

GEOHYDROLOGIC RECONNAISSANCE OF DRAINAGE
WELLS IN FLORIDA

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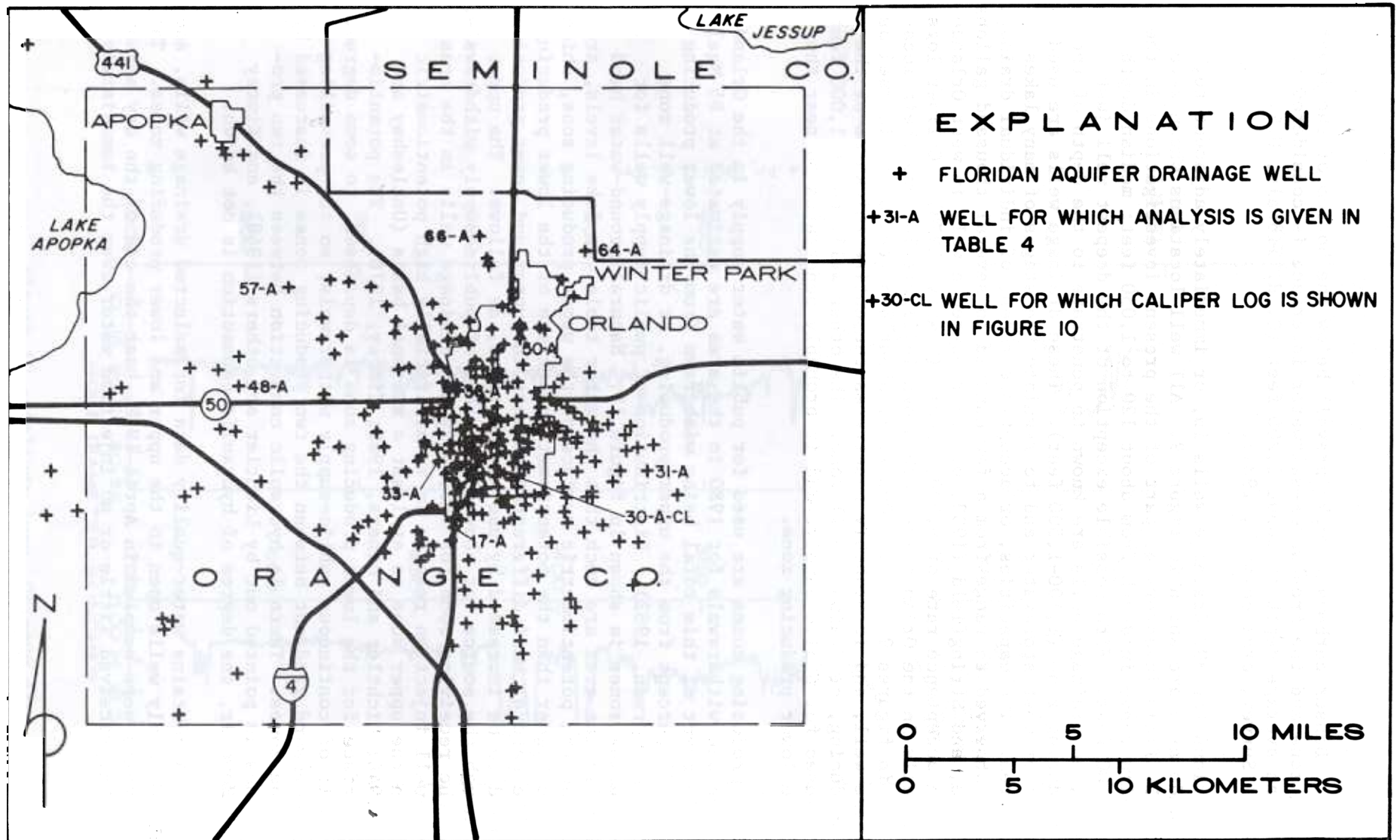


Figure 9.--Locations of Floridan aquifer drainage wells, Orlando, area.

