		13:37:47	85	13.1	81.1	8.52	0.075	6.37	2.9	1.1

2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-6 Bear Creek Lake Arm	6/21/2007	14:39:29	0	25.38	112.3	9.22	0.08	6.89	1.2	-8.1
		14:38:34	5	23.76	108.3	9.16	0.079	6.74	1.4	-7.6
		14:37:54	10	23.35	104.3	8.88	0.079	6.62	1.8	-7.4
		14:36:14	15	22.29	90.6	7.88	0.078	6.23	0.9	-8
		14:35:14	20	21.21	76.9	6.82	0.08	6.15	1.2	-7.3
		14:34:31	25	20.58	74.5	6.69	0.079	6.13	1.7	-7.2
		14:33:52	30	20.22	73.9	6.69	0.08	6.09	1.1	-7.2
		14:31:54	35	19.84	75.2	6.85	0.084	6.1	0.8	-7.3
		14:31:10	40	19.34	73.2	6.74	0.079	6.02	1	-7.2
		14:30:29	45	19.02	74.1	6.87	0.085	6.05	1.3	-6.9
		14:29:26	50	18.7	74.7	6.97	0.085	6	1.3	-6.7
		Missed	Missed	Missed	Missed	Missed	Missed	Missed	Missed	Missed
		14:28:33	60	18.36	75.4	7.09	0.081	6.01	1.1	-6.2
		14:27:49	65	18.11	76.8	7.26	0.079	6.07	0.5	-6.6
		14:26:28	70	17.84	77.5	7.36	0.078	6.1	0.8	-4.2
		14:25:14	75	17.64	72.5	6.92	0.078	6.15	1.4	-7
		14:24:06	80	17.41	69.7	6.68	0.079	6.23	2.9	-7.1
WA-6 Bear Creek Lake Arm	7/19/2007	11:14:53	0	24.93	98.4	8.14	0.08	6.95	-2.3	-0.2
		11:13:49	5	24.9	97	8.03	0.08	6.8	-2.8	0
		11:12:55	10	24.6	93.6	7.79	0.08	6.64	36.2	-10.4
		11:11:56	15	23.67	76.5	6.48	0.081	6.31	-7	-17.4
		11:11:04	20	22.48	63.1	5.47	0.079	6.11	-6.8	-23.8
		11:10:25	25	21.97	59.4	5.2	0.078	6.05	-7	-28.4
		11:09:31	30	21.59	51.7	4.56	0.079	5.97	-9.1	-42.9
		11:08:33	35	21.28	47.4	4.2	0.079	5.91	7.9	-99.9
		11:07:33	40	21.07	43	3.83	0.079	5.87	-7.3	-11.4
		11:06:15	45	20.9	41.8	3.74	0.079	5.81	10.1	-8.8
		11:05:31	50	20.69	43.6	3.91	0.08	5.87	-6.1	-7.9
		11:04:27	55	20.47	37.7	3.39	0.08	5.78	0.9	-4.8
		11:03:36	60	20.32	42.4	3.83	0.081	5.86	-4.5	-1.7
		11:02:35	65	20.24	40.3	3.65	0.081	5.86	-8	-16.1
		11:01:27	70	20.12	36.5	3.31	0.082	5.86	-7.1	-56.8
		11:00:19	75	19.98	32.7	2.97	0.082	5.89	-7.7	-2.4
WA-6 Bear Creek Lake Arm	10/11/2007	12:03:07	0	20.17	89	8.07	0.086	6.7	6.2	7.7
		12:02:17	5	20.21	87.7	7.94	0.086	6.68	6.2	8
		12:00:56	10	19.92	79.4	7.23	0.088	6.58	6.5	3.3
		11:59:11	15	19.58	73.7	6.76	0.085	6.53	7.1	2.9
		11:57:37	20	19.32	80.3	7.4	0.089	6.63	14.1	3.3
		11:56:34	22	19.21	78.4	7.24	0.089	6.61	51.5	3.6
WA-6 Bear Creek Lake Arm	11/6/2007	13:43:11	0	7.75	94.8	11.29	0.056	6.23	6.3	2.9
		13:42:09	5	7.77	94.8	11.29	0.056	6.26	6.3	3.1
		13:41:02	10	7.77	94.7	11.28	0.056	6.3	6.4	3.1
		13:39:25	15	7.77	94.7	11.28	0.056	6.36	6.4	3.4
		13:38:11	20	7.7	94.4	11.27	0.057	6.45	6.9	3.5
		13:36:59	25	7.58	94.9	11.35	0.064	6.47	8	3.9

