

APPENDIX B: WATER QUALITY DATA

LAKE AGNES POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	6.61	7	0	130	35.0	13.5	9.6	5.2	19.3	24.0
1/17/80	2	6.61	7	0	130	35.0	13.5	9.4	5.2	19.5	27.0
1/17/80	3	6.59	7	0	130	35.0	13.5	9.5	5.1	19.8	20.0
5/14/80	1	7.16	6	0	130	36.0	13.0	9.3	5.1	20.8	27.0
5/14/80	2	7.31	7	0	130	36.0	13.5	9.2	5.1	20.8	25.0
5/14/80	3	7.34	7	0	130	36.0	12.5	9.2	5.0	21.0	26.0
8/05/80	1	7.08	4	0	112	33.0	13.0	10.0	4.6	21.0	32.4
8/05/80	2	7.10	5	0	116	33.0	14.0	10.0	4.6	20.8	30.0
8/05/80	3	6.82	6	0	120	33.5	14.5	10.0	4.6	21.0	28.3
MEAN		6.87	6	0	125	34.7	13.4	9.6	4.9	20.4	26.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	1.1	180.4	858	79.1	10.0	75	0.9
1/17/80	2	1.1	180.2	833	75.7	8.1	75	0.9
1/17/80	3	1.1	189.6	841	70.0	9.9	75	0.8
5/14/80	1	0.6	191.4	797	84.8	24.9	100	0.6
5/14/80	2	0.6	210.1	1020	29.5	21.9	100	0.7
5/14/80	3	0.6	202.6	848	32.3	20.7	90	0.7
8/05/80	1	1.2	129.5	***	38.8	24.5	60	1.1
8/05/80	2	1.4	183.6	840	39.8	23.8	60	1.1
8/05/80	3	1.2	136.3	848	40.5	24.4	60	1.0
MEAN		1.0	178.2	860	54.5	18.7	77	0.9

ALLIGATOR LAKE COLUMBIA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	6.94	42	0	100	45.0	34.0	5.0	0.5	6.8	2.5
9/08/79	2	7.00	42	0	100	45.0	41.0	6.2	0.6	6.5	2.9
9/08/79	3	6.91	41	0	100	45.0	39.0	5.0	0.6	6.8	2.8
2/27/80	1	7.49	38	0	138	55.5	43.5	11.0	1.8	12.3	13.0
2/27/80	2	7.63	40	0	138	56.5	43.5	11.0	1.8	12.3	12.0
2/27/80	3	7.95	42	0	142	58.5	45.5	11.0	1.7	12.5	11.0
7/02/80	1	9.90	33	12	96	37.0	27.5	3.5	0.9	6.0	9.3
7/02/80	2	9.74	33	11	92	36.0	27.0	3.5	0.9	5.8	6.9
7/02/80	3	9.77	33	12	86	36.5	27.5	3.7	0.9	6.0	9.0
MEAN		7.35	38	4	110	46.1	36.5	6.7	1.1	8.3	7.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI m
9/08/79	1	1.6	291.6	1830	183.4	64.1	30	0.6
9/08/79	2	1.8	266.4	2010	205.5	60.9	30	0.6
9/08/79	3	1.6	368.6	1990	213.2	47.9	30	0.6
2/27/80	1	3.8	139.2	2330	828.8	16.5	40	0.4
2/27/80	2	3.7	153.9	2130	726.8	18.3	40	0.4
2/27/80	3	3.8	175.8	2320	876.6	17.0	40	0.4
7/02/80	1	1.9	242.0	783	165.7	63.3	35	0.5
7/02/80	2	1.8	271.6	754	195.2	68.4	35	0.5
7/02/80	3	1.9	370.0	711	62.3	96.8	35	0.4
MEAN		2.4	253.2	1650	384.2	50.4	35	0.5

ALLIGATOR LAKE OSCEOLA COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/29/80	1	5.59	2	0	96	19.5	7.0	11.0	1.6	21.3	8.4	
1/29/80	2	5.69	3	0	96	20.0	7.0	11.0	1.6	21.3	7.9	
1/29/80	3	5.70	2	0	96	20.0	7.5	11.0	1.6	21.5	6.4	
6/01/80	1	6.26	3	0	108	20.5	10.5	10.0	1.5	22.3	14.0	
6/01/80	2	5.64	2	0	108	21.5	10.5	10.0	1.5	22.0	14.0	
6/01/80	3	5.13	2	0	108	20.5	10.5	10.0	1.5	22.3	11.0	
8/19/80	1	6.09	2	0	112	21.0	9.0	12.0	1.8	24.0	15.0	
8/19/80	2	6.10	2	0	111	21.0	8.5	13.0	1.8	24.0	13.0	
8/19/80	3	5.91	2	0	111	21.0	8.0	13.0	1.8	23.8	12.0	
MEAN		5.66	2	0	105	20.6	8.7	11.2	1.6	22.5	11.3	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/29/80	1	0.4	215.9	608	15.1	5.0	60	1.3
1/29/80	2	0.5	197.8	616	15.1	5.8	60	1.3
1/29/80	3	0.4	194.2	608	15.1	4.2	60	1.2
6/01/80	1	0.2	227.1	582	6.9	3.0	50	1.3
6/01/80	2	0.2	234.7	618	18.8	3.0	50	1.4
6/01/80	3	0.2	227.7	603	22.1	2.8	50	1.4
8/19/80	1	0.5	138.2	481	13.3	4.1	30	2.0
8/19/80	2	0.5	144.4	503	11.2	4.8	30	2.3
8/19/80	3	0.4	144.4	510	14.1	3.2	30	2.3
MEAN		0.3	191.6	570	14.6	4.0	47	1.6

LAKE APOPKA LAKE/ORANGE COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	9.34	129	18	320	157.5	94.0	18.0	10.0	38.5	25.0	
11/06/79	2	9.30	129	18	325	160.5	97.5	17.0	10.0	35.0	24.0	
11/06/79	3	9.25	129	16	320	160.5	99.0	18.0	10.0	34.5	19.0	
3/27/80	1	8.80	143	9	380	180.0	115.0	18.0	10.0	33.5	21.0	
3/27/80	2	8.54	145	3	375	181.0	114.0	18.0	9.8	33.0	20.0	
3/27/80	3	8.60	143	4	380	179.0	115.0	19.0	9.5	33.5	19.0	
7/21/80	1	8.88	123	10	320	153.0	77.0	27.0	10.0	36.8	27.6	
7/21/80	2	8.92	121	9	320	155.0	77.0	20.0	10.0	36.8	26.6	
7/21/80	3	8.92	120	9	320	154.5	77.0	19.0	11.0	36.8	26.7	
MEAN		8.87	131	11	340	164.6	96.2	19.3	10.0	35.4	23.2	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	8.5	56.0	3420	170.6	100.4	40	0.3
11/06/79	2	8.6	54.9	3460	128.7	124.1	40	0.3
11/06/79	3	8.4	43.1	3160	114.6	121.9	40	0.2
3/27/80	1	1.3	31.4	4760	166.6	154.4	40	0.2
3/27/80	2	1.2	28.4	4870	196.3	125.8	40	0.2
3/27/80	3	1.1	29.2	6010	206.7	152.4	40	0.2
7/21/80	1	2.2	28.0	4950	161.3	225.1	30	0.1
7/21/80	2	2.2	18.8	5390	142.1	214.1	30	0.1
7/21/80	3	2.3	34.5	5330	208.9	186.4	30	0.1
MEAN		4.0	36.0	4594	166.2	156.1	37	0.2

LAKE ARBUCKLE POLK COUNTY

DATE	SAMPLE	PH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25° C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	6.91	11	0	106	35.0	24.0	7.0	2.7	11.8	21.0
1/17/80	2	6.90	11	0	105	35.0	24.0	6.9	2.6	12.0	16.0
1/17/80	3	6.90	11	0	105	35.0	24.0	6.8	2.6	11.8	24.0
5/14/80	1	7.03	12	0	115	38.5	25.0	7.3	2.5	13.0	28.0
5/14/80	2	7.03	12	0	114	38.5	25.0	7.2	2.4	13.0	27.0
5/14/80	3	7.03	12	0	114	38.5	25.0	7.4	2.4	13.0	26.0
8/05/80	1	7.25	8	0	100	34.0	23.0	8.9	2.4	13.5	36.8
8/05/80	2	6.98	8	0	100	35.0	23.0	8.7	2.4	13.5	35.2
8/05/80	3	6.92	7	0	110	35.0	23.0	8.6	2.5	13.5	34.5
MEAN		6.98	10	0	108	36.1	24.0	7.6	2.5	12.8	27.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	3.6	158.7	858	70.5	20.2	175	0.8
1/17/80	2	3.4	158.7	1050	56.7	22.4	175	0.8
1/17/80	3	1.2	165.1	1033	61.0	16.3	175	0.8
5/14/80	1	3.2	192.4	704	16.3	7.2	100	0.6
5/14/80	2	3.4	188.5	718	21.5	9.8	100	0.6
5/14/80	3	3.4	*** *	668	46.4	10.2	100	0.6
8/05/80	1	1.7	121.1	876	56.9	27.8	60	1.0
8/05/80	2	1.6	126.9	855	54.6	29.2	60	1.0
8/05/80	3	1.9	125.0	862	57.6	27.6	60	0.9
MEAN		2.6	154.6	847	49.1	19.0	112	0.8

ARIANA LAKE POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	7.83	36	0	210	70.0	34.5	15.0	5.9	21.8	42.0
1/17/80	2	7.85	36	0	210	70.0	34.5	15.0	5.6	21.8	38.0
1/17/80	3	7.83	36	0	210	70.0	34.5	15.0	5.5	22.0	32.0
5/14/80	1	7.65	36	0	210	73.0	37.0	15.0	5.1	22.5	46.0
5/14/80	2	7.82	36	0	210	73.0	37.0	15.0	5.2	22.5	43.0
5/14/80	3	7.82	36	0	215	73.0	37.5	15.0	5.2	22.5	39.0
8/05/80	1	9.00	33	3	190	70.0	35.0	16.0	5.0	23.0	40.8
8/05/80	2	9.02	32	3	190	70.0	35.0	16.0	4.9	23.0	42.7
8/05/80	3	9.02	33	3	190	70.0	37.0	16.0	4.9	22.5	42.3
MEAN		7.96	35	1	204	71.0	35.8	15.0	5.3	22.4	40.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sub>3</sub>	TOTAL N mg/m <sub>3</sub>	TOTAL P mg/m <sub>3</sub>	CHLORO-PHYLL a mg/m <sub>3</sub>	COLOR mg/l Pt	SECCHI #
1/17/80	1	3.7	31.0	442	22.7	9.2	5	1.3
1/17/80	2	3.7	31.6	525	22.7	9.5	5	1.3
1/17/80	3	3.7	28.2	458	22.0	7.3	5	1.2
5/14/80	1	2.9	33.5	639	21.7	14.2	15	1.0
5/14/80	2	3.0	36.1	625	15.4	13.0	10	1.0
5/14/80	3	2.9	38.1	639	17.4	11.9	10	1.0
8/05/80	1	3.1	60.1	966	22.7	36.3	5	0.8
8/05/80	2	1.6	73.0	1000	21.7	36.6	5	0.8
8/05/80	3	1.9	55.8	958	21.0	38.2	5	0.8
MEAN		3.0	43.0	695	20.8	19.6	7	1.0

LAKE ARIETTA POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	7.04	8	0	220	59.0	16.0	15.0	6.2	25.5	55.0		
1/17/80	2	7.14	9	0	220	59.0	16.0	16.0	5.5	25.8	48.0		
1/17/80	3	7.17	8	0	220	59.5	16.0	15.0	5.8	25.8	56.0		
5/14/80	1	6.74	6	0	200	60.0	16.0	15.0	5.7	27.0	55.0		
5/14/80	2	6.85	7	0	200	59.5	16.0	15.0	5.7	27.0	55.0		
5/14/80	3	6.78	7	0	200	60.0	15.5	15.0	5.8	27.0	55.0		
8/05/80	1	7.35	4	0	180	53.0	10.5	15.0	5.3	27.3	59.8		
8/05/80	2	7.03	4	0	180	52.5	10.5	15.0	5.3	27.0	57.3		
8/05/80	3	6.90	4	0	175	53.0	10.0	15.0	5.3	27.3	53.5		
MEAN		6.91	6	0	199	57.3	14.1	15.1	5.6	26.6	55.0		

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	0.2	15.0	317	24.7	4.7	5	2.7
1/17/80	2	0.2	12.6	317	31.5	4.6	5	2.7
1/17/80	3	0.2	14.1	300	16.6	5.2	5	2.7
5/14/80	1	0.4	8.5	266	8.7	0.9	10	4.0
5/14/80	2	0.3	7.4	345	8.7	0.8	10	4.5
5/14/80	3	0.4	13.0	208	8.5	1.1	10	4.5
8/05/80	1	0.1	35.3	481	13.2	15.9	10	1.6
8/05/80	2	0.1	35.3	524	14.3	19.5	10	1.6
8/05/80	3	0.1	****	467	13.4	15.3	10	1.6
MEAN		0.2	17.7	358	15.5	7.6	8	2.9

LAKE ASHBY VOLUSIA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/29/79	1	6.72	11	0	61	19.0	12.0	6.2	0.9	10.4	0.0
11/29/79	2	6.73	11	0	61	19.0	12.5	6.1	0.9	10.6	0.0
11/29/79	3	6.70	11	0	59	18.5	12.0	5.8	0.9	10.5	0.0
3/12/80	1	7.35	16	0	94	27.5	20.0	8.8	0.6	14.0	6.1
3/12/80	2	7.25	16	0	94	27.5	21.0	8.0	0.6	14.0	5.2
3/12/80	3	7.24	16	0	90	28.5	21.0	8.1	0.6	14.0	6.2
7/29/80	1	6.86	11	0	88	25.5	20.0	7.7	0.9	16.0	16.6
7/29/80	2	6.70	11	0	86	25.5	18.5	7.5	0.8	16.0	14.8
7/29/80	3	6.87	11	0	86	25.5	18.5	7.3	0.8	16.3	12.7
MEAN		6.87	12	0	80	24.1	17.3	7.3	0.8	13.5	6.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/29/79	1	3.0	485.8	575	31.0	3.1	150	0.7
11/29/79	2	3.0	482.6	641	24.9	***	150	0.7
11/29/79	3	3.0	486.2	683	22.9	2.8	200	0.7
3/12/80	1	1.0	532.7	625	13.1	33.0	150	0.4
3/12/80	2	1.0	526.4	***	14.0	24.4	150	0.6
3/12/80	3	1.0	523.4	458	7.5	20.2	150	0.6
7/29/80	1	1.3	532.5	575	13.4	5.5	120	1.2
7/29/80	2	1.5	541.9	474	5.6	5.3	120	1.2
7/29/80	3	1.3	537.2	582	27.8	5.2	120	1.2
MEAN		1.8	516.5	577	17.8	12.4	145	0.8

LAKE BALDWIN ORANGE COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	8.06	97	0	0	200	106.0	86.0	7.6	1.8	10	10.8	6.1
12/20/79	2	8.03	97	0	0	200	107.0	87.0	7.8	1.7	10	10.8	6.3
12/20/79	3	8.06	97	0	0	200	106.0	85.0	7.7	1.8	10	10.8	5.3
4/09/80	1	8.85	103	0	0	210	110.5	92.0	8.3	2.3	15	11.0	7.4
4/09/80	2	8.75	103	0	0	200	110.0	91.0	8.2	2.4	15	11.0	6.9
4/09/80	3	8.83	103	0	0	210	109.0	89.5	8.2	2.4	15	11.3	7.7
7/29/80	1	8.57	98	2	2	210	102.5	80.5	6.9	2.0	10	11.3	6.3
7/29/80	2	8.63	97	2	2	210	102.5	80.5	7.0	2.0	10	11.5	14.7
7/29/80	3	8.60	97	2	2	210	102.0	80.0	6.9	2.0	10	11.5	13.7
MEAN		8.36	99	1	1	206	106.2	85.7	7.6	2.0	11	11.1	8.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/20/79	1	1.6	44.9	966	57.0	37.5	10	1.0
12/20/79	2	1.7	45.3	1016	71.2	38.0	10	1.0
12/20/79	3	1.6	42.1	991	60.2	39.1	10	1.0
4/09/80	1	0.7	23.0	575	34.8	16.8	15	1.2
4/09/80	2	0.7	33.6	625	35.5	18.0	15	1.2
4/09/80	3	0.7	43.8	500	31.3	17.3	10	1.1
7/29/80	1	1.0	37.2	242	21.0	9.7	10	2.1
7/29/80	2	1.1	29.3	375	18.7	8.9	10	2.3
7/29/80	3	1.0	60.5	383	19.3	8.7	10	2.3
MEAN		1.1	40.0	630	38.8	21.6	11	1.5

SANTA ROSA COUNTY

BEAR LAKE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	5.79	2	0	17	3.0	0.5	2.5	0.1	2.8	3.6
1/08/80	2	5.75	2	0	16	3.0	0.5	2.2	0.1	2.8	2.8
1/08/80	3	5.80	3	0	16	2.5	0.5	2.2	0.1	2.8	0.0
4/23/80	1	4.79	1	0	15	2.5	1.0	2.1	0.1	2.5	5.5
4/23/80	2	3.63	0	0	14	2.5	1.0	2.1	0.1	2.8	11.0
4/23/80	3	5.16	1	0	15	2.5	1.0	2.1	0.1	2.8	****
8/06/80	1	5.53	2	0	18	2.5	0.5	2.6	0.3	3.3	9.8
8/06/80	2	5.58	2	0	17	2.0	0.5	2.4	0.3	3.3	12.8
8/06/80	3	5.52	2	0	17	2.5	1.0	2.7	0.3	3.3	8.6
MEAN		4.50	2	0	16	2.6	0.7	2.3	0.2	2.9	6.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/08/80	1	1.0	498.1	508	33.0	21.0	35	1.4
1/08/80	2	0.9	489.6	483	31.5	25.1	35	1.4
1/08/80	3	1.0	498.1	492	32.8	24.4	35	1.4
4/23/80	1	0.1	494.0	233	8.4	2.4	25	1.9
4/23/80	2	0.1	455.7	183	11.0	2.3	25	2.0
4/23/80	3	0.1	470.6	175	6.5	2.4	10	2.0
8/06/80	1	0.9	1152.3	338	6.0	6.2	35	1.7
8/06/80	2	1.0	1163.0	323	5.2	7.8	35	1.7
8/06/80	3	0.9	1163.0	302	5.4	6.1	35	1.7
MEAN		0.7	709.4	337	15.5	10.9	30	1.7

SANTA ROSA COUNTY

BEAR LAKE

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	5.79	2	0	17	3.0	0.5	2.5	0.1	2.8	3.6
1/08/80	2	5.75	2	0	16	3.0	0.5	2.2	0.1	2.8	2.8
1/08/80	3	5.80	3	0	16	2.5	0.5	2.2	0.1	2.8	0.0
4/23/80	1	4.79	1	0	15	2.5	1.0	2.1	0.1	2.5	5.5
4/23/80	2	3.63	0	0	14	2.5	1.0	2.1	0.1	2.8	11.0
4/23/80	3	5.16	1	0	15	2.5	1.0	2.1	0.1	2.8	****
8/06/80	1	5.53	2	0	18	2.5	0.5	2.6	0.3	3.3	9.8
8/06/80	2	5.58	2	0	17	2.0	0.5	2.4	0.3	3.3	12.8
8/06/80	3	5.52	2	0	17	2.5	1.0	2.7	0.3	3.3	8.6
MEAN		4.50	2	0	16	2.6	0.7	2.3	0.2	2.9	6.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
1/08/80	1	1.0	498.1	508	33.0	21.0	35	1.4
1/08/80	2	0.9	489.6	483	31.5	25.1	35	1.4
1/08/80	3	1.0	498.1	492	32.8	24.4	35	1.4
4/23/80	1	0.1	494.0	233	8.4	2.4	25	1.9
4/23/80	2	0.1	455.7	183	11.0	2.3	25	2.0
4/23/80	3	0.1	470.6	175	6.5	2.4	10	2.0
8/06/80	1	0.9	1152.3	338	6.0	6.2	35	1.7
8/06/80	2	1.0	1163.0	323	5.2	7.8	35	1.7
8/06/80	3	0.9	1163.0	302	5.4	6.1	35	1.7
MEAN		0.7	709.4	337	15.5	10.9	30	1.7

LAKE BROWARD PUTNAM COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
10/10/79	1	5.43	1	0	70	13.5	7.5	7.0	1.5	5	10.5	11.0
10/10/79	2	5.43	1	0	70	14.0	7.5	6.9	1.7	0	10.3	11.0
10/10/79	3	5.47	1	0	71	13.5	7.5	6.9	1.5	5	10.5	10.0
3/17/80	1	5.89	2	0	72	14.5	7.0	7.0	1.3	0	10.8	11.0
3/17/80	2	5.64	2	0	74	14.5	7.0	7.0	1.3	0	10.8	11.0
3/17/80	3	5.89	2	0	71	14.5	7.0	7.0	1.3	0	10.8	10.0
7/09/80	1	5.10	2	0	72	14.5	8.0	8.0	1.3	0	11.3	13.2
7/09/80	2	5.51	1	0	70	14.5	7.0	7.0	1.5	0	11.3	11.5
7/09/80	3	5.32	1	0	70	14.5	7.5	6.8	1.6	0	11.3	15.9
MEAN		5.46	1	0	71	14.2	7.3	7.1	1.4	4	10.8	11.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/10/79	1	0.2	9.2	123	3.1	1.4	5	5.1
10/10/79	2	0.1	8.8	132	2.9	1.1	0	5.1
10/10/79	3	0.1	8.3	114	3.5	1.4	5	5.0
3/17/80	1	0.1	5.9	133	0.5	1.1	0	5.5
3/17/80	2	0.1	6.7	208	1.1	1.0	0	5.5
3/17/80	3	0.1	5.5	108	1.6	1.0	0	5.5
7/09/80	1	0.1	19.3	233	7.1	1.6	10	6.6
7/09/80	2	0.1	15.0	233	6.5	2.5	10	6.6
7/09/80	3	0.1	15.6	267	6.1	2.0	10	6.6
MEAN		0.1	10.5	172	3.6	1.5	4	5.7

LAKE BUFFAM POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	5.49	1	0	92	21.0	7.0	8.2	2.4	16.0	16.0
1/17/80	2	5.45	1	0	92	21.0	7.0	8.5	2.6	16.0	14.0
1/17/80	3	5.44	1	0	92	21.0	7.0	8.3	2.6	16.0	17.0
5/14/80	1	5.46	2	0	100	23.0	9.0	9.4	2.4	17.8	19.0
5/14/80	2	5.31	2	0	100	23.0	9.0	9.2	2.4	17.5	18.0
5/14/80	3	5.40	2	0	100	23.0	9.0	9.1	2.4	17.8	18.0
8/05/80	1	5.46	1	0	94	22.0	9.5	10.0	2.4	17.8	22.1
8/05/80	2	5.24	1	0	94	21.0	10.0	10.0	2.3	17.3	24.3
8/05/80	3	5.45	1	0	94	22.0	9.5	10.0	2.3	17.5	21.1
MEAN		5.40	1	0	95	21.9	8.6	9.2	2.4	17.1	18.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	1.7	171.7	442	75.0	3.7	40	0.7
1/17/80	2	1.7	167.0	283	82.2	3.5	40	0.7
1/17/80	3	1.7	169.6	400	84.9	3.1	40	0.7
5/14/80	1	1.3	177.5	488	51.8	2.7	45	0.5
5/14/80	2	1.3	176.7	445	37.7	2.6	45	0.6
5/14/80	3	1.3	176.7	409	47.4	2.4	45	0.6
8/05/80	1	1.3	68.9	316	42.1	2.4	25	2.2
8/05/80	2	1.4	67.2	316	41.3	2.1	25	2.2
8/05/80	3	1.4	66.7	302	40.9	2.0	25	1.9
MEAN		1.5	138.0	378	55.9	2.7	37	1.1

LAKE BUTLER ORANGE COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/19/79	1	5.44	1	0	195	58.0	19.5	14.0	8.3	5	26.0	69.0
12/19/79	2	5.42	1	0	195	58.0	19.5	14.0	8.2	5	26.0	67.0
12/19/79	3	5.44	1	0	200	58.0	20.0	14.0	8.1	5	26.0	69.0
4/10/80	1	5.40	2	0	210	59.0	21.0	15.0	9.0	0	26.5	67.0
4/10/80	2	5.39	2	0	200	60.0	20.0	15.0	9.0	0	26.5	64.0
4/10/80	3	5.39	2	0	200	59.5	20.0	15.0	8.9	0	26.5	69.0
7/30/80	1	5.69	1	0	220	61.5	21.0	13.0	8.8	0	27.3	59.7
7/30/80	2	5.66	1	0	220	61.5	21.5	14.0	8.7	0	27.5	61.3
7/30/80	3	5.43	1	0	220	61.0	21.0	14.0	8.6	0	27.5	51.5
MEAN		5.46	1	0	207	59.6	20.4	14.2	8.6	3	26.6	64.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
12/19/79	1	0.2	5.8	292	17.5	0.6	5	B
12/19/79	2	0.2	6.5	292	17.7	0.6	5	B
12/19/79	3	0.2	5.4	250	16.1	0.6	5	B
4/10/80	1	0.1	12.7	183	****	1.7	0	B
4/10/80	2	0.1	12.3	250	14.3	1.6	0	B
4/10/80	3	0.0	11.7	242	6.6	1.5	0	B
7/30/80	1	0.0	12.4	165	5.8	1.1	5	6.0
7/30/80	2	0.1	12.0	194	5.2	1.2	5	6.0
7/30/80	3	0.1	13.2	259	5.6	1.3	5	6.0
MEAN		0.1	10.2	236	11.1	1.1	3	6.0

UNION COUNTY

LAKE BUTLER

DATE	SAMPLE	PH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	6.13	3	0	53	12.0	8.5	5.8	0.7	8.5	6.2	
9/08/79	2	6.15	3	0	53	12.0	8.0	6.0	0.6	8.3	6.3	
9/08/79	3	6.15	3	0	53	12.0	7.5	6.0	0.6	8.3	6.3	
2/28/80	1	5.86	1	0	45	12.5	7.5	5.0	0.3	7.5	5.8	
2/28/80	2	5.98	0	0	44	12.0	7.5	5.0	0.3	7.3	4.9	
2/28/80	3	5.84	0	0	44	12.0	7.5	5.0	0.3	7.3	5.7	
7/02/80	1	6.05	4	0	44	11.5	7.0	3.7	0.7	7.5	11.9	
7/02/80	2	6.05	4	0	46	12.0	7.0	3.9	0.7	7.5	8.8	
7/02/80	3	5.88	4	0	45	11.5	6.5	3.9	0.7	7.0	10.2	
MEAN		5.99	3	0	47	11.9	7.4	4.9	0.5	7.7	7.3	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
9/08/79	1	0.3	174.3	475	14.0	1.7	30	1.6
9/08/79	2	0.3	174.7	440	14.2	3.0	30	1.6
9/08/79	3	0.3	167.3	440	17.6	2.9	30	1.6
2/28/80	1	0.8	167.4	358	29.6	1.3	60	1.4
2/28/80	2	0.8	162.9	367	29.2	1.3	60	1.4
2/28/80	3	0.8	162.9	408	25.7	1.7	60	1.4
7/02/80	1	0.6	364.9	718	30.2	26.2	100	1.0
7/02/80	2	0.6	365.3	442	29.2	32.0	100	1.0
7/02/80	3	0.6	378.1	283	25.7	31.8	100	0.8
MEAN		0.6	235.3	437	23.9	11.3	63	1.3

CARR LAKE LEON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
10/20/79	1	5.96	4	0	17	5.5	3.0	1.4	1.4	0.1	10	2.3	0.0
10/20/79	2	6.02	4	0	16	5.5	2.5	1.4	1.4	0.1	10	2.3	0.0
10/20/79	3	6.02	4	0	16	5.5	2.5	1.4	1.4	0.1	10	2.3	0.0
3/19/80	1	6.21	4	0	17	5.0	3.0	2.1	2.1	0.2	15	3.0	5.2
3/19/80	2	6.27	5	0	16	4.5	3.0	2.2	2.2	0.2	15	3.0	2.2
3/19/80	3	6.22	5	0	17	4.5	2.5	2.1	2.1	0.2	15	3.0	6.4
7/07/80	1	5.92	3	0	14	4.5	2.5	0.0	0.0	0.2	20	2.5	7.6
7/07/80	2	5.95	3	0	14	5.5	2.0	0.0	0.0	0.1	20	2.8	10.3
7/07/80	3	6.00	3	0	13	6.0	1.5	0.0	0.0	0.1	20	2.8	9.1
MEAN		6.05	4	0	16	5.2	2.5	1.2		0.1		2.7	4.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL <sup>a</sup> mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI <sup>B</sup>
10/20/79	1	0.0	252.8	342	12.8	1.7	10	2.0
10/20/79	2	0.0	239.0	389	12.8	1.3	10	2.0
10/20/79	3	0.0	246.7	333	10.7	1.0	10	2.0
3/19/80	1	0.1	276.0	467	14.0	4.2	15	2.0
3/19/80	2	0.1	277.0	442	13.1	4.0	15	2.0
3/19/80	3	0.1	300.8	433	14.0	5.3	15	2.0
7/07/80	1	0.1	416.3	618	19.5	21.7	20	1.9
7/07/80	2	0.1	345.1	467	11.7	****	20	1.9
7/07/80	3	0.1	292.2	467	22.6	18.8	20	1.9
MEAN		0.1	294.0	440	14.6	7.3	15	2.0

CHARLES' BAY (SMITH LAKE) WASHINGTON COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 °C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	ALKALINITY mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/06/79	1	5.15	1	0	11	2.5	1.5	1.5	1.4	0.2	1.3	2.8
12/06/79	2	5.17	2	0	10	2.5	2.0	2.0	1.3	0.2	1.5	0.0
12/06/79	3	5.15	2	0	11	2.5	1.5	1.5	1.3	0.3	1.5	0.0
4/22/80	1	5.16	4	0	11	2.0	1.0	1.0	1.8	0.1	1.5	5.2
4/22/80	2	5.11	2	0	11	2.5	1.5	1.5	1.4	0.0	1.8	4.2
4/22/80	3	5.12	2	0	11	2.0	1.5	1.5	1.4	0.0	1.5	3.8
8/05/80	1	5.10	2	0	11	3.0	1.0	1.0	1.3	0.2	2.0	6.3
8/05/80	2	4.69	1	0	10	2.4	0.9	0.9	1.3	0.2	2.0	11.2
8/05/80	3	4.68	1	0	11	2.4	1.1	1.1	1.5	0.3	2.0	8.5
MEAN		4.99	2	0	11	2.4	1.3	1.3	1.4	0.2	1.7	4.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/06/79	1	0.9	439.9	440	10.7	1.6	35	1.7
12/06/79	2	0.8	438.2	449	9.4	1.4	30	1.7
12/06/79	3	0.9	424.2	431	10.7	1.6	30	1.7
4/22/80	1	0.0	585.4	483	1.6	1.1	70	1.7
4/22/80	2	0.1	683.2	458	0.3	1.2	60	1.7
4/22/80	3	0.0	674.7	433	6.7	1.4	60	1.6
8/05/80	1	0.1	1160.9	553	22.5	4.8	40	1.0
8/05/80	2	0.1	1128.8	517	26.3	4.4	40	1.1
8/05/80	3	0.1	1090.3	496	34.8	4.8	40	1.1
MEAN		0.3	736.2	473	13.7	2.5	45	1.5

CHERRY LAKE MADISON COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/22/79	1	5.89	2	0	46	9.0	5.0	4.5	0.5	6.8	6.0	
10/22/79	2	5.87	2	0	45	9.0	5.0	4.6	0.5	6.8	6.0	
10/22/79	3	5.89	2	0	45	9.0	5.0	4.6	0.5	6.8	6.0	
3/19/80	1	5.86	2	0	44	9.5	4.5	4.7	0.6	6.5	8.2	
3/19/80	2	5.87	2	0	43	9.5	5.0	4.8	0.6	6.8	6.6	
3/19/80	3	5.45	1	0	44	9.0	5.0	4.7	0.5	6.8	7.6	
7/07/80	1	6.17	4	0	45	9.5	6.0	3.8	0.6	7.0	11.4	
7/07/80	2	6.13	3	0	45	9.5	5.5	4.0	0.6	7.0	13.7	
7/07/80	3	6.12	3	0	45	9.5	5.5	4.0	0.6	7.0	13.0	
MEAN		5.86	2	0	45	9.3	5.2	4.4	0.6	6.8	8.7	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI <sup>F</sup>
10/22/79	1	0.0	31.7	211	17.6	1.5	5	3.6
10/22/79	2	0.0	30.6	229	19.2	1.5	5	3.6
10/22/79	3	0.0	30.6	238	18.4	1.5	5	3.6
3/19/80	1	0.2	49.7	300	26.1	7.7	0	1.8
3/19/80	2	0.2	52.1	300	31.3	7.2	0	1.9
3/19/80	3	0.2	45.5	383	27.8	7.0	0	1.9
7/07/80	1	0.6	125.5	309	34.7	6.5	10	1.4
7/07/80	2	0.5	125.5	259	36.4	5.8	5	1.4
7/07/80	3	0.5	125.1	352	33.3	9.6	10	1.3
MEAN		0.2	68.5	287	27.2	5.4	4	2.3

		LAKE CLINCH										POLK COUNTY			
DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l		
1/17/80	1	6.65	5	0	83	22.0	10.0	6.4	2.7	11.8	14.0				
1/17/80	2	6.69	4	0	84	22.0	9.5	6.5	2.8	11.5	16.0				
1/17/80	3	6.69	5	0	85	22.0	10.0	6.3	2.7	11.5	16.0				
5/14/80	1	6.26	3	0	86	22.0	10.0	6.7	2.7	12.3	16.0				
5/14/80	2	6.72	3	0	86	21.5	9.5	6.7	2.7	12.0	16.0				
5/14/80	3	6.68	4	0	86	21.5	9.5	6.7	2.7	12.3	14.0				
8/05/80	1	7.17	4	0	80	21.0	10.0	7.9	2.6	12.5	22.5				
8/05/80	2	7.17	4	0	80	21.0	10.5	7.8	2.6	12.5	22.1				
8/05/80	3	7.19	4	0	80	21.5	9.5	7.9	2.6	12.3	20.9				
MEAN		6.70	4	0	83	21.6	9.8	7.0	2.7	12.1	17.5				

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	0.8	20.7	283	15.7	7.1	5	2.7
1/17/80	2	0.8	20.3	208	16.6	6.6	5	2.7
1/17/80	3	0.8	21.6	400	20.9	7.1	5	2.6
5/14/80	1	0.5	37.9	217	8.3	8.3	10	1.3
5/14/80	2	0.5	20.6	117	8.1	7.5	10	1.4
5/14/80	3	0.5	29.2	299	8.9	8.3	10	1.4
8/05/80	1	0.4	29.3	453	9.4	6.9	10	2.6
8/05/80	2	0.4	25.0	366	9.8	6.8	10	2.6
8/05/80	3	0.4	28.0	409	9.6	6.6	10	2.6
MEAN		0.6	25.8	306	11.9	7.2	8	2.2

COMPASS LAKE JACKSON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/04/79	1	5.26	2	0	18	3.5	3.5	1.8	0.3	3.0	3.2		
12/04/79	2	5.26	2	0	18	3.0	3.0	1.8	0.3	3.0	2.8		
12/04/79	3	5.26	2	0	18	3.0	3.0	1.8	0.3	3.3	2.8		
4/21/80	1	5.07	1	0	18	2.0	3.5	1.6	0.2	3.0	5.8		
4/21/80	2	5.10	1	0	18	1.5	3.0	1.6	0.2	3.0	7.9		
4/21/80	3	5.07	1	0	18	1.5	3.5	1.6	0.2	3.0	7.6		
8/04/80	1	5.30	2	0	17	3.0	2.0	1.0	0.4	3.0	7.0		
8/04/80	2	5.40	2	0	17	2.5	2.5	2.1	0.4	3.3	9.5		
8/04/80	3	5.38	2	0	17	3.0	2.5	1.0	0.4	3.3	10.0		
MEAN		5.22	2	0	18	2.6	2.9	1.6	0.3	3.1	6.3		

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/04/79	1	0.2	53.3	114	1.7	0.8	0	4.0
12/04/79	2	0.2	50.1	229	0.8	0.5	0	4.0
12/04/79	3	0.2	49.8	150	3.3	***	0	4.0
4/21/80	1	0.1	36.7	201	3.5	0.8	3	4.2
4/21/80	2	0.1	38.6	216	15.5	1.0	3	4.5
4/21/80	3	0.1	36.1	173	10.0	0.9	3	4.5
8/04/80	1	0.0	34.2	122	3.9	0.4	3	6.4
8/04/80	2	0.0	34.4	115	5.2	0.4	0	6.4
8/04/80	3	0.1	40.9	144	7.3	0.4	0	6.2
MEAN		0.1	41.6	163	5.7	0.7	1	4.9

ORANGE COUNTY

LAKE CONWAY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	7.53	27	0	185	61.0	32.0	16.0	4.3	24.3	33.0
12/20/79	2	7.52	27	0	185	60.0	31.0	16.0	4.2	24.3	32.0
21/20/79	3	7.56	27	0	190	61.0	31.0	16.0	4.2	24.0	31.0
4/10/80	1	7.54	31	0	200	59.5	36.0	16.0	5.0	23.3	32.0
4/10/80	2	7.69	31	0	190	60.5	32.0	17.0	5.0	24.5	30.0
4/10/80	3	7.69	31	0	200	60.5	31.5	17.0	4.9	24.5	30.0
7/30/80	1	7.36	30	0	190	56.5	32.5	14.0	4.5	23.0	26.5
7/30/80	2	7.57	30	0	200	60.0	30.5	15.0	4.5	24.5	24.2
7/30/80	3	7.56	30	0	200	60.5	30.5	15.0	4.3	25.0	23.7
MEAN		7.55	29	0	193	59.9	31.9	15.8	4.5	24.1	29.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/20/79	1	0.2	11.4	375	24.2	6.6	5	3.4
12/20/79	2	0.1	11.2	367	23.6	6.0	5	3.5
12/20/79	3	0.1	12.6	350	20.6	6.5	5	3.5
4/10/80	1	0.1	12.5	392	8.9	1.7	0	3.7
4/10/80	2	0.0	14.9	517	8.6	2.9	0	3.7
4/10/80	3	0.0	11.0	483	3.7	3.0	0	3.7
7/30/80	1	0.1	16.2	381	9.8	4.5	5	3.5
7/30/80	2	0.1	16.5	366	9.0	3.8	5	4.0
7/30/80	3	0.0	13.7	374	9.4	4.2	5	4.0
MEAN		0.1	13.3	401	13.1	4.4	3	3.7

