

2005 Trophic State Index Ranking of City of Orlando Lakes
 (Information Based on Average Trophic State Index Scores in 2005)

2005 TSI RANK	LAKE NAME	TSI (FL)	TOTAL PHOSPHORUS (mg/l)	TOTAL NITROGEN (mg/l)	CHLOR. <u>A</u> (mg/m3)	SECCHI DEPTH (meters)	TROPIC STATE
1	BALDWIN	29.8	0.011	0.49	1.9	2.74	Oligotrophic
2	SUSANNAH	29.8	0.013	0.47	2.4	3.39	Oligotrophic
3	SHANNON	30.6	0.017	0.62	2.0	3.59	Oligotrophic
4	TENNESSEE	31.7	0.017	0.49	4.8	4.09	Oligotrophic
5	GEORGE	33.7	0.013	0.54	3.4	2.74	Oligotrophic
6	FREDRICA	35.0	0.021	0.54	3.0	2.59	Oligotrophic
7	SPRING SOUTHWEST	35.6	0.012	0.54	3.9	2.31	Oligotrophic
8	SANDY	36.5	0.108	0.81	1.3	2.36	Oligotrophic
9	SUNSET	36.6	0.024	0.58	3.4	2.52	Oligotrophic
10	NONA	37.3	0.013	0.47	2.3	1.57	Oligotrophic
11	PORTER	38.7	0.019	0.50	6.9	2.52	Oligotrophic
12	FARRAR	39.0	0.020	1.04	4.3	2.54	Oligotrophic
13	PAMELA	39.7	0.016	0.89	3.6	1.84	Oligotrophic
14	CANE	40.6	0.015	0.62	4.6	1.73	Oligotrophic
15	IVANHOE EAST	41.4	0.017	0.64	5.6	1.97	Oligotrophic
16	CAY DEE NORTH	42.0	0.028	0.72	5.8	2.13	Oligotrophic
17	HIAWASSEE	42.5	0.022	0.75	5.3	2.15	Oligotrophic
18	BUCK	42.6	0.021	0.65	2.8	1.47	Oligotrophic
19	IVANHOE MIDDLE	42.8	0.019	0.59	6.8	2.07	Oligotrophic
20	BARTON	43.1	0.013	0.66	7.3	1.54	Oligotrophic
21	KRISTY	43.4	0.037	0.64	6.0	1.98	Oligotrophic
22	DRUID	43.4	0.035	0.53	5.7	1.78	Oligotrophic
23	TURKEY	43.6	0.026	0.73	5.5	1.73	Oligotrophic
24	CAY DEE SOUTH	43.7	0.024	0.75	6.6	2.19	Oligotrophic
25	SARAH	44.1	0.022	0.75	5.8	1.88	Oligotrophic
26	FORMOSA	44.6	0.023	0.68	5.6	1.50	Oligotrophic
27	KELLY	45.5	0.038	0.67	6.2	1.67	Oligotrophic
28	DOVER	45.5	0.038	0.59	6.4		Oligotrophic
29	SILVER	45.8	0.028	0.72	7.6	1.7	Oligotrophic
30	BEARDALL	46.1	0.051	0.80	4.3	1.53	Oligotrophic
31	FAIRVIEW	46.1	0.021	0.76	7.4	1.67	Oligotrophic
32	RABAMA	46.2	0.054	0.71	12.4	2.47	Oligotrophic
33	COMO	47.8	0.076	0.90	8.6	2.10	Oligotrophic
34	THERESA	48.0	0.065	0.65	7.2	1.63	Oligotrophic
35	ESTELLE EAST	48.1	0.027	0.77	9.2	1.45	Oligotrophic
36	RED	48.3	0.028	0.64	5.8	1.08	Oligotrophic
37	ESTELLE WEST	48.8	0.034	0.63	8.1	1.28	Oligotrophic
38	LORNA DOONE	49.0	0.032	0.63	10.8	1.41	Oligotrophic
39	UNDERHILL	49.1	0.029	0.75	10.3	1.41	Oligotrophic
40	IVANHOE WEST	49.7	0.031	0.62	12.6	1.40	Oligotrophic
41	DANIEL	49.9	0.029	0.77	9.4	1.25	Oligotrophic
42	GREENWOOD	50.0	0.133	0.82	7.5	1.46	Oligotrophic
43	PARK	50.0	0.055	0.65	11.3	1.57	Mesotrophic
44	HIGHLAND	51.7	0.037	0.68	11.6	1.20	Mesotrophic
45	CATHERINE	52.5	0.040	0.95	12.5	1.31	Mesotrophic
46	SUE	52.6	0.022	0.76	7.5	0.92	Mesotrophic
47	ROWENA	53.0	0.025	0.77	10.7	1.16	Mesotrophic
48	GEAR	53.3	0.060	0.96	19.7	1.71	Mesotrophic
49	PINELOCH	53.4	0.034	0.79	15.2	1.18	Mesotrophic
50	ARNOLD	54.0	0.033	0.76	16.1	1.12	Mesotrophic
51	GEM MARY	54.5	0.034	0.93	15.1	1.12	Mesotrophic
52	CONCORD	54.8	0.048	0.80	18.9	1.3	Mesotrophic