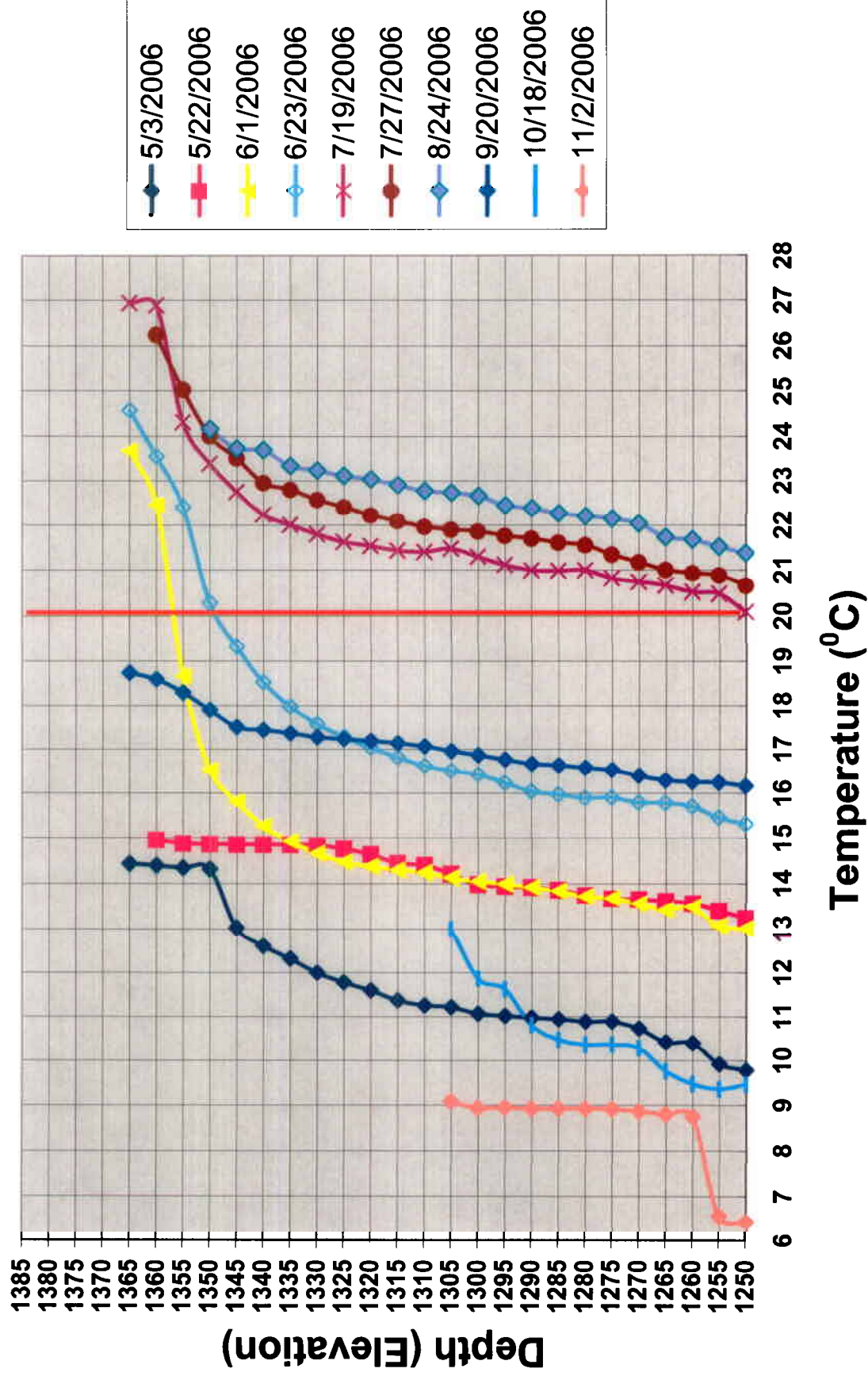
2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-7 Lehigh Lake Arm	5/24/2007	13:27:46	0	19.93	100.9	9.18	0.073	6.48	0.2	1.8
		13:26:57	5	18.38	99.1	9.31	0.074	6.45	0.6	1.8
		13:26:14	10	17.63	96.1	9.16	0.073	6.41	0.4	2.1
		13:25:37	15	17.16	94.2	9.07	0.072	6.39	0.2	1.7
		13:24:26	20	16.58	91.2	8.89	0.071	6.31	0.6	2.4
		13:23:51	25	16.17	89.2	8.77	0.071	6.3	-0.2	2
		13:22:48	30	15.38	87	8.7	0.075	6.28	0.3	1.8
		13:22:06	35	14.98	86.4	8.71	0.075	6.3	0.7	1.4
		13:20:18	40	14.78	87.4	8.85	0.075	6.25	0.6	1.3
		13:19:30	45	14.66	88	8.94	0.077	6.26	0.6	1.7
		13:18:56	50	14.5	87.7	8.94	0.076	6.29	0.5	1.8
		13:18:07	55	14.28	88	9.01	0.077	6.32	0.4	1.6
		13:17:27	60	14.08	87.9	9.05	0.077	6.38	0.8	2.4
		13:16:44	65	13.92	87.6	9.04	0.076	6.41	0.8	2.2
		13:16:05	70	13.69	87.2	9.04	0.078	6.45	1.4	2
		13:15:29	75	13.55	85.3	8.88	0.079	6.47	3.9	1.5
		13:14:42	80	13.45	81.8	8.54	0.079	6.5	19.8	2.2
WA-7 Lehigh Lake Arm	6/21/2007									
		14:06:33	0	24.31	110.5	9.25	0.079	6.89	1.4	-7.9
		14:05:33	5	24.18	109.1	9.15	0.079	6.77	1	-7.8
		14:04:45	10	23.5	103.6	8.81	0.08	6.62	2.3	-7.3
		14:02:23	15	21.84	85.4	7.49	0.083	6.37	2.1	-4.3
		14:01:43	20	21.18	79.3	7.04	0.082	6.33	1.6	-6.3
		14:00:46	25	20.61	77.3	6.94	0.083	6.34	1.3	-6.3
		13:59:18	30	20.25	76.7	6.94	0.085	6.3	1.1	-6.7
		13:58:26	35	19.93	76.2	6.93	0.085	6.26	1.3	-6.7
		13:57:40	40	19.54	76.1	6.98	0.086	6.23	1.8	-4
		13:56:51	45	19.1	75.4	6.98	0.087	6.18	2.1	-6.3
		13:56:05	50	18.89	73.1	6.8	0.087	6.17	2.9	-4.3
		13:54:32	55	18.58	72.6	6.79	0.087	6.11	4	-6
		13:53:34	60	18.15	71.5	6.75	0.087	6.1	3.7	-3.1
		13:52:31	65	17.99	70.6	6.69	0.087	6.13	3.7	-5.2
		13:51:22	70	17.67	70.6	6.73	0.085	6.17	2.7	-3.7
		13:49:34	75	17.39	67.7	6.49	0.083	6.21	3.9	16.6

