

Water-Data Report 2013

**321551093004001 Local number Bi- 288**

Mississippi embayment aquifer system  
Sparta Aquifer

Bienville Parish, LA

LOCATION.--Lat 32°15'51", long 93°00'40" referenced to North American Datum of 1927, in sec.29, T.15 N., R.6 W., Bienville Parish, LA, Hydrologic Unit 11140208.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 155 ft. Upper casing diameter 10 in; top of first opening 135 ft, bottom of last opening 155 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; MF, membrane filter; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; col/100 mL, colonies per 100 milliliters; mg/L, milligrams per liter; per mil, parts per thousand; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; M, presence verified but not quantified]

Date	Sample start time	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)
10-08-2012	1100	8.6	5.2	28	19.0	26	1.17	0.424	0.98	2.41

Date	Sample start time	ANC, water, unfiltered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (00419)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Carbon dioxide, water, unfiltered, mg/L (00405)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)
10-08-2012	1100	3	3	4.3	0.021	47	1.90	< .04	12.0

321551093004001 Local number Bi- 288—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

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Date	Sample start time	Sulfate, water, filtered, mg/L (00945)	Ammonia,	Ammonia,	Nitrate plus nitrite,	Nitrate,	Nitrite,	Nitrite,	Organic nitrogen,	Orthophosphate,
			water, filtered, mg/L as NH <sub>4</sub> (71846)	water, filtered, mg/L as N (00608)	water, filtered, mg/L as N (00631)	water, filtered, mg/L as N (00618)	water, filtered, mg/L (71856)	water, filtered, mg/L as N (00613)	water, filtered, mg/L (00607)	water, filtered, mg/L (00660)
10-08-2012	1100	1.24	< .013	< .010	0.988	0.988	< .003	< .001	< .34	< .012

Date	Sample start time	Orthophosphate, water, filtered, mg/L as P (00671)	Total nitrogen,	Esche-	Total	Aluminum, water, filtered, µg/L (01106)	Barium, water, filtered, µg/L (01005)	Beryllium, water, filtered, µg/L (01010)	Cadmium, water, filtered, µg/L (01025)
			water, filtered, analytically determined, mg/L (62854)	richia coli, MI MF method, water, col/100 mL (90901)	coliform, MI MF method, water, col/100 mL (90900)				
10-08-2012	1100	< .004	1.33	< 1	35	38.7	22.8	0.036	0.045

Date	Sample start time	Chromium,	Cobalt,	Copper,	Iron,	Lead,	Lithium,	Manga-	Molyb-	Nickel,
		water, filtered, µg/L (01030)	water, filtered, µg/L (01035)	water, filtered, µg/L (01040)	water, filtered, µg/L (01046)	water, filtered, µg/L (01049)	water, filtered, µg/L (01130)	nese, water, filtered, µg/L (01056)	denum, water, filtered, µg/L (01060)	water, filtered, µg/L (01065)
10-08-2012	1100	< .07	0.480	4.3	< 4.0	0.395	1.32	1.04	< .014	0.72

Date	Sample start time	Silver,	Strontium,	Thallium,	Vanadium,	Zinc,	Antimony,	Arsenic,	Boron,	Selenium,
		water, filtered, µg/L (01075)	water, filtered, µg/L (01080)	water, filtered, µg/L (01057)	water, filtered, µg/L (01085)	water, filtered, µg/L (01090)	water, filtered, µg/L (01095)	water, filtered, µg/L (01000)	water, filtered, µg/L (01020)	water, filtered, µg/L (01145)
10-08-2012	1100	< .005	6.40	0.032	< .08	4.2	< .027	< .04	9	0.08

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**WATER-QUALITY DATA**  
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Date	Sample start time	1,2,3-Trichloro-propane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, µg/L (82625)	1,2-Dibromo-ethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloro-ethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloro-propane, water, unfiltered, recoverable, µg/L (34541)	1,3-Dichloro-propane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)
10-08-2012	1100	< .120	< .400	< .028	< .08	< .0260	< .06	< .026	< .0360	< .0060

Date	Sample start time	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625)	3,5-Dichloro-aniline, water, filtered, recoverable, µg/L (61627)	3-Chloro-propene, water, unfiltered, recoverable, µg/L (78109)	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215)
10-08-2012	1100	< .010	< .006	< .010	< .0060	< .006	< .08	< .0080	< .010	< .56

Date	Sample start time	Alachlor, water, filtered, recoverable, µg/L (46342)	alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Bromo-methane, water, unfiltered, recoverable, µg/L (34413)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)
10-08-2012	1100	< .008	< .006	< .008	< .042	< .120	< .014	< .2	< .060

321551093004001 Local number Bi- 288—Continued

**WATER-QUALITY DATA**  
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Date	Sample start time	Carbofuran,	Carbon disulfide,	Chlorpyrifos	Chlorpyrifos,	cis-1,3-Di-	cis-Permeth-	cis-	Cyanazine,
		water,		analog,	water,	chloro-	rin, water,	Propicon-	
		(0.7 micron glass fiber filter),	water,	water,	filtered,	propene,	filtered	water,	water,
		recoverable,	unfiltered,	recoverable,	recover-	unfiltered,	(0.7 micron glass fiber filter),	filtered,	filtered,
		µg/L	µg/L	µg/L	able,	recover-	recover-	recover-	recover-
		(82674)	(77041)	(61636)	µg/L	able,	able,	able,	able,
					(38933)	µg/L	(34704)	(82687)	(04041)
10-08-2012	1100	<.060	<.1	<.08	<.0036	<.10	<.010	<.008	<.022