CORN LANDING LAKE FRANKLIN COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/07/80	1	7.27	25	0	200	42.5	31.5	28	1.2	50.0	11.0
1/07/80	2	7.24	25	0	198	42.5	31.5	28	1.2	50.0	11.0
1/07/80	3	7.20	26	0	198	42.5	31.5	28	1.3	50.0	9.3
4/24/80	1	7.16	26	0	190	39.0	28.0	25	1.2	38.0	12.0
4/24/80	2	7.01	27	0	190	39.5	29.0	24	1.1	38.0	13.0
4/24/80	3	7.04	26	0	190	39.0	28.5	24	1.1	38.0	13.0
8/07/80	1	6.79	28	0	210	42.0	29.0	28	1.4	45.0	12.2
8/07/80	2	6.79	28	0	210	40.0	30.0	28	1.4	42.5	11.6
8/07/80	3	6.74	28	0	205	41.0	30.0	27	1.4	42.5	12.2
MEAN		6.98	27	0	199	40.9	29.9	27	1.3	43.8	11.7

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DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/07/80	1	1.5	166.3	533	14.1	1.5	75	B
1/07/80	2	1.5	164.6	533	13.2	0.6	75	B
1/07/80	3	1.5	162.5	508	10.0	1.3	75	B
4/24/80	1	1.1	166.0	650	9.1	2.9	80	1.0
4/24/80	2	1.1	176.2	608	14.2	2.6	80	1.0
4/24/80	3	1.1	177.9	658	14.8	3.0	80	1.0
8/07/80	1	1.4	178.7	589	13.4	4.1	90	1.5
8/07/80	2	1.6	178.3	546	13.9	3.8	90	1.5
8/07/80	3	1.7	180.4	539	14.7	5.2	90	1.5
MEAN		1.4	172.3	574	13.0	2.8	82	1.3

CRESCENT LAKE LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	6.17	4	0	78	18.5	10.0	7.5	1.3	13.3	9.5		
11/06/79	2	6.15	5	0	79	19.0	10.5	7.6	1.3	13.5	9.8		
11/06/79	3	6.19	5	0	76	19.0	11.0	7.6	1.3	13.3	9.2		
3/27/80	1	6.69	5	0	84	22.0	13.0	8.3	1.9	14.3	11.0		
3/27/80	2	6.70	5	0	86	20.0	13.0	8.4	1.9	14.0	11.0		
3/27/80	3	6.67	4	0	86	21.0	12.0	8.4	1.9	14.0	11.0		
7/21/80	1	6.15	4	0	80	20.0	10.0	7.2	1.8	15.3	17.5		
7/21/80	2	6.23	4	0	80	20.5	10.0	7.2	1.8	15.3	15.2		
7/21/80	3	6.32	4	0	80	20.5	10.5	7.4	1.8	15.0	18.8		
MEAN		6.31	4	0	81	20.1	11.1	7.7	1.7	14.2	12.6		

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL <sup>a</sup> mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	0.1	22.1	12.8	2.6	15	3.8
11/06/79	2	0.1	20.4	13.0	2.0	15	3.9
11/06/79	3	0.1	21.0	11.3	2.1	15	4.0
3/27/80	1	0.6	30.5	10.6	2.5	15	2.8
3/27/80	2	0.6	27.1	10.6	2.7	15	2.8
3/27/80	3	0.6	29.2	13.6	2.2	15	2.5
7/21/80	1	0.2	38.1	22.6	4.2	15	2.4
7/21/80	2	0.2	36.6	16.0	3.4	15	2.4
7/21/80	3	0.2	40.2	13.2	4.8	15	2.4
MEAN		0.3	29.5	13.7	2.9	15	3.0

CRESCENT LAKE FLAGLER/PUTNAM COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/10/79	1	6.29	11	0	96	25.0	18.0	10.0	1.4	19.5	4.3	
10/10/79	2	6.34	11	0	101	27.5	18.5	11.0	1.4	20.0	4.5	
10/10/79	3	6.34	11	0	100	27.0	18.0	11.0	1.4	19.3	4.8	
3/17/80	1	7.37	19	0	260	58.0	38.5	28.0	1.3	53.3	15.0	
3/17/80	2	7.36	20	0	260	57.5	39.0	25.0	1.1	53.5	14.0	
3/17/80	3	7.39	20	0	260	58.0	39.5	28.0	1.4	53.0	13.0	
7/09/80	1	8.10	29	0	350	81.0	59.5	41.0	1.9	85.0	33.3	
7/09/80	2	7.87	29	0	340	81.0	59.5	40.0	1.9	80.0	29.5	
7/09/80	3	7.88	29	0	340	81.5	59.0	41.0	1.9	80.0	30.5	
MEAN		6.75	20	0	234	55.2	38.8	26.1	1.5	51.5	16.5	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
10/10/79	1	3.8	840.5	1030	33.2	****	300	0.5
10/10/79	2	3.7	820.8	1030	34.7	2.4	300	0.5
10/10/79	3	3.7	816.5	1050	34.9	3.1	350	0.4
3/17/80	1	2.1	776.3	983	34.3	26.4	250	0.3
3/17/80	2	2.0	759.4	1060	34.3	28.4	250	0.5
3/17/80	3	2.1	774.2	1080	41.1	25.9	250	0.5
7/09/80	1	0.7	588.3	1230	25.7	42.8	175	0.7
7/09/80	2	0.7	591.7	1270	10.2	47.1	175	0.8
7/09/80	3	0.7	582.1	1200	22.0	44.1	175	0.8
MEAN		2.1	727.8	1104	30.0	27.5	247	0.6

CREWS LAKE PASCO COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	7.14	20	0	72	27.0	22.0	4.5	1.3	9.0	4.1	
1/16/80	2	7.00	20	0	72	27.0	22.5	4.4	1.3	8.5	4.4	
1/16/80	3	7.01	20	0	72	27.5	23.0	4.5	1.3	8.5	4.1	
5/13/80	1	7.01	22	0	87	32.0	28.3	5.2	1.3	11.3	6.0	
5/13/80	2	7.01	22	0	86	32.0	28.3	5.1	1.2	10.8	5.5	
5/13/80	3	7.12	23	0	85	31.5	27.3	5.3	1.2	10.8	6.5	
8/04/80	1	7.22	21	0	70	30.0	25.0	5.5	0.9	11.0	11.5	
8/04/80	2	7.46	22	0	70	30.0	24.5	5.6	0.9	11.0	12.6	
8/04/80	3	7.69	22	0	70	29.5	25.0	5.5	0.9	11.0	15.0	
MEAN		7.14	21	0	76	29.6	25.1	5.1	1.1	10.2	7.7	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/16/80	1	0.1	98.6	866	15.9	3.0	60	1.7
1/16/80	2	0.1	118.0	891	15.4	2.5	60	1.7
1/16/80	3	0.1	113.3	916	14.5	3.0	60	1.6
5/13/80	1	0.3	93.8	500	12.0	3.3	45	1.3
5/13/80	2	0.2	81.9	458	12.2	3.5	45	1.3
5/13/80	3	0.2	81.7	658	10.0	3.4	45	1.3
8/04/80	1	0.7	81.5	718	9.8	4.7	30	B
8/04/80	2	0.7	86.7	697	12.0	4.5	30	B
8/04/80	3	0.7	104.2	725	12.2	4.4	30	B
MEAN		0.4	95.5	714	12.7	3.6	45	1.5

LAKE CROSBY BRADFORD COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/1 CaCO <sub>3</sub>	PHENOL ALKALINITY mg/1 CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/m <sup>3</sup>	CALCIUM HARDNESS mg/1 CaCO <sub>3</sub>	SODIUM mg/1	POTASSIUM mg/1	CHLORIDE mg/1	SULFATE mg/1
9/08/79	1	5.86	2	0	45	10.0	7.0	5.2	0.2	7.0	5.2
9/08/79	2	5.84	2	0	45	9.5	6.0	5.4	0.2	7.0	5.2
9/08/79	3	5.84	2	0	45	8.0	6.0	5.6	0.2	6.8	8.4
2/27/80	1	5.62	2	0	39	9.0	5.0	5.0	0.1	6.8	5.0
2/27/80	2	5.63	2	0	38	9.0	5.0	5.0	0.1	6.5	5.6
2/27/80	3	5.63	2	0	38	9.0	5.0	5.0	0.1	6.8	4.5
7/02/80	1	5.70	3	0	42	9.0	4.5	3.8	0.2	7.3	13.9
7/02/80	2	5.65	2	0	41	9.0	4.5	3.7	0.2	7.3	9.1
7/02/80	3	5.67	2	0	41	9.0	5.0	3.8	0.2	7.3	11.2
MEAN		5.71	2	0	42	9.1	5.3	4.7	0.2	7.0	7.5

DATE	SAMPLE	SILICA mg/1	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/1 Pt	SECCHI #
9/08/79	1	0.2	378	9.3	4.6	15	2.4
9/08/79	2	0.2	343	9.3	4.8	15	2.4
9/08/79	3	0.2	370	7.8	4.5	15	2.4
2/27/80	1	0.8	483	26.1	2.1	35	1.5
2/27/80	2	0.8	467	28.5	2.3	35	1.5
2/27/80	3	0.8	500	26.1	2.2	35	1.5
7/02/80	1	0.6	445	8.8	9.0	40	1.8
7/02/80	2	0.6	345	20.5	5.0	40	1.8
7/02/80	3	0.6	445	19.1	6.1	40	1.6
MEAN		0.5	420	17.3	4.5	30	1.9

CRYSTAL LAKE WASHINGTON COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/05/79	1	5.70	2	0	14	2.5	2.5	1.7	0.2	0	1.8	0.0
12/05/79	2	5.66	2	0	14	2.5	2.5	1.7	0.2	0	1.8	0.0
12/05/79	3	5.68	2	0	14	2.5	2.0	1.7	0.2	0	1.8	0.0
4/22/80	1	5.93	2	0	13	2.5	2.0	1.6	0.1	0	2.0	6.3
4/22/80	2	5.76	2	0	13	3.0	1.5	1.5	0.1	0	2.0	5.3
4/22/80	3	5.94	2	0	13	3.0	1.5	1.5	0.1	0	2.0	4.6
8/05/80	1	5.72	1	0	13	2.1	1.5	2.2	0.2	0	2.3	7.2
8/05/80	2	5.62	1	0	14	2.1	1.5	2.0	0.2	0	2.3	6.0
8/05/80	3	5.73	1	0	13	2.1	1.5	1.9	0.2	0	2.5	11.7
MEAN		5.74	2	0	13	2.5	1.8	1.8	0.2	0	2.1	4.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
12/05/79	1	0.5	17.5	123.0	10.0	0.7	0	9.5
12/05/79	2	0.5	17.1	123.0	7.6	0.7	0	9.5
12/05/79	3	0.5	15.6	141.0	9.4	0.7	0	9.6
4/22/80	1	0.6	5.9	127.0	5.2	0.3	0	7.0
4/22/80	2	0.6	8.0	125.0	5.0	0.2	0	7.1
4/22/80	3	0.6	7.4	125.0	3.1	0.5	0	7.1
8/05/80	1	0.3	11.5	93.4	5.2	0.4	0	7.5
8/05/80	2	0.2	13.5	101.0	5.6	0.4	0	7.6
8/05/80	3	0.3	12.8	108.0	5.4	0.5	0	7.6
MEAN		0.5	12.1	118.5	6.3	0.5	0	8.1

CYPRESS LAKE OSCEOLA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/29/80	1	7.25	17	0	110	32.0	22.0	12.0	2.0	19.0	10.0	
1/29/80	2	7.26	18	0	110	32.0	22.0	12.0	2.0	18.8	8.9	
1/29/80	3	7.55	19	0	113	33.0	22.0	12.0	2.1	19.0	8.1	
6/01/80	1	9.35	17	2	128	33.0	24.5	12.0	1.9	22.3	16.0	
6/01/80	2	10.00	24	7	160	39.5	28.0	14.0	2.5	23.3	16.0	
6/01/80	3	9.43	22	3	142	38.0	28.0	13.0	2.2	22.8	14.0	
8/19/80	1	9.74	26	4	146	39.0	25.0	16.0	2.2	23.5	14.0	
8/19/80	2	10.03	24	6	153	38.0	25.0	16.0	2.2	24.0	13.0	
8/19/80	3	10.00	28	6	153	39.0	25.0	16.0	2.2	24.0	15.0	
MEAN		7.81	22	3	135	35.9	24.6	13.7	2.1	21.9	12.8	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l pt	SECCHI #
1/29/80	1	0.2	255.5	1100	21.2	21.5	70	0.7
1/29/80	2	0.2	269.6	1100	23.3	19.0	70	0.7
1/29/80	3	0.1	290.8	1050	17.1	22.3	70	0.7
6/01/80	1	1.3	335.6	1770	175.7	75.6	70	0.4
6/01/80	2	1.3	316.1	2200	310.9	82.9	70	0.4
6/01/80	3	1.2	318.1	1950	218.3	84.6	60	0.3
8/19/80	1	0.1	416.1	2270	100.8	123.9	35	0.2
8/19/80	2	0.1	399.7	2530	162.2	134.3	35	0.2
8/19/80	3	0.1	400.0	2550	148.5	136.9	35	0.2
MEAN		0.5	333.5	1836	130.8	77.9	57	0.4

DEAD LAKE CALHOUN/GULF COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/07/80	1	6.48	12	0	35	14.5	10.0	9.6	0.3	3.3	2.8		
1/07/80	2	6.48	12	0	35	14.5	11.0	2.6	0.1	3.3	0.0		
1/07/80	3	6.48	12	0	35	14.5	11.0	2.4	0.1	3.3	0.0		
4/23/80	1	5.59	3	0	21	6.0	4.0	2.2	0.1	2.8	5.3		
4/23/80	2	5.68	3	0	22	6.5	4.0	2.1	0.1	2.8	5.4		
4/23/80	3	6.70	28	0	58	27.5	21.5	2.3	0.4	3.3	6.1		
8/07/80	1	6.38	14	0	61	26.0	22.0	2.8	0.4	3.5	12.1		
8/07/80	2	6.37	14	0	44	17.0	15.0	2.4	0.4	3.5	8.7		
8/07/80	3	6.11	8	0	31	10.0	9.0	2.3	0.4	3.0	7.2		
MEAN		6.08	12	0	38	15.2	11.9	3.2	0.3	3.2	5.3		

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI mg/l
1/07/80	1	3.4	129.4	***	9.6	1.9	40	2.8
1/07/80	2	3.4	127.9	183	8.0	1.6	40	3.0
1/07/80	3	3.4	129.2	158	7.8	1.5	40	3.0
4/23/80	1	2.4	349.8	333	10.1	2.6	90	1.2
4/23/80	2	2.4	386.0	300	11.2	3.2	90	1.2
4/23/80	3	3.1	464.0	375	37.3	2.6	90	0.7
8/07/80	1	3.9	225.3	445	12.4	5.1	70	2.1
8/07/80	2	3.4	221.3	359	19.3	5.8	70	2.2
8/07/80	3	3.1	211.9	345	16.4	8.0	80	2.2
MEAN		3.2	249.4	312	14.7	3.6	68	2.0

LAKE DEATON SUMTER COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
11/07/79	1	6.91	23	0	165	30.0	12.0	21.0	2.1	31.8	3.9		
11/07/79	2	6.88	23	0	165	30.0	12.5	21.0	1.5	31.8	3.7		
11/07/79	3	6.77	23	0	165	30.0	12.0	21.0	1.3	31.8	3.5		
4/07/80	1	7.29	25	0	168	32.0	14.5	20.0	3.0	31.3	4.7		
4/07/80	2	7.23	26	0	165	32.0	14.0	20.0	3.0	31.0	4.3		
4/07/80	3	7.24	25	0	165	31.5	14.0	20.0	3.0	31.0	5.1		
7/24/80	1	7.51	27	0	165	36.0	17.0	19.0	2.8	34.0	12.1		
7/24/80	2	7.41	27	0	165	36.0	16.5	20.0	2.8	34.3	11.0		
7/24/80	3	7.69	27	0	165	36.0	16.5	20.0	2.8	34.0	14.3		
MEAN		7.17	25	0	165	32.6	14.3	20.0	2.5	32.3	7.0		

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/07/79	1	6.5	113.8	1420	33.0	****	25	0.4
11/07/79	2	6.8	125.8	1510	31.8	53.3	25	0.4
11/07/79	3	6.8	123.5	2250	34.0	54.3	25	0.4
4/07/80	1	3.7	97.2	3000	34.6	23.6	30	0.7
4/07/80	2	3.7	87.9	2820	34.2	23.0	30	0.7
4/07/80	3	3.7	95.5	2970	27.0	****	30	0.7
7/24/80	1	2.8	85.1	1450	23.7	37.4	15	0.5
7/24/80	2	2.8	82.7	1810	23.9	35.4	15	0.5
7/24/80	3	2.7	83.0	1750	20.5	30.4	15	0.5
MEAN		4.4	99.4	2109	29.2	36.8	23	0.5

DEER POINT LAKE BAY COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/07/80	1	7.45	29	0	70	32.5	25.0	9.6	0.4	1.5	25	5.0	3.6
1/07/80	2	7.45	31	0	71	33.0	25.0	3.6	0.2	1.4	25	5.0	2.9
1/07/80	3	7.45	32	0	72	33.5	25.5	3.5	0.2	1.4	25	5.0	0.0
4/23/80	1	6.81	17	0	49	20.0	14.5	3.0	0.2	1.7	90	4.0	4.8
4/23/80	2	6.79	17	0	47	19.5	14.0	2.9	0.2	1.8	90	4.0	4.9
4/23/80	3	6.82	17	0	48	19.5	15.0	3.1	0.2	1.5	90	4.0	5.4
8/07/80	1	6.65	20	0	61	23.0	18.0	3.7	0.4	2.3	70	4.5	11.0
8/07/80	2	6.52	20	0	61	23.0	19.0	3.7	0.4	2.5	70	5.0	11.6
8/07/80	3	6.57	20	0	61	22.0	18.0	3.6	0.4	3.1	70	4.8	10.2
MEAN		6.82	23	0	60	25.1	19.3	4.1	0.3	1.9	62	4.5	6.0

DATE	SAMPLE	TOTAL SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/07/80	1	3.9	127.2	133	10.0	1.5	25	3.0
1/07/80	2	4.0	121.3	175	12.3	1.4	25	3.0
1/07/80	3	4.0	117.9	125	10.9	1.4	25	3.0
4/23/80	1	3.2	219.3	192	13.1	1.7	90	1.2
4/23/80	2	3.2	226.5	167	9.7	1.8	90	1.2
4/23/80	3	3.2	222.1	133	11.8	1.5	90	1.2
8/07/80	1	4.2	234.1	266	5.8	2.3	70	2.2
8/07/80	2	4.2	230.7	230	4.1	2.5	70	2.2
8/07/80	3	4.2	232.8	237	2.5	3.1	70	2.2
MEAN		3.8	192.4	184	8.9	1.9	62	2.1

LAKE DEXTER VOLUSIA/LAKE COUNTY

DATE	SAMPLE	pH	ALKALINITY TOTAL mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/06/79	1	6.77	30	0	460	93.5	71.0	67.0	3.5	119	32.0
10/06/79	2	6.75	36	0	460	94.0	71.0	66.0	3.3	119	32.0
10/06/79	3	6.75	36	0	470	94.0	71.0	66.0	3.3	122	32.0
3/06/80	1	7.54	59	0	760	155.5	112.0	105.0	4.5	188	56.0
3/06/80	2	7.65	59	0	760	152.0	117.0	100.0	4.3	184	53.0
3/06/80	3	7.63	56	0	740	150.0	114.0	98.0	4.1	177	40.0
7/16/80	1	8.70	62	4	960	196.0	114.0	150.0	5.9	270	79.8
7/16/80	2	8.56	62	1	980	196.0	114.0	146.0	5.6	270	83.4
7/16/80	3	8.41	62	0	980	196.0	112.0	142.0	5.6	265	79.2
MEAN		7.17	51	1	730	147.4	99.6	104.0	4.5	190	54.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/06/79	1	6.5	403.7	1150	170.8	4.8	250	0.5
10/06/79	2	6.6	390.5	1140	167.4	5.2	250	0.5
10/06/79	3	6.8	376.1	1180	151.6	4.8	250	0.6
3/06/80	1	3.4	157.5	833	82.8	9.2	100	0.9
3/06/80	2	3.5	166.1	983	76.9	9.1	100	0.9
3/06/80	3	3.9	164.4	991	74.5	16.9	100	0.9
7/16/80	1	5.8	45.0	891	117.7	44.6	50	0.6
7/16/80	2	6.9	54.6	916	105.5	33.8	60	0.6
7/16/80	3	7.7	62.6	858	87.1	29.9	60	0.5
MEAN		5.7	202.3	994	114.9	17.6	136	0.7

LAKE DIAS VOLUSIA COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
10/06/79	1	6.48	8	0	86	25.0	16.5	7.6	2.4	13.0	10.0		
10/06/79	2	6.52	9	0	85	25.0	16.5	7.6	2.2	12.8	9.4		
10/06/79	3	6.51	9	0	86	25.0	16.5	7.5	2.3	12.8	7.7		
3/12/80	1	6.70	8	0	94	29.0	22.5	7.8	2.3	13.3	15.0		
3/12/80	2	6.72	9	0	102	28.0	23.0	7.6	2.3	13.0	14.0		
3/12/80	3	6.80	9	0	93	28.0	21.5	7.7	2.3	12.5	10.0		
7/29/80	1	7.32	11	0	94	28.0	20.0	8.1	2.5	13.8	20.2		
7/29/80	2	7.24	10	0	94	29.0	21.0	6.6	2.4	13.8	17.0		
7/29/80	3	7.11	11	0	93	28.0	20.0	6.5	2.4	13.5	21.7		
MEAN		6.73	9	0	92	27.2	19.7	7.4	2.3	13.2	13.9		

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
10/06/79	1	3.2	382.6	642	56.7	7.6	150	1.0
10/06/79	2	3.2	365.8	704	50.5	7.4	150	1.0
10/06/79	3	3.2	365.8	880	58.2	3.6	150	1.0
3/12/80	1	4.6	335.1	616	50.3	0.6	150	0.5
3/12/80	2	4.6	333.2	608	50.7	0.5	150	0.5
3/12/80	3	4.7	337.0	625	48.6	0.9	150	0.7
7/29/80	1	3.8	320.6	517	64.5	11.3	100	1.5
7/29/80	2	3.7	319.3	603	64.5	11.9	100	1.5
7/29/80	3	3.7	317.2	560	30.3	13.0	100	1.4
MEAN		3.9	341.8	639	52.7	6.3	133	1.0

DINNER LAKE HIGHLANDS COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.59	36	0	162	63.5	35.0	11.0	3.6	15.3	30.0
1/30/80	2	7.65	37	0	160	63.5	35.5	11.0	3.7	15.5	30.0
1/30/80	3	7.61	37	0	160	63.5	35.0	11.0	3.7	15.5	25.0
6/02/80	1	8.41	36	0	190	62.5	37.0	8.9	4.4	16.3	32.0
6/02/80	2	8.47	37	0	185	62.5	35.0	9.1	4.5	16.3	30.0
6/02/80	3	8.36	36	0	190	63.0	34.5	9.1	4.5	16.3	31.0
8/20/80	1	8.50	38	0	179	65.0	37.0	11.0	4.7	16.5	34.0
8/20/80	2	8.50	39	0	175	65.0	37.0	11.0	4.6	16.8	30.0
8/20/80	3	8.39	38	0	175	65.0	38.0	11.0	4.6	16.5	33.0
MEAN		7.98	37	0	175	63.7	36.0	10.3	4.2	16.1	30.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/30/80	1	0.3	11.5	425	11.0	2.5	0	4.0
1/30/80	2	0.2	9.8	625	11.0	2.7	0	4.0
1/30/80	3	0.2	11.7	650	13.0	2.5	0	4.0
6/02/80	1	0.3	8.2	352	7.7	5.4	5	2.0
6/02/80	2	0.3	6.7	409	6.7	4.9	5	2.2
6/02/80	3	0.3	9.5	402	8.1	4.4	5	2.2
8/20/80	1	0.4	6.0	438	7.9	4.5	5	2.5
8/20/80	2	0.4	6.0	424	5.4	5.0	5	2.6
8/20/80	3	0.4	5.5	381	16.6	4.8	5	2.6
MEAN		0.3	8.3	456	8.6	4.1	3	2.9

LAKE DISSTON FLAGLER COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/06/79	1	4.97	2	0	44	16.5	6.5	5.1	0.7	6.3	0.0	
10/06/79	2	4.95	2	0	44	16.5	6.5	4.8	0.5	7.0	0.0	
10/06/79	3	4.95	2	0	44	16.0	6.5	5.1	0.7	6.8	0.0	
3/12/80	1	5.31	3	0	55	14.0	6.0	6.1	0.3	10.8	5.5	
3/12/80	2	5.28	3	0	55	14.0	6.0	6.3	0.3	10.8	3.7	
3/12/80	3	5.28	3	0	55	14.0	6.0	6.2	0.4	10.5	5.3	
7/09/80	1	5.93	5	0	59	15.5	8.5	7.4	0.4	12.3	10.1	
7/09/80	2	5.62	4	0	53	16.0	7.5	6.7	0.4	12.3	13.5	
7/09/80	3	5.62	4	0	59	14.5	8.5	6.4	0.4	12.3	10.4	
MEAN		5.22	3	0	52	15.2	6.9	6.0	0.5	9.9	5.4	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/06/79	1	3.2	980.7	968	****	0.8	500	0.4
10/06/79	2	3.1	978.5	933	20.6	1.0	500	0.4
10/06/79	3	3.1	988.3	959	16.4	0.9	500	0.3
3/12/80	1	3.8	662.0	591	18.7	1.5	350	0.3
3/12/80	2	3.9	666.2	733	3.5	1.4	350	0.3
3/12/80	3	3.9	672.5	542	7.3	1.5	350	0.4
7/09/80	1	2.9	609.8	966	3.6	2.8	300	0.5
7/09/80	2	2.8	635.3	883	2.0	2.5	300	0.6
7/09/80	3	2.9	529.0	917	9.2	2.2	300	0.6
MEAN		3.3	746.9	832	10.2	1.6	383	0.4

LAKE DORA LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	8.90	114	8	300	145.5	87.5	16.0	9.3	30.5	28.0
11/06/79	2	8.94	114	7	295	146.0	87.5	16.0	9.1	30.3	24.0
11/06/79	3	8.92	114	7	300	145.0	86.0	16.0	9.2	30.3	20.0
3/27/80	1	8.83	127	7	340	165.0	106.5	18.0	9.7	31.3	22.0
3/27/80	2	8.88	127	9	350	165.5	106.5	17.0	9.6	31.3	23.0
3/27/80	3	8.83	127	9	340	165.0	106.5	17.0	9.7	31.3	21.0
7/21/80	1	8.97	119	10	320	153.0	85.0	17.0	10.0	34.3	27.9
7/21/80	2	9.01	121	12	320	154.0	84.0	17.0	10.0	34.3	28.1
7/21/80	3	8.96	118	10	320	154.0	83.5	17.0	10.0	34.0	27.7
MEAN		8.91	120	9	321	154.8	92.6	16.8	9.6	32.0	24.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	2.2	114.0	2810	97.3	132.7	50	0.5
11/06/79	2	2.1	120.8	2770	91.7	131.1	50	0.4
11/06/79	3	2.2	115.5	2950	93.7	133.3	50	0.5
3/27/80	1	1.4	59.8	4050	98.9	159.5	50	0.4
3/27/80	2	1.4	44.8	3550	95.8	154.4	50	0.4
3/27/80	3	1.3	52.7	2970	91.3	167.9	50	0.3
7/21/80	1	1.6	32.8	2780	90.3	78.6	30	0.3
7/21/80	2	1.6	33.2	2750	80.7	73.1	25	0.3
7/21/80	3	1.7	43.7	2930	73.0	80.9	30	0.4
MEAN		1.8	68.6	3062	90.3	123.5	43	0.4

LAKE DORR LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/15/79	1	5.33	2	0	45	8.8	5.0	5.4	0.3	6.8	3.7	
9/15/79	2	5.35	2	0	45	9.5	4.8	5.1	0.3	7.0	3.4	
9/15/79	3	5.34	2	0	45	9.5	4.5	5.3	0.4	7.0	3.6	
3/06/80	1	5.25	1	0	43	10.0	4.5	5.5	0.2	7.0	4.2	
3/06/80	2	5.25	2	0	46	9.5	5.0	5.7	0.2	7.3	4.3	
3/06/80	3	5.27	2	0	43	9.0	5.0	5.7	0.2	7.0	4.5	
7/16/80	1	5.54	3	0	43	8.5	6.0	4.6	0.3	7.8	14.4	
7/16/80	2	5.60	2	0	43	9.0	6.0	4.6	0.3	7.8	14.7	
7/16/80	3	4.75	1	0	47	9.0	6.5	4.6	0.3	8.0	15.8	
MEAN		5.22	2	0	44	9.2	5.3	5.2	0.3	7.3	7.6	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/15/79	1	2.3	298.4	387	18.3	5.7	100	1.2
9/15/79	2	2.3	299.2	361	17.0	5.2	100	1.2
9/15/79	3	2.3	299.6	405	9.1	6.1	100	1.1
3/06/80	1	0.5	306.9	367	33.1	2.6	75	0.9
3/06/80	2	0.5	308.6	383	33.7	2.5	75	0.9
3/06/80	3	0.5	310.1	367	34.6	2.4	75	1.0
7/16/80	1	1.1	217.4	367	11.7	4.4	100	1.5
7/16/80	2	1.1	218.7	333	11.3	4.4	100	1.5
7/16/80	3	1.1	223.3	350	13.2	4.2	100	1.5
MEAN		1.3	275.8	369	20.2	4.2	92	1.2

LAKE DOWN ORANGE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/19/79	1	6.63	3	0	200	61.5	22.5	13.0	8.4	5	24.3	67.0
12/19/79	2	6.64	3	0	200	61.5	22.5	13.0	8.5	5	24.3	66.0
12/19/79	3	6.64	3	0	205	61.0	22.5	14.0	8.4	5	24.0	60.0
4/10/80	1	6.15	2	0	210	63.0	23.5	14.0	9.2	0	24.8	67.0
4/10/80	2	6.41	3	0	200	63.0	23.5	14.0	9.1	0	25.0	64.0
4/10/80	3	6.43	3	0	200	62.5	23.5	13.0	9.1	0	24.8	54.0
7/30/80	1	6.53	2	0	220	65.0	24.0	12.0	9.1	0	26.0	52.3
7/30/80	2	6.50	2	0	220	64.0	24.0	12.0	9.0	0	26.8	56.6
7/30/80	3	6.51	3	0	220	63.5	23.5	****	8.9	0	26.5	61.5
MEAN		6.47	3	0	208	62.8	23.3	13.1	8.9	3	25.2	60.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/19/79	1	0.2	8.6	317	15.9	0.8	5	6.3
12/19/79	2	0.2	14.6	308	15.9	0.8	5	6.3
12/19/79	3	0.2	8.2	350	15.9	0.7	5	6.4
4/10/80	1	0.0	15.9	333	2.1	0.8	0	B
4/10/80	2	0.0	17.0	333	5.1	0.8	0	B
4/10/80	3	0.0	8.9	283	5.0	0.8	0	B
7/30/80	1	0.0	8.7	295	4.4	1.6	5	6.0
7/30/80	2	0.1	8.1	237	3.9	1.3	5	6.1
7/30/80	3	0.0	8.7	323	3.9	1.5	5	6.1
MEAN		0.1	11.0	309	8.0	1.0	3	6.2

DUNFORD POND WASHINGTON COUNTY

DATE	SAMPLE	PH	ALKALINITY TOTAL mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/05/79	1	5.05	1	0	14	2.0	2.0	1.8	0.2	5	2.0	0.0
12/05/79	2	5.05	1	0	14	3.0	2.0	1.7	0.2	5	2.0	0.0
12/05/79	3	5.01	1	0	14	2.5	2.0	1.7	0.2	5	2.0	0.0
4/22/80	1	4.89	1	0	15	2.0	1.5	1.6	0.1	15	2.3	7.0
4/22/80	2	4.87	1	0	15	2.5	1.5	1.5	0.1	15	2.0	5.8
4/22/80	3	4.87	1	0	15	2.0	1.0	1.6	0.1	15	2.0	7.1
8/05/80	1	5.01	1	0	15	1.9	1.4	1.9	0.2	15	2.5	8.2
8/05/80	2	4.98	1	0	15	1.8	1.2	1.8	0.2	15	2.8	5.8
8/05/80	3	4.99	1	0	15	1.6	1.4	1.9	0.2	15	2.3	8.9
MEAN		4.96	1	0	15	2.1	1.6	1.7	0.2	6	2.2	4.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe µg/m <sup>3</sup>	TOTAL N µg/m <sup>3</sup>	TOTAL P µg/m <sup>3</sup>	CHLORO- PHYLL µg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI m
12/05/79	1	0.0	21.0	255	9.6	0.6	5	B
12/05/79	2	0.0	18.2	264	10.3	0.6	5	B
12/05/79	3	0.0	18.2	282	10.0	0.7	5	B
4/22/80	1	0.0	38.8	217	3.9	1.1	15	5
4/22/80	2	0.0	32.7	183	9.9	1.2	15	5
4/22/80	3	0.0	34.4	183	5.2	0.8	10	5
8/05/80	1	0.0	19.4	208	5.2	0.8	0	B
8/05/80	2	0.0	19.2	201	4.8	0.7	0	B
8/05/80	3	0.0	20.5	187	4.8	0.6	0	B
MEAN		0.0	24.7	220	7.1	0.8	6	5

EAGLE LAKE POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	7.54	29	0	250	80.0	28.5	14.0	8.3	5	25.5	81.0
1/17/80	2	7.59	29	0	250	80.5	29.0	15.0	8.3	5	25.5	59.0
1/17/80	3	7.58	29	0	260	81.0	29.0	15.0	8.4	5	25.3	49.0
5/14/80	1	7.12	29	0	250	83.5	32.0	14.0	7.8	20	26.5	65.0
5/14/80	2	7.57	28	0	240	83.0	31.5	14.0	7.8	20	26.5	61.0
5/14/80	3	7.72	29	0	240	83.0	31.0	14.0	7.7	20	26.8	60.0
8/05/80	1	8.39	30	1	210	85.0	33.0	16.0	7.6	20	26.5	56.5
8/05/80	2	8.54	30	1	220	85.0	33.0	16.0	7.6	20	26.8	57.6
8/05/80	3	8.57	31	1	220	85.0	32.0	15.0	7.5	20	26.8	61.7
MEAN		7.63	29	0	238	82.9	31.0	14.8	7.9	13	26.2	61.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
1/17/80	1	0.9	18.0	799	40.9	****	5	0.7
1/17/80	2	0.9	15.0	1210	38.9	35.6	5	0.8
1/17/80	3	0.9	14.1	1250	41.6	35.6	5	0.8
5/14/80	1	0.3	53.4	600	23.4	18.3	20	0.8
5/14/80	2	0.3	47.1	625	20.8	20.9	20	0.8
5/14/80	3	0.3	38.0	608	18.9	17.7	20	0.7
8/05/80	1	0.2	43.6	1130	23.1	25.2	10	0.7
8/05/80	2	0.2	53.3	1100	21.7	23.2	15	0.8
8/05/80	3	0.2	52.4	1020	30.5	23.9	15	0.8
MEAN		0.4	37.2	927	28.9	25.1	13	0.8

LAKE EATON MARION COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/15/79	1	6.78	22	0	80	39.3	27.0	4.8	0.3	7.5	0.0	
9/15/79	2	6.77	22	0	81	39.5	27.5	4.7	0.3	7.3	0.0	
9/15/79	3	6.77	22	0	81	39.0	27.5	4.8	0.3	7.5	0.0	
3/06/80	1	7.02	18	0	90	44.5	31.5	6.3	0.1	8.5	3.2	
3/06/80	2	7.02	20	0	86	44.0	32.0	5.8	0.1	8.5	3.9	
3/06/80	3	6.97	20	0	89	42.0	32.0	5.8	0.1	8.5	3.4	
7/16/80	1	7.37	40	0	146	72.5	56.5	5.1	0.3	9.0	40.4	
7/16/80	2	7.30	39	0	146	72.0	55.0	5.0	0.3	8.8	43.1	
7/16/80	3	7.25	39	0	148	71.5	55.5	5.1	0.3	8.5	38.2	
MEAN		6.97	27	0	105	51.6	38.3	5.3	0.2	8.2	14.7	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
9/15/79	1	10.9	967.7	1230	59.4	0.6	600	0.4
9/15/79	2	11.9	959.2	1190	58.8	0.5	600	0.4
9/15/79	3	12.1	965.6	1180	53.0	0.7	600	0.4
3/06/80	1	6.9	499.1	925	39.6	6.0	350	0.4
3/06/80	2	7.2	503.2	***	38.5	2.7	350	0.4
3/06/80	3	7.0	715.6	1000	35.5	4.4	350	0.4
7/16/80	1	15.5	636.8	891	67.5	5.1	300	0.5
7/16/80	2	15.7	645.2	991	70.3	4.9	300	0.5
7/16/80	3	15.5	657.8	970	67.9	3.8	300	0.5
MEAN		11.4	727.8	1047	54.5	3.2	415	0.4