2007 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-7 Lehigh Lake Arm	7/19/2007	11:44:54	0	24.98	98.2	8.12	0.082	6.9	403.3	-76.3
		11:44:03	5	24.89	96.8	8.02	0.082	6.82	332.4	-29.4
		11:43:05	10	24.41	94.3	7.88	0.08	6.66	-0.4	-5.2
		11:42:08	15	23.7	89.1	7.54	0.079	6.5	-3.9	0
		11:40:36	20	22.64	62.5	5.4	0.08	6.16	-5.1	-1.8
		11:39:23	25	21.93	61.4	5.37	0.079	6.12	208.2	0.1
		11:37:54	30	21.61	48.4	4.26	0.081	6.03	-2.2	0.2
		11:36:52	35	21.3	45.7	4.05	0.083	6	20.3	-2.5
		11:35:50	40	21.06	47.2	4.2	0.081	5.93	33.2	0.5
		11:34:44	45	20.87	39.6	3.54	0.085	5.95	1011.6	-2
		11:33:38	50	20.7	37.9	3.4	0.085	5.91	167.2	-2.3
		11:32:48	55	20.53	36.7	3.31	0.085	5.9	-8.8	-20.4
		11:31:58	60	20.37	32.9	2.97	0.085	5.92	-2.4	-26.6
		11:30:32	65	20.26	29.7	2.68	0.085	5.91	85	-16.6
		11:29:47	70	20.08	26.9	2.44	0.084	5.94	58.9	-34.7
		11:28:29	75	19.6	12.5	1.15	0.125	6.16	15.8	-33.4
WA-7 Lehigh Lake Arm	10/11/2007									
		11:42:19	0	20.25	92.6	8.38	0.086	6.96	5.9	6.3
		11:41:34	5	20.24	92.5	8.36	0.086	6.97	5.8	6.2
		11:39:51	10	19.93	90	8.19	0.089	6.92	7	4.4
		11:38:41	15	19.12	89.6	8.29	0.09	6.83	6.8	4.5
		11:37:40	20	17.27	87.8	8.43	0.093	6.83	20.4	4.3
WA-7 Lehigh Lake Arm	11/6/2007	11:36:38	22	17.21	87.7	8.44	0.093	6.88	46.5	13.3
		13:19:49	0	7.63	94.3	11.27	0.066	6.49	6.9	3.9
		13:18:33	5	7.61	94.2	11.26	0.066	6.52	6.8	6.1
		13:17:36	10	7.59	94.2	11.26	0.066	6.51	6.6	6.2
		13:16:44	15	7.56	94	11.26	0.066	6.51	6.6	6.1
		13:15:41	21	7.54	93.7	11.22	0.066	6.5	60.7	7.1

F.E. Walter Reservoir 2006 Seasonal Temperature Profile (WA-2 Tower)



2006 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-1 Outfall	7/19/2006	10:56:38	0	21.11	96.5	8.58	0.055	6.29	10.6	3
	7/27/2006	9:57:25	0	21.57	95.1	8.39	0.054	6.18	9	2.2
	8/24/2006	15:21:25	0	22.13	92	8.02	0.065	6.69		2.9
	9/20/2006	15:18:42	0	16.89	98.4	9.53	0.053	6.38	3.2	4.1
	10/18/2006	11:59:09	0	11.03	99.2	10.93	0.057	6.52	6.7	3.6
	11/2/2006	11:06:05	0	8.78	117.4	13.64	0.047	6.39	3.2	34.1
WA-2 Lake Tower		10:38:42	0	14.44	125	12.76	0.076	6.77	3	4
		10:38:07	5	14.4	124.9	12.75	0.076	6.75	3	6.2
		10:37:06	10	14.35	123	12.58	0.076	6.69	3.1	7
		10:36:34	15	14.32	119.6	12.24	0.076	6.63	3	6.2
		10:35:55	20	13.03	113.2	11.92	0.076	6.42	2.9	3.4
		10:35:32	25	12.6	111.5	11.85	0.075	6.34	2.8	2.9
		10:35:06	30	12.32	110.3	11.8	0.077	6.31	2.9	2.3
		10:34:41	35	12	109.9	11.85	0.076	6.27	2.8	2
		10:33:12	40	11.78	108.5	11.75	0.076	6.26	2.9	2.4
		10:32:42	45	11.6	107.8	11.73	0.076	6.25	2.9	2
	5/3/2006	10:32:13	50	11.37	107.8	11.79	0.076	6.22	2.9	2
		10:31:34	55	11.26	107.9	11.83	0.074	6.19	3	2.5
		10:30:58	60	11.22	107.9	11.84	0.075	6.2	3	2.1
		10:30:15	65	11.07	108	11.89	0.075	6.18	3	2.1
		10:29:40	70	11.02	107.8	11.88	0.073	6.12	2.9	1.8
		10:28:32	75	10.98	107.9	11.9	0.076	6.15	2.9	2.7
		10:28:05	80	10.95	107.5	11.87	0.075	6.05	3	2.6
		10:27:27	85	10.89	107.2	11.85	0.075	6.04	3	2.4
		10:26:57	90	10.89	107.3	11.86	0.075	5.99	3	2.5
		10:26:25	95	10.73	107	11.88	0.073	5.96	2.9	2.2
		10:25:42	100	10.42	104.8	11.71	0.071	5.94	2.9	2.3
		10:25:12	105	10.4	101.6	11.36	0.071	5.98	3.9	2.4
		10:24:37	110	9.92	96.8	10.94	0.072	5.97	4.2	2.1
		10:23:21	113	9.78	94.2	10.68	0.074	5.92	26.6	3.3
WA-2 Lake Tower		12:12:00	0	14.96	101.6	10.25	0.077	6.45	2.8	2.3
		12:11:35	5	14.88	101.1	10.22	0.078	6.44	2.8	2.6
		12:10:55	10	14.87	100.9	10.2	0.078	6.43	2.8	2.4
		12:10:22	15	14.86	100.8	10.19	0.078	6.43	2.8	2.2
		12:09:44	20	14.86	100.3	10.15	0.077	6.43	2.8	2.1
		12:08:32	25	14.85	99.7	10.08	0.078	6.41	2.8	2.7
		12:07:42	30	14.84	98.1	9.92	0.078	6.4	2.8	2.2
		12:07:02	35	14.76	95.3	9.66	0.078	6.36	2.8	2
		12:06:30	40	14.64	94.6	9.61	0.078	6.34	2.7	1.8
	5/22/2006	12:05:57	45	14.45	95.7	9.76	0.078	6.34	2.7	2.4
		12:05:24	50	14.41	97.2	9.93	0.079	6.36	2.8	2.4
		12:04:45	55	14.22	98	10.04	0.079	6.39	3.1	3
		12:03:51	60	13.99	99.6	10.26	0.076	6.32	3.2	2
		12:03:16	65	13.95	101	10.42	0.078	6.4	3.3	2.2
		12:02:27	70	13.93	103.6	10.69	0.079	6.48	3.3	2.4
		12:02:01	75	13.87	103.5	10.7	0.08	6.51	3.3	2.8
		12:01:24	80	13.75	102.8	10.65	0.08	6.49	3.4	3
		12:01:00	85	13.68	102.6	10.64	0.079	6.48	3.5	3
		12:00:41	90	13.66	102.6	10.65	0.079	6.48	3.5	2.6
		12:00:13	95	13.62	102.3	10.63	0.079	6.48	3.4	2.6
		11:59:44	100	13.57	102.5	10.67	0.079	6.48	3.5	3.5
		11:58:38	105	13.41	102.9	10.74	0.08	6.49	3.6	2.5
		11:57:49	110	13.24	104.1	10.91	0.08	6.52	3.8	2.8