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53	CLEAR	54.8	0.025	0.80	12.3	1.03	Mesotrophic
54	HOLDEN	55.2	0.021	1.03	15.3	0.96	Mesotrophic
55	LANCASTER	55.3	0.037	0.77	17.9	1.08	Mesotrophic
56	EOLA	55.8	0.062	0.68	15.1	1.07	Mesotrophic
57	LUCERNE EAST	56.2	0.034	0.84	18.6	1.00	Mesotrophic
58	CHEROKEE	56.3	0.048	0.94	14.1	1.00	Mesotrophic
59	DOT	56.4	0.054	0.89	21.4	1.2	Mesotrophic
60	MUD	56.4	0.050	0.83	7.2	0.70	Mesotrophic
61	GILES	57.0	0.036	0.86	18.5	0.95	Mesotrophic
62	COPELAND	57.1	0.040	0.94	19.5	1.02	Mesotrophic
63	LUCERNE WEST	57.5	0.023	0.87	20.6	0.94	Mesotrophic
64	FRAN	57.7	0.057	1.00	16.5	1.01	Mesotrophic
65	LURNA	57.9	0.047	0.76	22.7	1.00	Mesotrophic
66	WARREN	58.2	0.030	1.16	11.8	0.82	Mesotrophic
67	WELDONA	58.9	0.053	1.00	21.1	0.99	Mesotrophic
68	TERRACE	58.9	0.061	1.01	21.2	1.04	Mesotrophic
69	MARE PRAIRIE	59.3	0.058	0.93	15.8	0.83	Mesotrophic
70	ROCK	59.3	0.036	1.08	14.9	0.94	Mesotrophic
71	EMERALD	59.6	0.059	1.01	24.7	1.03	Mesotrophic
72	WINYAH	59.8	0.072	0.92	24.7	1.04	Mesotrophic
73	BEAUTY	61.2	0.073	1.14	26.7	1.02	Eutrophic
74	LAWSONA	61.2	0.112	0.96	18.2	0.81	Eutrophic
75	ORLANDO	61.4	0.056	1.25	18.0	0.78	Eutrophic
76	OLIVE	61.7	0.140	1.14	19.2	0.90	Eutrophic
77	MICHELLE	61.8	0.122	0.97	17.7	0.76	Eutrophic
78	C	62.0	0.064	0.93	33.0	0.93	Eutrophic
79	BAY	62.0	0.037	1.47	15.3	0.74	Eutrophic
80	KASEY	62.5	0.049	0.96	26.1	0.73	Eutrophic
81	ANGEL	62.7	0.078	1.34	31.4	1.02	Eutrophic
82	SANTIAGO	62.8	0.056	0.98	27.6	0.77	Eutrophic
83	MANN	62.9	0.035	1.23	17.2	0.70	Eutrophic
84	ADAIR	63.3	0.071	1.17	28.5	0.85	Eutrophic
85	WADE	64.1	0.079	1.10	31.2	0.83	Eutrophic
86	SPRING NORTHWEST	64.8	0.066	1.26	26.0	0.71	Eutrophic
87	LAWNE	65.6	0.065	1.59	25.0	0.69	Eutrophic
88	DAVIS	66.8	0.083	1.27	29.2	0.65	Eutrophic
89	FAIRHOPE	67.7	0.116	1.27	36.5	0.74	Eutrophic
90	RICHMOND	68.8	0.068	1.46	33.3	0.56	Eutrophic
91	WALKER	69.8	0.110	1.57	35.8	0.62	Eutrophic
92	LAKE OF THE WOODS	73.8	0.140	1.40	50.9	0.51	Hypereutrophic
93	KOZART	74.7	0.099	1.86	42.3	0.42	Hypereutrophic

2005 TROPHIC STATE INDEX (TSI) SUMMARY			
	Range	Quantity	Percentile
Oligotrophic Lakes	TSI = < 50	42	45.2%
Mesotrophic Lakes	TSI = 50-59	30	32.3%
Eutrophic Lakes	TSI = 60-69	19	20.4%
Hypereutrophic Lakes	TSI = \geq 70	2	2.2%
Lakes with "Good" Water Quality	TSI = 0 - 59	72	77.4%
Lakes with "Fair" Water Quality	TSI = 60-69	19	20.4%
Lakes with "Poor" Water Quality	TSI = \geq 70	2	2.2%
Total Lakes in Analysis		93	100.0%