LAKE ELLEN WAKULLA COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/07/80	1	5.07	1	0	21	5.0	2.5	2.7	2.5	2.7	0.1	3.8	3.2
1/07/80	2	5.07	1	0	20	5.5	3.0	2.7	3.0	2.7	0.2	3.8	3.1
1/07/80	3	5.07	1	0	21	5.0	2.5	2.5	2.5	2.5	0.1	3.8	2.9
4/24/80	1	5.02	1	0	24	5.5	3.5	2.5	3.5	2.5	0.1	3.3	5.7
4/24/80	2	4.85	2	0	24	4.5	3.0	2.5	3.0	2.5	0.1	3.5	4.9
4/24/80	3	4.82	1	0	24	5.0	3.0	2.5	3.0	2.5	0.1	3.5	4.6
8/07/80	1	4.86	2	0	23	4.5	3.0	2.6	3.0	2.6	0.2	3.5	7.3
8/07/80	2	4.88	1	0	23	5.0	2.0	2.7	2.0	2.7	0.2	3.5	8.4
8/07/80	3	4.82	1	0	24	4.5	2.5	2.7	2.5	2.7	0.3	3.0	8.8
MEAN	1	4.93	1	0	23	4.9	2.8	2.6	2.8	2.6	0.2	3.5	5.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/07/80	1	0.0	190.6	308	19.5	4.3	50	1.7
1/07/80	2	0.0	187.8	350	18.4	4.7	50	1.7
1/07/80	3	0.0	191.0	325	11.6	4.5	50	1.6
4/24/80	1	0.6	194.0	317	6.7	2.0	120	1.2
4/24/80	2	0.5	188.5	350	9.1	1.8	120	1.4
4/24/80	3	0.5	191.3	325	10.1	1.8	120	1.4
8/07/80	1	0.8	237.5	302	10.7	2.5	120	1.4
8/07/80	2	0.8	241.6	338	8.6	3.7	120	1.5
8/07/80	3	0.8	239.9	259	12.8	3.3	120	1.5
MEAN		0.4	206.9	319	11.9	3.2	97	1.5

LAKE EUSTIS LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	8.88	97	5	255	115.5	74.5	13.0	4.9	22.8	14.0
11/06/79	2	8.84	97	6	250	116.0	75.0	13.0	4.9	22.8	13.0
11/06/79	3	8.80	96	6	250	116.0	76.5	13.0	4.9	22.8	10.0
3/27/80	1	8.48	109	1	300	134.0	94.0	14.0	5.5	23.0	13.0
3/27/80	2	8.52	110	2	290	134.0	89.0	14.0	5.5	23.0	13.0
3/27/80	3	8.53	111	2	290	134.0	88.0	14.0	5.5	23.0	12.0
7/21/80	1	8.69	106	5	270	129.5	81.5	13.0	5.6	23.8	17.7
7/21/80	2	8.75	106	7	270	128.0	81.5	13.0	5.7	24.3	20.1
7/21/80	3	8.74	103	7	270	128.5	80.0	13.0	5.7	24.3	18.3
MEAN		8.67	104	6	272	126.2	82.2	13.3	5.4	23.3	14.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l pt	SECCHI #
11/06/79	1	1.2	129.0	1470	38.3	67.7	20	0.6
11/06/79	2	1.2	124.2	1510	54.4	64.3	15	0.5
11/06/79	3	1.2	120.3	1660	45.7	71.9	20	0.5
3/27/80	1	0.7	40.7	2030	50.5	100.4	25	0.4
3/27/80	2	0.7	40.0	2430	51.4	85.1	25	0.4
3/27/80	3	0.7	40.2	2100	55.9	94.7	25	0.4
7/21/80	1	1.3	31.8	1890	36.9	35.4	15	0.4
7/21/80	2	1.3	25.5	1800	40.6	35.5	15	0.4
7/21/80	3	1.3	26.9	1640	40.8	30.6	15	0.4
MEAN		1.1	64.3	1837	46.1	65.1	19	0.4

LAKE FAIRVIEW ORANGE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	7.74	54	0	163	69.0	59.0	9.5	2.1	12.8	9.6
12/20/79	2	7.85	54	0	158	68.5	58.5	9.3	2.1	12.8	11.0
12/20/79	3	7.86	52	0	165	60.0	58.0	10.0	1.9	12.5	9.4
4/09/80	1	7.82	64	0	210	77.5	65.5	10.0	3.2	14.0	17.0
4/09/80	2	7.83	63	0	210	76.5	64.5	10.0	3.2	13.8	12.0
4/09/80	3	7.84	63	0	210	77.5	65.0	10.0	3.2	13.8	9.7
7/29/80	1	8.56	40	1	148	53.0	42.0	9.2	2.1	14.5	21.8
7/29/80	2	8.73	40	1	148	52.5	42.5	9.1	2.1	14.5	20.5
7/29/80	3	8.71	39	1	148	52.5	41.5	9.1	2.1	14.0	19.4
MEAN		7.97	52	0	173	65.2	55.1	9.6	2.4	13.6	14.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/20/79	1	0.2	10.5	433	28.8	***	10	6.0
12/20/79	2	0.2	8.2	442	21.1	1.5	5	6.0
12/20/79	3	0.2	7.5	442	21.2	1.7	5	6.0
4/09/80	1	0.1	21.7	392	13.8	3.3	5	2.7
4/09/80	2	0.1	***	483	13.1	3.6	5	3.0
4/09/80	3	0.1	17.8	483	15.6	3.9	0	3.0
7/29/80	1	0.2	9.0	496	6.7	2.0	5	5.3
7/29/80	2	0.2	10.2	330	6.7	1.9	5	5.4
7/29/80	3	0.2	15.4	517	6.7	1.9	5	5.4
MEAN		0.1	12.5	446	14.9	2.5	5	4.8

WASHINGTON COUNTY

GAP POND

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	CHLORIDE mg/l	POTASSIUM mg/l	SULFATE mg/l
12/05/79	1	5.19	1	0	13	2.0	2.0	1.8	1.8	0.2	0.2	2.8
12/05/79	2	5.22	1	0	13	2.0	2.0	1.8	1.8	0.3	0.3	0.0
12/05/79	3	5.21	1	0	13	2.5	2.5	1.7	1.7	0.3	0.3	2.9
4/22/80	1	5.08	1	0	13	2.0	2.0	1.6	1.6	0.1	0.1	4.4
4/22/80	2	5.07	1	0	13	2.5	1.5	1.5	1.5	0.1	0.1	5.6
4/22/80	3	5.05	1	0	13	2.5	1.5	1.5	1.5	0.1	0.1	6.3
8/05/80	1	5.12	1	0	12	1.7	0.9	2.0	2.0	0.2	0.2	14.5
8/05/80	2	5.08	1	0	12	1.6	0.8	1.9	1.9	0.2	0.2	14.5
8/05/80	3	5.08	1	0	14	1.6	1.2	1.9	1.9	0.3	0.3	12.6
MEAN		5.12	1	0	13	2.0	1.6	1.7	1.7	0.2	0.2	7.1

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/05/79	1	0.0	25.5	299	32.6	1.5	5	B
12/05/79	2	0.0	26.8	308	14.1	1.3	5	B
12/05/79	3	0.0	28.5	282	15.9	1.0	5	B
4/22/80	1	0.0	46.5	383	5.0	1.6	5	B
4/22/80	2	0.0	45.0	333	9.7	1.3	10	B
4/22/80	3	0.0	51.0	308	11.0	1.5	10	B
8/05/80	1	0.1	41.3	244	7.1	2.0	0	4.3
8/05/80	2	0.0	47.7	273	7.3	2.2	0	4.6
8/05/80	3	0.1	43.4	345	6.7	1.1	0	4.6
MEAN		0.0	39.5	308	12.2	1.5	4	4.5

CLAY COUNTY

LAKE GENEVA

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/05/79	1	6.38	3	0	52	11.0	6.0	5.6	0.6	8.8	8.1
9/05/79	2	6.37	3	0	50	11.0	6.0	5.9	0.5	8.8	7.4
9/05/79	3	6.36	3	0	50	11.0	6.0	6.9	0.6	8.8	13.4
2/27/80	1	6.55	3	0	52	11.0	6.0	6.1	0.2	8.8	7.2
2/27/80	2	6.57	3	0	52	11.0	6.0	6.1	0.2	8.8	6.9
2/27/80	3	6.55	3	0	52	11.5	6.0	6.2	0.2	8.8	6.6
6/30/80	1	6.27	3	0	54	11.5	6.0	7.5	0.4	8.8	12.4
6/30/80	2	6.31	3	0	54	12.0	6.5	7.8	0.4	9.3	12.1
6/30/80	3	6.34	3	0	54	11.0	6.0	7.9	0.4	9.0	9.7
MEAN		6.40	3	0	52	11.2	6.1	6.7	0.4	8.9	9.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/05/79	1	0.0	17.9	3.3	3.0	5	2.8
9/05/79	2	0.0	18.1	2.2	2.8	5	2.8
9/05/79	3	0.0	17.0	4.4	2.4	5	2.8
2/27/80	1	0.2	12.5	27.9	1.0	0	3.0
2/27/80	2	0.4	12.5	23.5	1.6	0	3.0
2/27/80	3	0.2	12.5	27.0	1.4	0	3.0
6/30/80	1	0.2	18.9	8.8	3.3	5	4.0
6/30/80	2	0.2	13.7	9.0	2.5	3	4.0
6/30/80	3	0.2	12.6	9.0	2.8	5	4.0
MEAN		0.2	15.1	12.8	2.3	3	3.3

LAKE GENTRY OSCEOLA COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/29/80	1	5.92	4	0	80	18.0	7.0	9.8	1.2	18.0	6.9
1/29/80	2	6.06	3	0	80	18.0	7.0	9.9	1.2	18.0	7.0
1/29/80	3	6.05	3	0	80	17.5	7.0	9.9	1.2	18.3	5.4
6/01/80	1	6.10	3	0	98	20.0	9.5	9.8	1.3	21.3	11.0
6/01/80	2	6.11	3	0	98	20.0	10.0	9.8	1.3	21.5	9.0
6/01/80	3	6.10	3	0	100	20.0	10.5	9.9	1.3	21.3	10.0
8/19/80	1	6.25	3	0	105	21.0	11.0	12.0	1.5	23.0	13.0
8/19/80	2	6.26	4	0	104	21.0	11.5	12.0	1.5	23.3	12.0
8/19/80	3	6.03	2	0	102	21.0	11.0	12.0	1.5	23.3	12.0
MEAN		6.09	3	0	94	19.6	9.4	10.6	1.3	20.9	9.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/29/80	1	0.6	369.3	658	29.4	3.3	100	0.6
1/29/80	2	0.5	371.0	591	25.3	4.1	100	0.7
1/29/80	3	0.5	360.0	691	27.3	4.4	100	0.7
6/01/80	1	0.5	353.6	654	16.5	4.6	75	0.7
6/01/80	2	0.5	355.5	639	12.9	3.9	75	0.7
6/01/80	3	0.5	359.5	646	12.9	4.5	75	0.7
8/19/80	1	0.6	364.8	532	18.2	5.0	67	1.1
8/19/80	2	0.5	347.1	546	16.8	5.1	63	1.1
8/19/80	3	0.5	345.0	560	15.3	5.5	63	1.1
MEAN		0.5	358.4	613	19.4	4.5	80	0.8

LAKE HATCHINEHA POLK/OSCEOLA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.11	24	0	96	42.0	27.5	6.9	1.2	12.0	6.4
1/30/80	2	7.34	25	0	92	40.0	27.5	6.7	1.3	11.8	5.1
1/30/80	3	7.24	25	0	89	40.5	28.0	6.3	1.2	11.5	6.6
6/01/80	1	7.53	25	0	112	40.5	31.5	7.5	1.5	14.5	12.0
6/01/80	2	7.54	25	0	112	40.5	31.5	7.6	1.5	14.8	13.0
6/01/80	3	7.61	25	0	114	40.5	30.5	7.5	1.5	14.5	9.3
8/20/80	1	7.32	24	0	115	37.0	26.0	9.5	1.9	16.0	17.0
8/20/80	2	7.30	22	0	113	37.0	26.0	9.7	1.8	16.3	16.0
8/20/80	3	7.22	24	0	114	37.0	26.0	9.5	1.8	15.8	15.0
MEAN		7.33	24	0	106	39.4	28.3	7.9	1.5	14.1	11.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> lab	COLOR mg/l Pt	SECCHI #
1/30/80	1	4.7	339.0	1030	17.1	1.0	200	0.7
1/30/80	2	4.5	319.9	1030	17.1	4.0	200	0.7
1/30/80	3	4.2	270.6	933	17.1	0.5	200	0.7
6/01/80	1	2.8	330.8	1230	71.9	21.6	117	0.5
6/01/80	2	2.9	333.9	1270	75.6	17.5	117	0.5
6/01/80	3	2.9	337.6	1250	80.8	23.8	117	0.5
8/20/80	1	4.2	259.1	1370	44.2	30.1	70	0.6
8/20/80	2	4.2	250.1	1190	46.2	25.3	70	0.6
8/20/80	3	4.2	253.1	1240	45.4	33.0	70	0.5
MEAN		3.8	299.3	1171	46.2	17.4	129	0.6

LAKE HART ORANGE COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/29/80	1	5.71	4	0	86	22.0	10.5	9.5	0.9	17.0	7.5
1/29/80	2	5.81	5	0	81	21.5	10.0	9.3	0.9	17.0	7.4
1/29/80	3	5.81	5	0	81	21.5	10.0	9.2	0.9	17.3	6.8
6/01/80	1	5.90	4	0	92	21.5	10.0	8.4	0.8	18.0	12.0
6/01/80	2	5.84	4	0	90	22.0	11.0	8.5	0.8	18.0	13.0
6/01/80	3	5.81	3	0	92	19.5	11.0	8.5	0.8	18.0	12.0
8/19/80	1	5.97	4	0	95	22.0	8.0	10.0	1.0	19.0	18.0
8/19/80	2	6.04	4	0	95	20.0	8.0	10.0	1.0	19.3	19.0
8/19/80	3	6.05	4	0	95	20.0	8.0	10.0	1.0	19.3	19.0
MEAN		5.87	4	0	90	21.1	9.6	9.3	0.9	18.1	12.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
1/29/80	1	1.1	727.0	1230	21.2	3.6	175	0.6
1/29/80	2	1.5	705.7	1070	21.2	3.8	175	0.7
1/29/80	3	1.4	748.2	1010	21.2	4.0	175	0.7
6/01/80	1	1.0	754.9	1010	8.1	4.7	200	0.5
6/01/80	2	1.0	779.0	1300	8.1	4.5	200	0.6
6/01/80	3	0.9	761.5	1260	6.2	4.4	200	0.6
8/19/80	1	0.7	939.0	1070	28.0	2.9	175	0.7
8/19/80	2	0.7	951.8	970	30.3	5.2	175	0.7
8/19/80	3	0.7	930.5	1090	28.0	4.3	175	0.6
MEAN		1.0	810.8	1112	19.1	4.2	183	0.6

LAKE HARRIS LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	8.59	92	2	210	104.0	74.0	9.5	2.3	16.5	7.4	
11/06/79	2	8.63	92	2	210	104.5	74.5	9.4	2.2	16.0	8.4	
11/06/79	3	8.44	92	1	215	104.5	73.5	9.3	2.2	16.3	8.5	
3/27/80	1	8.32	97	0	250	111.5	84.0	10.0	2.6	16.5	9.0	
3/27/80	2	8.30	97	0	240	111.0	82.0	10.0	2.6	16.3	8.4	
3/27/80	3	8.29	95	0	240	111.0	81.5	11.0	2.7	16.3	7.3	
7/21/80	1	8.54	96	2	220	110.0	76.5	9.5	2.7	17.8	15.5	
7/21/80	2	8.50	97	2	220	110.0	77.0	10.0	2.7	17.5	15.8	
7/21/80	3	8.57	97	3	220	110.0	77.0	10.0	2.7	17.3	14.7	
MEAN		8.45	95	1	225	108.5	77.8	9.9	2.5	16.7	10.6	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL. mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	1.5	88.8	862	23.1	27.7	15	0.9
11/06/79	2	1.5	93.7	1130	23.7	25.0	10	0.9
11/06/79	3	1.5	89.0	977	19.6	32.5	10	0.9
3/27/80	1	0.4	86.1	1260	20.3	15.6	20	0.9
3/27/80	2	0.4	59.2	1370	21.8	13.9	25	0.9
3/27/80	3	0.3	90.8	1130	21.2	11.5	25	0.9
7/21/80	1	1.3	51.9	1160	30.7	20.0	10	0.6
7/21/80	2	1.2	48.8	1070	27.7	19.9	10	0.6
7/21/80	3	1.2	48.8	1240	29.7	20.9	10	0.6
MEAN		1.0	73.0	1133	24.2	20.8	15	0.8

SEMINOLE/VOLUSIA COUNTY

LAKE HARNEY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE μhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
11/29/79	1	7.25	45	0	460	96.0	72.0	62	4.0	119	23	
11/29/79	2	7.25	45	0	470	96.5	72.0	62	4.0	119	23	
11/29/79	3	7.25	45	0	460	96.0	72.0	60	3.9	119	21	
3/12/80	1	7.37	47	0	980	208.0	126.0	150	7.5	286	110	
3/12/80	2	7.41	48	0	1040	206.0	124.0	155	7.8	286	109	
3/12/80	3	7.39	48	0	1040	208.0	124.5	155	7.7	285	109	
7/29/80	1	8.05	50	0	1850	360.0	192.0	340	14.0	565	193	
7/29/80	2	8.31	48	0	1850	364.0	194.0	340	15.0	585	211	
7/29/80	3	8.39	50	0	1850	362.0	190.0	350	15.0	575	185	
MEAN		7.46	47	0	1111	221.8	129.6	186	8.8	327	109	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/29/79	1	2.9	397.4	1210	69.0	1.9	150	0.7
11/29/79	2	3.0	404.1	1240	69.8	2.1	150	0.6
11/29/79	3	3.0	398.3	1330	63.1	4.0	150	0.6
3/12/80	1	0.9	192.7	866	90.5	2.4	100	0.9
3/12/80	2	0.9	184.9	1220	75.1	4.0	100	1.0
3/12/80	3	0.9	188.1	1120	87.5	3.4	100	1.0
7/29/80	1	5.5	117.9	819	155.1	27.0	60	0.7
7/29/80	2	5.6	92.9	790	144.3	34.2	60	0.7
7/29/80	3	5.6	100.6	919	140.3	27.2	60	0.7
MEAN		3.1	230.7	1057	99.4	11.8	103	0.8

HAMPTON LAKE BRADFORD COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	5.50	2	0	55	10.5	9.0	6.3	0.4	15	9.0	6.5
9/08/79	2	5.49	2	0	54	10.5	7.0	6.4	0.4	15	8.8	6.4
9/08/79	3	5.48	2	0	55	10.0	7.0	6.2	0.4	15	8.8	6.7
2/27/80	1	5.38	2	0	46	10.5	5.0	5.9	0.2	40	8.0	6.8
2/27/80	2	5.41	2	0	45	11.0	5.0	6.3	0.2	40	8.0	6.4
2/27/80	3	5.39	2	0	45	10.5	5.0	5.7	0.2	40	8.0	6.4
7/02/80	1	5.63	2	0	50	10.5	5.5	4.6	0.3	35	9.0	8.2
7/02/80	2	5.75	2	0	50	11.0	5.0	4.6	0.3	35	8.8	9.2
7/02/80	3	5.49	2	0	50	11.0	5.5	4.9	0.3	35	9.0	9.6
MEAN		5.49	2	0	50	10.6	6.0	5.7	0.3	30	8.6	7.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL. mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/08/79	1	0.2	51.5	378	5.9	5.2	15	2.9
9/08/79	2	0.2	61.1	343	6.1	4.6	15	2.9
9/08/79	3	0.2	56.2	361	5.7	5.0	15	2.8
2/27/80	1	0.0	134.5	558	23.3	3.4	40	1.3
2/27/80	2	0.0	135.6	550	17.9	2.6	40	1.3
2/27/80	3	0.0	127.0	566	23.3	3.2	40	1.4
7/02/80	1	0.2	101.3	192	12.3	8.3	35	2.2
7/02/80	2	0.3	95.1	392	13.1	9.8	35	2.5
7/02/80	3	0.3	95.1	350	9.4	9.4	35	2.5
MEAN		0.2	95.3	410	13.0	5.7	30	2.2

LAKE GRIFFIN LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	8.67	93	3	255	113.5	72.0	15.0	4.4	30	24.5	17.0
11/06/79	2	8.57	93	2	255	113.5	72.5	14.0	4.3	30	22.5	17.0
11/06/79	3	8.68	93	3	255	113.0	73.0	14.0	4.3	30	22.8	13.0
3/27/80	1	8.55	110	2	300	133.0	90.0	15.0	5.0	25	22.8	16.0
3/27/80	2	8.48	110	1	290	132.0	91.0	15.0	4.9	25	22.5	16.0
3/27/80	3	8.39	109	1	290	132.0	89.0	15.0	4.8	25	22.5	16.0
7/21/80	1	8.86	87	5	230	105.0	61.0	15.0	5.1	25	25.5	19.8
7/21/80	2	8.91	86	5	230	106.0	60.0	14.0	5.1	25	25.0	18.0
7/21/80	3	8.91	86	6	240	105.0	60.0	14.0	5.1	25	25.0	18.9
MEAN		8.63	96	3	261	117.0	74.3	14.6	4.8	30	23.7	16.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	3.0	146.4	1750	115.8	97.1	30	0.4
11/06/79	2	2.9	136.4	2650	110.5	103.5	30	0.4
11/06/79	3	3.2	131.4	2840	111.3	101.7	30	0.4
3/27/80	1	0.3	41.1	1990	70.0	41.6	25	0.5
3/27/80	2	0.3	55.1	1590	75.4	41.5	25	0.5
3/27/80	3	0.2	57.9	1870	62.8	45.4	25	0.5
7/21/80	1	0.7	21.7	2350	68.3	69.3	15	0.2
7/21/80	2	0.4	24.8	2210	65.1	77.5	15	0.2
7/21/80	3	0.5	29.3	2360	69.2	77.9	15	0.2
MEAN		1.3	71.6	2179	83.2	72.8	23	0.4

LAKE GIBSON POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	6.93	11	0	94	26.5	11.0	8.8	3.1	13.8	13.0
1/16/80	2	6.89	10	0	92	27.0	11.5	8.8	3.1	14.0	24.0
1/16/80	3	6.83	11	0	92	27.0	11.5	9.0	3.1	13.8	14.0
5/14/80	1	7.06	15	0	130	34.5	18.5	10.0	3.5	15.3	18.0
5/14/80	2	6.97	15	0	125	34.5	18.0	9.8	3.5	15.5	21.0
5/14/80	3	6.93	15	0	128	34.5	18.0	9.8	3.5	15.4	17.0
8/05/80	1	5.82	4	0	94	21.0	10.5	11.0	3.2	15.5	25.3
8/05/80	2	6.39	6	0	94	21.0	10.5	11.0	3.2	15.3	24.7
8/05/80	3	6.18	5	0	92	20.5	9.5	11.0	3.2	15.0	22.7
MEAN		6.44	10	0	105	27.4	13.2	9.9	3.3	14.8	20.0

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/1 Pt	SECCHI #
1/16/80	1	0.1	274.7	733	74.8	4.3	70	0.8
1/16/80	2	0.1	275.1	741	85.2	3.0	70	0.8
1/16/80	3	0.2	270.0	800	356.3	3.1	70	0.8
5/14/80	1	2.5	355.0	625	397.1	4.2	90	0.5
5/14/80	2	2.5	357.4	875	219.8	7.2	90	0.5
5/14/80	3	2.4	350.5	775	232.3	5.7	100	0.5
8/05/80	1	1.1	189.8	600	353.3	7.9	45	1.1
8/05/80	2	0.9	195.0	542	356.7	9.6	45	1.1
8/05/80	3	1.0	191.1	525	351.2	8.4	45	1.0
MEAN		1.2	273.2	691	269.6	5.9	69	0.8

VOLUSIA/PUTNAM COUNTY

LAKE GEORGE

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
10/06/79	1	8.53	46	1	740	149.5	89.0	110	4.2		193	72.0
10/06/79	2	8.56	47	1	740	150.5	91.0	110	4.1		198	70.0
10/06/79	3	8.50	46	1	720	145.0	89.0	100	4.0		192	61.0
3/17/80	1	8.09	63	0	780	170.0	111.5	120	5.1		206	71.0
3/17/80	2	8.12	64	0	780	169.0	111.5	115	5.1		202	70.0
3/17/80	3	8.14	64	0	780	170.0	111.0	115	5.1		203	60.0
6/01/80	1	9.27	68	15	1150	218.0	133.0	165	6.5		300	84.7
6/01/80	2	9.33	68	18	1150	218.5	131.0	165	6.5		303	104.0
6/01/80	3	9.38	68	19	1150	218.5	129.0	165	6.5		303	97.3
MEAN		8.43	59	6	888	178.8	110.7	129	5.2		233	76.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
10/06/79	1	1.1	158.5	1302	46.9	46.2	100	0.7
10/06/79	2	1.1	161.1	1290	45.8	50.2	100	0.7
10/06/79	3	1.1	192.9	1190	42.6	58.1	100	0.6
3/17/80	1	0.0	122.0	775	40.5	12.0	100	1.0
3/17/80	2	0.0	133.2	958	38.1	19.2	100	0.8
3/17/80	3	0.0	143.6	925	39.6	18.6	100	0.8
6/01/80	1	6.0	224.4	2020	63.4	73.4	70	0.5
6/01/80	2	6.1	195.3	1920	101.9	78.8	60	0.5
6/01/80	3	6.2	184.6	1920	81.3	77.3	60	0.5
MEAN		2.4	168.4	1367	55.6	48.2	88	0.7

LAKE HOWARD POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	HARDNESS mg/l CaCO <sub>3</sub>	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	8.81	43	2	163	58.0	39.0	11.0	39.0	4.6	16.3	27.0
1/17/80	2	8.87	43	2	163	57.5	39.5	12.0	39.5	4.6	16.3	15.0
1/17/80	3	8.50	43	2	163	57.5	39.5	12.0	39.5	4.5	16.5	13.0
5/14/80	1	9.02	43	4	165	60.0	45.0	12.0	45.0	4.6	17.5	17.0
5/14/80	2	9.17	43	5	170	60.0	43.0	12.0	43.0	4.5	17.5	17.0
5/14/80	3	9.14	44	7	170	61.0	44.0	12.0	44.0	4.6	17.5	17.0
8/05/80	1	9.26	36	7	160	58.0	42.0	13.0	42.0	3.9	17.5	24.5
8/05/80	2	9.12	38	6	160	58.0	42.0	13.0	42.0	4.1	17.5	22.6
8/05/80	3	8.98	38	5	160	56.0	42.0	13.0	42.0	4.1	17.5	22.6
MEAN		8.92	41	4	164	58.4	41.8	12.2	41.8	4.4	17.1	19.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
1/17/80	1	0.7	23.9	1520	68.9	69.2	25	0.4
1/17/80	2	0.7	19.2	1530	57.4	65.5	25	0.4
1/17/80	3	0.6	20.1	1570	61.2	85.1	25	0.3
5/14/80	1	0.4	162.0	2340	48.9	96.1	40	0.2
5/14/80	2	0.4	158.1	2320	45.7	141.2	35	0.2
5/14/80	3	0.3	150.6	2460	50.0	116.7	35	0.2
8/05/80	1	0.6	113.8	2100	43.4	125.3	20	0.4
8/05/80	2	0.4	120.5	2210	44.3	118.8	20	0.5
8/05/80	3	0.5	138.2	1920	44.5	123.7	20	0.5
MEAN		0.5	100.7	1997	51.6	104.6	27	0.3

HIGHLANDS COUNTY

LAKE HUNTLEY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	6.17	3	0	0	91	22.5	13.0	8.1	3.6	13.5	21.0
1/31/80	2	6.12	3	0	0	90	22.0	13.5	8.1	3.7	13.3	21.0
1/31/80	3	6.15	3	0	0	90	22.5	13.5	9.1	3.2	13.3	18.0
6/02/80	1	5.96	3	0	0	102	23.5	9.0	7.4	4.1	14.8	25.0
6/02/80	2	5.94	4	0	0	100	23.5	8.0	7.4	4.3	15.0	25.0
6/02/80	3	6.00	3	0	0	100	24.0	8.5	7.4	4.1	14.8	21.0
8/21/80	1	5.64	1	0	0	101	22.0	9.0	8.8	4.1	15.5	25.0
8/21/80	2	5.98	2	0	0	101	23.0	8.0	8.8	4.1	15.5	19.0
8/21/80	3	6.08	2	0	0	100	22.5	8.0	8.7	4.1	15.5	22.0
MEAN		5.97	3	0	0	97	22.8	10.1	8.2	3.9	14.6	21.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/31/80	1	1.3	36.9	533	23.3	4.9	15	1.4
1/31/80	2	1.2	34.2	500	23.3	5.0	15	1.4
1/31/80	3	1.3	35.7	533	23.3	8.1	15	1.4
6/02/80	1	0.7	35.3	359	29.8	3.5	15	1.5
6/02/80	2	0.8	23.3	381	26.1	2.2	15	1.5
6/20/80	3	0.8	25.1	352	24.0	4.6	15	1.4
8/21/80	1	0.9	21.8	338	17.6	7.4	5	2.1
8/21/80	2	0.9	21.3	309	15.5	7.2	10	2.1
8/21/80	3	1.0	17.7	338	16.8	7.4	10	2.0
MEAN		1.0	27.9	405	22.2	5.6	13	1.6

HURRICANE LAKE OKALOOSA COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	5.73	3	0	13	2.0	1.0	1.8	0.1	2.5	0.0
1/08/80	2	5.72	2	0	13	2.5	1.0	1.8	0.1	2.5	0.0
1/08/80	3	5.73	3	0	13	2.0	1.0	1.7	0.1	2.8	0.0
4/23/80	1	5.63	2	0	14	2.0	1.0	1.9	0.1	2.3	5.3
4/23/80	2	5.64	2	0	13	2.5	1.0	1.9	0.1	2.3	5.3
4/23/80	3	5.63	2	0	14	2.5	1.0	1.8	0.1	2.3	6.3
8/06/80	1	5.86	3	0	14	2.5	1.0	2.2	0.3	2.5	10.0
8/06/80	2	5.51	3	0	16	2.5	1.0	2.4	0.3	3.0	10.3
8/06/80	3	5.81	3	0	14	2.5	1.5	2.2	0.3	2.8	13.6
MEAN		5.68	3	0	14	2.3	1.1	2.0	0.2	2.6	5.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/1 Pt	SECCHI #
1/08/80	1	0.9	****	442	11.2	1.6	10	4.3
1/08/80	2	0.9	233.7	475	11.8	1.5	10	4.3
1/08/80	3	0.9	238.8	450	11.2	1.4	10	4.3
4/23/80	1	0.9	334.5	175	15.1	***	20	3.0
4/23/80	2	0.9	338.8	175	11.0	2.8	20	3.0
4/23/80	3	0.9	343.0	225	8.4	4.0	20	2.9
8/06/80	1	0.3	594.8	323	5.0	2.3	20	3.2
8/06/80	2	0.3	604.4	287	15.5	4.1	20	3.2
8/06/80	3	0.3	634.4	302	10.5	3.5	15	3.1
MEAN		0.7	415.3	317	11.1	2.7	16	3.5

LAKE LAMONIA LEON COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/20/79	1	5.66	4	0	20	5.5	2.5	1.9	0.2	3.3	2.9
10/20/79	2	5.62	4	0	20	6.0	2.5	2.0	0.2	3.0	2.0
10/20/79	3	5.62	4	0	20	5.5	2.5	2.1	0.2	2.8	2.0
3/19/80	1	6.16	3	0	17	4.0	2.0	2.7	0.3	3.5	2.4
3/19/80	2	6.15	3	0	17	4.0	2.0	2.6	0.3	3.5	2.1
3/19/80	3	6.17	3	0	17	4.0	2.0	2.6	0.3	3.5	0.0
7/07/80	1	5.35	3	0	17	5.0	2.5	0.2	0.2	3.3	10.4
7/07/80	2	5.50	3	0	15	4.5	2.0	0.3	0.2	3.0	7.9
7/07/80	3	5.37	3	0	16	5.0	2.0	0.3	0.2	3.0	13.5
MEAN		5.63	3	0	18	4.8	2.2	1.6	0.2	3.2	4.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/20/79	1	1.2	842.7	591	4.1	5.7	25	2.1
10/20/79	2	1.2	969.7	350	3.9	6.5	25	2.1
10/20/79	3	1.1	1151.4	375	4.3	6.0	25	2.3
3/19/80	1	1.5	469.2	375	6.9	4.4	25	2.5
3/19/80	2	1.5	448.0	375	6.9	5.2	25	2.9
3/19/80	3	1.5	495.7	392	12.2	4.2	25	2.9
7/07/80	1	0.4	80.9	503	7.3	11.5	40	1.5
7/07/80	2	0.2	59.0	409	7.8	21.0	35	1.8
7/07/80	3	0.4	80.3	524	7.8	5.4	40	1.8
MEAN		1.0	510.8	433	6.8	7.8	29	2.2

PASCO COUNTY

LAKE IOLA

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/15/80	1	7.57	28	0	122	47.5	26.5	8.2	3.4	16.3	18.0
1/15/80	2	7.56	28	0	122	47.5	26.5	8.4	3.5	16.3	18.0
1/15/80	3	7.58	28	0	124	48.0	26.0	8.2	3.5	16.5	16.0
5/13/80	1	7.19	28	0	142	49.0	27.8	8.0	3.6	16.5	18.0
5/13/80	2	7.36	28	0	146	49.3	27.8	8.0	3.7	16.5	19.0
5/13/80	3	7.39	27	0	146	49.0	27.8	8.0	3.6	16.8	17.0
8/04/80	1	8.90	26	1	124	46.0	26.0	9.0	2.6	16.3	13.5
8/04/80	2	8.99	26	1	122	46.0	25.5	8.9	2.6	16.0	13.2
8/04/80	3	8.77	26	1	122	46.0	26.5	9.0	2.6	16.0	12.6
MEAN		7.59	27	0	130	47.6	26.7	8.4	3.2	16.4	16.1

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/15/80	1	0.2	29.7	683	29.0	15.9	10	1.9
1/15/80	2	0.2	29.3	666	28.5	15.2	10	1.9
1/15/80	3	0.2	29.3	725	31.5	15.8	10	1.8
5/13/80	1	0.1	20.6	533	7.6	1.7	10	3.7
5/13/80	2	0.1	23.4	508	13.7	2.0	10	4.0
5/13/80	3	0.1	18.2	375	13.3	2.0	10	4.0
8/04/80	1	0.3	10.9	538	3.9	5.6	10	3.0
8/04/80	2	0.3	10.7	533	4.1	5.7	10	3.0
8/04/80	3	0.3	13.7	489	4.1	4.6	10	3.0
MEAN		0.2	20.6	561	15.1	7.6	10	2.9

LAKE ISTOKPOGA HIGHLANDS COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	CHLORO- PHYLLO- PHYLLO- mg/m <sup>3</sup>	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	7.03	9	0	0	84	28.0	19.5	6.9	16.6	75	12.0	19.0
1/31/80	2	7.02	10	0	0	83	28.0	19.5	7.9	13.5	75	12.0	18.0
1/31/80	3	7.02	10	0	0	83	28.0	20.0	7.2	10.8	75	12.0	17.0
6/02/80	1	7.78	11	0	0	110	34.5	20.5	7.4	86.3	113	15.8	23.0
6/02/80	2	8.23	12	0	0	109	35.0	21.5	7.4	72.5	113	15.8	20.0
6/02/80	3	7.32	12	0	0	110	35.0	21.0	7.3	47.3	113	15.8	21.0
8/21/80	1	6.58	10	0	0	109	35.0	26.5	8.4	11.8	88	15.0	22.0
8/21/80	2	6.47	10	0	0	108	35.0	27.5	8.4	11.4	88	15.5	23.0
8/21/80	3	6.70	12	0	0	109	35.0	26.0	8.4	11.4	88	15.5	20.0
MEAN		6.89	11	0	0	101	32.6	22.4	7.7	31.3	92	14.4	20.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLLO- PHYLLO- mg/m <sup>3</sup>	SECCHI #
1/31/80	1	2.9	292.1	800	39.6	16.6	0.4
1/31/80	2	3.0	288.4	825	31.4	13.5	0.5
1/31/80	3	3.1	290.1	750	33.5	10.8	0.5
6/02/80	1	1.5	326.9	1590	45.9	86.3	0.3
6/02/80	2	1.5	290.7	1440	24.4	72.5	0.4
6/02/80	3	1.5	282.2	1380	36.5	47.3	0.4
8/21/80	1	3.5	219.4	747	65.5	11.8	0.6
8/21/80	2	3.1	224.9	654	67.2	11.4	0.6
8/21/80	3	3.3	231.8	761	58.7	11.4	0.6
MEAN		2.6	271.8	994	44.7	31.3	0.5