2006 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-2 Lake Tower Secchi 2.3 meters		11:21:52	0	23.69	112.1	9.49	0.078	6.73	1.8	2.3
		11:21:05	5	22.47	108.9	9.44	0.078	6.65	1.8	2.5
		11:19:42	10	18.68	108	10.08	0.077	6.53	1.9	3.2
		11:18:54	15	16.54	98.7	9.63	0.076	6.4	1.9	3.2
		11:18:06	20	15.82	94.8	9.4	0.076	6.33	1.8	2.5
		11:17:07	25	15.28	93.3	9.35	0.076	6.33	1.8	2.8
		11:15:08	30	14.93	92	9.29	0.077	6.32	1.7	2.1
		11:14:28	35	14.67	91.5	9.3	0.077	6.31	1.8	1.8
	6/1/2006	11:13:39	40	14.48	91.9	9.37	0.077	6.34	1.7	2.2
		11:12:36	45	14.39	91.4	9.33	0.077	6.31	1.8	2.2
		11:11:12	50	14.31	90.9	9.3	0.076	6.28	1.7	1.9
		11:10:03	55	14.25	89.9	9.21	0.076	6.27	1.8	1.9
		11:09:20	60	14.14	89.1	9.16	0.075	6.24	1.9	1.8
		11:08:31	65	14.06	89.3	9.18	0.076	6.27	1.8	1.5
		11:07:53	70	14	88.9	9.16	0.075	6.25	1.9	1.7
		11:07:11	75	13.93	87.9	9.08	0.075	6.25	2	1.6
		11:06:40	80	13.85	90	9.3	0.075	6.28	1.9	1.9
		11:05:59	85	13.73	89.2	9.25	0.075	6.27	2.1	1.7
		11:04:42	90	13.69	87.1	9.04	0.075	6.24	2.1	1.7
		11:03:55	95	13.57	87.8	9.14	0.076	6.3	2.1	1.9
		11:03:19	100	13.43	87.1	9.08	0.076	6.31	2.4	1.9
		11:02:41	105	13.5	84	8.75	0.076	6.31	3.5	1.9
		11:02:03	110	13.08	79.1	8.32	0.077	6.31	4.1	2.2
		11:01:14	113	13.02	79	8.32	0.077	6.3	5.2	2.2
WA-2 Lake Tower										
		13:58:52	0	24.57	115.5	9.62	0.078	6.8	2	3.6
		13:58:20	5	23.55	112.1	9.52	0.077	6.72	2	5.1
		13:57:22	10	22.41	101.6	8.81	0.077	6.54	1.9	3.2
		13:56:14	15	20.28	95.7	8.65	0.076	6.45	1.9	2.3
		13:55:06	20	19.33	86.5	7.97	0.076	6.34	1.9	2.2
		13:54:12	25	18.53	79.4	7.43	0.076	6.27	1.9	1.9
		13:53:12	30	17.98	74.8	7.09	0.077	6.25	1.9	2.1
		13:52:34	35	17.58	75.2	7.18	0.077	6.24	1.9	2.2
		13:51:15	40	17.29	76.7	7.37	0.077	6.23	1.9	2.2
	6/23/2006	13:50:41	45	17.04	76.9	7.42	0.076	6.22	1.9	2.3
		13:49:55	50	16.82	75.4	7.32	0.076	6.2	2	1.9
		13:49:16	55	16.63	73.6	7.17	0.078	6.22	1.9	2.2
		13:48:32	60	16.51	65.2	6.36	0.075	6.05	2.3	1.9
		13:47:31	65	16.43	65.3	6.39	0.075	6.03	2.4	1.5
		13:46:00	70	16.24	71	6.97	0.077	6.17	2.1	1.9
		13:45:00	75	16.05	69.5	6.85	0.077	6.16	2.2	2.1
		13:44:17	80	15.98	67	6.62	0.078	6.18	2.4	2.3
		13:43:24	85	15.9	66.3	6.55	0.078	6.18	2.5	1.6
		13:42:44	90	15.91	65.5	6.47	0.078	6.19	3.6	2.2
		13:42:11	95	15.8	65	6.44	0.079	6.19	17	3.6
		13:40:40	100	15.79	62.5	6.2	0.079	6.21	10.6	2.3
		13:40:01	105	15.71	58.4	5.8	0.079	6.23	71.1	4.8
		13:39:04	110	15.46	49	4.89	0.08	6.26	8.6	3.4
		13:38:26	112	15.31	46	4.61	0.081	6.27	803.7	10.6