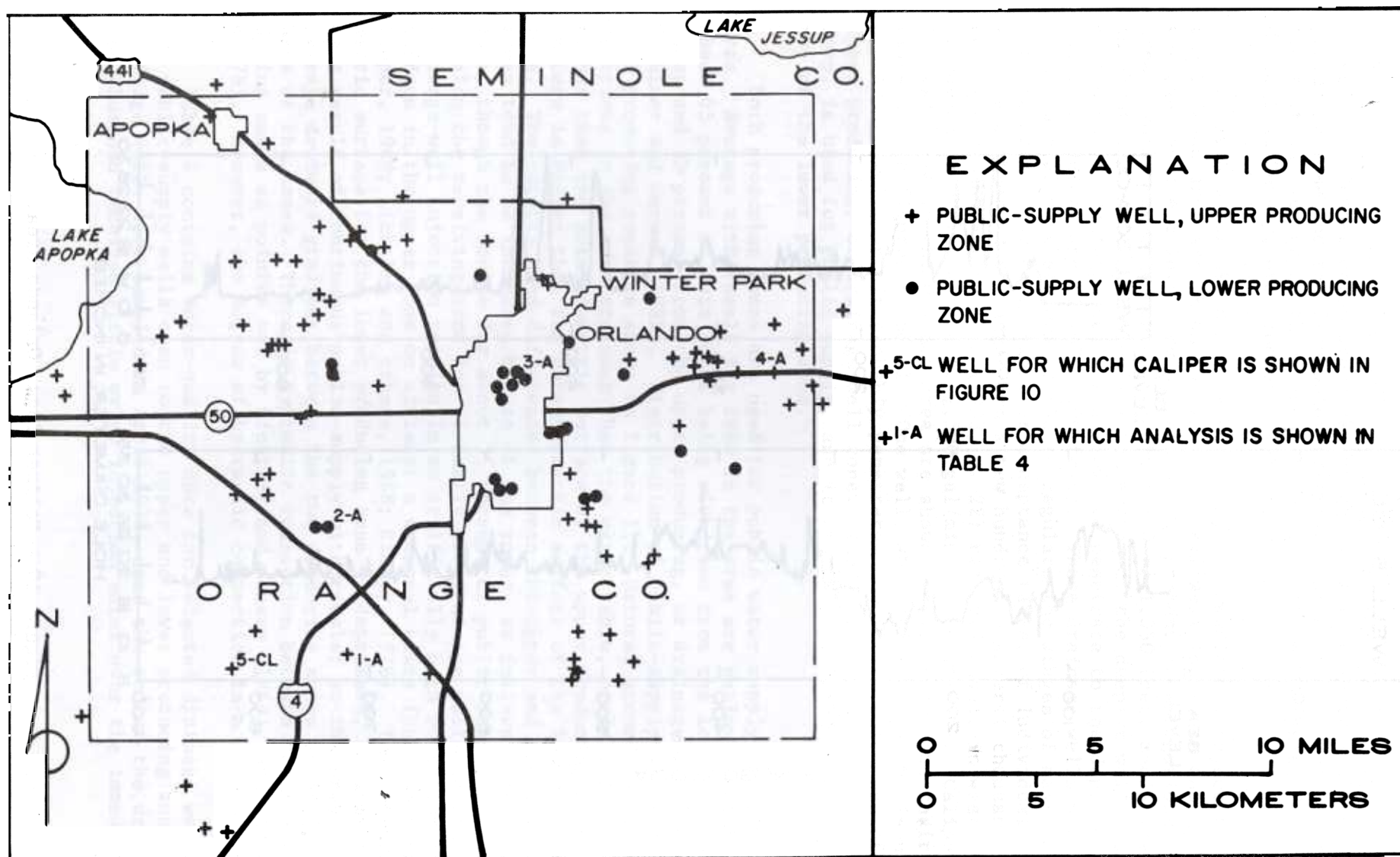


Figure 11.--Locations of public-supply wells, Orlando area.

Table 4.--Analyses of water from Floridan aquifer drainage and public-supply wells.
Orlando area

