

Charlotte County

WATER RESOURCES DATA - FLORIDA, 2005

VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 14

CHARLOTTE COUNTY

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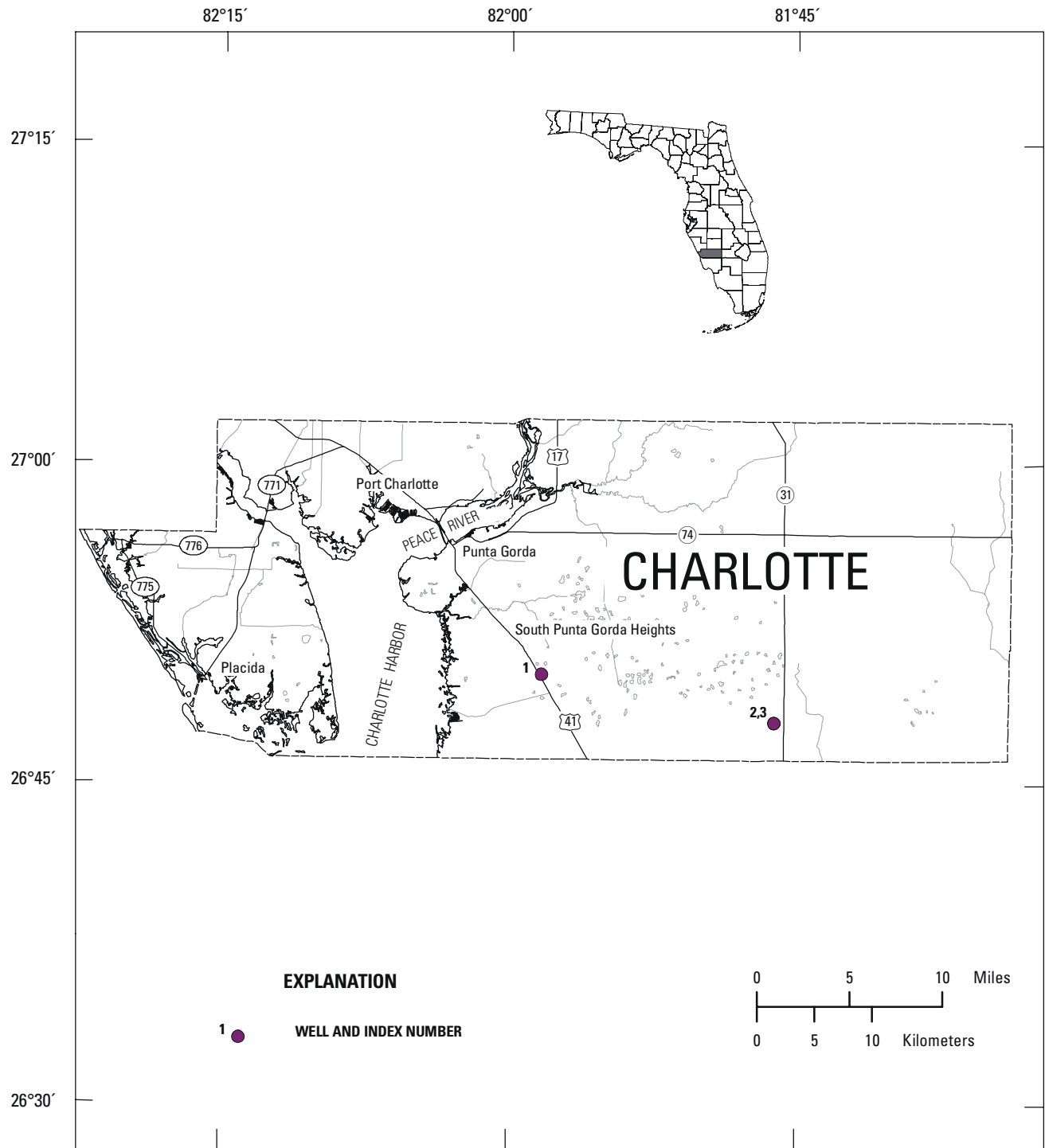


Figure 14: Location of wells in Charlotte County

CHARLOTTE COUNTY

WELL NUMBER.--264755081460801. Local Number CH 323. USGS Observation Well near Alva, FL.