2006 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-2 Lake Tower Secchi 1.05 M		9:23:12	0	26.94	91.1	7.26	0.049	6.32	3.1	6.2
		9:22:02	5	26.89	85.9	6.86	0.049	6.26	3.2	4.9
		9:21:10	10	24.31	60.5	5.06	0.049	5.94	3.6	4.9
		9:20:02	15	23.39	52.7	4.49	0.049	5.9	2.6	3.9
		9:18:28	20	22.76	48.8	4.2	0.051	5.95	2.9	3.7
		9:16:49	25	22.24	47.8	4.16	0.05	5.85	3.3	3.3
		9:15:27	30	22.01	45.7	4	0.049	5.81	3.2	3.5
		9:14:06	35	21.8	45	3.95	0.048	5.8	2.8	3.7
		9:13:19	40	21.63	43.9	3.87	0.048	5.77	3.8	4.2
		9:12:26	45	21.54	43.7	3.86	0.049	5.78	3.6	3.8
		9:11:41	50	21.44	43.3	3.83	0.048	5.74	3.2	3.7
	7/19/2006	9:11:04	55	21.41	43.9	3.89	0.047	5.74	2.7	3.5
		9:10:29	60	21.48	43.9	3.88	0.048	5.76	3	3.5
		9:07:39	70	21.12	42.3	3.76	0.049	5.82	3.9	4
		9:06:30	75	21	43.5	3.87	0.052	5.92	5.3	2.9
		9:03:56	80	20.99	43.7	3.9	0.051	5.92	5.2	3.5
		9:02:32	85	21	44.5	3.96	0.052	5.94	4.8	2.9
		9:01:17	90	20.82	45.7	4.09	0.054	6	6.6	3.1
		9:00:17	95	20.74	45	4.03	0.057	6.02	7.7	2.5
		8:58:58	100	20.66	45.5	4.08	0.058	6.03	8.5	2.3
		8:57:47	105	20.52	46.8	4.21	0.059	6.07	10.9	2.2
		8:56:36	110	20.48	50.3	4.53	0.06	6.09	11.5	3
		8:55:31	115	20.09	45.6	4.13	0.063	6.18	19.2	2.7
WA-2 Lake Tower		11:21:43	0	26.25	87.2	7.04	0.051	6.39	2.7	3.8
		11:20:51	5	25.03	76	6.28	0.051	6.24	2.8	4.1
		11:20:03	10	24.01	52.4	4.41	0.05	5.98	2.9	4.7
		11:19:10	15	23.52	36	3.06	0.052	5.9	2.9	4.2
		11:18:28	20	22.96	39.1	3.36	0.056	6.02	2.7	4.4
		11:17:45	25	22.81	38.7	3.33	0.055	5.99	2.8	3.9
		11:17:07	30	22.58	38.1	3.29	0.054	5.98	2.7	3.4
		11:16:17	35	22.42	35.8	3.1	0.054	5.95	2.5	3.3
		11:15:42	40	22.23	33	2.87	0.052	5.84	3	3.1
		11:15:03	45	22.1	37.5	3.27	0.055	5.97	3.2	3
	7/27/2006	11:14:09	50	21.97	39.4	3.45	0.056	6.02	3.2	2.8
		11:13:33	55	21.91	37.3	3.27	0.054	5.96	3.3	2.8
		11:13:00	60	21.87	35.2	3.08	0.054	5.94	3.5	2.9
		11:12:26	65	21.77	33.9	2.98	0.052	5.84	4	2.1
		11:11:35	70	21.71	35.5	3.12	0.052	5.84	4.7	2.4
		11:10:31	75	21.62	36.7	3.23	0.051	5.79	5.8	2.3
		11:09:48	80	21.56	39.1	3.45	0.051	5.82	6.7	2.4
		11:08:11	85	21.35	45.5	4.02	0.053	5.91	7.8	2.5
		11:07:29	90	21.18	50.2	4.46	0.055	6.07	8.5	2.3
		11:06:39	95	21.01	50.4	4.49	0.056	6.09	9	2.4
		11:06:00	100	20.94	51.1	4.56	0.056	6.08	9.9	2.8
		11:05:07	105	20.89	50.2	4.49	0.056	6.11	11.9	2
		11:04:08	107	20.66	43.5	3.91	0.059	6.14	25	4

2006 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-2 Lake Tower Secchi 1.55 M										
		13:27:44	0	24.16	83.4	7	0.055	6.43		6.8
		13:25:55	5	23.73	76.1	6.44	0.055	6.33		7.5
		13:24:56	10	23.7	74.8	6.33	0.055	6.29		7.4
		13:23:32	15	23.34	55.7	4.75	0.055	6.16		6.2
		13:22:14	20	23.24	40.9	3.49	0.055	6.09		4.3
		13:20:15	25	23.12	32.2	2.76	0.055	6.02		4.1
		13:18:59	30	23.04	23	1.98	0.055	6.02		4.2
		13:17:34	35	22.91	14.8	1.27	0.056	5.99		3.4
	8/24/2006	13:16:13	40	22.78	16.4	1.41	0.056	5.99		3.3
		13:14:25	45	22.74	16.5	1.42	0.056	6.01		3.4
		13:13:34	50	22.67	16.6	1.43	0.056	6.01		3
		13:12:29	55	22.45	17.8	1.54	0.057	6.04		3.1
		13:10:41	60	22.39	21	1.82	0.058	6.09		2.7
		13:09:07	65	22.27	23.2	2.02	0.06	6.15		2.4
		13:07:38	70	22.21	28.3	2.46	0.061	6.21		3
		13:06:14	75	22.15	32.8	2.86	0.064	6.29		2.8
		13:04:32	80	22.04	38.6	3.38	0.067	6.35		3.4
		13:03:16	85	21.74	38.9	3.42	0.069	6.39		2.8
		13:02:25	90	21.68	41.4	3.64	0.07	6.42		3
		13:01:14	95	21.52	41.7	3.68	0.071	6.45		3.9
	13:00:13	100	21.38	42.1	3.73	0.072	6.47		4	