HIGHLANDS COUNTY

LAKE JACKSON

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	6.71	4	0	86	23.0	11.0	8.1	1.9	13.0	11.0
1/30/80	2	6.68	4	0	86	20.0	10.0	8.2	1.9	13.0	12.0
1/30/80	3	6.70	4	0	86	22.0	9.5	8.1	1.9	13.3	8.3
6/02/80	1	6.44	4	0	82	19.5	10.5	7.0	1.8	13.5	17.0
6/02/80	2	6.45	4	0	82	19.5	9.0	7.0	1.8	13.8	16.0
6/02/80	3	6.45	4	0	84	19.5	9.0	7.0	1.9	13.3	16.0
8/20/80	1	4.94	2	0	92	17.0	8.0	8.5	2.1	14.3	18.0
8/20/80	2	4.62	2	0	95	17.0	8.0	8.6	2.1	14.0	15.0
8/20/80	3	5.44	3	0	89	17.5	7.0	8.5	2.1	14.3	20.0
MEAN		5.34	3	0	87	19.4	9.1	7.9	1.9	13.6	14.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
1/30/80	1	0.7	22.7	308	15.1	3.7	5	2.5
1/30/80	2	0.7	25.5	328	15.1	3.9	5	2.5
1/30/80	3	0.8	19.7	358	17.1	3.3	5	2.4
6/02/80	1	0.9	17.0	259	13.5	1.2	5	2.6
6/02/80	2	0.9	15.9	216	12.9	1.5	5	2.6
6/02/80	3	0.9	16.5	223	15.4	1.6	10	2.4
8/20/80	1	1.4	23.9	259	13.5	2.3	5	3.2
8/20/80	2	1.4	15.1	244	13.5	2.4	5	3.3
8/20/80	3	1.4	14.7	244	12.4	3.1	5	3.3
MEAN		1.0	19.0	271	14.3	2.6	6	2.8

LAKE JACKSON LEON COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/20/79	1	6.64	9	0	0	34	10.5	7.5	2.6	0.3	3.3	0.0
10/20/79	2	6.65	8	0	0	32	10.0	7.0	2.6	0.3	3.5	0.0
10/20/79	3	6.60	6	0	0	27	7.5	4.5	2.5	0.2	3.3	2.9
3/19/80	1	6.42	4	0	0	24	6.5	4.0	2.5	0.3	3.3	2.6
3/19/80	2	6.44	4	0	0	24	6.0	3.5	2.5	0.4	3.3	2.6
3/19/80	3	6.53	5	0	0	23	6.5	4.0	2.5	0.3	3.3	0.0
7/07/80	1	6.58	4	0	0	24	7.0	3.5	0.9	0.2	3.5	6.8
7/07/80	2	6.40	4	0	0	24	6.5	3.5	1.0	0.2	3.3	10.8
7/07/80	3	6.41	5	0	0	24	6.5	3.5	0.9	0.3	3.3	10.8
MEAN		6.51	5	0	0	26	7.4	4.6	2.0	0.3	3.3	4.1

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/20/79	1	0.1	84.1	583	18.0	4.8	10	B
10/20/79	2	0.2	91.5	442	16.2	4.6	10	B
10/20/79	3	***	39.0	458	15.6	4.1	10	B
3/19/80	1	0.1	59.5	433	13.7	3.6	10	4.0
3/19/80	2	0.1	57.6	458	13.7	2.9	10	4.0
3/19/80	3	0.1	53.3	408	14.8	2.2	10	4.0
7/07/80	1	0.2	70.1	374	17.8	4.0	10	B
7/07/80	2	0.2	75.6	409	16.0	4.5	5	B
7/07/80	3	0.2	78.3	388	17.4	4.8	10	B
MEAN		0.2	67.7	439	15.9	3.9	9	4.0

LAKE JACKSON WALTON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	6.37	4	0	0	18	4.5	3.0	1.8	0.4	2.5	0.0
1/08/80	2	6.45	4	0	0	18	4.5	3.0	1.8	0.4	2.8	0.0
1/08/80	3	6.46	5	0	0	18	4.5	3.0	1.9	0.4	2.8	0.0
4/22/80	1	6.46	4	0	0	19	4.5	3.5	1.7	0.3	2.5	***
4/22/80	2	6.62	4	0	0	18	5.0	2.5	1.6	0.2	2.5	5.4
4/22/80	3	6.55	4	0	0	18	5.0	3.0	1.6	0.2	2.3	4.8
8/06/80	1	6.15	4	0	0	22	5.0	2.8	1.8	0.5	2.8	7.8
8/06/80	2	6.20	4	0	0	22	5.1	2.9	2.3	0.6	2.8	9.8
8/06/80	3	6.32	4	0	0	22	5.1	2.7	2.1	0.5	2.8	8.6
MEAN		6.37	4	0	0	19	4.8	2.9	1.8	0.4	2.6	4.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/08/80	1	0.4	166.9	417	18.4	4.0	10	3.3
1/08/80	2	0.4	164.2	408	15.9	3.0	10	3.3
1/08/80	3	0.4	165.2	417	15.4	4.6	10	3.2
4/22/80	1	0.1	105.6	367	21.5	2.2	15	1.7
4/22/80	2	0.1	104.7	300	18.1	2.0	15	1.8
4/22/80	3	0.1	104.7	292	12.7	1.7	15	1.8
8/06/80	1	0.2	81.1	388	6.5	2.1	5	3.0
8/06/80	2	0.2	98.6	316	7.5	2.6	5	3.3
8/06/80	3	0.3	87.5	323	7.7	2.6	5	3.3
MEAN		0.2	119.8	359	13.7	2.8	10	2.7

ORANGE COUNTY

LAKE JESSAMINE

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	7.61	44	0	180	64.0	43.5	14.0	3.7	10	20.3	18.0
12/20/79	2	7.57	44	0	175	64.5	43.0	15.0	3.3	10	20.5	20.0
12/20/79	3	7.57	43	0	180	64.5	43.0	15.0	3.4	10	20.3	15.0
4/10/80	1	7.75	45	0	190	66.0	44.0	14.0	4.4	0	21.0	20.0
4/10/80	2	7.73	44	0	190	66.0	44.0	14.0	4.4	0	21.0	19.0
4/10/80	3	7.77	44	0	190	66.0	44.0	15.0	4.4	0	21.0	19.0
7/30/80	1	8.13	43	0	185	63.0	42.0	13.0	3.4	5	20.3	18.9
7/30/80	2	8.27	43	0	185	64.0	41.0	13.0	3.6	5	20.5	17.4
7/30/80	3	8.12	43	0	185	63.0	41.5	13.0	3.4	5	20.3	12.5
MEAN		7.77	44	0	184	64.6	42.9	14.0	3.8	5	20.6	17.8

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DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/20/79	1	0.1	16.9	633	28.5	5.5	10	3.0
12/20/79	2	0.1	16.9	600	27.4	5.9	10	3.2
12/20/79	3	0.1	16.9	616	25.8	5.7	10	3.2
4/10/80	1	0.1	18.5	691	10.2	2.7	0	4.1
4/10/80	2	0.1	20.4	766	8.2	2.9	0	4.5
4/10/80	3	0.1	21.5	566	10.2	2.9	0	4.5
7/30/80	1	0.5	16.2	458	11.7	6.1	5	2.8
7/30/80	2	0.4	14.7	733	11.1	6.0	5	2.8
7/30/80	3	0.4	17.3	442	12.2	6.2	5	2.7
MEAN		0.2	17.7	612	16.1	4.9	5	3.4

LAKE JESSUP SEMINOLE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/29/79	1	8.12	78	0	570	138.5	87.5	71	5.6	134	39.0	
11/29/79	2	8.00	76	0	550	135.5	88.0	60	5.5	125	38.0	
11/29/79	3	7.79	75	0	540	133.0	86.5	67	5.3	122	38.0	
3/12/80	1	8.99	89	0	780	168.5	103.5	100	6.5	183	52.0	
3/12/80	2	8.94	87	0	740	167.0	112.0	100	6.5	182	49.0	
3/12/80	3	8.95	87	0	800	168.0	109.5	100	6.4	182	43.0	
7/29/80	1	9.55	58	18	840	162.0	108.0	135	9.0	240	50.7	
7/29/80	2	9.50	58	17	840	162.0	108.0	136	9.5	240	58.6	
7/29/80	3	9.47	41	17	840	164.0	108.0	137	9.5	235	54.3	
MEAN		8.37	72	6	722	155.4	101.2	101	7.1	183	47.0	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/29/79	1	0.0	65.3	1370	362.5	53.7	50	0.6
11/29/79	2	0.1	66.4	1280	332.1	59.1	50	0.6
11/29/79	3	0.1	65.8	1370	342.2	58.4	50	0.6
3/12/80	1	0.0	172.4	1110	270.4	97.4	50	0.3
3/12/80	2	0.0	166.7	725	304.6	100.6	50	0.3
3/12/80	3	0.0	192.7	1160	304.6	106.9	50	0.2
7/29/80	1	8.7	265.2	6440	367.3	303.9	40	0.1
7/29/80	2	13.7	246.8	5570	542.5	282.5	40	0.1
7/29/80	3	15.0	264.1	6250	294.4	346.2	35	0.1
MEAN		4.2	167.3	2808	346.7	156.5	46	0.3

LAKE/ORANGE COUNTY

JOHNS LAKE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/19/79	1	6.56	5	0	195	55.0	15.5	14.0	11.0	28.3	59.0	
12/19/79	2	6.61	4	0	193	55.0	14.5	14.0	11.0	27.8	56.0	
12/19/79	3	6.56	4	0	195	56.0	14.5	14.0	11.0	27.8	48.0	
4/10/80	1	6.45	5	0	210	59.0	17.0	15.0	11.5	29.8	57.0	
4/10/80	2	6.47	5	0	210	59.5	16.0	15.0	11.6	30.0	56.0	
4/10/80	3	6.72	7	0	210	59.0	16.0	15.0	11.7	29.5	56.0	
7/30/80	1	6.35	4	0	225	59.0	16.5	13.0	12.0	31.0	53.5	
7/30/80	2	6.52	5	0	225	60.0	16.0	13.0	12.0	31.5	50.0	
7/30/80	3	6.36	4	0	225	59.0	15.5	13.0	12.0	30.8	37.5	
MEAN		6.50	5	0	210	57.9	15.7	14.0	11.5	29.6	52.6	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
12/19/79	1	0.4	32.3	558	31.5	6.7	15	1.1
12/19/79	2	0.4	30.4	558	29.9	5.6	15	1.1
12/19/79	3	0.4	26.5	517	10.0	5.6	15	1.2
4/10/80	1	0.1	50.4	800	38.2	5.8	20	0.9
4/10/80	2	0.1	52.7	508	****	6.4	25	0.9
4/10/80	3	0.2	72.3	533	28.6	8.3	30	0.9
7/30/80	1	0.5	52.8	524	23.1	7.6	15	1.1
7/30/80	2	0.3	65.7	632	29.1	9.5	15	1.1
7/30/80	3	0.3	57.3	582	25.5	9.0	15	1.1
MEAN		0.3	48.9	579	27.0	7.2	18	1.0

LAKE JOSEPHINE HIGHLANDS COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	5.86	3	0	75	23.0	14.0	6.5	1.2	10.3	19.0
1/31/80	2	5.86	3	0	75	23.0	13.5	6.4	1.2	10.3	22.0
1/31/80	3	5.88	3	0	75	23.0	13.5	6.5	1.2	10.5	15.0
6/02/80	1	5.64	3	0	86	25.0	13.0	6.0	0.9	11.0	23.0
6/02/80	2	5.61	3	0	86	25.5	13.0	6.0	0.9	11.0	25.0
6/02/80	3	5.61	2	0	86	25.5	13.0	6.0	0.9	11.0	22.0
8/21/80	1	5.41	2	0	89	22.0	12.5	7.0	1.1	11.3	21.0
8/21/80	2	5.41	2	0	88	23.0	13.0	7.0	1.1	11.3	18.0
8/21/80	3	5.25	2	0	88	23.0	13.0	7.0	1.1	11.0	21.0
MEAN		5.60	3	0	83	23.7	13.2	6.5	1.1	10.9	20.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL $\mu$ m <sup>3</sup>	COLOR mg/l Pt	SECCHI $\mu$ m
1/31/80	1	1.8	147.9	575	23.3	12.4	70	0.6
1/31/80	2	1.8	138.6	608	23.3	12.5	70	0.6
1/31/80	3	1.8	140.3	591	23.3	12.4	70	0.6
6/02/80	1	1.0	140.0	496	28.8	6.2	45	0.8
6/02/80	2	0.9	146.1	560	35.9	6.8	45	0.8
6/02/80	3	1.0	143.2	481	28.6	7.7	45	0.6
8/21/80	1	1.4	84.4	424	20.3	10.2	40	1.0
8/21/80	2	1.3	84.8	481	16.8	11.1	40	1.0
8/21/80	3	1.2	77.5	445	15.5	18.1	40	1.0
MEAN		1.3	122.5	518	24.0	10.8	52	0.8

JUNIPER BAY WALTON COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/06/79	1	5.71	2	0	12	2.0	1.5	1.8	0.2	2.0	0.0	0.0
12/06/79	2	5.70	2	0	12	2.0	1.5	1.8	0.2	1.8	0.0	0.0
12/06/79	3	5.68	2	0	12	2.0	1.5	1.9	0.2	2.0	0.0	0.0
4/22/80	1	5.31	1	0	13	2.5	1.0	1.7	0.2	2.0	4.4	4.7
4/22/80	2	5.31	1	0	13	2.5	1.0	1.7	0.2	2.0	4.6	4.6
4/22/80	3	5.28	1	0	13	2.5	1.0	1.5	0.2	2.3	10.1	10.1
8/06/80	1	5.80	3	0	12	1.8	1.0	1.9	0.2	2.3	10.2	10.2
8/06/80	2	5.63	2	0	13	1.9	1.0	2.1	0.2	2.0	7.8	7.8
8/06/80	3	5.48	2	0	13	2.0	0.9	2.0	0.2	2.5	4.6	4.6
MEAN		5.47	2	0	13	2.1	1.2	1.8	0.2	2.1	4.6	4.6

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DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/06/79	1	0.5	130.0	450	21.1	9.1	20	1.9
12/06/79	2	0.5	125.0	442	26.7	10.2	20	1.8
12/06/79	3	0.5	127.8	400	22.2	9.1	20	1.8
4/22/80	1	0.1	1928.9	350	17.2	***	20	2.0
4/22/80	2	0.2	1954.4	367	21.3	5.5	20	2.0
4/22/80	3	0.2	1928.9	333	16.8	***	20	2.0
8/06/80	1	0.0	195.2	345	19.1	7.5	10	3.2
8/06/80	2	0.1	212.2	424	17.0	7.1	10	3.3
8/06/80	3	0.1	222.4	381	16.2	4.1	10	3.3
MEAN		0.2	758.3	388	19.7	7.5	17	2.4

KARICK LAKE OKALOOSA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	5.62	2	0	14	3.0	1.5	1.8	0.1	2.5	3.1	
1/08/80	2	5.64	2	0	14	3.0	1.5	1.8	0.1	2.5	3.0	
1/08/80	3	5.68	2	0	13	3.0	1.5	1.7	0.1	2.8	2.8	
4/23/80	1	6.34	5	0	19	5.5	2.5	1.9	0.2	2.3	5.6	
4/23/80	2	6.37	5	0	19	5.5	2.0	1.8	0.2	2.3	6.7	
4/23/80	3	6.37	5	0	20	5.5	10.0	1.9	0.5	3.0	11.0	
8/06/80	1	6.59	21	0	50	21.0	10.0	2.2	0.5	3.0	10.1	
8/06/80	2	6.68	20	0	50	21.0	10.0	2.3	0.5	3.0	10.1	
8/06/80	3	6.65	21	0	50	21.5	10.0	2.3	0.5	3.0	9.9	
MEAN		6.01	9	0	28	10.0	4.6	2.0	0.3	2.6	6.5	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/08/80	1	1.1	376.9	358.0	19.3	3.0	25	3.5
1/08/80	2	1.1	383.5	358.0	15.7	2.6	25	3.5
1/08/80	3	1.1	385.9	375.0	16.4	2.8	20	3.5
4/23/80	1	1.6	574.8	108.0	10.1	4.1	25	3.0
4/23/80	2	1.6	583.3	158.0	38.2	***	20	3.0
4/23/80	3	1.6	581.1	66.6	46.3	3.8	25	3.0
8/06/80	1	0.4	294.7	230.0	7.1	4.3	10	2.2
8/06/80	2	0.4	334.5	251.0	6.3	4.7	15	2.2
8/06/80	3	0.4	323.6	251.0	11.3	4.7	15	2.1
MEAN		1.0	426.5	239.5	19.0	3.8	20	2.9

LAKE KERR MARION COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
9/15/79	1	6.06	2	0	108	23.5	14.5	10.0	0.5	17.4	5	17.0	
9/15/79	2	6.08	2	0	108	23.5	14.0	11.0	0.5	17.3	5	16.0	
9/15/79	3	6.07	2	0	108	23.0	14.3	10.0	0.5	17.5	10	13.0	
3/06/80	1	6.13	2	0	104	23.0	21.0	11.0	0.3	17.0	5	15.0	
3/06/80	2	6.10	2	0	104	22.5	22.0	11.0	0.3	17.0	5	15.0	
3/06/80	3	6.10	4	0	102	22.5	21.5	11.0	0.3	16.8	5	16.0	
7/16/80	1	6.13	3	0	104	23.0	14.0	10.0	0.5	17.8	5	22.1	
7/16/80	2	6.06	3	0	102	22.5	13.5	10.0	0.4	17.8	5	22.7	
7/16/80	3	6.03	3	0	102	22.5	13.5	10.0	0.4	17.3	5	22.4	
MEAN		6.08	3	0	105	22.9	16.5	10.4	0.4	17.3		17.7	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/15/79	1	0.5	23.4	238	6.3	1.5	5	4.4
9/15/79	2	0.5	21.0	246	6.3	1.5	5	4.4
9/15/79	3	0.5	25.5	211	6.7	1.4	10	4.5
3/06/80	1	0.8	25.8	233	26.8	1.0	5	3.0
3/06/80	2	0.8	27.5	217	21.4	1.6	5	3.0
3/06/80	3	0.8	27.5	***	20.5	2.8	5	3.1
7/16/80	1	1.1	17.7	237	9.4	1.4	30	2.5
7/16/80	2	1.0	31.6	208	10.4	1.1	35	2.5
7/16/80	3	1.0	18.3	180	9.6	1.2	35	2.5
MEAN		0.8	24.3	221	13.0	1.5	15	3.3

KINGSLEY LAKE CLAY COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	7.09	10	0	57	16.0	15.5	5.4	0.3	7.0	5.5
9/08/79	2	7.09	10	0	57	15.5	15.5	5.6	0.3	7.0	5.5
9/08/79	3	7.12	10	0	57	15.5	14.0	5.4	0.3	6.8	5.6
2/27/80	1	7.13	8	0	50	15.0	12.0	4.9	0.1	6.8	5.8
2/27/80	2	7.12	9	0	50	15.5	12.0	4.9	0.1	6.8	5.2
2/27/80	3	7.16	9	0	50	15.5	12.0	5.0	0.1	6.8	5.2
6/30/80	1	6.86	10	0	54	15.0	11.5	4.5	0.2	7.3	12.2
6/30/80	2	6.81	11	0	54	15.0	11.5	4.3	0.3	7.3	12.2
6/30/80	3	6.98	9	0	54	15.5	11.0	4.6	0.2	7.3	12.2
MEAN		7.02	10	0	54	15.3	12.8	5.0	0.2	7.0	7.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/08/79	1	0.5	35.5	299	0.5	1.5	5	4.5
9/08/79	2	0.5	38.5	234	0.9	1.4	5	4.5
9/08/79	3	0.5	38.9	255	0.7	1.4	5	4.4
2/27/80	1	0.7	22.6	375	23.1	1.7	5	4.9
2/27/80	2	0.7	20.0	325	23.1	1.7	5	4.9
2/27/80	3	0.7	22.6	317	20.9	1.7	5	5.0
6/30/80	1	0.5	50.8	208	10.0	2.7	10	3.1
6/30/80	2	0.4	48.5	225	9.0	2.8	5	3.2
6/30/80	3	0.5	53.5	167	10.2	2.7	10	3.2
MEAN		0.5	36.8	278	10.9	2.0	6	4.2

OSCEOLA COUNTY

LAKE KISSIMMEE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.51	22	0	112	36.5	25.5	10.0	1.5	15.8	8.7
1/30/80	2	7.43	23	0	110	37.5	25.0	10.0	1.5	16.0	11.0
1/30/80	3	7.51	22	0	108	37.0	25.0	10.0	1.6	15.8	6.6
6/02/80	1	8.73	24	1	126	39.5	28.5	10.0	1.7	12.3	14.0
6/02/80	2	8.53	23	1	122	39.5	29.0	10.0	1.7	12.3	13.0
6/02/80	3	8.71	23	1	124	40.0	28.5	10.0	1.7	12.0	15.0
8/20/80	1	9.32	22	3	120	35.0	26.0	11.0	1.7	17.3	11.0
8/20/80	2	9.31	20	3	122	35.0	27.0	11.0	1.7	17.5	15.0
8/20/80	3	9.33	22	3	122	35.0	27.0	11.0	1.6	17.5	11.0
MEAN		7.92	22	1	118	37.2	26.8	10.3	1.6	15.2	11.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI m
1/30/80	1	1.4	254.7	950	41.7	13.6	75	0.9
1/30/80	2	1.3	248.3	1120	27.3	12.7	75	0.9
1/30/80	3	1.3	257.5	1070	27.3	13.9	75	0.8
6/02/80	1	1.4	204.7	1470	45.7	33.7	50	0.6
6/02/80	2	1.4	213.3	1510	49.3	32.9	50	0.6
6/02/80	3	1.4	225.7	1400	47.8	36.8	50	0.6
8/20/80	1	2.2	213.0	1480	53.1	41.3	30	0.5
8/20/80	2	2.2	214.9	1210	44.2	38.5	35	0.5
8/20/80	3	2.2	216.6	1270	39.2	39.6	35	0.5
MEAN		1.6	227.6	1276	41.7	29.2	53	0.7

LAWNE LAKE ORANGE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	7.60	57	0	200	90.0	73.0	12.0	4.7	14.3	24.0
12/20/79	2	7.56	56	0	195	89.0	72.5	12.0	4.6	14.3	26.0
12/20/79	3	7.62	54	0	210	88.0	72.5	12.0	4.6	14.0	26.0
4/09/80	1	7.54	59	0	225	87.5	71.0	12.0	4.3	14.5	30.0
4/09/80	2	7.55	59	0	235	87.0	71.5	12.0	4.3	14.3	28.0
4/09/80	3	7.53	60	0	230	88.0	71.0	12.0	4.3	14.3	32.0
7/29/80	1	7.61	60	0	190	78.5	63.5	10.0	2.5	14.3	25.7
7/29/80	2	7.62	62	0	188	78.0	65.0	10.0	2.5	14.0	26.3
7/29/80	3	7.46	62	0	188	78.5	64.0	10.0	2.6	14.0	22.3
MEAN		7.56	59	0	207	84.9	69.3	11.3	3.8	14.2	26.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/1 Pt	SECCHI #
12/20/79	1	1.0	161.6	1849	198.2	26.7	75	0.8
12/20/79	2	1.0	171.6	1325	203.8	17.2	75	0.8
12/02/79	3	1.0	165.2	1316	194.6	24.1	75	0.8
4/09/80	1	0.8	163.0	950	135.7	15.5	70	0.9
4/09/80	2	0.8	140.6	975	124.5	16.4	70	0.9
4/09/80	3	0.8	164.2	950	133.6	16.7	70	0.9
7/29/80	1	0.8	89.4	998	192.0	15.8	40	0.9
7/29/80	2	0.7	74.7	1006	180.8	16.4	40	1.0
7/29/80	3	1.0	74.7	475	183.0	16.3	40	1.0
MEAN		0.9	133.9	1094	171.8	18.3	62	0.9

LAKE LINDSEY HERNANDO COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/15/80	1	6.12	5	0	0	57	12.0	8.0	5.1	1.9	40	10.3	5.1
1/15/80	2	6.14	5	0	0	56	12.5	8.0	5.5	1.8	40	10.3	7.2
1/15/80	3	6.13	5	0	0	56	12.0	7.5	5.0	1.9	40	10.3	6.0
5/13/80	1	5.93	3	0	0	64	15.0	11.5	5.3	2.1	40	11.8	4.9
5/13/80	2	5.98	3	0	0	63	15.0	11.0	5.2	2.0	40	11.8	5.6
5/13/80	3	5.93	4	0	0	63	15.0	10.8	5.2	2.2	40	11.5	6.1
8/04/80	1	6.10	4	0	0	58	14.0	10.0	7.0	2.1	40	12.3	4.5
8/04/80	2	6.03	5	0	0	58	13.5	10.0	7.1	2.1	40	12.3	4.7
8/04/80	3	6.07	5	0	0	58	14.0	10.0	6.2	2.1	40	12.3	7.6
MEAN		6.04	4	0	0	59	13.7	9.6	5.7	2.0	44	11.4	5.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/15/80	1	0.0	51.4	2250	36.0	40.8	40	1.1
1/15/80	2	0.0	55.5	2270	40.3	38.7	40	1.2
1/15/80	3	0.0	53.6	2210	38.7	47.8	40	1.2
5/13/80	1	0.1	123.3	1700	35.5	19.6	40	0.7
5/13/80	2	0.1	123.6	1620	29.3	17.0	40	0.7
5/13/80	3	0.1	111.9	1660	41.8	15.9	45	0.7
8/04/80	1	0.0	184.3	2700	44.9	54.5	50	0.6
8/04/80	2	0.1	73.6	2710	56.9	58.0	50	0.6
8/40/80	3	0.0	67.8	2680	50.0	64.0	50	0.6
MEAN		0.1	93.9	2200	41.5	39.6	44	0.8

POLK COUNTY

LITTLE CROOKED LAKE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	5.49	2	0	72	16.5	7.0	7.3	1.2	13.3	6.2	
1/17/80	2	5.50	2	0	73	17.0	7.0	8.0	1.4	13.3	8.8	
1/17/80	3	5.50	2	0	73	17.0	7.0	7.3	1.3	13.3	8.4	
5/14/80	1	5.44	1	0	84	19.5	9.0	8.9	1.3	16.0	14.0	
5/14/80	2	5.41	1	0	84	19.0	9.0	8.5	1.3	16.0	14.0	
5/14/80	3	5.67	3	0	84	19.0	9.0	8.6	1.3	16.3	13.0	
8/05/80	1	5.15	1	0	90	19.5	9.5	11.0	1.7	18.5	23.7	
8/05/80	2	5.38	2	0	90	20.0	10.0	11.0	1.6	18.8	22.3	
8/05/80	3	5.37	2	0	90	19.5	10.0	11.0	1.7	18.5	21.9	
MEAN		5.41	2	0	82	18.6	8.6	9.1	1.4	16.0	14.7	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	1.0	342.5	1100	60.3	7.2	125	0.3
1/17/80	2	0.9	342.9	1200	38.9	***	60	0.3
1/17/80	3	0.9	338.2	1150	49.1	7.5	125	0.3
5/14/80	1	0.7	646.7	933	47.6	7.6	200	0.1
5/14/80	2	0.7	644.5	866	53.7	7.2	200	0.2
5/14/80	3	0.6	536.6	970	28.4	14.5	175	0.2
8/05/80	1	0.4	360.4	1040	71.1	16.6	120	0.4
8/05/80	2	0.3	334.9	1030	68.3	19.2	120	0.5
8/05/80	3	0.3	365.5	998	71.3	15.4	120	0.5
MEAN		0.6	434.7	1032	54.3	11.9	138	0.3

HIGHLANDS COUNTY

LITTLE RED WATER LAKE

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	HARDNESS mg/l CaCO <sub>3</sub>	POTASSIUM mg/l	COLOR mg/l Pt	CHLORO- PHYLL mg/m <sup>3</sup>	SECCHI #	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	5.79	2	0	46	11.5	5.5	5.5	5.7	5.5	0.6	30	14.8	0.5	8.3	7.4
1/30/80	2	5.67	1	0	47	11.0	5.5	5.5	5.2	5.5	0.7	30	16.6	0.5	8.3	6.4
1/30/80	3	5.79	2	0	46	11.5	6.0	6.0	5.2	6.0	0.7	30	16.7	0.5	8.5	5.2
6/02/80	1	5.73	2	0	52	12.0	8.0	8.0	4.4	8.0	0.6	40	11.6	0.7	8.5	12.0
6/02/80	2	5.72	2	0	50	12.0	6.5	6.5	4.5	6.5	0.6	40	13.6	0.7	8.8	10.0
6/02/80	3	5.62	3	0	52	12.0	7.5	7.5	4.4	7.5	0.6	40	11.9	0.5	8.8	12.0
8/20/80	1	5.96	2	0	54	11.0	7.5	7.5	5.4	7.5	0.8	15	24.2	0.9	9.0	9.9
8/20/80	2	5.90	2	0	52	11.0	8.0	8.0	5.3	8.0	0.8	15	17.5	0.9	9.3	11.0
8/20/80	3	5.90	2	0	50	11.0	7.0	7.0	5.2	7.0	0.8	15	20.2	0.9	9.0	10.0
MEAN		5.77	2	0	50	11.4	6.8	6.8	5.0	6.8	0.7	28	16.3	0.7	8.7	9.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/30/80	1	0.4	152.4	500	31.4	14.8	30	0.5
1/30/80	2	0.4	142.8	550	29.4	16.6	30	0.5
1/30/80	3	0.5	134.8	483	21.2	16.7	30	0.5
6/02/80	1	0.2	181.1	438	36.7	11.6	40	0.7
6/02/80	2	0.3	218.1	409	50.1	13.6	40	0.7
6/02/80	3	0.3	221.6	431	52.2	11.9	40	0.5
8/20/80	1	0.6	136.1	524	30.7	24.2	15	0.9
8/20/80	2	0.5	111.3	481	31.1	17.5	15	0.9
8/20/80	3	0.6	109.4	453	23.0	20.2	15	0.9
MEAN		0.4	156.4	474	34.0	16.3	28	0.7

LOCHLOOSA LAKE ALACHUA COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/05/79	1	7.45	25	0	76	32.0	24.0	5.6	0.4	8.8	0.0
9/05/79	2	7.39	25	0	75	32.0	23.0	5.6	0.4	8.5	0.0
9/05/79	3	7.38	25	0	76	32.0	23.0	5.6	0.4	8.8	0.0
2/26/80	1	7.34	21	0	71	30.5	22.0	5.6	0.2	8.5	5.3
2/26/80	2	7.30	21	0	71	30.0	22.5	5.7	0.2	8.5	5.4
2/26/80	3	7.36	21	0	71	30.0	23.0	5.7	0.1	8.5	3.8
6/30/80	1	7.35	22	0	84	31.5	25.0	6.1	0.2	9.3	6.5
6/30/80	2	7.35	23	0	84	32.0	23.0	5.4	0.2	9.3	7.9
6/30/80	3	7.40	24	0	84	31.5	23.5	5.5	0.2	9.0	7.2
MEAN		7.37	23	0	77	31.3	23.2	5.6	0.3	8.8	4.0

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/05/79	1	***	197.7	1200	45.3	30.5	60	0.8
9/05/79	2	0.2	210.9	1340	50.2	44.9	50	0.8
9/05/79	3	***	198.3	1210	42.5	40.6	60	0.7
2/26/80	1	0.3	349.7	1280	58.7	25.4	80	0.5
2/26/80	2	0.3	372.7	1500	35.3	26.9	80	0.5
2/26/80	3	0.3	364.1	1310	31.8	24.7	80	0.5
6/30/80	1	0.3	126.6	941	27.7	30.4	45	1.0
6/30/80	2	0.4	134.5	875	18.1	32.0	45	1.0
6/30/80	3	0.3	195.1	1080	18.1	32.8	50	0.8
MEAN		0.3	238.8	1193	36.4	32.0	61	0.7

HIGHLANDS COUNTY

LAKE LOTELA

DATE	SAMPLE	PH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.15	14	0	89	29.0	4.5	7.7	2.0	11.5	14.0	
1/30/80	2	7.15	14	0	90	29.0	4.0	7.7	1.9	11.3	12.0	
1/30/80	3	7.12	14	0	88	28.5	3.5	8.4	1.8	11.5	9.9	
6/02/80	1	7.58	15	0	110	32.5	7.5	6.9	2.1	11.5	15.0	
6/02/80	2	7.46	14	0	104	29.5	5.0	6.8	2.2	12.0	17.0	
6/02/80	3	7.48	14	0	106	29.5	5.0	6.9	2.2	12.0	18.0	
8/20/80	1	7.09	15	0	97	30.0	5.0	7.5	2.2	11.8	20.0	
8/20/80	2	7.50	15	0	96	30.0	5.0	7.7	2.2	12.0	18.0	
8/20/80	3	7.53	14	0	89	30.0	4.0	7.8	2.2	12.0	16.0	
MEAN		7.30	14	0	97	29.8	4.8	7.5	2.1	11.7	15.5	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
1/30/80	1	0.9	24.4	408	21.2	1.8	5	3.4
1/30/80	2	0.9	20.6	467	21.2	1.3	5	3.5
1/30/80	3	0.9	20.6	408	17.1	1.0	5	3.5
6/02/80	1	1.2	24.2	323	20.0	3.9	10	2.1
6/02/80	2	0.8	17.8	352	17.1	4.8	5	2.1
6/02/80	3	0.8	18.3	330	16.7	4.1	5	2.0
8/20/80	1	1.2	26.9	216	11.2	2.0	5	2.4
8/20/80	2	1.8	21.1	259	13.5	2.0	5	2.4
8/20/80	3	1.7	31.4	244	13.3	1.8	5	2.4
MEAN		1.1	22.8	334	16.8	2.5	6	2.6

LAKE LOUISA LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	4.90	2	0	0	69	18.0	7.5	6.8	0.6	13.0	0.0
11/06/79	2	4.90	2	0	0	70	17.5	8.0	7.1	0.6	13.0	0.0
11/06/79	3	4.91	2	0	0	70	17.5	8.0	7.0	0.6	12.5	0.0
3/27/80	1	4.79	1	0	0	68	17.5	8.0	8.0	0.9	14.0	0.0
3/27/80	2	4.82	2	0	0	69	17.5	7.5	8.0	0.9	13.8	3.7
3/27/80	3	4.81	2	0	0	70	18.0	7.5	8.0	0.8	13.8	3.2
7/21/80	1	4.99	2	0	0	70	19.5	9.0	6.2	0.8	14.5	15.7
7/21/80	2	4.94	2	0	0	70	19.0	9.5	6.2	0.8	15.0	13.8
7/21/80	3	5.04	2	0	0	70	19.5	9.5	6.3	0.8	15.0	14.9
MEAN		4.89	2	0	0	70	18.2	8.3	7.1	0.8	13.8	5.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	2.8	595.9	502	7.1	2.0	250	0.6
11/06/79	2	2.8	589.1	863	5.7	2.1	250	0.6
11/06/79	3	2.7	595.9	502	5.5	2.1	250	0.6
3/27/80	1	0.0	544.6	958	4.8	2.9	225	0.7
3/27/80	2	0.1	539.0	975	3.7	2.9	225	0.7
3/27/80	3	0.0	541.2	891	3.5	2.7	225	0.7
7/21/80	1	0.7	531.1	1040	16.4	2.8	200	0.7
7/21/80	2	0.6	529.4	1060	16.4	2.6	225	0.8
7/21/80	3	0.6	541.3	1060	17.3	3.0	225	0.8
MEAN		1.1	556.4	872	8.9	2.6	231	0.7

SUWANNEE COUNTY

LAKE LOUISE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/22/79	1	6.40	5	0	0	45	11.5	9.5	4.3	0.3	7.3	0.0
10/22/79	2	6.42	5	0	0	45	11.5	10.0	4.3	0.3	7.5	0.0
10/22/79	3	6.25	5	0	0	45	12.0	10.0	4.3	0.3	7.5	0.0
2/28/80	1	6.35	4	0	0	41	11.5	7.5	4.6	0.1	8.3	4.1
2/28/80	2	6.33	5	0	0	40	12.0	7.5	4.7	0.1	8.3	7.2
2/28/80	3	6.35	4	0	0	41	11.5	7.0	4.6	0.1	8.3	5.3
7/07/80	1	6.61	6	0	0	52	12.5	10.0	3.5	0.3	7.5	6.7
7/07/80	2	6.60	6	0	0	53	12.0	9.0	3.4	0.3	7.8	9.5
7/07/80	3	6.60	5	0	0	52	12.5	8.5	3.6	0.3	8.0	6.8
MEAN		6.42	5	0	0	46	11.9	8.8	4.1	0.2	7.8	4.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/22/79	1	0.1	70.3	660	18.0	8.0	40	1.9
10/22/79	2	0.1	71.4	739	17.0	9.5	40	1.9
10/22/79	3	0.1	71.5	713	16.8	8.2	40	1.9
2/28/80	1	0.1	63.5	733	33.3	4.1	35	2.0
2/28/80	2	0.1	64.1	500	31.6	3.9	35	2.0
2/28/80	3	0.1	70.2	566	29.4	4.4	35	1.9
7/07/80	1	0.3	103.2	467	20.5	6.4	50	1.7
7/07/80	2	0.3	100.2	661	20.7	7.2	50	1.7
7/07/80	3	0.3	95.4	646	18.9	6.6	50	1.6
MEAN		0.2	78.9	632	22.9	6.5	42	1.8

LAKE LOWERY POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	6.05	5	0	108	20.5	12.0	13.0	3.3	24.0	7.6
1/17/80	2	6.10	4	0	108	20.5	12.0	13.0	3.1	23.8	7.6
1/17/80	3	6.11	5	0	108	20.5	12.0	13.0	3.1	24.0	7.6
5/14/80	1	6.24	5	0	110	20.8	13.5	13.0	3.1	25.8	10.0
5/14/80	2	6.22	5	0	110	20.5	12.5	13.0	3.0	25.5	9.4
5/14/80	3	6.23	5	0	110	20.5	13.5	13.0	3.0	25.5	11.0
8/05/80	1	6.50	4	0	103	19.5	14.5	15.0	2.9	25.8	16.6
8/05/80	2	6.49	5	0	102	19.5	13.5	14.0	2.9	25.5	14.2
8/05/80	3	6.52	5	0	102	19.5	15.0	15.0	2.8	25.5	13.6
MEAN		6.24	5	0	107	20.2	13.2	13.6	3.0	25.0	10.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	0.5	74.6	1280	22.4	9.1	70	1.4
1/17/80	2	0.5	74.9	1320	31.9	8.8	70	1.5
1/17/80	3	0.5	75.3	1270	29.9	8.5	70	1.5
5/14/80	1	0.3	89.7	808	21.1	7.2	90	1.2
5/14/80	2	0.3	78.0	808	19.1	7.0	90	1.2
5/14/80	3	0.3	120.3	875	18.0	6.2	80	1.2
8/05/80	1	0.2	87.3	1220	18.9	14.7	80	1.4
8/05/80	2	0.2	83.0	1190	19.8	16.1	80	1.4
8/05/80	3	0.2	81.3	1150	19.6	15.9	80	1.4
MEAN		0.3	84.9	1102	22.3	10.4	79	1.4