LOCATION.--Lat 26°47'54", long 81°46'09", in NE 1/4 NE 1/4 NW 1/4 sec.25, T.42 S., R.25 E., Hydrologic Unit 03090205, 10 ft north of Coral Rock Quarry Road, 75 ft south of Cook Brown Road, 0.6 mi west of State Road 31, 2.0 mi north of Lee/Charlotte County line.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 33 ft, cased to 19 ft, screened from 19 to 33 ft with 0.02 screen. (Corrected).

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Measuring point: Top of casing, 34.17 ft above National Geodetic Vertical Datum of 1929.

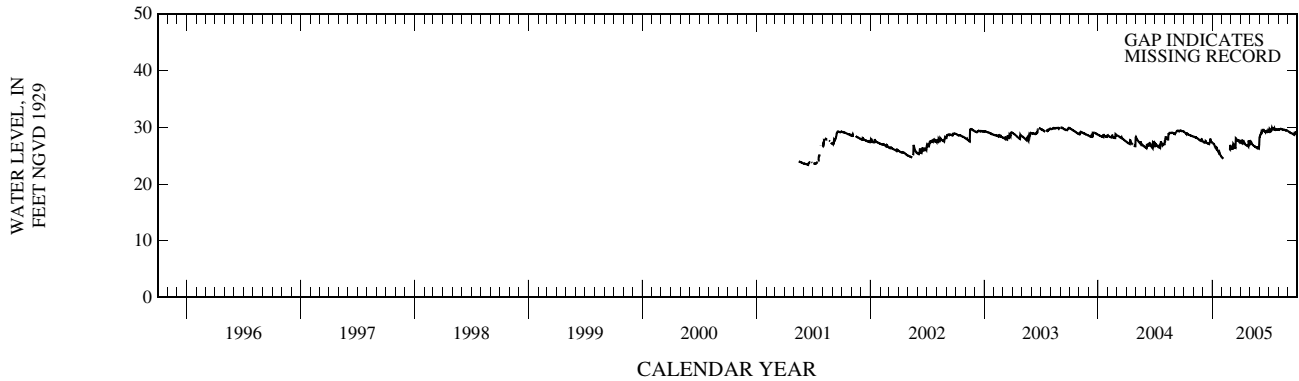
LAND-SURFACE DATUM.--Land surface is approximately 30.7 ft above NGVD.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 29.94 ft NGVD, Sept. 6, 2003; lowest, 23.37 ft NGVD, June 15, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.04	28.28	27.33	27.07	24.44	26.26	27.25	27.42	28.81	29.31	29.67	29.13
10	28.77	28.26	27.57	26.54	---	26.99	27.24	26.93	29.20	29.62	29.67	28.96
15	28.75	28.00	27.17	26.38	---	26.40	27.04	26.68	29.43	29.74	29.55	28.84
20	28.61	27.76	27.07	25.66	---	27.76	26.80	26.49	29.23	29.64	29.55	28.64
25	28.49	27.87	28.00	25.21	26.13	27.58	26.71	26.49	29.14	29.38	29.44	28.89
EOM	28.36	27.53	27.28	24.73	26.70	27.41	27.07	26.92	29.32	29.61	29.32	29.21
MAX	29.23	28.35	28.00	27.24	---	28.06	27.68	27.50	29.55	29.91	29.71	29.28



CHARLOTTE COUNTY—Continued

WELL NUMBER.--264755081460802. Local Number CH 324. USGS Observation Well near Alva, FL.

LOCATION.--Lat 26°47'54", long 81°46'09", in NE 1/4 NE 1/4 NW 1/4 sec.25, T.42 S., R.25 E., Hydrologic Unit 03090205, 10 ft north of Coral Rock Quarry Road, 75 ft south of Cook Brown Road, 0.6 mi west of State Road 31, 2.0 mi north of Lee/Charlotte County line.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 112 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 192 ft, cased to 179 ft, screened from 179 to 188 ft with 0.02 screen, open hole 188 to 192 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Measuring point: Top of casing, 33.69 ft above National Geodetic Vertical Datum of 1929.