WA-2 Lake Tower Secchi 2.0 M										
		13:37:53	0	18.74	83.1	7.75	0.054	6.36	2.1	4
		13:36:22	5	18.59	77.8	7.28	0.054	6.32	2	4.3
		13:35:23	10	18.29	71.6	6.73	0.055	6.27	1.7	3.9
		13:34:23	15	17.9	67.9	6.44	0.056	6.24	1.6	3.6
		13:33:37	20	17.51	67.5	6.46	0.058	6.3	1.5	3.6
		13:32:27	25	17.44	68.4	6.55	0.058	6.31	1.5	3.9
		13:31:47	30	17.37	69.2	6.64	0.059	6.31	1.6	3.8
		13:30:53	35	17.28	71	6.82	0.058	6.31	1.7	3.7
		13:29:57	40	17.24	70.5	6.78	0.059	6.32	1.6	3.9
	9/20/2006	13:28:42	45	17.19	70.2	6.75	0.058	6.33	1.7	3.7
		13:27:23	50	17.14	76.3	7.35	0.056	6.35	2.1	3.9
		13:26:21	55	17.07	76.4	7.38	0.056	6.34	2.2	4.3
		13:24:31	60	16.96	80.5	7.79	0.055	6.37	2.3	4.5
		13:23:26	65	16.87	81.7	7.92	0.054	6.35	2.3	4.9
		13:22:30	70	16.77	80.7	7.84	0.054	6.34	2.4	4.5
		13:21:30	75	16.67	81	7.88	0.054	6.31	2.5	4.5
		13:19:59	80	16.64	80.2	7.81	0.052	6.27	2.5	4.1
		13:19:14	85	16.58	80.1	7.81	0.05	6.27	2.7	3.6
		13:18:24	90	16.53	81.2	7.92	0.053	6.27	3	3.4
		13:16:06	95	16.4	78.7	7.7	0.051	6.24	4.3	3.7
	13:15:01	100	16.29	76.3	7.48	0.052	6.24	6.9	3.7	
	13:13:48	105	16.26	74.6	7.32	0.052	6.24	8	4	
	13:12:05	110	16.24	69.1	6.79	0.053	6.24	11.4	4	
	13:10:24	116	16.16	54.5	5.36	0.056	6.26	28.9	4.6	

2006 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-2 Lake Tower Secchi 1.30 M		13:05:26	0	13	84.8	8.93	0.051	6.47	4.3	4.7
		13:04:05	5	11.87	84.3	9.11	0.054	6.52	4.5	3.2
		13:02:53	10	11.63	86.5	9.39	0.055	6.53	4.7	3.1
		13:01:05	15	10.81	90.5	10.03	0.058	6.58	6	3.1
	10/18/2006	12:59:54	20	10.48	91.5	10.21	0.059	6.58	7.1	3.4
		12:59:06	25	10.37	91.5	10.23	0.06	6.57	8.1	3.4
		12:57:51	30	10.37	91.2	10.2	0.06	6.55	7.8	3.4
		12:56:05	35	10.29	90.6	10.16	0.06	6.5	8.6	3.7
		12:54:45	40	9.77	88.7	10.07	0.059	6.46	10.9	3.4
		12:53:30	45	9.48	86.8	9.92	0.06	6.43	11.6	3.3
		12:52:21	50	9.36	81.7	9.36	0.062	6.42	25.4	3.2
		12:50:43	54	9.46	80.1	9.16	0.062	6.45	38.2	4.3
WA-2 Lake Tower Secchi 2.1 M		12:04:57	0	9.09	112.9	13.03	0.045	6.43	2.1	3.1
		12:04:13	5	8.94	113	13.08	0.046	6.48	2.1	3.4
		12:03:30	10	8.95	112.9	13.07	0.048	6.48	2.1	4.2
		12:02:00	15	8.93	112.9	13.07	0.049	6.48	2.1	3.6
	11/2/2006	12:01:08	20	8.93	113	13.08	0.049	6.48	2.2	3.7
		12:00:30	25	8.93	113	13.08	0.049	6.46	2.3	3.9
		11:59:54	30	8.92	112.9	13.08	0.049	6.45	2.3	3.9
		11:59:14	35	8.87	112.8	13.08	0.049	6.42	2.5	3.9
		11:58:27	40	8.8	112.4	13.06	0.048	6.39	2.1	3.8
		11:57:30	45	8.75	111.4	12.96	0.047	6.32	2.5	3.4
		11:56:44	50	6.56	108.8	13.36	0.048	6.29	5	3.5
		11:56:05	53	6.43	110	13.54	0.05	6.31	7.1	4.4
WA-3 Tobyhanna Creek Upstream	7/19/2006	7:07:07	0	21.33	102.4	9.07	0.065	6.67	4.1	3.5
	8/24/2006	11:34:54	0	18.82	98.7	9.18	0.084	7.47	1.6	2.4
	9/20/2006	11:29:39	0	15.83	94.3	9.34	0.066	6.51	2.2	6.3
	10/18/2006	11:33:35	0	11.38	99.8	10.91	0.068	6.7	3.2	5.6
	11/2/2006	10:40:38	0	7.35	117.3	14.11	0.064	6.4	2.1	5.3
WA-4 Lehigh River Upstream	7/19/2006	7:25:14	0	21.24	86.2	7.65	0.065	6.7	3.2	3.7
	8/24/2006	11:21:39	0	18.69	115.8	10.8	0.077	7.63	1.7	1.3
	9/20/2006	11:12:52	0	14.64	98.4	10	0.05	6.52	1.6	3.1
	10/18/2006	11:18:13	0	10.89	101.1	11.18	0.055	6.9	2.7	4.3
	11/2/2006	10:25:01	0	7.96	118.5	14.04	0.047	6.18	3.2	3.5
WA-5 Bear Creek Upstream	7/19/2006	7:52:58	0	22.25	94.9	8.26	0.041	6.17	2.4	1.7
	8/24/2006	10:57:35	0	18.24	95.6	9	0.071	7.44	1.7	1.1
	9/20/2006	10:47:56	0	15.65	95.2	9.46	0.041	7.23	1.8	2.5
	10/18/2006	10:58:08	0	9.72	99.8	11.34	0.048	7.82	1.9	1.9
	11/2/2006	10:05:15	0	8.62	94.7	11.05	0.039	6.2	2.2	2.6