CLAY COUNTY

LOWRY LAKE

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/05/79	1	5.06	1	0	23	3.0	1.0	2.6	0.1	4.5	3.6	
9/05/79	2	5.07	1	0	23	3.0	1.0	2.8	0.1	4.3	3.5	
9/05/79	3	5.06	1	0	23	3.0	1.0	2.9	0.2	4.3	3.5	
2/27/80	1	5.04	1	0	23	3.0	1.5	3.1	0.1	4.0	3.7	
2/27/80	2	5.02	1	0	23	3.5	1.0	3.2	0.1	4.0	4.0	
2/27/80	3	5.05	1	0	23	4.0	1.0	3.5	0.0	4.0	3.9	
6/30/80	1	5.12	2	0	23	3.5	1.5	2.3	0.1	4.5	6.8	
6/30/80	2	5.08	2	0	24	3.5	1.0	1.9	0.1	4.5	8.5	
6/30/80	3	5.05	1	0	23	3.5	1.0	2.1	0.1	4.5	8.1	
MEAN		5.06	1	0	23	3.3	1.1	2.7	0.1	4.3	5.1	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/05/79	1	1.1	18.5	26.4	4.4	4.5	5	3.9
9/05/79	2	0.8	17.4	88.0	3.5	4.1	0	3.9
9/05/79	3	0.8	15.1	114.0	1.2	2.4	5	3.9
2/27/80	1	2.3	24.3	100.0	27.7	1.3	0	2.6
2/27/80	2	2.4	17.4	100.0	24.2	1.2	0	2.6
2/27/80	3	2.3	19.6	133.0	27.9	1.1	0	2.7
6/30/80	1	2.3	13.9	133.0	11.5	1.3	0	5.0
6/30/80	2	2.3	10.4	58.3	8.4	1.5	0	5.0
6/30/80	3	2.2	10.8	66.6	8.4	1.0	0	5.0
MEAN		1.8	16.4	91.0	13.0	2.0	1	3.8

LAKE MAGGIORE PINELLAS COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	8.49	117	2	840	277	209	100	7.6	219	102	
1/16/80	2	8.45	118	2	820	277	209	99	7.5	218	96	
1/16/80	3	8.47	118	2	820	275	209	100	7.6	217	88	
5/13/80	1	8.39	126	0	1020	240	220	119	7.9	245	97	
5/13/80	2	8.46	127	2	1020	239	218	116	7.9	245	98	
5/13/80	3	8.46	127	2	1050	284	220	115	7.9	245	96	
8/04/80	1	8.85	85	9	1160	314	218	183	11.0	363	137	
8/04/80	2	8.79	86	8	1160	318	218	190	12.0	360	129	
8/04/80	3	8.85	85	9	1180	316	218	187	12.0	365	118	
MEAN		8.55	110	4	1008	282	215	134	9.0	275	107	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/16/80	1	12.9	114.1	2750	91.0	107.2	30	0.3
1/16/80	2	12.1	135.9	2730	98.0	106.6	30	0.3
1/16/80	3	13.3	121.4	2690	103.4	95.6	30	0.3
5/13/80	1	12.1	193.5	1730	65.4	22.0	45	0.2
5/13/80	2	12.1	183.6	1620	57.4	20.9	40	0.3
5/13/80	3	11.8	160.5	1460	58.5	21.7	40	0.3
8/04/80	1	12.8	216.1	2590	71.1	77.1	25	0.4
8/04/80	2	13.0	204.2	2780	68.5	72.3	25	0.4
8/04/80	3	13.3	234.1	2620	75.5	76.6	25	0.4
MEAN		12.6	173.7	2330	76.5	66.7	32	0.3

MAGNOLIA LAKE CLAY COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/05/79	1	5.10	1	0	0	23	3.0	2.0	2.7	0.1	4.3	3.5
9/05/79	2	5.11	1	0	0	22	3.0	2.0	2.9	0.1	4.3	3.4
9/05/79	3	5.10	1	0	0	23	3.0	2.0	2.9	0.2	4.3	3.3
2/27/80	1	5.15	1	0	0	23	3.5	2.0	3.2	0.0	4.3	5.3
2/27/80	2	5.14	1	0	0	23	3.5	2.0	3.1	0.0	4.3	4.8
2/27/80	3	5.16	1	0	0	23	3.5	1.5	3.2	0.0	4.3	5.1
6/30/80	1	5.05	1	0	0	24	3.5	1.5	1.4	0.1	4.5	10.0
6/30/80	2	5.05	1	0	0	23	4.0	1.0	1.4	0.1	4.5	7.8
6/30/80	3	5.03	1	0	0	23	3.5	1.0	1.4	0.1	4.5	9.5
MEAN		5.10	1	0	0	23	3.4	1.7	2.5	0.1	4.4	5.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l pt	SECCHI #
9/05/79	1	0.7	17.6	0.0	0.3	1.2	5	5.2
9/05/79	2	0.6	17.6	****	0.3	1.4	5	5.2
9/05/79	3	0.6	18.7	79.2	0.3	1.2	5	5.2
2/27/80	1	1.3	20.9	83.3	25.5	1.5	0	3.8
2/27/80	2	1.3	18.5	58.3	33.1	1.1	0	3.8
2/27/80	3	1.3	18.9	142.0	29.2	0.7	0	4.0
6/30/80	1	0.8	11.5	200.0	5.9	1.5	3	5.5
6/30/80	2	0.9	11.9	****	5.3	1.4	3	5.5
6/30/80	3	0.9	15.9	117.0	17.2	2.8	3	5.4
MEAN		0.9	16.8	97.1	13.0	1.4	3	4.8

LAKE MAITLAND ORANGE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	7.51	69	0	195	88.5	70.0	8.8	2.5	14.8	13.0	
12/20/79	2	7.47	70	0	190	89.0	70.0	8.7	2.5	14.8	13.0	
12/20/79	3	7.50	72	0	195	90.0	71.0	8.7	2.5	14.8	12.0	
4/09/80	1	7.59	68	0	220	88.0	70.5	9.4	4.5	16.0	15.0	
4/09/80	2	7.65	69	0	220	87.5	70.5	9.6	4.5	16.0	14.0	
4/09/80	3	7.64	68	0	210	88.0	70.5	9.6	4.5	15.8	15.0	
7/29/80	1	8.03	67	0	205	87.0	71.5	8.1	3.9	16.8	24.3	
7/29/80	2	8.10	68	0	205	87.5	71.0	8.1	3.9	16.8	21.6	
7/29/80	3	8.21	67	0	205	87.0	70.5	8.1	3.9	17.0	19.8	
MEAN		7.67	69	0	205	88.1	70.6	8.8	3.6	15.9	16.4	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l pt	SECCHI
12/20/79	1	0.6	6.0	833	25.8	0.4	5	P
12/20/79	2	0.5	7.7	517	24.7	0.5	5	P
12/20/79	3	0.5	7.7	575	27.6	1.1	5	P
4/09/80	1	0.2	17.8	641	35.3	5.4	0	2.4
4/09/80	2	0.2	33.6	741	36.4	5.8	0	2.4
4/09/80	3	0.1	20.4	616	34.2	5.4	0	2.4
7/29/80	1	0.1	21.4	517	22.7	24.9	5	1.4
7/29/80	2	0.0	17.3	424	24.4	21.0	5	1.4
7/29/80	3	0.0	15.8	510	24.4	21.6	10	1.3
MEAN		0.2	16.4	597	28.4	9.6	4	1.8

LAKE MANATEE MANATEE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
2/12/80	1	7.32	22	0	116	51.0	30.0	5.0	2.4	10.3	22.0
2/12/80	2	7.33	22	0	115	50.5	29.5	5.1	2.4	10.0	26.0
2/12/80	3	7.32	22	0	116	51.0	29.0	4.9	2.4	10.0	21.0
6/20/80	1	6.68	51	0	150	62.0	34.0	6.9	2.5	13.0	40.0
6/20/80	2	6.90	53	0	160	61.0	35.0	6.6	2.4	12.5	39.0
6/20/80	3	6.70	53	0	160	61.0	34.5	6.5	2.4	13.0	36.0
8/24/80	1	6.47	16	0	132	50.0	28.0	6.5	3.1	12.5	37.0
8/24/80	2	6.48	16	0	128	48.0	27.0	6.5	3.1	12.8	31.0
8/24/80	3	6.55	18	0	128	48.0	28.0	6.4	3.1	12.5	34.0
MEAN		6.74	30	0	134	53.6	30.6	6.0	2.6	11.8	31.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
2/12/80	1	6.0	370.8	841	82.6	1.3	150	0.9
2/12/80	2	6.0	365.2	791	217.6	1.2	150	0.9
2/12/80	3	6.1	363.7	825	107.1	1.5	150	0.9
6/20/80	1	3.5	239.1	425	179.1	9.8	100	1.0
6/20/80	2	3.4	242.8	500	175.6	8.8	100	1.0
6/20/80	3	3.5	256.4	516	173.6	8.4	80	1.0
8/24/80	1	1.5	170.2	582	156.8	10.7	60	1.7
8/24/80	2	1.7	164.7	532	174.0	14.1	60	1.7
8/24/80	3	1.6	183.5	553	201.4	9.7	60	1.7
MEAN		3.7	261.8	618	163.1	7.3	101	1.2

LAKE MARGARET PUTNAM COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/10/79	1	4.64	0	0	60	9.0	3.0	7.2	0.5	9.3	5.4
10/10/79	2	4.63	0	0	60	9.5	3.0	6.9	0.5	8.5	5.8
10/10/79	3	4.64	0	0	60	9.5	3.0	7.2	0.7	9.0	6.1
3/17/80	1	4.68	0	0	59	9.5	2.0	7.2	0.3	10.5	7.9
3/17/80	2	4.68	0	0	59	9.5	2.0	7.1	0.3	10.3	7.1
3/17/80	3	4.69	0	0	60	9.5	2.0	7.0	0.3	10.3	7.1
7/09/80	1	4.37	0	0	59	9.5	3.5	6.8	0.3	10.5	10.8
7/09/80	2	4.38	0	0	59	9.0	3.0	7.1	0.3	10.8	9.3
7/09/80	3	4.40	0	0	59	9.5	3.5	7.1	0.3	10.8	8.4
MEAN		4.55	0	0	59	9.4	2.8	7.0	0.4	10.0	7.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/10/79	1	0.5	325.9	475	19.3	10.8	50	0.8
10/10/79	2	0.5	322.6	414	19.3	10.8	50	0.8
10/10/79	3	0.5	322.0	414	19.3	10.9	50	0.7
3/17/80	1	1.1	306.1	483	16.9	5.2	75	0.4
3/17/80	2	1.1	290.8	483	19.7	5.6	75	0.5
3/17/80	3	1.1	302.2	475	18.9	5.3	75	0.5
7/09/80	1	1.2	278.6	1200	20.5	5.3	70	0.9
7/09/80	2	1.2	284.5	1283	24.9	5.7	70	0.9
7/09/80	3	1.3	278.6	1200	22.2	***	70	0.9
MEAN		1.0	301.3	714	20.1	7.5	65	0.7

OSCEOLA COUNTY

LAKE MARIAN

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 °C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	7.41	22	0	96	31.0	24.5	8.8	2.3	14.8	6.7
1/31/80	2	7.33	23	0	94	31.5	25.5	8.8	2.3	14.8	6.5
1/31/80	3	7.35	23	0	92	31.5	27.5	8.7	2.3	14.8	6.2
6/03/80	1	9.89	20	7	120	31.5	23.5	8.2	2.3	16.3	7.5
6/03/80	2	9.75	20	6	114	32.0	23.5	7.6	2.3	16.3	7.6
6/03/80	3	9.87	21	8	120	31.5	23.5	8.0	2.4	16.3	7.3
8/21/80	1	9.04	23	2	101	33.5	28.0	10.0	2.4	17.0	11.0
8/21/80	2	9.18	24	2	102	34.0	28.0	10.0	2.4	16.8	11.0
8/21/80	3	9.15	22	2	100	33.5	29.0	9.6	2.4	16.8	11.0
MEAN		7.83	22	3	104	32.2	25.9	8.9	2.3	16.0	8.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/31/80	1	0.4	141.8	1190	53.9	27.1	70	1.0
1/31/80	2	0.4	126.2	1220	53.9	26.7	70	1.0
1/31/80	3	0.4	132.2	1020	60.1	29.2	70	1.0
6/03/80	1	1.2	170.4	2100	103.4	70.6	50	0.3
6/03/80	2	1.2	188.8	2140	49.5	80.9	50	0.3
6/03/80	3	1.2	170.8	2130	76.7	68.1	50	0.3
8/21/80	1	1.5	289.9	2180	91.0	89.0	35	0.4
8/21/80	2	1.9	350.1	1650	95.0	83.3	30	0.5
8/21/80	3	1.4	278.1	1740	88.3	80.2	35	0.5
MEAN		1.1	205.4	1708	74.6	61.7	51	0.6

POLK COUNTY

LAKE MARION

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.57	29	0	92	41.5	31.0	5.2	1.0	8.5	10.0	
1/30/80	2	7.63	30	0	91	42.0	32.0	5.0	1.0	8.5	7.8	
1/30/80	3	7.66	30	0	90	41.5	31.0	5.0	1.0	8.3	6.3	
6/01/80	1	8.29	36	0	110	47.5	32.0	4.4	1.1	8.5	12.0	
6/01/80	2	8.62	36	1	110	48.5	32.0	4.4	1.2	8.8	12.0	
6/01/80	3	8.45	36	0	110	48.0	31.5	4.4	1.2	8.8	12.0	
8/20/80	1	6.97	22	0	116	49.0	40.0	4.7	1.1	9.8	18.0	
8/20/80	2	6.96	24	0	118	49.0	40.0	4.7	1.1	9.8	14.0	
8/20/80	3	6.90	22	0	117	48.0	39.0	4.7	1.1	10.0	11.0	
MEAN		7.33	29	0	106	46.1	34.2	4.7	1.1	9.0	11.5	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
1/30/80	1	2.8	122.0	1010	29.4	13.6	60	0.8
1/30/80	2	2.7	124.6	916	29.4	15.0	60	0.9
1/30/80	3	2.7	125.6	975	17.1	14.7	60	0.9
6/01/80	1	2.8	94.9	848	26.9	10.3	30	1.0
6/01/80	2	2.7	97.5	862	27.3	6.2	30	1.0
6/01/80	3	2.8	82.6	783	23.4	10.4	30	0.9
8/20/80	1	4.1	86.3	582	14.1	12.2	20	1.1
8/20/80	2	4.1	74.3	639	16.8	10.0	20	1.2
8/20/80	3	4.1	68.3	661	14.1	10.5	20	1.2
MEAN		3.2	97.3	808	22.1	11.4	37	1.0

LAKE MARY JANE ORANGE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/29/80	1	5.64	4	0	69	18.0	9.0	8.3	0.6	15.3	7.3
1/29/80	2	5.67	4	0	68	17.5	8.5	8.3	0.6	15.5	7.9
1/29/80	3	5.66	4	0	68	18.0	8.5	8.2	0.6	15.5	6.1
6/01/80	1	5.83	3	0	82	19.0	8.0	8.7	0.7	17.5	9.9
6/01/80	2	5.85	3	0	82	18.5	8.5	8.4	0.7	17.3	9.8
6/01/80	3	4.30	0	0	100	19.5	8.5	8.2	0.6	17.5	18.0
8/19/80	1	5.31	3	0	98	19.0	10.0	11.0	0.9	19.8	16.0
8/19/80	2	5.90	4	0	91	19.0	10.0	10.0	0.9	19.5	14.0
8/19/80	3	5.96	4	0	95	19.0	9.0	10.0	0.9	19.3	16.0
MEAN		5.13	3	0	84	18.6	8.9	9.0	0.7	17.5	11.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/29/80	1	2.1	954.1	1260	19.2	3.5	200	0.4
1/29/80	2	2.1	945.6	1230	17.1	3.0	200	0.4
1/29/80	3	2.1	932.8	1290	17.1	3.2	200	0.4
6/01/80	1	1.2	1035.0	1240	8.5	4.8	250	0.5
6/01/80	2	1.1	989.1	1310	7.1	5.5	250	0.5
6/01/80	3	1.1	1006.6	1350	11.9	4.3	250	0.5
8/19/80	1	0.8	1421.8	1190	27.1	19.5	225	0.5
8/19/80	2	0.7	1421.8	1190	29.6	19.6	225	0.5
8/19/80	3	0.8	1488.0	1190	23.4	19.2	225	0.5
MEAN		1.3	1132.8	1250	17.9	9.2	225	0.5

CALHOUN COUNTY

LAKE MCKENZIE

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/05/79	1	4.71	1	0	16	2.0	1.5	1.7	0.2	5	2.3	2.8
12/05/79	2	4.64	1	0	20	2.0	1.5	1.7	0.2	5	2.0	2.9
12/05/79	3	4.73	1	0	16	2.0	1.5	1.6	0.2	5	2.0	2.9
4/21/80	1	4.71	1	0	16	1.5	1.5	1.5	0.0	15	1.8	5.6
4/21/80	2	4.69	1	0	16	1.5	1.5	1.5	0.0	15	2.0	4.4
4/21/80	3	4.68	1	0	16	1.5	1.0	1.4	0.0	15	1.8	6.5
8/05/80	1	4.65	1	0	15	1.0	0.9	2.0	0.2	10	2.3	8.8
8/05/80	2	4.62	1	0	16	1.0	0.8	1.9	0.2	10	2.0	9.9
8/05/80	3	4.66	1	0	16	1.1	0.8	1.9	0.2	10	2.0	7.7
MEAN		4.68	1	0	16	1.5	1.2	1.7	0.1	9	2.0	5.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/05/79	1	0.1	18.4	***	1.5	1.2	5	5.0
12/05/79	2	0.1	21.2	150	0.6	1.0	5	5.0
12/05/79	3	0.1	20.3	150	6.4	1.1	5	5.0
4/21/80	1	0.0	33.7	183	3.7	1.3	15	4.0
4/21/80	2	0.0	32.7	217	3.1	1.2	15	4.5
4/21/80	3	0.0	35.2	200	2.9	1.2	15	4.5
8/05/80	1	0.0	24.8	187	4.4	0.7	5	6.3
8/05/80	2	0.0	20.5	165	4.8	0.7	10	6.5
8/05/80	3	0.1	24.8	158	4.4	0.6	10	6.5
MEAN		0.1	25.7	176	3.5	1.0	9	5.3

MERIAL LAKE BAY COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/05/79	1	4.78	0	0	19	2.0	2.0	1.9	0.2	2.5	3.0	
12/05/79	2	4.77	0	0	19	2.5	2.5	2.0	0.2	2.8	3.0	
12/05/79	3	4.77	0	0	19	2.0	2.0	2.0	0.2	2.5	3.0	
4/22/80	1	4.68	1	0	17	2.0	1.5	1.8	0.1	2.5	7.9	
4/22/80	2	4.75	1	0	18	2.0	1.0	1.7	0.1	2.3	6.5	
4/22/80	3	4.72	1	0	18	2.0	1.0	1.7	0.2	2.3	7.4	
8/05/80	1	4.50	0	0	21	1.6	1.2	2.4	0.3	3.0	9.6	
8/05/80	2	4.58	0	0	19	2.2	1.0	2.2	0.3	2.8	7.2	
8/05/80	3	4.70	1	0	20	2.6	1.2	2.4	0.3	3.0	8.8	
MEAN		4.68	1	0	19	2.1	1.5	2.0	0.2	2.6	6.3	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/05/79	1	0.2	14.9	23.8	4.8	0.5	0	3.0
12/05/79	2	0.2	15.4	26.4	2.6	0.6	0	3.0
12/05/79	3	0.2	14.5	44.0	5.3	0.4	0	3.0
4/22/80	1	0.1	14.8	117.0	8.2	0.4	0	3.0
4/22/80	2	0.1	11.8	167.0	7.1	0.5	0	3.0
4/22/80	3	0.1	16.3	0.0	5.2	0.3	0	3.0
8/05/80	1	0.2	24.6	64.6	7.1	0.5	0	3.7
8/05/80	2	0.2	22.7	43.1	6.3	0.4	0	3.7
8/05/80	3	0.2	23.7	86.2	7.7	0.6	0	3.4
MEAN		0.2	17.6	63.6	6.0	0.5	0	3.2

MERRITTS MILL POND JACKSON COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	CHLORO- PHYL- mg/m <sup>3</sup>	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/04/79	1	7.63	95	0	190	103.5	99.5	2.0	0.2	3.5	3.0		
12/04/79	2	8.49	96	1	190	105.5	99.5	2.2	0.2	3.5	2.8		
12/04/79	3	8.27	96	0	190	105.5	100.0	2.1	0.2	3.5	0.0		
4/21/80	1	8.09	97	0	195	107.5	99.0	2.0	0.1	3.5	6.1		
4/21/80	2	8.04	99	0	198	108.5	99.5	2.1	0.2	3.5	5.3		
4/21/80	3	8.09	98	0	195	108.5	99.0	2.1	0.1	3.8	4.8		
8/04/80	1	8.38	93	0	185	100.0	90.0	1.4	0.3	4.0	13.4		
8/04/80	2	8.36	93	0	185	98.0	92.0	1.4	0.3	4.0	16.2		
8/04/80	3	8.48	93	2	190	100.0	94.0	1.4	0.3	3.5	16.6		
MEAN		8.11	96	0	191	104.1	96.9	1.9	0.2	3.6	7.6		

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYL- mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/04/79	1	6.8	0.1	1870	18.2	0.1	0	B
12/04/79	2	6.5	0.0	1840	17.7	0.4	0	B
12/04/79	3	6.5	3.7	1710	17.0	1.0	0	B
4/21/80	1	6.2	9.7	1230	21.5	0.6	5	B
4/21/80	2	6.2	11.4	1510	20.0	0.8	5	B
4/21/80	3	6.3	5.9	1540	20.0	0.7	5	B
8/04/80	1	6.3	9.4	1520	19.3	0.5	0	B
8/04/80	2	6.3	14.5	1330	19.3	0.6	0	B
8/04/80	3	6.3	5.1	919	20.6	5.6	0	B
MEAN		6.4	6.6	1497	19.3	1.1	2	***

LAKE MINNEHAHA LAKE COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	5.92	4	0	71	17.5	11.0	7.7	0.6	13.5	7.9
11/06/79	2	5.87	4	0	72	17.5	11.0	7.6	0.6	13.3	7.1
11/06/79	3	5.90	4	0	74	17.5	10.5	7.8	0.6	13.3	6.2
3/27/80	1	5.78	2	0	74	19.0	10.0	8.3	0.9	13.8	7.1
3/27/80	2	5.74	2	0	76	18.5	9.0	8.5	0.9	13.8	8.4
3/27/80	3	5.76	2	0	76	18.0	9.0	8.5	0.9	13.5	7.9
7/21/80	1	5.81	4	0	70	19.0	10.5	7.0	1.0	15.0	18.5
7/21/80	2	5.75	4	0	70	19.0	10.0	6.8	1.0	14.8	18.9
7/21/80	3	5.59	4	0	70	19.0	10.0	6.9	1.0	14.8	16.2
MEAN		5.78	3	0	73	18.3	10.1	7.7	0.8	14.0	10.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	0.7	184.9	421	30.4	5.9	60	1.2
11/06/79	2	0.7	199.1	396	20.6	7.3	60	1.2
11/06/79	3	0.7	178.8	361	20.9	5.5	60	1.4
3/27/80	1	0.3	47.3	533	11.3	6.0	80	1.3
3/27/80	2	0.4	45.8	625	11.6	5.5	80	1.3
3/27/80	3	0.4	45.8	508	10.2	5.6	80	1.2
7/21/80	1	0.5	252.7	546	16.6	5.3	63	1.4
7/21/80	2	0.5	261.3	567	16.2	5.0	63	1.4
7/21/80	3	0.5	261.3	582	20.1	5.4	63	1.4
MEAN		0.5	164.1	504	17.5	5.7	68	1.3

LAKE MINNEOLA LAKE COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	6.18	4	0	76	16.0	9.0	8.5	0.9	15.0	7.5
11/06/79	2	6.22	5	0	78	16.0	9.5	8.7	0.9	15.0	6.9
11/06/79	3	6.22	5	0	78	16.0	10.0	8.3	0.9	15.0	5.4
3/27/80	1	6.69	5	0	76	17.5	10.0	9.2	1.1	14.5	8.6
3/27/80	2	6.62	5	0	78	17.5	11.0	9.2	1.1	15.0	8.1
3/27/80	3	6.65	4	0	78	17.5	10.5	9.2	1.1	14.8	7.8
7/21/80	1	6.46	7	0	80	19.5	11.0	8.6	1.3	16.5	10.9
7/21/80	2	6.45	7	0	80	20.0	10.5	7.8	1.3	16.5	11.0
7/21/80	3	6.53	6	0	80	19.5	10.0	8.0	1.3	16.3	11.4
MEAN		6.41	5	0	78	17.7	10.2	8.6	1.1	15.4	8.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	0.9	41.8	***	11.5	2.2	15	3.7
11/06/79	2	0.8	43.7	361	13.6	2.6	15	4.0
11/06/79	3	0.8	43.5	387	11.9	2.1	15	4.0
3/27/80	1	0.7	209.1	442	15.1	1.6	30	2.9
3/27/80	2	0.7	209.9	492	17.1	1.8	30	3.0
3/27/80	3	0.7	211.0	475	15.6	2.1	35	3.0
7/21/80	1	0.6	72.5	424	14.1	2.7	15	5.0
7/21/80	2	0.6	76.0	438	10.7	2.5	15	5.0
7/21/80	3	0.6	69.7	438	13.2	2.3	15	5.0
MEAN		0.7	108.6	432	13.6	2.2	21	4.0

SUMTER COUNTY

LAKE MIONA

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/07/79	1	6.92	24	0	145	41.0	30.0	12.0	0.4	20.3	9.2	
11/07/79	2	7.03	25	0	145	41.0	30.0	12.0	0.3	20.3	8.8	
11/07/79	3	7.03	25	0	145	41.0	30.0	12.0	0.4	20.0	8.8	
4/07/80	1	7.36	24	0	130	41.0	31.5	13.0	1.4	19.0	9.0	
4/07/80	2	7.46	25	0	130	41.0	31.5	12.0	1.6	19.5	8.7	
4/07/80	3	7.49	24	0	130	41.5	30.5	12.0	1.5	19.3	9.1	
7/24/80	1	7.23	25	0	137	42.0	31.0	10.0	1.4	19.8	17.7	
7/24/80	2	7.23	25	0	138	41.0	31.0	10.0	1.5	19.8	17.3	
7/24/80	3	7.19	26	0	138	41.5	30.5	10.0	1.5	19.8	15.7	
MEAN		7.18	25	0	138	41.2	30.7	11.4	1.1	19.8	11.6	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/07/79	1	0.3	50.5	925	15.6	14.7	20	1.2
11/07/79	2	0.3	48.8	1250	16.2	17.5	15	1.2
11/07/79	3	0.3	46.7	1090	20.0	16.0	20	1.1
4/07/80	1	0.3	21.3	1470	12.5	10.8	40	1.0
4/07/80	2	0.3	21.7	1190	12.7	12.2	30	1.0
4/07/80	3	0.3	28.7	1460	12.9	13.2	30	1.0
7/24/80	1	0.3	24.4	1410	17.3	19.3	25	1.1
7/24/80	2	0.2	21.3	1260	16.4	18.8	25	1.2
7/24/80	3	0.2	21.3	1440	14.5	21.2	25	1.2
MEAN		0.3	31.6	1277	15.3	16.0	26	1.1

CALHOUN COUNTY

MIRROW LAKE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/05/79	1	4.91	1	0	16	3.0	3.0	1.6	0.2	2.0	2.9
12/05/79	2	4.90	1	0	16	3.0	3.0	1.6	0.2	2.3	3.3
12/05/79	3	4.90	1	0	16	3.0	2.5	1.7	0.3	2.0	2.8
4/21/80	1	4.87	1	0	16	2.5	1.5	1.5	0.1	1.8	5.4
4/21/80	2	4.86	1	0	16	2.0	1.5	1.5	0.1	1.8	4.4
4/21/80	3	4.80	1	0	16	2.5	1.5	1.4	0.1	1.8	4.5
8/05/80	1	4.86	1	0	16	1.6	1.4	1.2	0.3	2.0	6.0
8/05/80	2	4.78	1	0	16	1.8	1.4	2.1	0.3	2.0	7.0
8/05/80	3	4.81	1	0	16	1.6	1.3	2.3	0.3	1.8	12.1
MEAN	1	4.85	1	0	16	2.3	1.9	1.7	0.2	1.9	5.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/05/79	1	0.0	8.5	106	8.7	0.8	0	5.5
12/05/79	2	0.0	8.7	97	1.9	0.9	0	5.5
12/05/79	3	0.0	10.2	88	1.7	0.8	0	5.5
4/21/80	1	0.0	17.8	108	0.9	1.1	10	6.7
4/21/80	2	0.0	15.7	158	1.1	0.9	10	7.0
4/21/80	3	0.0	17.6	75	0.9	1.1	10	7.0
8/05/80	1	0.0	37.6	122	5.8	0.6	0	9.0
8/05/80	2	0.0	35.5	108	4.8	0.6	0	9.0
8/05/80	3	0.0	37.9	129	4.8	0.6	0	9.0
MEAN	1	0.0	21.1	110	3.4	0.8	3	7.1

SEMINOLE/VOLUSIA COUNTY

LAKE MONROE

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/29/79	1	7.27	46	0	470	96.0	68.5	64	4.2	114	21.0	
11/29/79	2	7.29	45	0	470	96.0	68.0	74	4.2	107	15.0	
11/29/79	3	7.36	46	0	460	95.0	68.5	64	4.1	107	15.0	
3/12/80	1	7.74	57	0	1040	215.0	127.0	160	7.8	288	90.0	
3/12/80	2	8.15	58	0	1060	205.0	145.5	150	7.4	285	88.0	
3/12/80	3	8.17	58	0	980	195.0	143.5	150	7.4	285	80.0	
7/29/80	1	8.17	31	0	1240	216.0	118.0	200	11.0	410	106.0	
7/29/80	2	7.63	31	0	1220	214.0	118.0	200	10.0	378	112.0	
7/29/80	3	7.74	29	0	1220	214.0	116.0	200	10.0	373	102.0	
MEAN		7.59	45	0	907	171.8	108.1	140	7.3	261	69.9	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/29/79	1	4.6	512.7	1350	65.0	7.3	150	0.4
11/29/79	2	4.6	516.2	1380	52.6	10.6	150	0.4
11/29/79	3	5.0	597.6	1500	96.3	10.1	150	0.3
3/12/80	1	0.0	174.7	991	75.5	33.5	75	0.5
3/12/80	2	0.0	192.3	1080	63.3	42.0	75	0.5
3/12/80	3	0.0	195.5	1020	69.7	35.6	75	0.5
7/29/80	1	5.2	120.0	1190	153.4	73.6	40	0.5
7/29/80	2	5.2	129.5	1470	136.7	70.0	45	0.5
7/29/80	3	5.6	116.4	****	107.6	54.1	45	0.5
MEAN		3.4	283.9	1248	91.1	37.4	89	0.5

MOON LAKE PASCO COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	6.86	8	0	78	18.0	13.0	8.3	0.6	15.5	7.7
1/16/80	2	6.86	9	0	78	18.5	13.5	8.7	0.6	15.5	6.6
1/16/80	3	6.80	9	0	78	18.5	13.5	8.5	0.6	15.3	6.5
5/13/80	1	6.62	7	0	80	19.3	15.0	8.8	0.6	15.8	6.3
5/13/80	2	6.62	7	0	83	19.3	15.0	8.7	0.7	15.8	7.7
5/13/80	3	6.62	7	0	84	19.3	15.0	8.7	0.6	16.0	8.1
8/04/80	1	6.57	8	0	74	17.0	13.0	9.2	0.7	16.3	18.9
8/04/80	2	6.99	8	0	74	17.5	12.0	9.3	0.7	16.3	15.5
8/04/80	3	7.02	9	0	74	17.5	13.5	9.5	0.7	16.3	12.7
MEAN		6.74	8	0	78	18.3	13.7	8.9	0.6	15.9	10.0

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/16/80	1	0.1	36.7	733	16.6	4.5	30	2.4
1/16/80	2	0.1	35.2	741	15.9	4.6	30	2.4
1/16/80	3	0.1	36.5	741	17.9	4.1	30	2.4
5/13/80	1	0.1	38.5	639	15.2	2.5	30	2.3
5/13/80	2	0.1	40.0	560	12.0	2.3	30	2.4
5/13/80	3	0.1	37.6	467	11.8	2.3	30	2.4
8/04/80	1	0.2	33.4	697	11.1	3.1	25	3.5
8/04/80	2	0.2	32.7	697	10.5	3.2	25	3.5
8/04/80	3	0.2	33.8	682	11.7	4.3	25	3.0
MEAN		0.1	36.0	662	13.6	3.4	28	2.7

MOUNTAIN LAKE HERNANDO COUNTY

DATE	SAMPLE	PH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/15/80	1	6.54	15	0	64	23.5	13.5	5.5	0.8	9.5	3.2
1/15/80	2	6.52	15	0	64	23.5	13.0	5.3	0.8	9.0	4.1
1/15/80	3	6.57	15	0	64	23.0	13.0	5.3	0.9	9.5	4.1
5/13/80	1	6.21	10	0	60	19.0	11.8	5.3	0.1	9.3	5.3
5/13/80	2	6.25	9	0	60	19.0	11.5	5.4	0.1	9.3	5.3
5/13/80	3	6.13	8	0	60	19.0	11.0	5.3	0.1	9.3	5.6
8/04/80	1	****	**	*	**	****	****	***	***	***	***
8/04/80	2	****	**	*	**	****	****	***	***	***	***
8/04/80	3	****	**	*	**	****	****	***	***	***	***
MEAN		6.33	12	0	62	21.2	12.3	5.4	0.5	9.3	4.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/15/80	1	0.5	252.5	925	31.7	3.0	125	1.1
1/15/80	2	0.5	261.1	991	16.4	3.1	125	1.1
1/15/80	3	0.5	249.1	916	31.2	2.9	125	1.1
5/13/80	1	0.3	247.1	***	3.1	18.1	120	1.5
5/13/80	2	0.3	228.9	650	13.9	7.4	120	1.5
5/13/80	3	0.3	223.3	608	1.2	5.3	120	1.3
8/04/80	1	***	*****	***	***	***	***	***
8/04/80	2	***	*****	***	***	***	***	***
8/04/80	3	***	*****	***	***	***	***	***
MEAN		0.4	243.7	818	16.3	6.6	123	1.3

LEON COUNTY

LAKE MUNSON

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/20/79	1	8.83	66	3	235	68.5	51.5	20.0	3.0	21.8	8.9
10/20/79	2	8.94	66	4	235	69.0	51.5	20.0	3.0	22.3	8.6
10/20/79	3	9.23	66	8	240	68.5	51.5	20.0	3.0	22.3	7.1
3/19/80	1	7.37	35	0	115	37.5	27.0	9.1	1.8	9.8	4.2
3/19/80	2	7.23	36	0	115	37.0	27.0	9.1	1.8	9.5	3.9
3/19/80	3	7.17	37	0	117	37.5	27.5	8.8	1.8	9.5	3.0
7/07/80	1	9.64	70	34	204	73.0	52.0	19.0	3.5	22.3	9.2
7/07/80	2	9.42	72	20	210	74.0	54.0	19.0	3.5	22.5	14.9
7/07/80	3	9.43	73	18	215	72.0	55.5	20.0	3.6	22.8	13.8
MEAN		7.72	58	10	187	59.7	44.1	16.1	2.8	18.1	8.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/20/79	1	7.5	342.1	2410	896.7	107.9	45	0.6
10/20/79	2	7.9	258.1	2700	777.3	149.7	45	0.6
10/20/79	3	7.8	258.7	2710	1155.8	133.8	45	0.5
3/19/80	1	3.2	884.4	2670	811.3	75.6	80	0.4
3/19/80	2	3.5	859.0	2120	743.0	80.6	100	0.4
3/19/80	3	3.5	899.2	2790	691.7	68.3	80	0.4
7/07/80	1	9.5	246.3	3640	423.2	255.0	20	0.3
7/07/80	2	9.8	250.5	3510	55.3	217.9	20	0.3
7/07/80	3	9.9	249.3	3810	40.9	215.5	20	0.3
MEAN		6.9	472.0	2929	621.7	144.9	51	0.4

MADISON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/22/79	1	6.67	11	0	36	12.5	8.5	2.8	0.1	4.5	0.0
10/22/79	2	6.68	10	0	36	13.0	9.0	3.0	0.1	4.3	0.0
10/22/79	3	6.61	10	0	37	12.5	8.5	2.9	0.1	4.3	0.0
3/19/80	1	6.76	9	0	28	10.5	7.5	2.8	0.1	3.5	2.2
3/19/80	2	6.65	8	0	28	10.0	7.0	2.8	0.1	3.8	2.2
3/19/80	3	6.81	8	0	28	9.5	6.5	2.8	0.1	3.8	2.9
7/07/80	1	6.66	10	0	29	12.0	8.5	0.9	0.1	4.0	11.4
7/07/80	2	6.80	10	0	27	12.0	8.5	0.8	0.1	4.3	8.4
7/07/80	3	6.50	10	0	27	12.5	8.0	0.9	0.1	3.8	10.9
MEAN		6.67	10	0	31	11.6	8.0	2.2	0.1	4.0	4.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/22/79	1	0.2	198.8	634	16.2	2.7	10	B
10/22/79	2	0.2	211.4	634	15.6	3.2	10	B
10/22/79	3	0.2	224.8	616	14.8	3.1	10	B
3/19/80	1	0.1	211.4	483	19.5	2.3	5	B
3/19/80	2	0.1	211.4	583	16.1	8.9	5	B
3/19/80	3	0.1	*****	442	9.9	2.1	5	B
7/07/80	1	0.2	349.4	474	11.5	5.0	25	B
7/07/80	2	0.2	396.6	539	3.4	2.5	25	B
7/07/80	3	0.2	321.1	532	3.2	3.3	25	B
MEAN		0.1	265.6	549	12.2	3.7	13	***

