



Water-Data Report 2011

324121091521502 Local number Mo- 253

Mississippi embayment aquifer system
Sparta Aquifer

Morehouse Parish, LA

LOCATION.--Lat 32°41'21", long 91°52'15" referenced to North American Datum of 1927, in sec.29, T.20 N., R.6 E., Morehouse Parish, LA, Hydrologic Unit 08050001.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 774 ft. Upper casing diameter 6.00 in; top of first opening 743 ft, bottom of last opening 773 ft.

DATUM.--Land-surface datum is 82 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Louisiana Department of Natural Resources.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[CaCO₃, calcium carbonate; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Color, water, filtered, platinum cobalt units (00080)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constituents, mg/L (70301)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)
04-13-2011	30	8.7	1,970	25.4	1,090	1,080	5.21	1.56	.320	1.68
09-28-2011	25	8.8	1,980	25.4	1,100	< 1,060	5.35	1.61	.326	1.71

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[CaCO₃, calcium carbonate; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection- point, incremental	Bicarbonate, water, filtered, inflection- point, incremental	Bromide, water, filtered, mg/L (71870)	Carbonate, water, filtered, inflection- point incremental	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)
		method, field, mg/L as CaCO ₃ (39086)	method, field, mg/L (00453)		titration method, field, mg/L (00452)				
04-13-2011	437	384	440	2.04	13.7	396	.87	12.2	3.15
09-28-2011	412	382	429	2.18	18.1	404	.84	11.6	< .45

Date	Iron, water, filtered, µg/L (01046)	Manganese, water, filtered, µg/L (01056)
04-13-2011	42	1.9
09-28-2011	46	1.5