2006 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-6 Bear Creek Lake Arm	7/19/2006	10:13:08	0	27.33	95.5	7.57	0.049	6.41	3.7	6.8
		10:11:11	5	26.89	88	7.03	0.049	6.3	3.6	5.8
		10:10:10	10	24.42	61.4	5.13	0.049	5.96	4.2	4.2
		10:09:23	15	23.3	50.1	4.27	0.05	5.91	3	4
		10:08:13	20	22.81	45.1	3.88	0.051	5.86	3.2	3
		10:06:59	25	22.32	45.2	3.93	0.05	5.83	3.6	3.9
		10:06:19	30	21.93	42.7	3.74	0.05	5.79	3.7	3.6
		10:05:14	35	21.72	40.3	3.54	0.05	5.78	3.1	3.3
		10:04:18	40	21.6	42.4	3.73	0.049	5.77	3	3.9
		10:03:34	45	21.51	42	3.71	0.049	5.82	4.3	3.4
		10:02:13	50	21.42	41.2	3.64	0.049	5.8	3.8	3.5
		10:01:11	55	21.27	41.3	3.66	0.051	5.91	4.1	3.3
		10:00:12	60	21.18	38.4	3.41	0.052	5.88	4.8	2.6
		9:59:05	65	21.09	42.4	3.77	0.053	5.94	4.3	3
		9:58:21	70	21.06	48.4	4.31	0.055	6.06	5.6	2.5
		9:56:38	75	20.97	41.5	3.7	0.055	6	6.5	2.8
		9:55:45	80	20.85	40.2	3.59	0.055	6.02	8.8	2.5
		9:54:51	85	20.69	35.9	3.22	0.056	6.02	22.1	3.6
WA-6 Bear Creek Lake Arm	8/24/2006	14:36:12	0	25.71	89.7	7.32	0.055	6.46	3.7	7.1
		14:34:55	5	23.76	77	6.51	0.055	6.35	3.3	8.8
		14:33:50	10	23.7	75.4	6.38	0.055	6.28	3.2	7.4
		14:31:37	15	23.39	55.8	4.75	0.055	6.12	2.9	6.1
		14:29:53	20	23.17	34.4	2.94	0.055	6	3.1	4.1
		14:28:25	25	23.12	29.5	2.53	0.055	5.99	3.2	3.6
		14:27:09	30	23	24.5	2.1	0.055	5.98	3.6	3.1
		14:25:49	35	22.93	21	1.8	0.055	6.01	3.7	4.1
		14:24:52	40	22.81	23.6	2.03	0.059	6.06	3.1	3.1
		14:23:29	45	22.75	26.5	2.29	0.06	6.08	3.4	3.1
		14:21:53	50	22.59	20	1.73	0.058	6.01	2.8	2.7
		14:20:14	55	22.5	20.6	1.79	0.058	5.99	4.1	3
		14:18:48	60	22.42	23.4	2.03	0.058	6.01	5.2	3.4
		14:17:14	65	22.35	23.1	2.01	0.057	6	5.8	2.9
		14:15:46	70	22.14	20.5	1.79	0.058	6.04	11.9	3.9
		14:14:41	75	21.94	19.8	1.73	0.061	6.17	330.6	-0.6
WA-6 Bear Creek Lake Arm	9/20/2006	14:31:08	0	18.61	81.9	7.65	0.054	6.35	2	4.8
		14:29:53	5	18.63	80.6	7.54	0.054	6.31	2.1	4.1
		14:28:49	10	18.38	71.8	6.75	0.054	6.25	1.8	4.3
		14:28:04	15	17.68	67.8	6.46	0.056	6.23	1.7	3.7
		14:27:12	20	17.54	67.8	6.48	0.057	6.25	1.7	3.6
		14:25:54	25	17.43	70.6	6.77	0.057	6.27	1.8	3.9
		14:24:54	30	17.38	72.2	6.92	0.056	6.28	2	3.9
		14:23:17	35	17.31	73.3	7.04	0.056	6.25	2	4.1
		14:22:21	40	17.28	70.9	6.81	0.057	6.2	1.9	3.7
		14:20:54	45	17.14	66.6	6.42	0.053	6.11	2	2.8
		14:19:51	50	17.08	68.4	6.6	0.052	6.09	2.1	2.7
		14:18:29	55	16.95	71.7	6.94	0.049	6.06	2.4	2.9
		14:17:31	60	16.93	71.8	6.95	0.049	6.08	2.3	2.5
		14:16:17	65	16.92	72.3	7	0.048	6.06	2.3	2.9
		14:15:34	70	16.86	73	7.07	0.047	6.06	2.5	3
		14:14:09	75	16.78	74.1	7.19	0.046	6.09	2.8	2.5
		14:13:17	80	16.66	74.5	7.25	0.046	6.14	3.4	2.5
		14:11:31	87	16.56	77.5	7.56	0.047	6.3	4.3	3.2