ALACHUA COUNTY

NEWMANS LAKE

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/05/79	1	6.79	18	0	60	22.0	14.0	5.9	0.4	9.3	0.0
9/05/79	2	6.82	18	0	58	22.0	14.0	5.8	0.4	9.0	0.0
9/05/79	3	6.80	16	0	60	22.0	14.0	5.7	0.4	9.0	0.0
2/26/80	1	6.76	12	0	55	22.0	13.0	6.4	0.3	8.3	0.0
2/26/80	2	6.90	12	0	54	22.0	13.0	5.5	0.2	8.3	2.8
2/26/80	3	6.82	12	0	56	22.0	12.5	5.4	0.2	8.0	0.0
6/30/80	1	6.72	14	0	64	22.5	15.0	7.7	0.4	8.8	9.4
6/30/80	2	6.85	14	0	64	23.0	15.5	7.0	0.5	9.0	8.4
6/30/80	3	6.87	14	0	64	23.0	14.5	7.3	0.5	9.0	9.6
MEAN		6.81	14	0	59	22.3	13.9	6.3	0.4	8.7	3.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/05/79	1	***	305.8	1230	81.5	52.9	45	0.5
9/05/79	2	0.7	305.6	1510	71.0	55.0	45	0.5
9/05/79	3	0.5	310.1	1300	74.4	47.5	45	0.5
2/26/80	1	1.6	456.9	1350	52.8	30.8	150	0.5
2/26/80	2	1.7	430.8	1340	46.3	33.5	125	0.5
2/26/80	3	1.7	440.5	1330	63.0	34.0	125	0.5
6/30/80	1	0.7	296.2	883	22.6	24.1	100	0.7
6/30/80	2	0.6	344.6	1110	33.9	27.7	100	0.7
6/30/80	3	0.5	373.5	***	25.3	36.6	100	0.7
MEAN		1.0	362.6	1257	52.3	38.0	93	0.6

BAKER COUNTY

OCEAN POND

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	5.04	1	0	0	38	5.5	4.0	4.9	0.2	7.0	4.2
9/08/79	2	5.00	1	0	0	38	6.0	3.0	4.8	0.2	6.8	4.2
9/08/79	3	4.99	1	0	0	38	6.0	3.0	4.8	0.2	6.5	4.1
2/28/80	1	4.84	0	0	0	32	6.0	2.5	4.4	0.1	6.5	3.8
2/28/80	2	4.85	0	0	0	32	6.0	2.5	4.3	0.1	6.3	5.3
2/28/80	3	4.85	0	0	0	32	6.0	2.5	4.4	0.1	6.0	4.6
7/02/80	1	3.48	0	0	0	36	6.0	2.5	3.1	0.1	6.0	9.4
7/20/80	2	4.64	0	0	0	34	6.0	2.5	3.1	0.1	5.8	11.9
7/02/80	3	3.50	0	0	0	33	5.5	2.0	3.2	0.1	5.8	9.1
MEAN		4.08	0	0	0	35	5.9	2.7	4.1	0.1	6.3	6.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/08/79	1	1.9	173.2	211	11.4	***	15	1.5
9/08/79	2	1.9	177.9	194	12.1	2.4	15	1.5
9/08/79	3	1.9	181.9	246	13.4	1.8	15	1.5
2/28/80	1	3.1	333.4	225	30.9	2.5	60	0.9
2/28/80	2	3.2	337.9	183	29.6	2.4	60	0.9
2/28/80	3	3.1	333.4	250	37.0	2.6	60	0.8
7/02/80	1	3.2	307.5	158	24.2	3.9	75	1.0
7/02/80	2	3.3	333.4	175	25.1	6.4	75	1.0
7/02/80	3	3.3	320.7	352	22.6	4.5	75	0.9
MEAN		2.8	277.7	222	22.9	3.3	50	1.1

JACKSON COUNTY

OCHEESE POND

DATE	SAMPLE	PH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/04/79	1	5.56	2	0	16	3.5	3.0	1.9	0.2	2.8	2.8	2.8
12/04/79	2	5.60	2	0	15	3.5	3.0	2.0	0.2	3.3	3.3	2.8
12/04/79	3	5.60	2	0	15	4.0	3.0	1.9	0.2	3.3	3.3	2.9
4/21/80	1	5.65	3	0	16	3.0	2.0	1.8	0.2	3.0	3.0	5.9
4/21/80	2	5.60	2	0	16	3.0	1.5	1.8	0.2	3.0	3.0	6.0
4/21/80	3	5.58	3	0	16	3.0	2.0	1.8	0.2	2.8	2.8	5.0
8/04/80	1	5.61	3	0	16	3.0	2.0	1.2	0.3	3.0	3.0	6.5
8/04/80	2	5.61	3	0	16	3.0	2.0	1.1	0.3	3.0	3.0	5.6
8/04/80	3	5.56	3	0	16	3.0	2.0	1.1	0.3	2.8	2.8	11.4
MEAN		5.60	3	0	16	3.2	2.3	1.6	0.2	3.0	3.0	5.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/04/79	1	0.1	99.4	273	13.0	2.8	10	3.5
12/04/79	2	0.1	98.3	352	10.0	2.7	5	3.5
12/04/79	3	0.0	97.7	255	5.3	2.5	5	3.6
4/21/80	1	0.1	167.5	358	16.3	3.3	10	2.2
4/21/80	2	0.1	175.3	333	7.8	3.5	10	2.4
4/21/80	3	0.1	170.4	300	3.9	2.5	10	2.4
8/04/80	1	0.3	237.3	345	6.9	2.1	10	4.0
8/04/80	2	0.3	240.3	374	8.2	2.1	10	4.0
8/04/80	3	0.3	244.6	366	7.1	1.7	10	4.0
MEAN		0.1	170.1	328	8.7	2.6	9	3.3

LAKE OKAHUMPKA

SUMTER COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
11/07/79	1	9.92	38	12	155	49.0	33.0	12.0	0.0	21.3	21.3	0.0
11/07/79	2	9.93	39	12	155	48.5	33.5	12.0	0.0	21.3	21.3	0.0
11/07/79	3	10.03	40	14	160	48.5	33.5	12.0	0.0	20.8	20.8	0.0
4/07/80	1	7.55	71	0	200	81.5	62.5	16.0	2.8	23.0	23.0	5.0
4/07/80	2	7.99	71	0	205	82.0	62.5	14.0	2.6	23.5	23.5	3.8
4/07/80	3	8.25	71	0	200	80.5	61.5	14.0	2.3	23.3	23.3	4.2
7/24/80	1	9.30	43	16	165	53.5	39.5	13.0	0.2	24.3	24.3	13.2
7/24/80	2	10.12	39	18	180	51.0	34.0	13.0	0.1	24.0	24.0	13.6
7/24/80	3	10.02	39	16	170	49.5	34.5	12.0	0.0	23.8	23.8	12.2
MEAN		8.30	50	10	177	60.4	43.8	13.1	0.9	22.8	22.8	5.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI H
11/07/79	1	0.3	98.9	758	17.6	3.1	15	P
11/07/79	2	0.3	105.7	825	15.6	3.9	15	P
11/07/79	3	0.3	109.5	850	17.6	4.1	15	P
4/07/80	1	0.7	440.0	983	6.2	6.5	30	P
4/07/80	2	0.5	356.2	891	6.2	6.0	30	P
4/07/80	3	0.5	282.1	941	19.9	4.2	30	P
7/24/80	1	2.7	380.0	912	16.6	5.4	15	P
7/24/80	2	2.7	169.0	819	10.9	4.0	15	P
7/24/80	3	2.6	212.4	941	13.9	6.5	15	P
MEAN		1.2	239.3	880	13.8	4.9	20	***

OKEECHOBEE/MARTIN/GLADES/PALM BEACH/HENDRY COUNTY

LAKE OKEECHOBEE

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	8.10	99	0	470	151.0	106.0	46.0	4.7	70.3	57.0	
1/31/80	2	8.11	99	0	450	151.5	105.0	45.0	4.7	70.8	58.0	
1/31/80	3	8.12	99	0	430	153.0	104.5	46.0	4.7	70.8	51.0	
6/03/80	1	8.67	99	3	440	149.5	93.0	45.0	4.6	68.0	56.0	
6/03/80	2	8.65	100	3	440	150.5	93.5	45.0	4.6	68.3	56.0	
6/03/80	3	8.69	100	4	440	151.0	94.0	45.0	4.6	68.0	56.0	
8/21/80	1	8.63	102	2	440	150.0	90.0	49.0	5.0	74.0	57.0	
8/21/80	2	8.60	102	2	440	150.0	96.0	48.0	5.1	74.0	59.0	
8/21/80	3	8.53	103	2	440	150.0	100.0	48.0	5.1	73.0	57.0	
MEAN		8.38	100	2	443	150.7	98.0	46.3	4.8	70.8	56.3	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/31/80	1	10.0	196.3	1240	170.5	8.7	70	0.4
1/31/80	2	10.9	190.6	1470	164.4	6.8	70	0.4
1/31/80	3	11.2	188.7	1300	160.3	6.0	70	0.4
6/03/80	1	1.0	94.4	1030	98.4	13.6	45	0.5
6/03/80	2	1.5	106.0	1010	102.4	15.9	40	0.5
6/03/80	3	1.9	104.9	970	89.2	14.9	40	0.5
8/21/80	1	7.4	49.8	1070	53.1	21.3	30	0.7
8/21/80	2	9.0	48.7	955	55.4	22.9	30	0.7
8/21/80	3	10.2	42.5	955	46.9	23.3	30	0.7
MEAN		7.0	113.5	1111	104.5	14.8	47	0.5

OSBORNE LAKE PALM BEACH COUNTY

DATE	SAMPLE	PH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
2/10/80	1	8.09	168	0	520	215.0	194.0	51.0	4.0	72.0	41.0	
2/10/80	2	8.06	171	0	520	215.0	194.0	50.0	4.0	73.0	41.0	
2/10/80	3	8.11	170	0	520	214.0	193.5	48.0	4.0	71.0	44.0	
6/23/80	1	8.24	303	0	500	185.5	176.5	36.0	4.8	56.0	37.0	
6/23/80	2	8.27	303	0	500	186.5	184.0	36.0	4.8	57.0	34.0	
6/23/80	3	8.25	305	0	500	185.5	185.0	37.0	4.8	57.0	33.0	
8/25/80	1	8.55	140	2	411	171.0	150.0	32.0	6.0	46.8	36.0	
8/25/80	2	8.30	136	0	410	170.0	151.0	32.0	6.0	46.5	36.0	
8/25/80	3	8.18	138	0	410	170.0	151.0	31.0	6.0	46.5	32.0	
MEAN		8.21	204	0	477	190.3	175.4	39.2	4.9	58.4	37.1	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
2/10/80	1	6.4	139.5	1540	146.0	****	70	0.9
2/10/80	2	6.3	136.9	1540	133.7	****	70	0.9
2/10/80	3	6.4	137.3	1440	113.2	****	70	0.8
6/23/80	1	3.0	57.2	1010	161.0	36.8	50	1.0
6/23/80	2	3.3	56.1	1020	152.6	20.9	50	1.0
6/23/80	3	3.1	60.7	1030	143.5	47.7	60	1.0
8/25/80	1	2.4	56.6	891	130.9	47.8	60	1.1
8/25/80	2	2.6	57.4	1040	130.6	45.6	60	1.1
8/25/80	3	2.0	62.6	998	131.1	40.8	50	1.1
MEAN		3.9	84.9	1168	138.1	39.9	60	1.0

WAKULLA COUNTY

OTTER LAKE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/07/80	1	6.19	7	0	0	290	44.0	27.5	51.0	1.6	90.5	18.0
1/07/80	2	6.20	7	0	0	280	44.0	28.5	50.0	1.6	90.9	17.0
1/07/80	3	6.14	6	0	0	280	43.0	29.0	49.0	1.6	89.0	12.0
4/24/80	1	4.26	0	0	0	32	3.0	1.5	4.8	0.2	4.5	6.7
4/24/80	2	4.25	0	0	0	34	3.5	1.5	3.4	0.1	4.5	5.8
4/24/80	3	4.24	0	0	0	34	3.5	2.0	2.8	0.1	5.0	6.2
8/07/80	1	4.40	0	0	0	64	7.0	3.0	8.2	0.5	12.5	9.8
8/07/80	2	4.38	0	0	0	68	6.5	3.0	8.1	0.5	12.5	11.2
8/07/80	3	4.37	0	0	0	66	6.5	2.5	8.1	0.5	12.5	8.4
MEAN		4.48	2	0	0	128	17.9	10.9	20.6	0.7	35.8	10.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/07/80	1	3.0	194.5	542	52.0	3.4	200	0.9
1/07/80	2	3.0	195.7	***	54.7	2.3	200	0.9
1/07/80	3	3.0	194.9	583	54.7	2.5	200	0.8
4/24/80	1	0.1	189.9	352	17.4	3.0	225	0.6
4/24/80	2	0.1	192.1	395	16.6	3.1	225	0.8
4/24/80	3	0.1	195.9	374	15.7	3.0	225	0.8
8/07/80	1	1.2	244.6	618	15.8	3.3	225	1.2
8/07/80	2	1.2	236.5	546	15.5	2.9	250	1.2
8/07/80	3	1.2	238.8	532	15.8	2.6	250	1.2
MEAN		1.4	209.2	493	28.7	2.9	222	0.9

OYSTER LAKE WALTON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	7.29	32	0	9000	1175	205	1800	75	3550	162
1/08/80	2	7.25	32	0	9100	1165	200	1900	80	3550	***
1/08/80	3	7.24	32	0	9000	1140	195	1800	79	3400	139
4/23/80	1	6.26	10	0	2200	230	55	370	18	700	150
4/23/80	2	6.25	9	0	2200	232	56	360	18	700	152
4/23/80	3	6.26	9	0	2200	232	57	360	18	700	149
8/06/80	1	6.37	15	0	1780	179	35	320	16	540	109
8/06/80	2	6.40	15	0	1780	179	36	310	16	538	108
8/06/80	3	6.51	15	0	1780	178	34	310	16	543	108
MEAN		648	19	0	4338	523	97	837	37	1580	135

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/08/80	1	1.3	193.0	475	26.7	4.4	125	1.3
1/08/80	2	1.3	190.2	483	32.8	3.8	125	1.3
1/08/80	3	1.3	192.1	483	29.2	4.1	125	1.3
4/23/80	1	2.3	326.0	633	36.7	2.9	300	0.7
4/23/80	2	2.3	326.0	***	39.3	3.0	300	0.7
4/23/80	3	2.3	330.3	575	40.5	2.6	300	0.6
8/06/80	1	0.3	226.0	618	33.9	2.7	200	0.7
8/06/80	2	0.2	233.0	546	28.2	7.2	200	0.7
8/06/80	3	0.2	231.8	567	38.8	5.4	200	0.7
MEAN		1.3	249.8	548	34.0	4.0	208	0.9

LAKE PADGETT PASCO COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	6.93	12	0	132	43.0	30.5	8.4	3.9	16.5	10.0	
1/16/80	2	6.94	12	0	130	43.5	30.0	8.6	3.9	16.3	13.0	
1/16/80	3	6.95	12	0	130	43.5	30.0	8.4	3.8	16.3	12.0	
5/13/80	1	7.41	29	0	144	47.3	31.0	9.2	4.2	17.8	14.0	
5/13/80	2	7.35	28	0	140	47.0	32.3	9.1	4.2	17.5	16.0	
5/13/80	3	7.35	28	0	144	46.3	32.0	9.3	4.3	17.8	14.0	
8/04/80	1	7.96	28	0	130	44.5	30.0	11.0	3.8	18.3	19.7	
8/04/80	2	8.04	29	0	130	45.0	30.0	10.0	3.8	18.0	20.9	
8/04/80	3	8.05	29	0	130	45.0	30.0	11.0	3.8	18.3	20.3	
MEAN		7.25	23	0	134	45.0	30.6	9.4	4.0	17.4	15.5	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/16/80	1	0.1	14.3	517	16.6	2.3	15	4.2
1/16/80	2	0.1	15.4	550	20.4	2.2	15	4.2
1/16/80	3	0.1	15.0	***	23.1	2.2	15	4.2
5/13/80	1	0.1	26.6	438	10.2	3.4	15	2.4
5/13/80	2	0.1	27.9	532	9.8	3.3	15	2.5
5/13/80	3	0.1	24.5	467	10.9	2.6	15	2.5
8/04/80	1	0.3	21.8	603	11.5	2.2	15	4.0
8/04/80	2	0.3	21.6	603	11.7	1.8	15	4.0
8/04/80	3	0.4	21.2	532	12.4	2.0	15	4.0
MEAN		0.2	20.9	530	14.1	2.4	15	3.6

PALESTINE LAKE (SOUTH PRONG POND)

UNION COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	5.03	1	0	39	6.5	3.5	5.1	0.2	20	6.0	4.4
9/08/79	2	5.00	1	0	38	6.5	3.5	4.9	0.2	20	6.3	4.6
9/08/79	3	5.00	1	0	39	6.5	3.0	4.9	0.2	20	6.3	4.4
2/28/80	1	4.93	0	0	32	6.5	3.0	4.3	0.1	30	5.5	4.7
2/28/80	2	4.89	0	0	31	6.5	2.5	4.2	0.1	30	5.8	5.1
2/28/80	3	4.94	0	0	31	6.0	2.5	4.2	0.1	30	5.5	5.5
7/02/80	1	5.07	1	0	33	6.5	4.0	3.8	0.2	30	5.8	9.1
7/02/80	2	5.01	1	0	33	6.5	3.0	3.1	0.1	60	5.8	4.7
7/02/80	3	5.00	1	0	33	6.5	3.0	2.9	0.1	60	5.8	7.8
MEAN		4.98	1	0	34	6.4	3.1	4.2	0.1	37	5.9	5.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/08/79	1	1.6	93.4	431	16.1	1.7	20	1.2
9/08/79	2	1.3	90.6	326	15.1	2.4	20	1.2
9/08/79	3	1.3	92.3	326	11.9	2.5	20	1.2
2/28/80	1	0.4	109.3	200	25.3	4.0	30	0.8
2/28/80	2	0.5	106.7	208	24.6	4.1	30	0.8
2/28/80	3	0.4	111.7	183	23.8	4.6	30	0.8
7/02/80	1	1.1	172.1	325	21.8	4.3	60	1.2
7/02/80	2	1.1	166.8	***	21.1	4.7	60	1.5
7/02/80	3	1.2	163.8	292	22.2	4.0	60	1.5
MEAN		1.0	123.0	286	20.2	3.6	37	1.1

LAKE PANASOFFKEE SUMNER COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/07/79	1	8.15	119	0	0	275	152.0	128.0	5.5	0.0	8.8	21.0
11/07/79	2	8.03	126	0	0	285	151.0	139.0	5.8	0.0	9.0	17.0
11/07/79	3	8.04	137	0	0	295	156.0	145.0	6.0	0.0	9.3	9.7
4/07/80	1	8.40	172	1	1	225	111.5	96.5	6.5	0.1	11.0	20.0
4/07/80	2	8.18	100	0	0	250	128.5	110.0	6.2	0.2	9.5	20.0
4/07/80	3	8.16	99	0	0	250	127.5	109.0	6.2	0.2	10.0	19.0
7/24/80	1	8.74	53	2	2	168	77.0	62.0	4.7	0.3	9.3	31.6
7/24/80	2	8.89	52	3	3	165	76.0	58.5	4.8	0.3	9.3	29.6
7/24/80	3	8.87	52	5	5	168	76.0	58.0	5.3	0.3	10.0	28.8
MEAN		8.28	101	1	1	231	117.3	100.7	5.7	0.2	9.6	21.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/07/79	1	12.1	41.8	625	16.6	2.6	75	B
11/07/79	2	9.7	55.7	458	18.2	2.8	75	B
11/07/79	3	9.7	68.5	425	19.8	1.5	75	B
4/07/80	1	1.6	27.6	716	15.6	3.3	30	B
4/07/80	2	3.4	27.2	608	24.8	3.3	30	B
4/07/80	3	3.3	24.7	575	15.2	3.3	30	B
7/24/80	1	14.2	17.9	582	14.1	5.7	10	B
7/24/80	2	14.0	20.9	***	12.4	5.9	10	B
7/24/80	3	15.7	21.7	675	13.2	4.8	10	B
MEAN		9.3	34.0	583	16.7	3.7	38	***

LAKE PARKER POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	8.78	69	3	210	92.0	72.5	12.0	2.1	19.0	18.0
1/17/80	2	8.80	69	2	210	92.0	72.5	12.0	2.1	18.8	21.0
1/17/80	3	8.81	69	3	210	92.0	72.5	12.0	2.1	18.5	15.0
5/14/80	1	8.91	65	7	225	100.0	81.0	14.0	2.5	20.5	20.0
5/14/80	2	9.00	73	8	220	100.0	81.0	13.0	2.5	21.0	20.0
5/14/80	3	9.02	76	8	260	100.0	81.0	13.0	2.5	21.3	****
8/05/80	1	9.10	63	9	200	94.0	72.0	14.0	2.5	20.8	25.3
8/05/80	2	9.03	64	8	200	92.0	72.0	14.0	2.5	21.0	29.4
8/05/80	3	9.10	63	8	200	94.0	74.0	15.0	2.5	21.0	23.7
MEAN		8.93	68	6	215	95.1	75.4	13.2	2.4	20.2	21.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	0.5	73.2	1970	111.6	46.0	15	0.4
1/17/80	2	0.5	67.4	1960	107.5	49.3	15	0.4
1/17/80	3	0.5	54.2	1750	95.1	43.9	15	0.4
5/14/80	1	0.1	121.8	983	60.4	9.3	30	0.5
5/14/80	2	0.1	120.8	1200	64.3	9.4	25	0.5
5/14/80	3	0.1	138.9	1591	69.5	9.3	25	0.5
8/05/80	1	0.3	109.8	1610	70.2	45.9	25	0.6
8/05/80	2	0.2	107.6	1430	62.4	43.8	25	0.6
8/05/80	3	0.2	103.3	1600	67.7	46.2	25	0.6
MEAN		0.3	99.7	1566	78.7	33.7	22	0.5

PASCO COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/15/80	1	6.36	6	0	95	25.0	10.0	7.1	1.8	18.8	9.8	
1/15/80	2	6.34	7	0	94	25.0	10.0	7.4	1.8	18.8	10.0	
1/15/80	3	6.37	7	0	94	25.5	10.5	7.6	1.9	18.8	18.0	
5/13/80	1	6.50	6	0	100	27.0	13.0	7.7	1.9	20.5	8.3	
5/13/80	2	6.44	6	0	100	27.0	12.5	7.6	1.9	20.5	8.4	
5/13/80	3	6.47	5	0	100	27.0	12.3	7.6	1.9	20.3	8.1	
8/04/80	1	6.50	7	0	86	25.0	10.5	8.7	1.8	21.5	6.0	
8/04/80	2	6.36	6	0	86	24.5	11.5	8.5	1.7	21.0	5.7	
8/04/80	3	6.39	5	0	86	25.0	12.5	8.6	1.7	21.0	5.8	
MEAN		6.41	6	0	93	25.7	11.4	7.9	1.8	20.1	8.9	

LAKE PASADENA

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/15/80	1	0.1	97.1	858	28.8	5.0	60	1.0
1/15/80	2	0.1	91.7	858	29.0	6.0	60	1.0
1/15/80	3	0.1	89.6	808	26.1	4.4	60	1.0
5/13/80	1	0.1	89.7	700	28.0	9.7	60	1.2
5/13/80	2	0.1	93.8	725	34.9	8.0	60	1.2
5/13/80	3	0.1	91.6	666	26.2	8.8	60	1.2
8/04/80	1	0.2	66.3	900	23.1	12.0	45	1.5
8/04/80	2	0.2	83.7	858	23.6	12.0	45	1.5
8/04/80	3	0.2	84.1	791	23.1	12.6	45	1.5
MEAN		0.1	87.5	796	27.0	8.7	55	1.2

PATE POND WASHINGTON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/06/79	1	4.71	1	0	19	3.0	2.0	2.1	0.3	2.0	2.8	
12/06/79	2	4.69	1	0	20	3.0	2.0	1.9	0.3	2.0	0.0	
12/06/79	3	4.68	1	0	20	3.0	2.0	2.0	0.3	2.0	0.0	
4/22/80	1	4.53	0	0	21	2.5	1.0	1.6	0.1	2.3	6.1	
4/22/80	2	4.53	0	0	21	2.5	1.0	1.7	0.1	2.5	5.8	
4/22/80	3	4.52	0	0	22	3.0	1.0	1.8	0.1	2.3	4.4	
8/05/80	1	4.73	1	0	19	2.2	1.3	2.1	0.3	3.3	6.3	
8/05/80	2	4.64	0	0	18	2.3	1.4	1.9	0.3	3.3	7.5	
8/05/80	3	4.62	0	0	20	2.1	1.2	2.1	0.3	3.0	8.6	
MEAN		4.62	0	0	20	2.6	1.4	1.9	0.2	2.5	4.6	

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DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI
12/06/79	1	0.1	94.2	396	30.6	11.1	35	1.4
12/06/79	2	0.1	91.9	352	18.4	12.8	40	1.4
12/06/79	3	0.1	88.4	334	17.9	10.0	40	1.5
4/22/80	1	0.4	105.2	283	9.1	2.6	50	1.3
4/22/80	2	0.4	106.9	258	8.6	3.1	60	1.3
4/22/80	3	0.4	109.4	292	9.5	3.0	50	1.3
8/05/80	1	0.4	109.8	251	10.5	2.9	15	2.5
8/05/80	2	0.3	113.6	273	12.8	3.1	15	2.4
8/05/80	3	0.3	109.8	237	9.4	2.4	15	2.4
MEAN		0.3	103.2	297	14.1	5.7	36	1.7

LAKE PIERCE POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.57	34	0	110	47.0	30.5	5.7	2.7	9.3	11.0
1/30/80	2	7.77	34	0	110	47.0	31.0	6.8	2.4	9.8	11.0
1/30/80	3	7.63	34	0	108	46.5	30.5	5.7	2.7	9.5	7.7
6/01/80	1	7.56	38	0	124	48.5	32.0	4.9	3.7	10.3	10.0
6/01/80	2	7.50	37	0	124	49.0	31.5	4.9	3.7	10.5	13.0
6/01/80	3	7.72	38	0	124	49.5	32.5	4.9	3.3	10.3	8.0
8/20/80	1	9.14	42	4	128	52.0	37.0	5.6	3.5	11.0	13.0
8/20/80	2	9.16	42	4	126	52.0	36.0	5.6	3.5	11.0	13.0
8/20/80	3	9.14	38	5	217	52.0	35.0	5.6	3.5	11.0	11.0
MEAN		7.79	37	1	120	49.3	32.9	5.5	3.2	10.3	10.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI m
1/30/80	1	0.6	56.5	1020	45.7	26.6	40	1.0
1/30/80	2	0.7	53.9	1040	47.8	34.9	40	1.0
1/30/80	3	0.5	52.6	1100	47.8	30.5	40	1.0
6/01/80	1	1.7	39.3	927	32.6	13.4	20	0.9
6/01/80	2	1.7	38.8	919	29.6	15.3	25	0.9
6/01/80	3	1.5	38.0	970	42.0	26.0	25	0.8
8/20/80	1	3.2	39.3	1600	38.6	17.4	25	0.4
8/20/80	2	3.1	43.6	1580	40.6	19.7	20	0.4
8/20/80	3	2.7	36.7	1320	31.1	19.0	20	0.4
MEAN		1.7	44.3	1164	39.5	22.5	28	0.8

HIGHLANDS COUNTY

LAKE PLACID

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	6.39	4	0	56	13.5	7.5	5.9	1.2	9.3	11.0	11.0	
1/31/80	2	6.48	4	0	53	13.0	7.5	6.3	1.3	9.3	11.0	11.0	
1/31/80	3	6.48	5	0	54	13.5	6.0	5.8	1.2	9.3	8.9	8.9	
6/02/80	1	6.54	4	0	60	14.0	7.0	5.0	1.1	10.3	11.0	11.0	
6/02/80	2	6.31	4	0	60	14.5	6.0	5.0	1.1	10.3	13.0	13.0	
6/02/80	3	6.67	4	0	60	14.5	6.0	5.0	1.1	10.3	9.0	9.0	
8/21/80	1	6.88	3	0	61	14.5	6.0	5.7	1.3	10.5	15.0	15.0	
8/21/80	2	6.80	4	0	61	14.0	6.0	5.8	1.3	10.8	17.0	17.0	
8/21/80	3	6.81	4	0	61	14.0	6.0	5.7	1.3	10.3	14.0	14.0	
MEAN		6.56	4	0	58	13.9	6.4	5.6	1.2	10.0	12.2	12.2	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/31/80	1	0.5	22.9	1000	11.0	4.4	5	2.7
1/31/80	2	0.4	19.1	991	25.3	3.7	5	2.7
1/31/80	3	0.4	25.0	1140	17.1	3.4	5	2.7
6/02/80	1	0.2	14.6	237	12.1	3.9	10	1.8
6/02/80	2	0.2	15.9	273	14.2	2.6	10	1.9
6/20/80	3	0.2	14.1	244	11.7	3.1	10	1.9
8/21/80	1	0.4	17.3	345	9.1	12.3	5	2.1
8/21/80	2	0.4	17.9	295	7.0	10.7	5	2.1
8/21/80	3	0.4	18.6	374	9.1	11.8	5	2.0
MEAN		0.3	18.4	544	13.0	6.2	7	2.2

LAKE POINSETT                      BREVARD COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	7.75	56	0	500	144.5	104.5	60	3.3	126	42	
1/31/80	2	7.76	56	0	490	142.5	104.5	56	3.3	121	40	
1/31/80	3	7.79	56	0	460	135.0	102.5	53	3.3	113	32	
6/03/80	1	7.77	54	0	740	184.5	136.5	96	3.2	203	71	
6/03/80	2	7.57	54	0	720	185.5	134.5	96	3.3	198	74	
6/03/80	3	7.80	59	0	740	186.0	135.5	95	3.2	195	65	
8/21/80	1	7.26	59	0	1320	287.0	199.0	182	6.8	360	110	
8/21/80	2	7.65	62	0	1280	288.0	198.0	176	6.6	358	100	
8/21/80	3	8.28	64	0	1330	292.0	199.0	185	6.9	375	91	
MEAN		7.67	58	0	842	205.0	146.0	111	4.4	228	69	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/l	TOTAL Cu mg/l	TOTAL Pb mg/l	CHLORO-PHYLL mg/l	COLOR mg/l Pt	SECCHI #
1/31/80	1	5.8	390.3	1510	78.5	10.5	150	0.5
1/31/80	2	6.1	238.8	1330	66.2	11.3	150	0.5
1/31/80	3	6.2	228.0	1480	27.3	10.6	150	0.5
6/03/80	1	1.0	100.6	898	29.4	1.9	75	B
6/03/80	2	1.2	103.4	898	33.2	2.2	75	B
6/03/80	3	1.5	106.0	776	25.0	2.3	75	B
8/21/80	1	5.7	245.6	1010	55.1	13.6	60	0.7
8/21/80	2	6.4	238.2	1170	60.7	16.3	50	0.7
8/21/80	3	5.8	224.9	1160	66.6	16.7	60	0.6
MEAN		4.4	208.4	1137	49.1	9.5	94	0.6

RED BEACH LAKE HIGHLANDS COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	6.69	5	0	0	57	14.5	10.0	5.7	1.3	9.8	9.5
1/30/80	2	6.67	4	0	0	57	15.5	10.0	5.9	1.3	9.5	9.3
1/30/80	3	6.67	4	0	0	56	14.5	9.5	7.1	0.9	9.8	8.7
6/02/80	1	6.65	4	0	0	60	15.0	7.5	5.0	1.2	10.5	9.5
6/02/80	2	6.58	5	0	0	60	15.0	6.5	5.0	1.2	10.5	8.4
6/02/80	3	6.58	5	0	0	60	15.0	6.5	5.0	1.2	10.8	12.0
8/20/80	1	6.71	5	0	0	61	14.0	8.0	5.7	1.4	10.8	10.0
8/20/80	2	6.94	4	0	0	60	14.0	7.0	5.7	1.5	11.0	13.0
8/20/80	3	6.93	5	0	0	60	13.5	7.0	5.7	1.4	11.3	11.0
MEAN		6.70	5	0	0	59	14.6	8.0	5.6	1.3	10.4	10.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/30/80	1	1.6	96.4	542	17.1	11.4	30	1.0
1/30/80	2	1.5	98.5	558	17.1	13.0	30	1.0
1/30/80	3	1.6	95.5	591	15.1	10.3	30	1.0
6/02/80	1	0.6	141.1	408	23.8	10.5	35	0.9
6/02/80	2	0.6	144.8	392	23.0	7.9	35	0.9
6/02/80	3	0.6	146.1	359	11.5	8.8	35	0.8
8/20/80	1	1.2	102.1	445	14.1	10.7	25	1.4
8/20/80	2	0.7	99.1	374	11.0	9.3	30	1.4
8/20/80	3	1.1	102.7	366	14.3	7.1	25	1.4
MEAN		1.1	114.0	448	16.3	9.9	31	1.1

REEDY LAKE POLK COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	7.48	25	0	178	63.5	34.5	9.5	5.2	15.8	44.0
1/17/80	2	7.48	25	0	175	63.5	34.0	9.8	5.3	15.5	44.0
1/17/80	3	7.48	25	0	175	63.5	34.0	9.7	5.4	15.5	41.0
5/14/80	1	8.67	28	0	185	66.0	38.0	10.0	5.2	16.5	46.0
5/14/80	2	8.65	27	0	185	66.0	37.0	10.0	5.3	16.3	44.0
5/14/80	3	8.65	27	0	185	67.0	37.0	9.8	5.2	16.3	44.0
8/05/80	1	9.19	26	5	160	65.0	38.0	12.0	4.9	16.5	45.8
8/05/80	2	9.18	25	4	160	64.0	40.0	12.0	4.9	16.5	44.1
8/05/80	3	9.18	25	4	160	63.0	38.0	12.0	4.8	16.5	42.5
MEAN		7.92	26	1	174	64.6	36.7	10.5	5.1	16.2	43.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI E
1/17/80	1	6.5	90.5	1610	31.7	36.9	5	0.5
1/17/80	2	6.4	90.0	1610	42.7	36.6	5	0.5
1/17/80	3	6.5	89.4	***	39.4	41.0	5	0.5
5/14/80	1	5.1	70.7	733	23.4	13.3	10	0.7
5/14/80	2	5.2	63.3	750	18.9	14.2	10	0.7
5/14/80	3	5.2	97.9	***	17.4	13.5	10	0.7
8/05/80	1	0.2	106.6	1160	26.3	31.5	10	0.8
8/05/80	2	0.1	99.9	848	25.5	31.5	10	0.8
8/05/80	3	0.1	101.2	1110	25.7	27.1	10	0.7
MEAN		3.9	89.9	1117	27.9	27.3	8	0.7

LAKE ROSALIE POLK COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	CHLORO- PHYLL mg/m <sup>3</sup>	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.03	9	0	74	24.0	12.0	7.2	1.2	12.0	12.0	9.6	12.0	9.6
1/30/80	2	7.03	10	0	74	23.5	11.5	7.2	1.2	12.0	12.0	8.0	12.0	8.0
1/30/80	3	7.02	9	0	74	24.0	12.0	7.3	1.2	12.0	11.8	7.9	11.8	7.9
6/02/80	1	6.98	9	0	88	25.5	15.5	6.3	1.2	14.5	12.5	14.0	12.5	14.0
6/02/80	2	6.95	9	0	86	25.5	14.5	6.3	1.2	14.0	12.8	11.0	12.8	11.0
6/02/80	3	6.94	9	0	84	26.0	14.0	6.3	1.2	19.0	13.0	12.0	13.0	12.0
8/20/80	1	7.09	10	0	88	25.0	19.0	7.3	1.4	18.0	13.0	20.0	13.0	20.0
8/20/80	2	6.75	9	0	88	24.0	18.0	7.3	1.4	18.0	13.0	16.0	13.0	16.0
8/20/80	3	7.14	10	0	88	24.0	18.0	7.3	1.4	18.0	13.0	16.0	13.0	16.0
MEAN		6.98	9	0	83	24.6	14.9	6.9	1.3	14.9	12.5	12.7	12.5	12.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI m
1/30/80	1	2.3	654.8	783	11.0	4.3	75	0.7
1/30/80	2	2.3	625.1	833	8.9	3.6	75	0.8
1/30/80	3	2.3	633.6	700	8.9	4.0	75	0.8
6/02/80	1	2.5	713.3	697	13.5	3.7	83	0.8
6/02/80	2	2.5	719.9	747	12.1	3.7	75	0.8
6/02/80	3	2.5	711.2	675	****	4.6	83	0.7
8/20/80	1	1.4	539.6	438	25.5	4.6	50	1.7
8/20/80	2	1.5	548.1	488	28.2	5.1	50	1.7
8/20/80	3	1.4	539.6	582	30.3	4.8	50	1.6
MEAN		2.1	631.7	660	17.3	4.3	68	1.1