STATION NUMBER	STATION NAME	SITE NUMBER	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (NTU)
DRAINAGE WELLS (FIGURE 9)							
283002081234701	83012307 HOWARD JOHNSONS DRAINAGE WELL	17	78-04-19	242	7.5	5	5.0
283154081220701	83112204 LAKE DAVIS DRAINAGE WELL	30	78-04-17	321	6.8	10	2.0
283157081180401	83111802 ENGLEWOOD S/D DRAINAGE WELL	31	78-04-18	241	7.0	10	2.0
283211081241001	83212402 ORLANDO CITY YARD DRAINAGE WELL	33	78-04-27	328	7.0	20	1.0
283321081231801	83312311 LAKE CONCORD DRAINAGE WELL	36	78-04-10	313	7.7	10	5.0
283416081295901	83412901 LAKE FLORENCE DRAINAGE WELL	48	78-04-13	311	7.3	5	5.0
283530081214301	83512107 LAKE MIDGET DRAINAGE WELL 2-7627	50	78-04-26	290	7.0	10	3.0
283655081283401	83612801 LONG LAKE DRAINAGE WELL	57	78-04-12	266	7.5	10	16
283717081194202	83711904 LAKEMONT AVE DRAINAGE WELL	64	78-04-25	345	7.4	5	1.0
283735081224001	83712201 LAKE SYBELIA DRAINAGE WELL W-156	66	78-04-20	258	7.1	10	1.0
PUBLIC-SUPPLY WELLS (FIGURE 11)							
282654081265701	ORLANDO UTIL. NO 11, SAND LK RD AT ORL, FLA	1	77-09-06	230	7.7	0	
283350081154301	EAST DALE ACRES P S, ORANGE CO, FLA	4	77-09-03	278	7.2	0	
283006081273701	ORLANDO UTILITIES, KIRKMAN RD AT ORL, FLA	2	77-09-02	260	7.8	0	
283353081222401	ORLANDO UTILITIES NO 2 LK IVANHOE AT ORL, FLA	3	77-09-02	258	7.7	0	

DATE OF SAMPLE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS, AS (MG/L CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SULFATE, DIS-SOLVED (MG/L AS SO4)
78-04-19	22	6.8	5600	940	78	20	23	5.0	15	3.7	19	22
78-04-17	6	1.2	1	0	140	1	47	5.0	8.8	1.6	14	5.9
78-04-18	10	.7	410	210	110	18	33	6.1	7.5	1.1	15	12
78-04-27	14	1.8	330	34	150	4	45	9.1	9.5	1.6	13	9.0
78-04-10	8	.7	190	4	140	14	42	7.7	8.9	2.0	15	12
78-04-13	34	8.0	0	0	140	61	34	13	5.8	2.2	15	39
78-04-26	26	--	2200	650	140	0	47	4.4	4.0	1.8	4.9	13
78-04-12	8	.3	16	0	120	18	35	8.0	5.6	1.3	10	20
78-04-25	1	2.4	14	10	160	9	50	8.2	8.7	.9	15	8.7
78-04-20	0	.0	39	8	110	18	34	5.7	8.0	1.6	15	13
77-09-06	5	1.3	0	0	120	18	37	5.7	5.7	1.1	9.0	9.4
77-09-03	2	1.2	0	0	130	0	41	6.9	7.0	.9	9.3	5.3
77-09-02	30	2.4	0	0	120	25	35	8.5	5.2	1.9	7.9	17
77-09-02	3	1.2	0	0	120	13	34	8.3	6.7	1.0	9.9	4.7

DATE OF SAMPLE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	ALKALINITY, FIELD (MG/L AS CACO3)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)
78-04-19	146	124	58	.1	1.3	.41	.020	.300	1.5	2.2	.150	290
78-04-17	162	176	139	.1	5.5	.00	<.010	2.00	.19	2.2	.300	80
78-04-18	109	135	92	.1	4.7	.09	<.010	.030	.25	.37	.040	190
78-04-27	190	188	146	.2	11	.00	<.010	.400	.27	.67	.360	40
78-04-10	170	169	120	.2	4.5	.01	<.010	.560	.15	.72	.120	60
78-04-13	221	163	78	.1	6.7	2.4	.140	.050	.10	2.7	.100	90
78-04-26	164	168	141	.1	3.5	.00	<.010	.900	.25	1.2	.660	40
78-04-12	141	154	102	.1	7.4	.85	.010	.050	.24	1.2	.270	500
78-04-25	198	191	151	.1	8.7	.00	<.010	.370	.14	.51	.420	80
78-04-20	130	139	92	.1	4.6	.07	.010	.370	.14	.59	.120	80
77-09-06	123	136	98	.1	9.1	.00	<.010	.280	.00	.28	.110	<100
77-09-03	160	163	130	.2	13	.00	<.010	.280	.01	.29	.050	20
77-09-02	157	147	98	.1	11	.00	<.010	.200	.01	.21	.050	20
77-09-02	175	140	110	.1	11	.00	<.010	.350	.00	.35	.050	10