

264532080545902 Local number HE -1145S

Surficial Aquifer System

Hendry County, FL

LOCATION.--Lat 26°45'31.9", long 80°54'58.9" referenced to North American Datum of 1983, Hendry County, FL, Hydrologic Unit 03090202, south of the Herbert Hoover Dike at Lake Okeechobee, 1,700 ft north of U.S. Highway 27 and 730 ft southeast of the Industrial Canal locks.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 60 ft. Upper casing diameter 0.75; top of first opening 55 ft, bottom of last opening 60 ft.

DATUM.--Land-surface datum is 16.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: From April 15, 2011, to present, measuring point has been top of casing, 16.3 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 2011 to current year. See REMARKS.

INSTRUMENTATION.--Bimonthly measurement with chalked steel tape or electric tape. See REMARKS.

REMARKS.--Well is also used for salinity monitoring.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 13.37 ft NGVD, Aug. 30, 2012; lowest, 11.21 ft NGVD, Apr. 24, 2012.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 150 mg/L, Aug. 30, 2012; lowest, 140 mg/L, many days during water year 2012.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[NGVD, National Geodetic Vertical Datum; ft, feet; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Elevation above NGVD 1929, ft (72020)	Chloride, water, unfiltered, mg/L (99220)
October 19, 2011	1120	1,410	11.77	140
December 15, 2011	0921	1,330	12.90	140
February 24, 2012	1257	1,350	12.12	140
April 24, 2012	1607	1,330	11.21	140
June 19, 2012	0904	1,340	11.65	140
August 30, 2012	0929	1,310	13.37	150