ROUND LAKE JACKSON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/04/79	1	6.28	4	0	0	25	7.0	5.0	2.3	0.4	3.3	3.7
12/04/79	2	6.26	4	0	0	25	7.0	5.0	2.2	0.4	3.3	3.8
12/04/79	3	6.20	4	0	0	25	6.5	6.0	2.2	0.4	3.3	3.5
4/21/80	1	6.49	4	0	0	26	6.5	4.5	2.0	0.4	3.3	6.5
4/21/80	2	6.40	4	0	0	25	6.5	4.0	2.0	0.4	3.0	5.9
4/21/80	3	6.35	4	0	0	25	6.5	3.5	2.0	0.4	3.0	7.0
8/04/80	1	6.30	5	0	0	25	6.0	4.5	1.4	0.6	3.3	9.2
8/04/80	2	6.36	5	0	0	25	5.5	5.0	1.4	0.5	3.3	10.7
8/04/80	3	6.14	5	0	0	25	6.0	4.5	1.4	0.5	3.0	9.5
MEAN		6.30	4	0	0	25	6.4	4.7	1.9	0.4	3.2	6.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/04/79	1	0.1	167.9	194	7.3	0.7	0	4.9
12/04/79	2	0.1	175.0	194	0.0	0.8	0	4.9
12/04/79	3	0.1	175.9	140	1.5	0.9	0	5.0
4/21/80	1	0.1	41.2	167	10.1	0.7	0	5.2
4/21/80	2	0.1	41.6	108	5.2	0.7	0	5.2
4/21/80	3	0.1	50.5	150	4.4	0.7	0	5.0
8/04/80	1	0.0	59.7	208	7.9	0.9	0	4.0
8/04/80	2	0.0	59.5	208	6.3	1.1	0	4.1
8/04/80	3	0.0	62.7	151	5.6	1.1	0	4.1
MEAN		0.1	92.6	169	5.4	0.8	0	4.7

LEVEY/MARION/CITRUS COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/07/79	1	7.00	84	0	0	185	99.0	88.0	4.4	0.3	7.0	0.0
11/07/79	2	7.01	84	0	0	190	99.0	88.5	4.3	0.2	6.8	0.0
11/07/79	3	7.05	84	0	0	190	99.0	90.5	4.4	0.2	6.8	0.0
4/07/80	1	7.38	98	0	0	220	119.5	103.0	5.0	0.4	6.5	13.0
4/07/80	2	7.41	100	0	0	220	120.5	103.5	5.0	0.4	6.8	12.0
4/07/80	3	7.42	99	0	0	220	120.0	104.0	4.7	0.3	7.0	9.5
7/24/80	1	7.52	94	0	0	220	110.5	92.0	3.9	0.2	5.3	16.8
7/24/80	2	7.52	94	0	0	215	111.0	93.0	2.8	0.2	5.3	16.9
7/24/80	3	7.53	93	0	0	220	111.0	93.0	2.6	0.2	5.3	14.1
MEAN		7.26	92	0	0	209	109.9	95.1	4.1	0.3	6.3	9.1

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL. mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/07/79	1	7.3	324.9	358	64.6	0.4	150	1.1
11/07/79	2	7.7	331.8	716	25.5	0.4	150	1.1
11/07/79	3	7.6	328.7	442	57.5	0.4	150	1.2
4/07/80	1	5.9	98.3	508	20.5	1.4	40	2.4
4/07/80	2	5.9	98.3	500	16.2	1.3	40	2.6
4/07/80	3	5.9	91.9	433	60.8	1.4	40	2.6
7/24/80	1	6.9	57.4	395	59.4	6.1	20	2.5
7/24/80	2	6.9	63.7	431	65.8	4.7	20	2.5
7/24/80	3	7.0	58.2	374	60.4	4.5	20	2.5
MEAN		6.8	161.5	462	47.9	2.3	70	2.1

LAKE ROWELL BRADFORD COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	7.76	31	0	250	75.0	68.0	24.0	1.1	9.3	103.0
9/08/79	2	7.78	32	0	250	75.0	65.8	23.0	1.1	9.3	103.0
9/08/79	3	7.74	31	0	250	75.0	67.0	23.0	1.1	9.5	103.0
2/27/80	1	7.15	17	0	136	49.5	40.0	12.0	0.6	9.0	53.0
2/27/90	2	7.18	17	0	136	50.0	39.5	12.0	0.6	9.5	51.0
2/27/80	3	7.23	17	0	136	50.0	39.5	12.0	0.7	9.3	44.0
7/02/80	1	7.35	23	0	218	73.0	60.5	19.0	1.0	9.0	95.5
7/02/80	2	7.32	25	0	227	72.5	60.5	20.0	1.0	9.0	90.9
7/02/80	3	7.42	27	0	225	72.5	60.0	19.0	1.0	9.3	89.7
MEAN		7.38	24	0	203	65.8	55.6	18.2	0.9	9.2	81.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a <sub>1</sub> mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/08/79	1	2.7	74.9	***	54.9	15.0	30	1.0
9/08/79	2	1.5	78.7	581	59.0	12.7	30	1.0
9/08/79	3	1.5	81.7	854	59.0	13.5	30	0.9
2/27/80	1	4.5	272.5	708	75.2	19.7	70	0.6
2/27/80	2	4.5	279.1	741	41.3	21.8	70	0.6
2/27/80	3	4.6	296.8	741	74.3	19.1	70	0.6
7/02/80	1	3.6	157.9	611	71.6	3.7	40	0.8
7/02/80	2	3.6	190.6	740	77.8	3.0	40	0.8
7/02/80	3	3.5	189.5	769	77.6	3.0	40	0.7
MEAN		3.3	180.2	718	65.6	12.4	47	0.8

BRADFORD COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/08/79	1	7.14	12	0	43.0	160	37.5	15.0	0.9	9.0	59.0	
9/08/79	2	7.17	12	0	43.0	160	38.0	15.0	0.9	9.0	59.0	
9/08/79	3	7.18	12	0	43.0	160	38.0	16.0	0.9	8.8	59.0	
2/27/80	1	6.83	9	0	35.0	98	27.0	10.0	0.5	8.0	33.0	
2/27/80	2	6.81	9	0	33.5	97	25.5	9.8	0.5	7.8	35.0	
2/27/80	3	6.83	8	0	34.0	98	25.5	9.9	0.5	8.0	35.0	
7/02/80	1	6.76	10	0	33.5	112	26.0	11.0	0.8	8.0	39.4	
7/02/80	2	6.77	10	0	33.5	115	26.5	10.0	0.8	8.3	35.3	
7/02/80	3	6.75	10	0	34.0	112	26.0	11.0	0.8	8.5	34.8	
MEAN		6.88	10	0	36.9	124	30.0	12.0	0.7	8.4	43.3	

LAKE SAMPSON

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
9/08/79	1	0.5	43.6	484	12.9	3.3	25	2.6
9/08/79	2	0.5	37.6	475	12.9	4.0	25	2.6
9/08/79	3	0.5	37.2	528	12.3	3.6	30	2.6
2/27/80	1	3.1	198.2	641	59.8	2.9	90	1.3
2/27/80	2	3.0	215.0	658	62.2	3.1	90	1.3
2/27/80	3	3.0	213.7	700	48.1	2.9	90	1.6
7/02/80	1	1.1	210.6	467	30.2	2.2	83	2.0
7/02/80	2	1.1	218.0	333	32.9	3.9	83	2.0
7/02/80	3	1.1	219.5	408	32.7	4.9	83	2.0
MEAN		1.5	154.8	522	33.8	3.4	67	2.0

SANTA FE LAKE ALACHUA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/05/79	1	6.03	3	0	0	48	9.0	5.0	5.9	0.4	9.8	5.5
9/05/79	2	6.05	3	0	0	46	10.0	5.0	6.0	0.4	9.5	5.1
9/05/79	3	6.05	3	0	0	47	10.0	5.0	6.1	0.4	9.5	4.6
2/26/80	1	5.76	2	0	0	49	9.5	5.5	6.4	0.1	9.5	5.8
2/26/80	2	5.94	2	0	0	49	10.0	5.0	6.3	0.1	9.3	6.1
2/26/80	3	5.98	2	0	0	49	10.0	5.5	6.2	0.1	9.5	5.8
6/30/80	1	6.38	4	0	0	52	10.5	5.5	7.9	0.3	10.0	9.4
6/30/80	2	6.38	4	0	0	52	10.5	5.5	7.7	0.3	9.8	7.8
6/30/80	3	5.94	3	0	0	52	10.5	6.0	8.3	0.3	10.0	9.6
MEAN		6.02	3	0	0	49	10.0	5.3	6.8	0.3	9.7	6.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/05/79	1	0.1	99.1	299	11.0	7.0	35	1.8
9/05/79	2	0.1	100.9	246	11.0	5.8	30	1.8
9/05/79	3	0.1	100.6	264	9.5	5.6	35	1.9
2/26/80	1	0.1	70.6	391	33.1	4.5	30	2.1
2/26/80	2	0.1	60.9	408	32.4	5.1	30	2.1
2/26/80	3	0.1	60.9	467	36.1	4.0	30	2.1
6/30/80	1	0.1	86.8	425	4.5	5.8	40	2.5
6/30/80	2	0.1	85.5	358	4.7	5.3	30	2.5
6/30/80	3	0.0	86.6	367	4.7	5.8	40	2.6
MEAN		0.1	83.5	358	16.3	5.4	33	2.2

HIGHLANDS COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	5.63	3	0	48	13.0	7.0	5.5	0.8	8.3	6.8	
1/30/80	2	5.57	3	0	49	13.0	7.0	5.3	0.8	8.5	7.1	
1/30/80	3	5.71	2	0	48	14.0	7.0	5.3	0.8	8.3	5.7	
6/02/80	1	5.72	4	0	56	13.5	7.5	4.5	0.8	8.5	11.0	
6/02/80	2	5.66	2	0	58	13.5	7.0	4.5	0.8	8.5	12.0	
6/02/80	3	5.63	2	0	58	14.0	7.5	4.4	0.8	8.5	8.1	
8/20/80	1	6.08	2	0	55	13.0	8.0	5.3	1.0	9.5	15.0	
8/20/80	2	6.03	2	0	57	13.0	8.0	5.2	1.0	9.5	15.0	
8/20/80	3	6.07	2	0	57	13.0	9.0	5.2	1.0	9.3	11.0	
MEAN		5.75	2	0	54	13.3	7.6	5.0	0.9	8.8	10.2	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/1 Pt	SECCHI #
1/30/80	1	2.3	368.9	950	5.5	150	0.1
1/30/80	2	2.1	377.6	966	6.8	150	0.1
1/30/80	3	2.2	372.3	883	6.5	150	0.1
6/02/80	1	2.1	219.2	725	2.9	150	0.4
6/02/80	2	2.1	218.7	682	3.2	150	0.5
6/02/80	3	2.1	220.1	661	3.7	150	0.5
8/20/80	1	0.8	136.1	431	***	100	0.5
8/20/80	2	0.7	141.6	467	8.1	100	0.5
8/20/80	3	0.7	140.3	445	8.1	100	0.5
MEAN		1.7	243.9	690	5.6	133	0.4

MARION/LAKE COUNTY

SELLERS LAKE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/15/79	1	4.84	1	0	38	5.0	2.5	4.5	0.3	6.4	4.2
9/15/79	2	4.84	1	0	39	4.8	2.5	4.5	0.3	6.4	4.0
9/15/79	3	4.85	1	0	38	5.0	2.5	4.5	0.3	6.4	3.8
3/06/80	1	4.89	0	0	35	5.5	3.5	5.2	0.1	6.5	5.3
3/06/80	2	4.94	0	0	36	5.5	3.5	5.2	0.1	6.5	5.8
3/06/80	3	4.94	0	0	35	5.0	2.0	5.2	0.1	6.5	5.0
7/16/80	1	4.89	1	0	37	5.0	1.5	4.0	0.3	6.5	12.8
7/16/80	2	4.81	1	0	37	5.0	1.5	4.0	0.3	7.0	11.0
7/16/80	3	4.81	1	0	37	5.0	1.5	4.0	0.3	7.0	8.7
MEAN		4.87	1	0	37	5.1	2.3	4.6	0.2	6.6	6.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/15/79	1	0.0	29.8	194	0.1	2.3	5	6.2
9/15/79	2	0.0	26.2	229	1.8	3.8	5	6.3
9/15/79	3	0.0	25.5	246	0.5	3.4	5	6.3
3/06/80	1	0.0	15.7	258	10.7	0.6	0	6.1
3/06/80	2	0.0	12.5	225	12.9	0.4	0	6.1
3/06/80	3	0.0	14.6	258	****	0.6	0	6.0
7/16/80	1	0.1	32.8	317	3.2	1.6	3	5.0
7/16/80	2	0.0	35.1	300	3.8	2.0	3	5.0
7/16/80	3	0.1	31.4	267	1.5	3.0	3	4.9
MEAN		0.0	24.8	255	4.3	2.0	3	5.8

LAKE SEMINOLE GADSDEN/JACKSON COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/04/79	1	6.91	20	0	71	19.0	16.0	7.5	1.7	4.0	5.4	
12/04/79	2	6.77	19	0	71	20.0	16.0	7.8	1.7	4.0	6.3	
12/04/79	3	6.82	19	0	72	19.0	17.5	7.8	1.7	4.0	5.6	
4/21/80	1	7.02	16	0	56	18.5	14.0	3.7	1.3	2.5	10.0	
4/21/80	2	6.99	15	0	53	17.5	13.0	3.4	1.2	2.5	7.8	
4/21/80	3	7.02	16	0	54	18.5	13.5	3.7	1.1	2.5	8.9	
8/04/80	1	6.60	26	0	72	22.5	19.0	6.9	1.4	3.0	16.0	
8/04/80	2	6.65	25	0	72	23.0	19.5	5.9	1.4	3.5	16.7	
8/04/80	3	6.80	25	0	72	22.0	19.5	5.6	1.5	3.3	15.0	
MEAN		6.82	20	0	66	20.0	16.4	5.8	1.4	3.3	10.2	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/04/79	1	5.8	296.2	563	32.1	14.3	10	0.5
12/04/79	2	5.7	290.1	563	31.0	9.7	10	0.5
12/04/79	3	5.7	356.9	563	40.0	10.6	10	0.5
4/21/80	1	6.9	1246.5	600	75.4	8.2	30	0.3
4/21/80	2	7.0	934.0	533	52.1	10.6	30	0.3
4/21/80	3	7.0	*****	600	35.4	10.6	30	0.3
8/04/80	1	6.5	340.9	510	47.6	10.9	20	0.7
8/04/80	2	6.4	276.1	352	38.8	9.7	20	0.7
8/04/80	3	6.4	392.5	338	39.8	****	20	0.6
MEAN		6.4	516.7	514	43.6	10.6	20	0.5

PINELLAS COUNTY

LAKE SEMINOLE

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	8.77	109	0	400	98.0	64.0	33	5.5	58.0	49.0	
1/16/80	2	8.76	109	0	410	97.5	63.5	32	5.6	58.0	46.0	
1/16/80	3	8.75	110	0	410	97.5	63.0	31	5.5	58.3	42.0	
5/13/80	1	8.65	86	3	440	146.0	118.5	38	6.8	72.5	55.0	
5/13/80	2	8.65	86	3	450	146.0	116.0	37	6.6	72.5	52.0	
5/13/80	3	8.59	86	3	450	146.5	111.0	37	6.7	70.0	53.0	
8/04/80	1	8.94	75	8	360	132.0	100.0	41	6.5	69.3	49.7	
8/04/80	2	8.86	77	6	360	134.0	100.0	41	6.5	69.8	46.1	
8/04/80	3	8.86	76	7	360	132.0	100.0	41	6.5	69.5	44.0	
MEAN		8.75	90	3	404	125.5	92.9	37	6.2	66.4	48.5	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/16/80	1	1.3	115.4	1750	124.9	90.6	15	0.2
1/16/80	2	1.4	130.1	2170	155.5	61.2	15	0.3
1/16/80	3	1.4	109.5	1710	154.6	65.7	15	0.3
5/13/80	1	0.3	352.8	1970	173.7	60.4	40	0.2
5/13/80	2	0.2	364.5	1920	157.7	50.6	45	0.2
5/13/80	3	0.2	362.5	2110	121.0	44.7	40	0.2
8/04/80	1	0.8	222.4	1690	71.7	73.3	20	0.5
8/04/80	2	0.9	227.5	1680	72.3	67.3	25	0.5
8/04/80	3	0.9	221.1	1920	70.6	70.2	25	0.5
MEAN		0.8	234.0	1880	122.4	64.9	27	0.3

SMITH LAKE MARION COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
9/15/79	1	5.24	1	0	64	11.5	5.3	6.5	0.9	10	10.9	8.0
9/15/79	2	5.20	1	0	63	11.3	4.8	6.2	0.9	10	10.5	7.3
9/15/79	3	5.21	1	0	64	11.3	4.8	6.2	0.9	10	10.4	7.1
3/06/80	1	5.50	2	0	66	12.0	7.0	7.1	0.6	10	10.5	8.1
3/06/80	2	5.52	1	0	62	13.0	6.5	7.0	0.6	10	10.5	8.8
3/06/80	3	5.50	2	0	63	12.0	6.0	6.9	0.6	10	10.5	8.6
7/16/80	1	5.50	2	0	60	12.0	6.0	6.3	0.8	10	10.8	17.5
7/16/80	2	5.49	2	0	60	12.0	5.5	6.5	0.8	10	10.8	14.9
7/16/80	3	5.39	2	0	60	12.0	5.5	5.8	0.8	10	10.8	14.5
MEAN		5.37	2	0	62	11.9	5.7	6.5	0.8	10	10.6	10.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/15/79	1	0.0	29.8	299	2.9	3.2	10	3.5
9/15/79	2	0.0	28.1	317	6.1	2.7	10	3.5
9/15/79	3	0.0	29.8	290	4.2	2.7	10	3.4
3/06/80	1	0.0	26.5	542	24.0	1.3	10	2.0
3/06/80	2	0.0	33.6	500	23.8	1.0	10	2.0
3/06/80	3	0.0	31.8	417	20.3	1.1	10	2.2
7/16/80	1	0.1	35.3	400	7.2	3.8	10	3.0
7/16/80	2	0.1	32.0	400	6.4	2.8	10	3.0
7/16/80	3	0.1	34.5	367	4.9	2.8	10	3.0
MEAN		0.0	31.2	392	11.1	2.4	10	2.8

LAKE STANLEY WALTON COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	6.14	2	0	18	3.5	2.0	2.6	0.2	3.0	0.0
1/08/80	2	6.14	2	0	18	3.5	2.0	2.7	0.2	3.0	0.0
1/08/80	3	6.14	2	0	18	3.5	2.0	3.1	0.1	3.0	0.0
4/22/80	1	6.33	4	0	19	4.5	3.5	2.5	0.3	3.0	5.5
4/22/80	2	6.34	3	0	19	4.0	2.5	2.4	0.3	3.0	5.4
4/22/80	3	6.34	3	0	19	4.0	2.0	2.5	0.3	3.0	7.7
8/06/80	1	5.84	3	0	26	4.9	2.9	3.1	0.5	3.5	7.2
8/06/80	2	5.88	3	0	25	5.0	2.7	3.0	0.5	3.5	9.7
8/06/80	3	5.78	3	0	22	4.8	2.3	3.0	0.5	3.3	6.5
MEAN		6.05	3	0	20	4.2	2.4	2.8	0.3	3.1	4.7

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DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/08/80	1	0.2	50.4	392	18.6	6.2	10	1.9
1/08/80	2	0.2	49.8	375	17.3	5.5	10	2.0
1/08/80	3	0.2	51.3	375	18.2	4.8	10	2.0
4/22/80	1	0.2	42.0	292	8.8	1.5	10	2.7
4/22/80	2	0.2	42.9	267	8.0	2.1	10	2.7
4/22/80	3	0.2	43.7	275	6.7	1.7	10	2.5
8/06/80	1	0.2	83.2	381	7.1	2.6	5	2.9
8/06/80	2	0.3	84.3	395	7.5	2.8	5	3.0
8/06/80	3	0.1	86.9	359	7.9	2.4	5	3.0
MEAN		0.2	59.4	346	11.1	3.3	8	2.5

LAKE STELLA PUTNAM COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/10/79	1	7.06	16	0	0	235	69.5	39.0	16.0	7.6	25.8	66.0
10/10/79	2	7.05	16	0	0	235	69.0	39.0	16.0	7.4	25.5	59.0
10/10/79	3	7.07	16	0	0	235	69.0	39.0	16.0	7.5	25.5	63.0
3/17/80	1	7.47	14	0	0	240	73.5	42.5	17.0	8.7	27.5	66.0
3/17/80	2	7.45	15	0	0	240	73.0	42.0	16.0	8.8	27.3	67.0
3/17/80	3	7.39	15	0	0	240	73.0	42.5	17.0	8.8	27.3	67.0
7/09/80	1	6.75	17	0	0	240	73.5	44.0	17.0	8.7	27.8	57.6
7/09/80	2	6.75	15	0	0	240	74.5	44.0	17.0	8.7	28.0	53.3
7/09/80	3	6.72	17	0	0	245	74.5	44.0	16.0	8.7	28.0	50.0
MEAN		6.99	16	0	0	239	72.2	41.8	16.4	8.3	27.0	61.0

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/10/79	1	0.0	19.5	528	23.4	4.9	15	2.6
10/10/79	2	0.0	17.7	510	18.9	5.1	15	2.6
10/10/79	3	0.0	17.7	502	18.3	3.4	15	2.6
3/17/80	1	0.1	11.4	425	7.8	1.8	5	B
3/17/80	2	0.1	8.2	442	9.5	1.5	5	B
3/17/80	3	0.1	8.2	417	9.0	1.5	5	B
7/09/80	1	0.2	22.2	450	9.6	2.1	15	5.5
7/09/80	2	0.2	18.4	433	9.8	1.9	15	5.5
7/09/80	3	0.2	21.0	417	9.6	2.1	15	5.5
MEAN		0.1	16.0	458	12.9	2.7	12	4.1

HOLMES COUNTY

SUN LAKE

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/06/79	1	5.49	2	0	15	2.5	2.0	2.1	0.4	2.3	2.9
12/06/79	2	5.48	2	0	15	2.5	1.5	2.0	0.4	2.3	0.0
12/06/79	3	5.49	2	0	15	2.5	1.5	2.0	0.4	2.3	0.0
4/22/80	1	5.47	2	0	15	2.5	1.5	1.8	0.3	2.8	4.4
4/22/80	2	5.44	2	0	15	2.0	1.0	1.8	0.3	2.8	4.5
4/22/80	3	5.41	2	0	15	2.0	1.0	1.8	0.3	2.5	4.5
8/05/80	1	5.21	2	0	17	2.1	1.5	2.3	0.4	3.3	13.8
8/05/80	2	5.02	1	0	15	2.1	1.5	2.1	0.4	3.3	8.6
8/05/80	3	4.97	1	0	17	2.1	1.4	2.1	0.5	3.5	10.1
MEAN		5.28	2	0	15	2.3	1.4	2.0	0.4	2.8	5.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI E
12/06/79	1	0.1	25.9	417	6.0	1.1	10	B
12/06/79	2	0.1	25.1	450	6.4	1.1	10	B
12/06/79	3	0.1	25.9	442	21.5	1.0	10	B
4/22/80	1	0.0	59.0	392	13.8	1.8	15	B
4/22/80	2	0.0	56.5	400	10.8	1.9	15	B
4/22/80	3	0.0	55.6	392	6.5	1.4	15	B
8/05/80	1	0.0	56.9	460	21.0	3.3	5	B
8/05/80	2	0.0	58.2	409	17.9	2.5	5	B
8/05/80	3	0.0	55.4	417	17.7	3.6	5	B
MEAN		0.0	46.5	420	13.5	2.0	10	***

LAKE SUSAN

LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	5.06	2	0	68	17.0	8.0	6.8	0.6	12.5	0.0	
11/06/79	2	5.05	2	0	67	17.5	8.5	6.9	0.6	12.3	3.2	
11/06/79	3	5.05	2	0	68	17.5	8.0	6.9	0.6	12.8	6.8	
3/27/80	1	4.93	2	0	68	17.5	9.0	7.9	0.9	14.0	2.8	
3/27/80	2	4.93	2	0	70	18.0	9.0	8.0	0.9	14.3	3.3	
3/27/80	3	4.94	2	0	70	18.0	8.5	8.0	0.8	14.0	0.0	
7/21/80	1	5.45	2	0	70	18.5	9.5	7.5	0.9	14.8	17.1	
7/21/80	2	5.43	3	0	70	18.0	9.5	6.7	0.9	14.8	15.9	
7/21/80	3	5.44	3	0	70	18.0	9.5	6.4	0.9	14.5	13.8	
MEAN		5.10	2	0	69	17.8	8.8	7.2	0.8	13.8	7.0	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l pt	SECCHI #
11/06/79	1	2.8	587.2	889	20.2	2.2	250	0.7
11/06/79	2	2.8	585.9	607	8.5	1.7	250	0.7
11/06/79	3	2.8	582.9	730	21.3	2.0	250	0.8
3/27/80	1	0.0	501.5	1025	4.8	3.6	200	0.7
3/27/80	2	0.0	507.3	1000	4.4	3.9	225	0.7
3/27/80	3	0.0	506.7	1033	4.4	4.2	225	0.7
7/21/80	1	0.4	366.6	725	21.3	19.9	150	1.0
7/21/80	2	0.4	362.0	769	19.8	21.5	125	1.2
7/21/80	3	0.4	361.8	790	18.1	22.5	125	1.2
MEAN		1.1	484.7	841	13.6	9.1	200	0.9

SUWANNEE LAKE

SUWANNEE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/22/79	1	6.77	10	0	39	12.5	9.5	3.3	0.5	5.8	0.0
10/22/79	2	6.84	9	0	38	12.5	9.5	3.2	0.5	5.8	2.9
10/22/79	3	6.78	9	0	38	12.5	9.0	3.2	0.5	5.8	0.0
2/28/80	1	6.32	8	0	38	12.0	8.5	3.5	0.3	5.5	4.8
2/28/80	2	6.32	8	0	38	12.0	8.0	3.7	0.3	5.8	5.0
2/28/80	3	6.36	8	0	38	12.0	8.0	3.5	0.3	5.5	5.5
7/07/80	1	7.03	8	0	40	13.0	10.0	2.1	0.4	5.8	11.2
7/07/80	2	7.40	8	0	38	11.5	8.0	1.9	0.4	5.5	8.1
7/07/80	3	7.14	8	0	38	11.5	8.5	2.2	0.4	5.8	11.7
MEAN		6.63	8	0	38	12.2	8.8	3.0	0.4	5.7	5.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/22/79	1	1.4	105.9	1140	48.6	38.5	20	0.8
10/22/79	2	1.3	111.0	1190	51.2	30.2	20	0.8
10/22/79	3	1.3	108.1	1130	51.4	45.0	20	0.7
2/28/80	1	0.3	*****	633	73.9	6.6	15	2.2
2/28/80	2	0.3	80.9	983	81.5	5.7	15	2.2
2/28/80	3	0.3	82.2	958	77.8	5.8	15	2.0
7/07/80	1	0.6	89.4	898	42.4	17.3	25	0.9
7/07/80	2	0.6	99.0	962	61.5	19.4	25	0.9
7/07/80	3	0.5	92.6	919	38.0	20.1	25	0.8
MEAN		0.7	96.1	979	58.5	21.0	20	1.3

GADSDEN/LEON COUNTY

LAKE TALQUIN

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
12/04/79	1	6.70	20	0	104	28.0	16.0	10.0	2.3	14.5	14.5	5.0
12/04/79	2	6.72	19	0	102	28.0	16.0	10.0	2.3	14.0	14.0	5.0
12/04/79	3	6.73	20	0	102	28.0	16.0	10.0	2.4	14.0	14.0	4.7
3/19/80	1	5.90	5	0	36	9.0	3.0	4.2	1.5	6.0	6.0	3.3
3/19/80	2	5.89	5	0	36	9.0	3.0	4.2	1.5	6.0	6.0	3.7
3/19/80	3	5.85	5	0	36	9.0	3.5	4.1	1.5	6.0	6.0	5.3
7/07/80	1	6.63	12	0	74	19.5	10.5	6.8	1.9	10.3	10.3	13.8
7/07/80	2	6.57	12	0	74	20.0	10.5	6.7	1.9	10.3	10.3	12.7
7/07/80	3	6.58	12	0	72	20.0	10.5	7.0	1.8	10.3	10.3	13.7
MEAN		6.23	12	0	71	18.9	9.9	7.0	1.9	10.2	10.2	7.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/04/79	1	9.0	1118.3	757	212.2	3.7	60	0.8
12/04/79	2	8.5	1066.6	722	207.7	2.4	60	0.8
12/04/79	3	8.7	1068.7	810	193.0	1.9	60	0.8
3/19/80	1	3.9	1214.9	658	128.1	3.0	100	0.2
3/19/80	2	4.0	1212.7	683	90.0	2.8	100	0.2
3/19/80	3	4.0	1149.2	616	38.1	2.3	100	0.2
7/07/80	1	6.8	1281.5	826	28.1	29.5	60	0.6
7/07/80	2	6.8	1362.3	883	64.8	24.0	60	0.6
7/07/80	3	6.7	1302.8	761	68.9	21.2	60	0.6
MEAN		6.5	1197.4	746	114.5	10.0	73	0.5

LAKE TARPON PINELLAS COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	7.45	28	0	560	97.0	60.0	81	3.7	154	54.0
1/16/80	2	7.42	28	0	550	96.0	60.0	75	3.7	155	46.0
1/16/80	3	7.45	28	0	550	96.0	60.0	80	3.7	156	44.0
5/13/80	1	6.66	12	0	620	102.5	62.8	87	3.7	165	49.0
5/13/80	2	6.71	12	0	620	103.5	63.0	85	3.7	165	50.0
5/13/80	3	6.71	13	0	620	103.5	65.0	85	3.8	160	48.0
8/04/80	1	6.71	7	0	600	109.5	62.5	105	4.8	198	58.7
8/04/80	2	6.70	7	0	620	108.5	61.0	102	4.9	195	61.1
8/04/80	3	6.67	7	0	620	109.0	61.5	101	4.9	198	52.0
MEAN		6.83	16	0	596	102.8	61.8	89	4.1	172	51.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/16/80	1	6.5	312.0	816	51.8	1.9	50	1.3
1/16/80	2	6.9	310.3	841	60.6	1.8	50	1.3
1/16/80	3	6.8	306.3	883	60.6	1.4	50	1.3
5/13/80	1	0.1	280.9	566	36.4	3.8	50	1.1
5/13/80	2	0.2	283.3	475	37.9	4.1	50	1.2
5/13/80	3	0.2	293.7	558	36.3	4.9	50	1.2
8/04/80	1	2.6	58.0	488	22.1	4.5	50	2.0
8/04/80	2	2.7	53.3	510	22.7	6.7	50	2.0
8/04/80	3	2.7	59.3	582	25.9	5.4	50	2.0
MEAN		3.2	217.5	635	39.4	3.8	50	1.5

HILLSBOROUGH COUNTY

LAKE THONOTOSASSA

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/16/80	1	7.82	47	0	195	63.5	48.0	19	4.7	22.8	22.0
1/16/80	2	7.82	47	0	195	63.5	48.0	19	4.6	23.3	22.0
1/16/80	3	7.87	47	0	195	62.5	48.5	18	4.7	23.0	17.0
5/14/80	1	8.87	53	3	260	70.0	54.0	24	5.0	29.0	36.0
5/14/80	2	8.97	53	4	255	70.0	55.0	24	4.9	29.3	34.0
5/14/80	3	8.99	53	3	250	71.0	54.0	24	4.9	29.0	35.0
8/05/80	1	7.93	43	0	190	62.0	50.0	23	4.3	24.5	36.6
8/05/80	2	8.28	44	0	195	58.0	50.0	23	4.3	24.5	36.2
8/05/80	3	8.20	44	0	195	58.0	48.0	23	4.3	25.0	29.9
MEAN		8.10	48	1	214	64.3	50.6	22	4.6	25.6	29.9

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/16/80	1	0.6	143.3	1770	778.4	62.8	75	0.9
1/16/80	2	0.6	146.1	1750	961.2	75.0	75	1.0
1/16/80	3	0.6	143.3	1720	710.8	46.8	75	1.0
5/14/80	1	0.6	175.6	1210	1054.1	81.4	90	0.4
5/14/80	2	0.6	171.1	1480	1129.8	77.4	90	0.4
5/14/80	3	0.6	174.7	1380	1082.2	75.7	90	0.4
8/05/80	1	1.4	162.9	1300	595.3	62.4	80	0.8
8/05/80	2	1.1	153.9	1240	576.3	60.4	80	0.9
8/05/80	3	1.3	153.9	1220	620.6	59.1	80	0.9
MEAN		0.8	158.3	1452	834.3	66.8	82	0.7

TIGER LAKE POLK COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	6.89	8	0	79	23.0	11.5	7.6	1.1	75	13.0	11.0
1/30/80	2	6.87	8	0	79	23.5	11.0	7.5	1.1	75	12.5	9.7
1/30/80	3	6.83	8	0	78	23.5	11.0	7.7	1.1	75	12.5	7.9
6/02/80	1	9.33	25	3	90	25.5	15.0	6.9	1.2	75	13.8	16.0
6/02/80	2	9.17	29	2	90	26.0	12.5	6.8	1.1	75	13.5	17.0
6/02/80	2	9.34	26	3	90	25.5	13.0	6.9	1.2	75	13.5	16.0
8/20/80	1	9.16	63	5	84	22.0	15.0	7.9	1.4	75	14.0	15.0
8/20/80	2	8.71	64	4	84	21.0	15.0	7.9	1.4	75	14.3	16.0
8/20/80	3	8.88	61	5	84	21.0	15.0	7.9	1.3	75	14.0	14.0
MEAN		7.33	33	2	84	23.4	13.2	7.5	1.2	75	13.5	13.6

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/30/80	1	3.5	659.0	825	17.1	2.1	75	0.7
1/30/80	2	3.5	663.3	725	49.8	2.2	75	0.7
1/30/80	3	3.5	665.4	783	51.9	2.4	75	0.7
6/02/80	1	1.9	814.0	711	52.8	5.2	75	0.6
6/02/80	2	1.9	816.2	733	56.0	5.0	75	0.6
6/02/80	3	1.9	816.2	675	30.7	2.8	75	0.5
8/20/80	1	2.5	693.4	898	42.5	39.6	50	0.7
8/20/80	2	2.5	682.7	840	46.0	41.7	50	0.7
8/20/80	3	2.5	691.2	977	39.2	44.3	50	0.6
MEAN		2.6	722.4	796	42.9	16.1	67	0.6

TIGERTAIL BROWARD COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
2/11/80	1	8.63	62	1	173	66.5	61.0	16.0	1.1	24.0	5.2
2/11/80	2	8.70	62	1	170	66.5	60.5	16.0	1.1	24.0	4.2
2/11/80	3	8.71	62	1	170	66.5	60.5	16.0	1.1	24.0	3.4
6/23/80	1	8.98	88	9	170	47.5	45.5	16.0	0.9	24.3	7.5
6/23/80	2	9.14	83	14	160	47.0	46.5	15.0	0.9	24.5	7.4
6/23/80	3	9.35	84	15	160	46.5	46.5	15.0	0.9	24.3	7.3
8/25/80	1	8.82	52	5	164	53.0	49.0	15.0	1.1	23.8	8.7
8/25/80	2	8.97	50	4	162	53.0	48.5	16.0	1.2	24.0	8.5
8/25/80	3	8.84	52	4	162	53.0	49.5	16.0	1.2	24.0	7.8
MEAN		8.86	66	6	166	55.5	51.9	15.7	1.1	24.1	6.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
2/11/80	1	0.1	****	608	13.0	1.0	0	B
2/11/80	2	0.1	20.7	641	13.0	0.8	0	B
2/11/80	3	0.1	20.7	608	13.0	0.8	0	B
6/23/80	1	0.7	63.6	566	12.3	1.4	0	B
6/23/80	2	0.7	58.3	583	11.9	1.5	5	B
6/23/80	3	0.7	54.4	633	13.7	1.6	0	B
8/25/80	1	0.8	56.6	603	11.2	1.6	10	B
8/25/80	2	0.9	55.1	618	10.6	4.3	10	B
8/25/80	3	0.8	53.6	603	28.4	9.5	10	B
MEAN		0.5	47.9	607	14.1	2.5	4	***

LAKE TOHOPEAHANIGA POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE μmhos/cm 25° C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/29/80	1	6.7	28	0	136	41.0	29.0	14.0	2.5	20.3	15.0
1/29/80	2	6.7	27	0	134	41.0	29.5	14.0	2.5	20.0	12.0
1/29/80	3	6.7	27	0	135	41.5	29.5	14.0	2.5	20.3	9.4
6/01/80	1	9.4	26	3	155	40.0	27.0	15.0	2.6	23.0	18.0
6/01/80	2	9.3	25	2	155	40.5	26.5	15.0	2.7	23.3	16.0
6/01/80	3	9.4	25	3	155	40.0	26.5	15.0	2.6	23.3	15.0
8/19/80	1	8.1	63	6	221	65.0	54.0	27.0	4.1	30.5	14.0
8/19/80	2	8.1	63	4	225	66.0	54.0	26.0	4.1	30.3	13.0
8/19/80	3	8.9	63	5	220	66.0	54.0	26.0	4.1	30.5	13.0
MEAN		8.07	39	2	171	49.0	36.7	18.4	3.1	24.6	13.9

DATE	SAMPLE	SILICA mg/l	TOTAL mg/m <sup>3</sup>	TOTAL mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/29/80	1	**	245.8	133.5	45.1	60	0.5
1/29/80	2	0.0	247.3	117.1	43.7	60	0.5
1/29/80	3	0.1	233.2	133.9	37.5	60	0.5
6/01/80	1	1.1	236.6	183.0	89.2	50	0.4
6/01/80	2	1.2	233.7	212.0	72.8	50	0.4
6/01/80	3	1.0	232.0	431.1	83.9	50	0.4
8/19/80	1	6.8	182.8	733.4	***	50	0.4
8/19/80	2	6.7	221.7	573.7	106.6	50	0.4
8/19/80	3	6.8	245.0	1035.26	177.7	50	0.3
MEAN		3.0	240.5	368.2	69.6	53	0.4

