

**264912081024601 Local number GL -332**

Surficial Aquifer System

Glades County, FL

LOCATION.--Lat 26°49'11.6", long 81°02'46.3" referenced to North American Datum of 1983, Glades County, FL, Hydrologic Unit 03090202, on a berm just south of the Herbert Hoover Dike at Lake Okeechobee, 0.5 mi north of Palm Beach County Road 720 and 2.7 mi southeast of the Caloosahatchee River gate S-235.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 130.6 ft. Upper casing diameter 2; top of first opening 120 ft, bottom of last opening 125 ft.

DATUM.--Land-surface datum is 21.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: From April 18, 2011, to present, measuring point has been top of casing, 21.6 ft above National Geodetic Vertical Datum of 1929.

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

INSTRUMENTATION.--Bimonthly measurement with chalked steel tape or electric tape. Bimonthly profile with electromagnetic induction logger. See REMARKS.

REMARKS.--Well is also used for salinity monitoring, including monthly induction logs beginning August 2011. Induction logs are used to assess the movement of the fresh-water/salt-water interface in groundwater. See [RECORDS OF BULK CONDUCTIVITY](#).

In order to display changes in bulk conductivity between induction logs collected over the period of record, each log has been adjusted to a median conductivity value at a depth that corresponds to a stable lithologic feature which produces a consistent conductivity profile, based on data collected from 2011 to the current year. These adjustments compensate for small variations in equipment response resulting from variations in environmental conditions and/or probe calibrations. For this station, induction logs are adjusted to a mean response of 38.8 mS/m at a depth of 27.4 ft below land surface. The resulting plot of logs collected from 2011 to the current year is provided in this report. The original and corrected records of bulk conductivity, in millisiemens per meter, are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 12.44 ft NGVD, Aug. 30, 2012; lowest, 11.37 ft NGVD, Aug. 10, 2011.

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[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)
August 10, 2011	0907	2,450	11.37	480

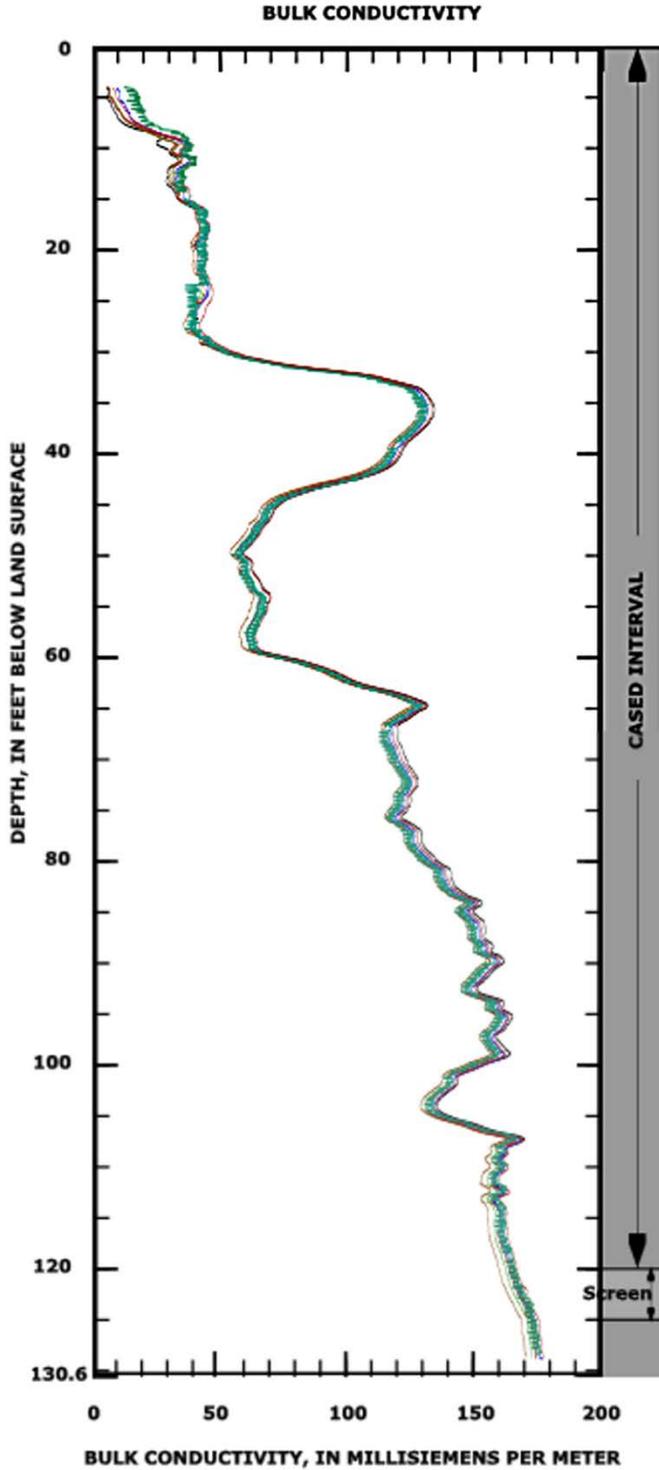
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**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2011 TO  
SEPTEMBER 2012**[NGVD, National Geodetic Vertical Datum; ft,  
feet]

<b>Date</b>	<b>Sample start time</b>	<b>Elevation above NGVD 1929, ft (72020)</b>
<b>October 19, 2011</b>	<b>0842</b>	11.91
<b>December 15, 2011</b>	<b>0716</b>	12.02
<b>February 28, 2012</b>	<b>1310</b>	11.75
<b>April 26, 2012</b>	<b>0737</b>	11.43
<b>June 19, 2012</b>	<b>0700</b>	11.48
<b>August 30, 2012</b>	<b>0719</b>	12.44



WY 2012 Induction log results  
 Station: USGS 264912081024601  
 Local name: GL - 322



**INDUCTION LOG DATES,  
 ASSOCIATED CHLORIDE SAMPLE DATES**

Induction log date	Chloride sample date	Dissolved chloride concentration, in mg/L
Aug. 10, 2011	Aug. 10, 2011	480
Oct. 19, 2011	Oct. 19, 2011	-- no sample --
Dec. 15, 2011	Dec. 15, 2011	-- no sample --
Feb. 28, 2012	Feb. 28, 2012	-- no sample --
Apr. 26, 2012	Apr. 26, 2012	-- no sample --
June 19, 2012	June 19, 2012	-- no sample --
Aug. 30, 2012	Aug. 30, 2012	-- no sample --