2006 F.E. Walter Water Quality Profiles

Station	Date	Time	Depth	Temp	DO	DO	SpCond	pH	Turbidity +	Chloro.
	M/D/Y	hh:mm:ss	ft	C	%	mg/L	mS/cm		NTU	ug/L
WA-6 Bear Creek Lake Arm		13:46:57	0	13.01	84.7	8.93	0.051	6.28	4.9	4.8
		13:45:29	5	12.08	84.5	9.09	0.05	6.25	5.9	3.6
		13:44:19	10	11.39	87.2	9.52	0.051	6.24	6	3.1
	10/18/2006	13:43:07	15	10.81	88.1	9.75	0.048	6.2	8.8	2.6
		13:42:02	20	10.59	89.3	9.94	0.047	6.19	8.5	2.5
		13:40:43	25	10.43	90.8	10.14	0.047	6.23	9	2.7
		13:39:45	30	10.17	90.5	10.17	0.046	6.26	19.7	2.7
		13:38:50	35	10.14	88.7	9.98	0.046	6.32	43.4	3.1
WA-6 Bear Creek Lake Arm										
		12:44:40	0	8.58	113	13.19	0.041	6.23	2.5	2.3
		12:43:48	5	8.5	112.9	13.21	0.04	6.25	2.5	2.3
	11/2/2006	12:42:56	10	8.45	112.8	13.22	0.04	6.3	2.5	2.7
		12:41:34	15	8.34	112.3	13.19	0.041	6.46	3.3	2.4
		12:40:41	20	8.26	111.9	13.17	0.044	6.53	5	3.2
		12:39:16	25	7.9	111.7	13.26	0.05	6.56	19.2	3.7
WA-7 Lehigh Lake Arm										
		9:49:33	0	26.99	90.9	7.24	0.051	6.4	3.9	7.6
		9:48:14	5	26.75	85.5	6.85	0.051	6.35	4.1	5.2
		9:47:09	10	24.54	59.7	4.98	0.05	6.02	4.1	4.2
		9:46:28	15	23.3	52.3	4.46	0.051	5.97	3.3	4.3
		9:45:27	20	22.6	49.1	4.24	0.052	5.96	3.5	3.3
		9:44:45	25	22.17	47.3	4.13	0.052	5.94	3.5	3.3
		9:44:04	30	21.94	46.4	4.06	0.052	5.96	4	3.4
	7/19/2006	9:43:25	35	21.77	45.4	3.99	0.052	5.96	4.3	3.3
		9:42:44	40	21.65	43	3.79	0.052	5.97	4.1	3.2
		9:42:03	45	21.49	44.3	3.91	0.052	5.97	4.4	3.4
		9:40:09	50	21.37	44.9	3.97	0.051	5.94	4.2	3.9
		9:39:33	55	21.31	49.6	4.4	0.055	6.09	4.6	3
		9:38:46	60	21.26	49.6	4.4	0.056	6.1	5.3	2.6
		9:38:14	65	21.19	49.8	4.42	0.059	6.12	5.3	3.2
		9:37:38	70	21.14	49.2	4.38	0.06	6.14	7.6	2.6
		9:36:54	75	21.07	46.4	4.13	0.06	6.14	6.8	2.1
		9:35:39	80	20.95	39.5	3.52	0.062	6.15	10.5	2.4
		9:34:32	85	20.54	21.3	1.91	0.065	6.17	14.1	3
		9:33:45	90	20.19	17.1	1.55	0.069	6.31	1138	8.9
	9:33:07	91	20.18	17.5	1.58	0.068	6.31	16.3	1.6	
WA-7 Lehigh Lake Arm										
		14:06:46	0	24.73	85.4	7.09	0.055	6.46	3.8	8.5
		14:05:18	5	23.89	76.2	6.43	0.055	6.36	3.8	8.1
		14:03:57	10	23.7	70.6	5.98	0.055	6.28	3.6	7.8
		14:01:58	15	23.43	51.7	4.4	0.055	6.15	2.8	5.5
		14:00:42	20	23.28	33.9	2.9	0.055	6.08	2.5	4.3
		13:59:46	25	23.13	31.3	2.68	0.06	6.12	3.1	3.8
	8/24/2006	13:59:01	30	23.06	31	2.66	0.06	6.11	3.7	3.2
		13:57:19	35	22.93	22.9	1.97	0.059	6.06	3.1	2.9
		13:56:21	40	22.86	19.4	1.67	0.058	6.03	2.7	3.4
		13:55:18	45	22.74	18.7	1.61	0.058	6.05	2.5	3
		13:53:21	50	22.6	19.8	1.71	0.059	6.1	2.7	2.7
		13:51:56	55	22.52	24.5	2.12	0.061	6.16	3	2.5
		13:50:17	60	22.44	33	2.86	0.063	6.25	4.4	2.8
		13:49:05	65	22.32	41.4	3.6	0.066	6.29	5.4	3
		13:47:56	70	22.08	44.9	3.92	0.068	6.31	11.3	374
	13:46:11	74	21.49	41.5	3.67	0.075	6.34	29.5	4.6	

2006 F.E. Walter Water Quality Profiles

Station	Date M/D/Y	Time hh:mm:ss	Depth ft	Temp C	DO %	DO mg/L	SpCond mS/cm	pH	Turbidity + NTU	Chloro. ug/L
WA-7 Lehigh Lake Arm		13:59:51	0	18.63	84.1	7.86	0.054	6.42	2.1	4.6
		13:58:54	5	18.61	83.6	7.82	0.054	6.41	2.1	4.4
		13:57:50	10	18.54	82.2	7.7	0.054	6.38	2	4.5
		13:56:45	15	18.22	79.8	7.52	0.055	6.37	1.9	4.4
		13:55:56	20	17.7	71.7	6.83	0.056	6.32	1.9	4.2
		13:55:11	25	17.58	74.6	7.12	0.056	6.35	1.9	3.6
	9/20/2006	13:54:19	30	17.45	78.7	7.54	0.056	6.4	2	4.1
		13:53:40	35	17.35	80.2	7.69	0.055	6.44	2.1	5.1
		13:52:42	40	17.28	82	7.88	0.055	6.43	2.2	4.8
		13:52:02	45	17.23	82.6	7.95	0.055	6.44	2.4	4.9
		13:51:23	50	17.17	83	8	0.055	6.45	2.5	4.8
		13:50:43	55	17.09	83.1	8.02	0.055	6.44	2.6	4.9
		13:49:55	60	16.92	82.7	8.01	0.055	6.42	3.3	4.9
		13:49:20	65	16.85	81.7	7.92	0.055	6.4	3.5	4.6
		13:48:27	70	16.71	79.1	7.69	0.055	6.36	4.2	4.9
		13:46:03	80	16.61	78.9	7.69	0.055	6.38	4.1	4.8
		13:44:45	87	16.46	75.7	7.4	0.056	6.42	10.4	5.1
WA-7 Lehigh Lake Arm										
		13:27:18	0	12.84	86	9.09	0.052	6.55	4.1	5.8
		13:25:26	5	12.7	87	9.23	0.053	6.62	4.2	5.9
	10/18/2006	13:24:36	10	12.31	89.3	9.56	0.055	6.67	4.6	5
		13:23:24	15	11.77	94.3	10.22	0.058	6.71	5.7	4.5
		13:22:36	20	11.21	96.4	10.58	0.06	6.71	7.9	4.6
		13:21:22	25	11.03	95.3	10.5	0.06	6.66	27.2	4.8
		13:20:00	27	10.96	94.9	10.48	0.06	6.64	149.9	7.9
WA-7 Lehigh Lake Arm										
		12:21:49	0	7.99	114.3	13.54	0.053	6.68	3.4	4.1
		12:20:49	5	7.96	114.6	13.58	0.053	6.68	3.5	4.2
	11/2/2006	12:20:06	10	7.92	114.8	13.62	0.053	6.68	4	3.8
		12:18:21	15	7.86	114.4	13.6	0.053	6.68	3.8	4.2
		12:17:37	20	7.85	113.6	13.5	0.053	6.67	7.2	4.6
		12:16:37	25	7.85	110	13.07	0.053	6.65	484.2	16.5
		12:16:04	27	7.84	110.5	13.14	0.054	6.43	4.4	2.9