EAST LAKE TOHOPEKALIGA

OSCEOLA COUNTY

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/29/80	1	6.07	3	0	90	18.0	6.0	11.0	1.9	19.8	8.8
1/29/80	2	6.13	3	0	90	18.0	6.0	10.0	1.9	19.8	8.4
1/29/80	3	6.17	4	0	90	18.0	6.0	11.0	1.9	19.5	6.9
6/01/80	1	5.86	3	0	92	19.5	9.0	10.0	1.8	20.8	21.0
6/01/80	2	5.86	3	0	92	19.5	9.0	10.0	1.8	20.8	23.0
6/01/80	3	5.85	3	0	92	19.0	9.5	10.0	1.8	20.5	17.0
8/19/80	1	6.17	3	0	106	18.0	6.0	12.0	2.0	22.0	18.0
8/19/80	2	6.31	3	0	106	18.0	5.0	12.0	2.0	22.0	19.0
8/19/80	3	6.41	3	0	104	18.0	5.0	12.0	2.0	22.0	16.0
MEAN		6.05	3	0	96	18.4	6.8	10.9	1.9	20.8	15.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYL. mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/29/80	1	0.2	241.8	641	31.4	7.9	40	1.2
1/29/80	2	0.2	244.7	625	29.4	7.4	40	1.2
1/29/80	3	0.2	237.7	658	29.4	8.4	40	1.1
6/01/80	1	0.7	151.6	632	13.5	6.6	35	1.4
6/01/80	2	0.7	132.7	646	28.0	5.8	35	1.4
6/01/80	3	0.7	144.8	654	28.0	7.5	35	1.4
8/19/80	1	1.0	86.3	711	18.4	9.0	20	2.0
8/19/80	2	1.1	92.1	639	19.1	11.7	20	2.0
8/19/80	3	1.1	112.1	582	17.2	13.3	20	2.0
MEAN		0.7	160.4	643	23.8	8.6	32	1.5

TOWNSEND POND (KOOON LAKE)                      LAFAYETTE COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ hos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
10/20/79	1	5.17	2	0	24	6.5	3.0	2.2	0.1	2.5	0.0
10/20/79	2	5.16	2	0	23	7.5	3.5	2.2	0.1	2.8	0.0
10/20/79	3	5.14	2	0	23	7.0	3.0	2.3	0.1	2.8	0.0
3/19/80	1	5.28	2	0	23	6.0	4.0	2.8	0.1	3.5	3.5
3/19/80	2	5.22	3	0	22	6.0	4.0	2.9	0.2	3.8	0.0
3/19/80	3	4.62	4	0	30	6.0	4.0	3.0	0.2	3.5	0.0
7/07/80	1	5.44	3	0	21	6.0	4.0	4.4	0.1	3.8	13.0
7/07/80	2	5.27	2	0	21	6.0	4.0	2.8	0.1	3.8	9.4
7/07/80	3	5.30	4	0	21	5.5	4.0	0.9	0.1	3.8	5.3
MEAN		5.11	3	0	23	6.3	3.7	2.6	0.1	3.4	3.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
10/20/79	1	0.6	368.8	10.9	5.7	175	1.1
10/20/79	2	0.6	371.2	8.7	4.0	175	1.1
10/20/79	3	0.7	366.9	9.9	4.3	175	1.0
3/19/80	1	0.2	149.9	5.6	4.0	100	1.6
3/19/80	2	0.2	148.4	5.6	4.7	100	1.6
3/19/80	3	0.2	146.5	4.8	4.9	100	1.6
7/07/80	1	0.1	214.6	8.0	8.8	75	1.2
7/07/80	2	0.1	206.5	7.5	7.4	75	1.3
7/07/80	3	0.1	194.4	18.1	6.5	75	1.3
MEAN		0.3	240.8	8.8	5.6	117	1.3

LAKE TRAFFORD COLLIER COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
2/11/80	1	8.15	100	0	225	109.5	98.5	15.0	2.9	23.3	3.6
2/11/80	2	8.07	100	0	225	110.0	97.5	14.0	3.2	23.5	2.9
2/11/80	3	8.30	102	0	225	111.0	97.0	14.0	3.3	23.8	4.2
6/23/80	1	8.82	162	14	240	91.0	88.0	17.0	4.4	29.3	8.7
6/23/80	2	8.42	160	7	240	90.5	88.0	17.0	4.2	29.8	7.0
6/23/80	3	8.55	162	6	240	90.0	89.5	17.0	4.3	29.5	8.0
8/24/80	1	8.55	75	2	220	80.0	64.0	16.0	3.3	28.0	11.0
8/24/80	2	8.50	74	2	220	80.0	63.0	16.0	3.6	28.5	7.0
8/24/80	3	9.06	62	6	193	68.0	54.0	16.0	2.7	28.3	11.0
MEAN		8.40	111	4	225	92.2	82.2	15.8	3.5	27.1	7.0

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
2/11/80	1	1.6	223.2	1480	113.2	65.9	75	0.9
2/11/80	2	1.4	210.7	1500	127.6	54.6	75	1.0
2/11/80	3	1.1	179.7	1400	96.9	37.5	75	1.0
6/23/80	1	3.1	187.0	1210	38.9	5.8	50	B
6/23/80	2	3.1	180.2	1100	47.1	6.7	40	B
6/23/80	3	3.1	181.3	1180	53.3	6.1	40	B
8/24/80	1	2.6	213.8	1160	41.9	33.3	30	1.0
8/24/80	2	3.1	208.0	1230	42.7	23.4	25	1.0
8/24/80	3	2.1	107.4	1170	27.8	15.6	20	1.0
MEAN		2.4	187.9	1270	65.5	27.7	48	1.0

CITRUS

TSALA APOPKA LAKE (HERNANDO POOL)

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	CHLORO- PHYLL mg/m <sup>3</sup>	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/07/79	1	7.25	45	0	115	48.5	42.5	5.7	0.0	2.4	0.0	9.0	0.0
11/07/79	2	7.27	45	0	115	48.5	43.5	5.8	0.0	2.0	0.0	9.0	0.0
11/07/79	3	7.22	44	0	115	48.5	43.5	5.9	0.0	1.8	0.0	8.8	0.0
4/07/79	1	7.57	43	0	109	48.5	42.0	6.3	0.1	2.3	0.1	9.5	5.8
4/07/79	2	7.50	43	0	108	47.0	41.0	6.2	0.1	2.5	0.1	9.5	4.8
4/07/79	3	7.53	42	0	108	47.5	41.5	6.0	0.1	2.1	0.1	9.5	5.8
7/24/80	1	7.44	39	0	103	44.0	38.5	4.3	0.1	2.0	0.1	8.0	9.6
7/24/80	2	7.15	39	0	105	44.0	39.0	4.5	0.1	2.0	0.1	8.3	6.4
7/24/80	3	7.21	39	0	105	44.5	38.5	4.3	0.1	2.0	0.1	9.0	6.0
MEAN		7.32	42	0	109	46.8	41.1	5.4	0.1	2.8	0.1	9.0	4.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/07/79	1	1.4	29.9	492	13.0	2.4	25	B
11/07/79	2	1.5	76.7	508	12.8	2.0	25	B
11/07/79	3	1.5	32.1	208	18.2	1.8	25	B
4/07/80	1	0.1	46.8	566	13.3	2.3	20	2.9
4/07/80	2	0.1	46.1	558	9.8	2.5	20	2.9
4/07/80	3	0.1	47.4	600	12.2	2.1	20	2.6
7/24/80	1	0.8	31.4	503	8.5	4.5	25	2.9
7/24/80	2	1.2	58.0	496	7.7	3.9	30	3.0
7/24/80	3	1.2	66.0	460	7.2	3.9	30	3.0
MEAN		0.9	48.3	488	11.4	2.8	24	2.9

TURKEY PEN POND CALHOUN COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/05/79	1	4.68	0	0	19	2.0	1.5	1.7	0.2	2.0	3.2
12/05/79	2	4.69	0	0	19	2.0	1.5	1.7	0.2	2.0	3.2
12/05/79	3	4.68	0	0	19	2.5	1.5	1.6	0.3	2.0	3.1
4/21/80	1	4.72	1	0	18	2.5	1.5	1.5	0.1	1.8	6.2
4/21/80	2	4.67	1	0	19	2.0	1.0	1.5	0.1	2.0	6.2
4/21/80	3	4.67	1	0	19	2.5	1.0	1.5	0.1	2.0	5.3
8/05/80	1	4.62	0	0	18	1.4	1.0	1.9	0.3	2.3	7.5
8/05/80	2	4.61	0	0	19	1.4	1.0	1.9	0.3	2.0	10.8
8/05/80	3	4.59	0	0	19	1.4	1.0	2.2	0.3	2.3	10.7
MEAN		4.66	1	0	19	2.0	1.2	1.7	0.2	2.0	6.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/05/79	1	0.1	16.9	35.2	7.1	0.3	0	3.3
12/05/79	2	0.1	10.6	61.6	9.8	0.6	0	3.3
12/05/79	3	0.1	9.5	61.6	6.2	0.6	0	3.3
4/21/80	1	0.1	17.6	58.3	3.1	0.7	3	4.5
4/21/80	2	0.0	15.7	66.6	3.5	0.8	3	4.5
4/21/80	3	0.1	14.4	133.0	2.4	0.8	3	4.4
8/05/80	1	0.2	14.7	64.6	3.7	0.6	0	6.3
8/05/80	2	0.2	20.9	79.0	5.4	0.5	0	6.4
8/05/80	3	0.3	16.0	50.3	5.2	0.5	0	6.4
MEAN		0.1	15.1	67.8	5.2	0.6	1	4.7

LAKE UNDERHILL ORANGE COUNTY

DATE	SAMPLE	PH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	7.79	59	0	175	84.5	71.0	6.8	2.9	9.3	25.0	
12/20/79	2	7.76	59	0	170	84.0	71.0	6.4	3.1	9.3	24.0	
12/20/79	3	7.73	59	0	175	84.5	71.0	6.4	3.1	9.3	22.0	
4/10/80	1	6.99	47	0	190	86.0	74.0	7.1	3.5	10.0	23.0	
4/10/80	2	8.27	60	0	180	85.5	73.0	7.1	3.5	9.8	23.0	
4/10/80	3	7.32	54	0	180	85.5	73.0	7.0	3.5	9.8	24.0	
7/30/80	1	8.10	63	0	193	86.0	72.0	5.8	3.0	10.0	17.5	
7/30/80	2	7.90	62	0	190	85.0	72.0	5.7	3.0	10.3	19.8	
7/30/80	3	7.99	62	0	190	86.0	72.0	5.9	3.0	10.3	18.5	
MEAN		7.58	58	0	183	85.2	72.1	6.5	3.2	9.8	21.9	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/20/79	1	0.3	49.8	775	97.6	35.3	10	0.8
12/20/79	2	0.3	42.7	800	82.0	31.6	10	0.8
12/20/79	3	0.3	39.6	800	89.9	31.8	10	0.7
4/10/80	1	0.1	13.0	683	31.3	20.4	10	1.0
4/10/80	2	0.1	18.5	558	****	20.3	10	1.1
4/10/80	3	0.1	14.9	750	32.0	21.0	10	1.1
7/30/80	1	0.2	28.0	766	30.3	59.8	10	0.6
7/30/80	2	0.2	35.5	933	31.6	62.2	10	0.6
7/03/80	3	0.3	33.8	925	32.9	61.4	10	0.5
MEAN		0.2	30.6	777	53.5	38.2	10	0.8

UPPER MYAKA LAKE SARASOTA COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
2/12/80	1	7.41	18	0	142	59.5	42.5	8.6	2.4	16.8	40.0
2/12/80	2	7.42	19	0	138	57.5	42.5	8.3	2.1	16.8	37.0
2/12/80	3	7.38	20	0	142	60.5	43.5	8.4	2.0	16.8	32.0
6/20/80	1	10.48	72	52	310	109.0	67.0	10.0	0.2	17.0	89.0
6/20/80	2	10.46	66	46	290	108.5	61.0	10.0	3.1	16.8	90.0
6/20/80	3	10.47	66	44	290	107.0	59.0	10.0	0.4	17.0	75.0
8/24/80	1	9.64	40	16	190	87.0	54.0	8.4	1.4	14.0	50.0
8/24/80	2	7.15	38	0	167	73.0	54.0	7.9	1.8	13.8	41.0
8/24/80	3	7.20	32	0	142	61.0	54.0	7.4	2.0	13.5	28.0
MEAN		7.55	41	18	201	80.3	53.1	8.8	1.7	15.8	53.6

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DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLLIN mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
2/12/80	1	1.9	157.3	808	184.4	1.8	150	1.1
2/12/80	2	1.7	153.4	841	191.0	1.8	150	1.1
2/12/80	3	1.7	141.4	791	193.0	1.5	150	1.1
6/20/80	1	1.1	19.4	791	77.0	4.8	40	P
6/20/80	2	1.1	17.6	825	60.7	23.7	70	P
6/20/80	3	1.0	25.1	808	75.5	3.6	40	P
8/24/80	1	3.6	35.9	883	333.7	8.7	80	1.5
8/24/80	2	4.6	71.5	991	357.1	6.5	90	1.5
8/24/80	3	4.8	118.3	1030	387.0	8.3	120	1.5
MEAN		2.4	82.2	863	206.6	6.7	99	1.3

HOLMES COUNTY

LAKE VICTOR

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/06/79	1	6.53	9	0	0	27	9.5	7.0	1.8	0.4	2.5	0.0
12/06/79	2	6.54	9	0	0	27	10.0	6.5	1.8	0.5	2.5	0.0
12/06/79	3	6.53	9	0	0	27	10.0	6.5	1.8	0.5	2.8	0.0
4/22/80	1	7.00	7	0	0	22	8.5	5.0	1.7	0.4	3.0	4.8
4/22/80	2	7.03	7	0	0	23	8.5	5.0	1.6	0.4	2.8	5.0
4/22/80	3	7.02	7	0	0	23	7.5	4.5	1.6	0.4	2.8	4.0
8/05/80	1	6.44	3	0	0	26	8.0	6.0	1.9	0.6	3.3	10.9
8/05/80	2	5.11	2	0	0	26	8.0	6.0	2.0	0.6	3.3	10.6
8/05/80	3	5.05	2	0	0	26	8.0	5.5	2.3	0.5	3.3	7.7
MEAN		5.69	6	0	0	25	8.7	5.8	1.8	0.5	2.9	4.8

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL <sup>a</sup> mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI <sup>B</sup>
12/06/79	1	0.8	372.4	350	7.8	3.2	10	3.4
12/06/79	2	0.9	370.7	333	10.3	3.1	10	3.4
12/06/79	3	0.9	367.1	350	13.9	***	10	3.5
4/22/80	1	0.2	53.7	250	5.0	4.5	20	2.3
4/22/80	2	0.2	52.4	217	13.8	1.8	20	2.3
4/22/80	3	0.2	51.6	217	20.2	3.9	20	2.1
8/05/80	1	0.3	355.5	338	13.9	2.2	15	2.5
8/05/80	2	0.2	338.8	273	15.8	2.0	15	2.6
8/05/80	3	0.3	360.4	316	11.3	1.9	15	2.6
MEAN		0.4	258.1	294	12.4	2.8	15	2.7

LAKE VIRGINIA ORANGE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
12/20/79	1	7.69	59	0	170	76.5	60.0	8.5	2.5	15.0	13.0
12/20/79	2	7.72	59	0	170	76.5	60.0	8.7	2.4	14.8	13.0
12/20/79	3	7.76	59	0	170	76.5	61.0	8.6	2.5	14.8	12.0
4/09/80	1	7.99	58	0	180	77.5	61.0	9.4	2.7	15.3	13.0
4/09/80	2	7.72	59	0	180	78.0	60.5	9.4	2.7	15.3	14.0
4/09/80	3	7.92	58	0	180	77.5	60.5	9.3	2.7	15.3	12.0
7/29/80	1	8.80	53	2	180	71.5	55.0	8.4	2.7	16.3	21.1
7/29/80	2	8.59	53	1	180	71.5	55.0	8.6	2.6	16.3	22.1
7/29/80	3	8.68	53	1	180	72.0	55.0	8.6	2.7	16.3	17.7
MEAN		7.94	57	0	177	75.3	58.7	8.8	2.6	15.5	15.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
12/20/79	1	0.7	24.2	475	40.0	11.7	5	1.8
12/20/79	2	0.7	24.4	450	38.9	12.5	5	1.8
12/20/79	3	0.7	24.6	492	42.3	12.1	5	1.7
4/09/80	1	0.2	20.8	408	22.1	4.4	0	2.3
4/09/80	2	0.2	18.1	300	****	5.2	0	2.3
4/09/80	3	0.2	20.6	358	23.0	5.9	0	2.2
7/29/80	1	0.6	42.6	898	28.6	35.3	5	0.7
7/29/80	2	0.7	31.9	668	28.0	34.4	5	0.8
7/29/80	3	0.7	40.4	618	28.6	34.0	5	0.8
MEAN		0.5	27.5	519	31.4	17.3	3	1.6

POLK COUNTY

LAKE WALES

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
1/17/80	1	7.59	40	0	122	51.5	36.0	5.8	1.7	5	9.5	7.8
1/17/80	2	7.59	40	0	122	51.5	36.0	5.6	1.6	5	9.5	7.9
1/17/80	3	7.54	40	0	121	51.5	36.0	5.6	1.6	5	9.5	7.7
5/14/80	1	7.51	40	0	125	53.0	38.5	5.8	1.7	10	10.8	11.0
5/14/80	2	7.68	41	0	125	53.0	37.5	5.8	1.8	10	10.8	11.0
5/14/80	3	7.65	41	0	125	53.0	38.0	5.8	1.7	10	10.5	11.0
8/05/80	1	8.18	40	0	110	53.0	38.0	6.8	1.8	10	10.8	17.9
8/05/80	2	8.14	41	0	110	53.0	40.0	6.6	1.8	10	10.5	21.0
8/05/80	3	8.06	40	0	110	52.0	38.0	6.8	1.8	10	10.5	16.0
MEAN		7.71	40	0	119	52.4	37.6	6.1	1.7	10.3	10.3	12.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/17/80	1	0.4	22.2	483	29.7	6.1	5	2.9
1/17/80	2	0.4	26.3	317	31.7	6.8	5	2.9
1/17/80	3	0.4	20.1	483	27.4	6.2	5	2.8
5/14/80	1	0.3	21.5	442	18.2	4.1	10	2.3
5/14/80	2	0.3	47.4	481	15.0	4.5	10	2.5
5/14/80	3	0.3	31.8	381	14.3	4.1	10	2.5
8/05/80	1	0.6	38.1	560	16.8	3.9	10	2.1
8/05/80	2	0.5	31.6	488	19.3	3.3	10	2.1
8/05/80	3	0.5	31.9	517	16.4	3.8	10	2.1
MEAN		0.4	30.1	461	21.0	4.8	8	2.5

LAKE WASHINGTON      BREVARD COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/31/80	1	7.78	56	0	335	110.0	90.5	35.0	2.4	70.5	22.0
1/31/80	2	7.75	58	0	340	113.5	91.5	34.0	2.4	71.5	23.0
1/31/80	3	7.80	56	0	320	110.0	91.5	33.0	2.4	70.0	17.0
6/03/80	1	7.82	67	0	440	138.0	113.0	43.0	2.2	90.8	30.0
6/03/80	2	7.89	66	0	430	138.0	108.0	43.0	2.1	90.3	31.0
6/03/80	3	7.84	67	0	430	138.0	107.0	43.0	2.1	90.5	29.0
8/21/80	1	7.85	62	0	520	150.0	110.0	60.0	3.0	129.0	36.0
8/21/80	2	7.94	62	0	520	150.0	100.0	58.0	2.9	128.0	41.0
8/21/80	3	7.92	65	0	518	150.0	100.0	57.0	2.9	130.0	38.0
MEAN		7.84	62	0	428	133.1	101.3	45.1	2.5	96.7	29.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
1/31/80	1	6.0	194.2	1280	49.8	5.8	150	0.3
1/31/80	2	6.6	216.7	1260	49.8	5.8	150	0.4
1/31/80	3	6.7	183.0	1230	49.8	5.6	150	0.4
6/03/80	1	0.1	77.4	1180	18.4	1.0	67	1.3
6/03/80	2	0.1	76.9	998	18.1	1.0	67	1.3
6/03/80	3	0.1	70.8	826	16.9	0.9	67	1.3
8/21/80	1	3.4	50.4	754	27.8	4.1	60	B
8/21/80	2	3.5	50.6	883	28.4	2.8	60	B
8/21/80	3	3.7	48.7	1090	27.4	3.3	60	B
MEAN		3.4	107.6	1056	31.8	3.4	92	0.8

WATERTOWN LAKE COLUMBIA COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
10/22/79	1	8.30	87	0	185	84.0	72.0	7.1	3.0	30	8.3	3.0
10/22/79	2	8.31	87	0	180	84.5	72.0	7.2	3.0	30	8.5	3.0
10/22/79	3	8.40	87	1	180	84.0	72.0	7.0	3.0	30	8.3	0.0
2/28/80	1	7.43	75	0	153	76.5	63.0	7.3	2.9	10	8.3	5.6
2/28/80	2	7.44	73	0	150	77.0	63.5	7.4	2.8	10	8.3	4.8
2/28/80	3	7.49	75	0	150	77.5	63.5	7.2	2.9	10	8.3	4.9
7/02/80	1	9.05	74	7	155	74.0	64.0	6.0	2.8	30	7.5	7.9
7/02/80	2	9.06	75	7	156	74.0	64.0	6.1	2.8	30	7.5	10.0
7/02/80	3	9.06	73	7	156	73.0	63.5	6.0	2.8	30	7.3	8.1
MEAN		7.86	78	2	163	78.3	66.4	6.8	2.9	23	8.0	5.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
10/22/79	1	3.1	93.2	590	31.4	15.9	30	1.5
10/22/79	2	3.0	90.6	590	22.5	16.2	30	1.5
10/22/79	3	3.1	90.2	519	24.5	15.4	30	1.5
2/28/80	1	0.2	54.2	533	38.1	14.2	10	2.8
2/28/80	2	0.2	51.2	591	33.5	17.1	10	2.8
2/28/80	3	0.2	51.9	766	32.9	16.8	10	2.6
7/02/80	1	2.0	67.7	658	30.6	26.5	30	1.4
7/02/80	2	2.0	65.2	633	27.3	22.7	30	1.5
7/02/80	3	2.0	67.3	658	25.1	22.7	30	1.5
MEAN		1.8	70.2	615	29.5	18.6	23	1.9

LAKE WAUBERG

ALACHUA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
2/21/80	1	9.04	18	1	76	22.0	16.5	8.0	0.4	10.8	4.4
2/21/80	2	9.07	18	1	76	22.0	16.5	7.7	0.4	10.5	4.7
2/21/80	3	9.09	18	1	76	21.5	17.0	8.2	0.4	10.5	4.8
6/30/80	1	8.20	20	0	80	22.5	16.0	9.6	0.6	10.0	11.0
6/30/80	2	7.05	39	0	80	22.5	15.0	9.1	0.6	10.5	8.2
6/30/80	3	7.55	18	0	80	22.5	15.0	9.0	0.6	10.5	7.6
8/23/80	1	8.14	18	0	66	22.0	17.0	7.2	1.0	10.5	7.8
8/23/80	2	8.58	19	0	64	22.0	17.0	7.2	0.9	10.5	11.0
8/23/80	3	7.80	20	0	65	22.0	17.0	8.2	0.9	10.8	7.3
MEAN		7.77	21	0	74	22.1	16.3	8.2	0.6	10.5	7.4

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
2/21/80	1	0.4	****	2270	113.2	110.6	15	0.5
2/21/80	2	0.4	86.3	1760	96.5	101.3	15	0.5
2/21/80	3	0.4	78.5	2220	86.5	109.4	15	0.5
6/30/80	1	0.2	42.1	1660	70.1	122.7	20	0.4
6/30/80	2	0.2	45.4	1820	75.3	113.7	20	0.4
6/30/80	3	0.2	47.6	2090	75.3	111.9	20	0.4
8/23/80	1	0.5	69.6	2320	63.4	105.2	15	0.3
8/23/80	2	0.5	64.5	2800	79.8	108.1	15	0.3
8/23/80	3	0.6	75.4	2040	59.1	104.9	15	0.3
MEAN		0.4	63.7	2109	79.9	109.8	17	0.4

MARION COUNTY

LAKE WEIR

DATE	SAMPLE	pH	ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL	ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUNTANCE µmhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
9/15/79	1	7.04	9	0	138	24.8	10.0	17.0	2.0	28.0	5.7	
9/15/79	2	7.07	10	0	139	24.5	10.0	16.0	2.0	28.5	6.2	
9/15/79	3	7.06	11	0	139	24.5	10.3	16.0	2.1	28.0	6.0	
3/06/80	1	7.31	12	0	134	25.0	10.0	18.0	1.9	28.3	7.3	
3/06/80	2	7.16	12	0	136	25.5	11.0	18.0	1.9	28.0	8.4	
3/06/80	3	7.24	12	0	140	25.0	9.5	18.0	1.9	28.0	6.8	
7/16/80	1	6.99	14	0	132	25.0	9.5	16.0	2.1	28.3	11.0	
7/16/80	2	7.10	14	0	132	24.0	9.0	16.0	2.1	28.5	12.9	
7/16/80	3	7.09	14	0	132	24.0	10.5	16.0	2.1	28.8	11.0	
MEAN		7.11	12	0	136	24.8	10.0	16.8	2.0	28.3	8.4	

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO- PHYLL mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
9/15/79	1	0.1	34.9	642	5.0	11.0	5	2.0
9/15/79	2	0.1	33.0	642	6.5	10.5	5	2.0
9/15/79	3	0.1	34.7	669	6.7	10.8	5	2.0
3/06/80	1	0.0	23.2	641	24.8	3.4	0	1.9
3/06/80	2	0.0	25.8	625	27.0	6.2	0	1.9
3/06/80	3	0.0	23.2	641	25.7	***	0	2.0
7/16/80	1	0.3	22.5	608	5.3	7.2	5	3.0
7/16/80	2	0.3	23.2	616	4.7	5.9	5	3.0
7/16/80	3	0.3	22.3	683	4.0	6.7	5	2.9
MEAN		0.1	27.0	641	12.2	7.7	3	2.3

LAKE WEOHYAKAPKA POLK COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/30/80	1	7.03	8	0	65	19.5	9.5	6.5	1.1	10.8	7.4
1/30/80	2	6.98	8	0	64	20.0	9.0	7.0	1.1	11.0	7.7
1/30/80	3	6.96	8	0	64	20.0	8.5	6.7	1.1	11.0	6.3
6/02/80	1	6.99	10	0	84	23.0	11.5	6.0	1.2	18.0	14.0
6/02/80	2	7.02	10	0	86	23.0	11.0	6.0	1.3	18.5	17.0
6/02/80	3	7.04	10	0	82	23.0	10.5	6.0	1.3	18.3	14.0
8/20/80	1	6.97	8	0	79	21.0	11.0	6.4	1.3	12.0	11.0
8/20/80	2	7.07	7	0	79	21.0	11.0	6.4	1.4	11.8	14.0
8/20/80	3	7.23	7	0	79	20.5	10.5	6.4	1.3	12.3	12.0
MEAN		7.03	8	0	76	21.2	10.3	6.4	1.2	13.7	11.5

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/30/80	1	1.2	437.2	525	37.6	6.0	50	0.7
1/30/80	2	1.3	439.1	517	35.5	6.1	50	0.7
1/30/80	3	1.2	440.2	525	37.6	7.1	50	0.7
6/02/80	1	3.1	544.8	409	47.4	4.4	45	0.7
6/02/80	2	3.2	560.1	488	15.4	4.2	45	0.8
6/02/80	3	3.1	568.9	481	17.3	3.7	45	0.8
8/20/80	1	6.4	150.6	345	19.9	4.9	30	1.5
8/20/80	2	6.4	144.4	424	21.1	5.0	30	1.5
8/20/80	3	6.5	145.9	381	20.3	4.3	30	1.4
MEAN		3.6	381.2	455	28.0	5.1	42	1.0

WESTERN LAKE WALTON COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/08/80	1	7.26	34	0	10000	1350	235	2300	92.0	4250	233
1/08/80	2	7.34	34	0	10000	1350	230	2200	91.0	4050	217
1/08/80	3	7.19	30	0	9200	1350	210	1900	79.0	3650	217
4/23/80	1	6.59	12	0	3400	391	72	550	29.0	1100	220
4/23/80	2	6.58	12	0	3300	371	68	600	27.0	1150	209
4/23/80	3	6.26	8	0	1200	126	65	200	9.8	1150	82.0
8/06/80	1	6.49	22	0	6000	740	128	1240	58.0	2330	273
8/06/80	2	6.58	18	0	3820	446	80	740	36.0	1350	216
8/06/80	3	6.59	22	0	3800	444	84	730	35.0	1300	9.4
MEAN		6.64	21	0	5635	730	130	1162	50.8	2259	186

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
1/08/80	1	2.0	61.9	225	7.6	0.8	45	3.0
1/08/80	2	2.0	61.3	225	2.1	0.8	45	3.0
1/08/80	3	2.2	69.2	283	1.9	0.7	50	2.9
4/23/80	1	2.7	251.6	325	11.0	***	225	0.8
4/23/80	2	2.7	260.1	375	11.0	***	225	0.8
4/23/80	3	2.8	351.5	325	9.1	1.5	225	0.7
8/06/80	1	3.9	153.2	244	3.7	2.0	100	1.3
8/06/80	2	4.7	279.5	295	2.0	1.2	150	1.6
8/06/80	3	4.7	271.4	302	2.9	1.5	200	1.6
MEAN		3.1	195.5	289	5.7	1.2	141	1.7

WILDCAT LAKE LAKE COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	4.86	1	0	30	3.5	1.5	4.0	0.1	6.3	0.0
11/06/79	2	4.76	1	0	31	3.0	1.5	4.1	0.1	6.3	0.0
11/06/79	3	4.81	1	0	31	3.5	1.5	4.1	0.1	6.3	0.0
3/06/80	1	4.72	0	0	35	6.5	2.5	5.1	0.1	6.0	5.2
3/06/80	2	4.68	0	0	35	9.0	2.5	5.1	0.1	6.5	5.7
3/06/80	3	4.70	0	0	35	8.5	2.5	5.0	0.1	6.3	5.5
7/16/80	1	4.89	2	0	32	3.5	2.5	3.7	0.1	7.0	12.8
7/16/80	2	4.68	1	0	33	3.5	2.5	4.0	0.1	6.8	13.3
7/16/80	3	4.71	1	0	34	3.5	2.5	4.1	0.1	7.0	11.9
MEAN		4.75	1	0	33	4.9	2.2	4.4	0.1	6.5	6.0

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DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l Pt	SECCHI #
11/06/79	1	0.2	102.1	142	10.3	2.0	30	2.4
11/06/79	2	0.2	101.3	142	13.2	2.0	30	2.4
11/06/79	3	0.2	107.0	175	9.9	1.6	30	2.5
3/06/80	1	0.1	66.5	258	11.8	1.4	15	4.0
3/06/80	2	0.1	63.7	242	12.0	1.1	15	4.0
3/06/80	3	0.1	65.2	258	11.2	1.1	15	4.0
7/16/80	1	0.2	40.2	167	4.2	0.9	10	B
7/16/80	2	0.2	41.6	175	0.8	1.0	10	B
7/16/80	3	0.2	42.3	167	0.0	0.9	10	B
MEAN		0.1	70.0	192	8.2	1.3	18	3.2

LAKE WIMICO GULF COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
1/07/80	1	7.16	28	0	200	42.5	26.5	30.0	1.6	57.5	8.2
1/07/80	2	7.14	22	0	250	43.0	26.0	43.0	2.1	82.5	11.0
1/07/80	3	7.14	22	0	230	43.0	25.5	34.0	1.7	62.5	8.3
4/23/80	1	6.92	26	0	71	28.5	22.0	4.1	1.0	5.0	5.6
4/23/80	2	6.92	26	0	71	28.0	21.5	4.2	1.0	5.0	6.3
4/23/80	3	6.90	26	0	71	28.5	21.5	4.3	1.0	5.0	5.8
8/07/80	1	6.23	13	0	78	18.0	10.0	9.3	0.8	12.3	9.3
8/07/80	2	6.33	14	0	78	19.0	12.0	9.3	0.9	12.3	11.1
8/07/80	3	6.29	14	0	82	20.0	14.0	9.6	0.9	12.5	9.5
MEAN		6.62	21	0	126	30.1	19.9	16.4	1.2	28.3	8.3

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL a mg/m <sup>3</sup>	COLOR mg/l pt	SECCHI #
1/07/80	1	5.7	1673.9	675	17.7	2.8	75	0.2
1/07/80	2	5.8	845.9	508	38.5	3.0	75	0.3
1/07/80	3	5.9	852.3	525	27.0	3.2	75	0.3
4/23/80	1	5.3	1371.9	323	29.0	3.3	90	0.6
4/23/80	2	5.3	1391.1	359	27.3	3.9	90	0.6
4/23/80	3	5.4	1410.2	445	28.5	3.3	90	0.5
8/07/80	1	4.1	96.1	503	19.1	5.0	175	0.6
8/07/80	2	4.2	98.2	539	24.2	4.0	175	0.6
8/07/80	3	4.3	101.6	560	37.5	6.2	175	0.5
MEAN		5.1	871.2	493	27.6	3.9	113	0.5

LAKE WINNEMISSETT VOLUSIA COUNTY

DATE	SAMPLE	pH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	CHLORIDE mg/l	SULFATE mg/l
11/29/79	1	6.64	7	0	168	50.5	30.0	11.0	5.6	15.9	51.0
11/29/79	2	6.62	7	0	168	50.5	29.0	9.2	5.7	16.0	52.0
11/29/79	3	6.74	7	0	168	51.0	30.0	9.0	5.4	15.8	45.0
3/12/80	1	6.81	7	0	185	52.5	41.0	9.4	6.4	16.3	55.0
3/12/80	2	6.76	6	0	185	52.5	40.0	9.4	6.4	16.0	53.0
3/12/80	3	6.83	7	0	185	53.5	39.0	9.3	6.4	16.0	52.0
7/29/80	1	7.11	7	0	165	52.0	31.0	7.8	6.0	16.8	52.1
7/29/80	2	7.06	7	0	168	52.5	30.0	8.0	6.1	16.8	48.2
7/29/80	3	6.88	6	0	165	52.5	30.0	7.9	6.1	16.8	39.2
MEAN		6.80	7	0	173	51.9	33.3	9.0	6.0	16.3	49.7

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
11/29/79	1	0.3	9.1	267	15.4	1.3	5	4.8
11/29/79	2	0.3	9.1	250	16.0	1.5	5	4.8
11/29/79	3	0.3	7.8	258	16.8	1.3	5	4.8
3/12/80	1	0.2	10.7	358	0.9	0.5	0	6.6
3/12/80	2	0.2	10.5	333	0.9	0.4	0	6.6
3/12/80	3	0.2	5.7	192	0.7	0.6	0	6.6
7/29/80	1	0.2	9.8	244	4.1	0.9	10	6.0
7/29/80	2	0.1	9.8	223	4.4	1.2	5	6.0
7/29/80	3	0.2	9.0	208	3.9	1.0	5	5.9
MEAN		0.2	9.1	259	7.0	1.0	4	5.8

LAKE YALE LAKE COUNTY

DATE	SAMPLE	PH	TOTAL ALKALINITY mg/l CaCO <sub>3</sub>	PHENOL ALKALINITY mg/l CaCO <sub>3</sub>	SPECIFIC CONDUCTANCE $\mu$ mhos/cm 25 C	TOTAL HARDNESS mg/l CaCO <sub>3</sub>	CALCIUM HARDNESS mg/l CaCO <sub>3</sub>	SODIUM mg/l	POTASSIUM mg/l	COLOR mg/l Pt	CHLORIDE mg/l	SULFATE mg/l
11/06/79	1	8.31	114	0	250	109.0	64.5	20.0	3.4	10	22.8	4.8
11/06/79	2	8.32	115	0	250	109.0	65.0	20.0	3.4	10	22.8	***
11/06/79	3	8.38	116	0	255	108.5	64.5	20.0	3.3	10	22.8	4.7
3/27/80	1	8.23	116	0	270	114.5	69.0	22.0	3.8	5	22.8	5.1
3/27/80	2	8.27	116	0	270	114.0	69.0	21.0	3.8	5	22.5	4.7
3/27/80	3	8.29	116	0	270	114.0	68.5	21.0	3.7	5	22.8	4.2
3/27/80	1	8.27	115	0	270	119.0	72.0	19.0	3.7	5	22.8	10.5
7/21/80	2	8.50	120	2	270	117.0	72.0	19.0	3.7	5	23.3	12.6
7/21/80	3	8.47	120	1	270	117.0	71.0	19.0	3.7	5	23.3	11.2
7/21/80	MEAN	8.33	116	0	264	113.6	68.3	20.1	3.6	7	22.9	7.2

DATE	SAMPLE	SILICA mg/l	TOTAL Fe mg/m <sup>3</sup>	TOTAL N mg/m <sup>3</sup>	TOTAL P mg/m <sup>3</sup>	CHLORO-PHYLL mg/m <sup>3</sup> la	COLOR mg/l Pt	SECCHI #
11/06/79	1	1.8	84.4	***	17.4	10.5	10	1.4
11/06/79	2	1.9	69.7	408	16.4	10.7	10	1.4
11/06/79	3	1.9	73.6	467	16.4	9.9	10	1.4
3/27/80	1	0.2	59.4	833	16.2	8.3	5	1.2
3/27/80	2	0.1	61.3	700	16.9	10.2	5	1.4
3/27/80	3	0.1	60.7	783	14.2	8.6	5	1.4
7/21/80	1	2.0	50.0	776	11.9	9.7	5	1.4
7/21/80	2	2.0	45.8	769	9.6	9.9	5	1.4
7/21/80	3	2.0	47.9	725	9.4	10.0	5	1.5
MEAN		1.3	61.4	683	14.3	9.6	7	1.4