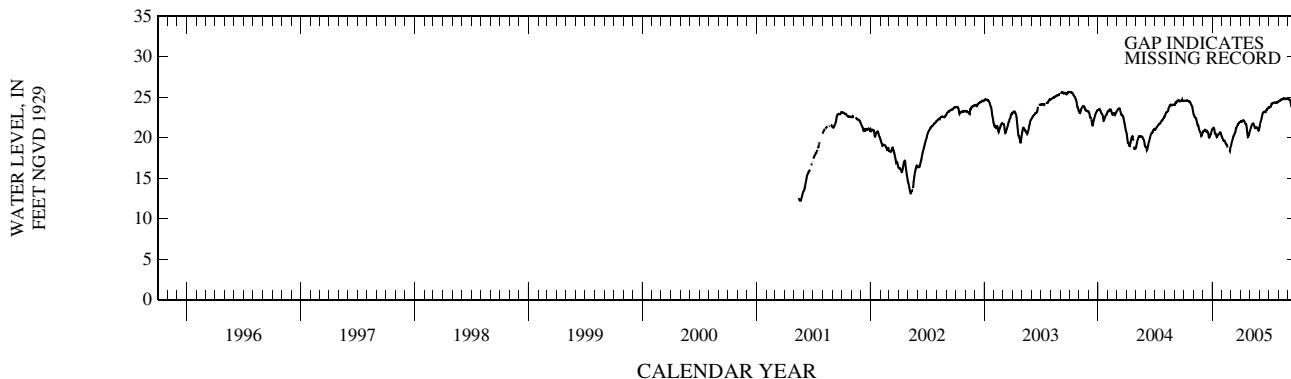
LAND-SURFACE DATUM.--Land surface is approximately 30.9 ft above NGVD.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.64 ft NGVD, Sept. 28, 29, 2003; lowest, 12.22 ft NGVD, May 21, 22, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.54	22.58	20.81	21.21	19.64	19.56	22.04	21.32	22.00	23.78	24.58	24.68
10	24.55	22.30	20.91	20.55	19.52	20.17	22.09	21.72	22.87	24.18	24.71	24.03
15	24.54	21.51	20.73	20.05	19.17	20.61	21.84	21.48	23.17	24.29	24.74	23.47
20	24.44	20.93	20.22	20.39	---	21.29	21.51	21.25	23.13	24.34	24.82	22.69
25	24.08	20.39	20.36	20.65	18.44	21.70	20.07	21.21	23.47	24.29	24.76	22.48
EOM	23.20	20.58	21.00	20.15	18.78	21.92	20.63	20.99	23.73	24.44	24.76	23.13
MAX	24.59	22.96	21.00	21.23	---	21.92	22.11	21.76	23.73	24.44	24.85	24.75



CHARLOTTE COUNTY—Continued

WELL NUMBER.--265004081581901. Local Number CH 311. USGS Observation Well near Punta Gorda, FL.

LOCATION.--Lat 26°50'06", long 81°58'18", in NW ¼ NW ¼ SW ¼ sec.12, T.42 S., R.23 E., Hydrologic Unit 03100103, 30 ft south of fence, 0.1 mi east of U.S. Highway 41, at the Division of Forestry Fire Control Headquarters, 2.8 mi north of Zemel Road.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 220 ft, cased to 180 ft, open hole 180 to 200 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of 4 in. casing, 26.78 ft above National Geodetic Vertical Datum of 1929. Prior to August 2001, measuring point was 26.92 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 24.8 ft above NGVD.

REMARKS.--Well also used for salinity monitoring from September 1975 to July 2000. Conductivity and chloride profiles are available in the files of the U.S. Geological Survey. Records of water levels prior to October 1991 are available in the files of the U.S. Geological Survey. In August 2001, site was rebuilt due to vehicle accident.

PERIOD OF RECORD.--January 1973 to October 1976 (daily), November 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.89 ft NGVD, Mar. 5, 1973; lowest measured, 19.01 ft NGVD, Nov. 23, 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Date	Time	Elevation, feet above NGVD (72020)
OCT 13...	0841	24.50	APR 19...	1027	23.18
NOV 15...	1049	24.22	MAY 23...	0946	23.51
DEC 15...	1419	24.15	JUN 16...	0807	24.11
JAN 25...	1209	24.07	JUL 13...	0917	24.52
FEB 23...	0919	23.05	AUG 16...	0926	24.68
MAR 22...	1346	23.37	SEP 21...	0926	24.60