Date	Sample start time	Cyfluthrin,	Cyper-	DCPA,	Desulfinyl-	Desulfinyl-	Diazinon,	Dichlor-	Dicroto-	Dieldrin,
		water,	methrin,	water,	fipronil	fipronil-	water,	vos, water,	phos-	water,
		filtered,	water,	filtered	amide,	water,	filtered,	filtered,	water,	filtered,
		recover-	recover-	recover-	recover-	recover-	recover-	recover-	recover-	recover-
		able,	able,	able,	able,	able,	able,	able,	able,	able,
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		(61585)	(61586)	(82682)	(62169)	(62170)	(39572)	(38775)	(38454)	(39381)
10-08-2012	1100	<.016	<.020	<.0076	<.029	<.012	<.0060	<.04	<.08	<.008

Date	Sample start time	Dimetho-	Disulfoton	Disulfoton,	Endosulfan	EPTC,	Ethion	Ethion,	Ethoprop,	Fenami-
		ate, water,	sulfone,	water,	sulfate,	water,	monoxon,	water,	water,	phos
		filtered	water,	filtered	water,	filtered	water,	filtered,	filtered	sulfone,
		(0.7 micron glass fiber filter),	filtered,	(0.7 micron glass fiber filter),	filtered,	(0.7 micron glass fiber filter),	filtered,	filtered,	(0.7 micron glass fiber filter),	water,
		recover-	recover-	recover-	recover-	recover-	recover-	recover-	recover-	filtered,
		able,	able,	able,	able,	able,	able,	able,	able,	recover-
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	able,
		(82662)	(61640)	(82677)	(61590)	(82668)	(61644)	(82346)	(82672)	µg/L
										(61645)
10-08-2012	1100	<.0100	<.014	<.040	<.016	<.0056	<.021	<.010	<.016	<.054

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Date	Sample start time	Fenami-phos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenami-phos, water, filtered, recoverable, µg/L (61591)	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iodomethane, water, unfiltered, recoverable, µg/L (77424)	Iprodione, water, filtered, recoverable, µg/L (61593)
10-08-2012	1100	< .08	< .030	< .012	< .024	< .018	< .0048	< .012	< .26	< .014

Date	Sample start time	Isofenphos, water, filtered, recoverable, µg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, µg/L (61595)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered, (0.7 micron glass fiber filter), recoverable, µg/L (82667)	Metolachlor, water, filtered, recoverable, µg/L (39415)
10-08-2012	1100	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008	< .020

Date	Sample start time	Metribuzin, water, filtered, recoverable, µg/L (82630)	Molinate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82671)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)
10-08-2012	1100	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511	< .080

321551093004001 Local number Bi- 288—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

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Date	Sample start time	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82685)	Propyz-amide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Tefluthrin, water, filtered, recoverable, µg/L (61606)	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)
10-08-2012	1100	<.012	<.010	<.010	<.020	<.0036	<.006	<.028	<.014	<.045

Date	Sample start time	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthyl-azine, water, filtered, recoverable, µg/L (04022)	Thioben-carb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82681)	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, µg/L (34699)	trans-Propicon-azole, water, filtered, recoverable, µg/L (79847)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34506)
10-08-2012	1100	<.018	<.008	<.016	<.14	<.018	<.018	<.018	<.040	<.030

Date	Sample start time	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Di-chloro-ethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Di-chloro-propene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (49999)	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (77613)
10-08-2012	1100	<.14	<.022	<.046	<.044	<.022	<.040	<.10	<.080	<.06

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**WATER-QUALITY DATA**  
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Date	Sample start time	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34536)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, µg/L (77170)	2-Chloro-toluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyl-toluene, water, unfiltered, recoverable, µg/L (77220)
10-08-2012	1100	< .060	< .08	0.029	< .028	< .032	< .024	< .06	< .028	< .032

Date	Sample start time	4-Chloro-toluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyl-toluene, water, unfiltered, recoverable, µg/L (77356)	Acetone, water, unfiltered, recoverable, µg/L (81552)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Bromo-benzene, water, unfiltered, recoverable, µg/L (81555)	Bromo-chloro-methane, water, unfiltered, recoverable, µg/L (77297)	Bromo-dichloro-methane, water, unfiltered, recoverable, µg/L (32101)	Bromo-ethene, water, unfiltered, recoverable, µg/L (50002)	Chloro-benzene, water, unfiltered, recoverable, µg/L (34301)
10-08-2012	1100	< .042	< .06	< 3.4	< .026	< .022	< .06	< .034	< .12	< .026

Date	Sample start time	Chloro-ethane, water, unfiltered, recoverable, µg/L (34311)	Chloro-methane, water, unfiltered, recoverable, µg/L (34418)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (77093)	Dibromo-chloro-methane, water, unfiltered, recoverable, µg/L (32105)	Dibromo-methane, water, unfiltered, recoverable, µg/L (30217)	Dichloro-difluoro-methane, water, unfiltered, recoverable, µg/L (34668)	Dichloro-methane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)	Diiso-propyl ether, water, unfiltered, recoverable, µg/L (81577)
10-08-2012	1100	< .06	< .1	< .022	< .12	< .050	< .10	< .04	< .1	< .06

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**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

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Date	Sample start time	Ethyl methacrylate, water, unfiltered, recoverable, μg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, μg/L (81595)	Ethyl-benzene, water, unfiltered, recoverable, μg/L (34371)	Hexa-chloro-butadiene, water, unfiltered, recoverable, μg/L (39702)	Hexa-chloro-ethane, water, unfiltered, recoverable, μg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recoverable, μg/L (78133)	Isopropyl-benzene, water, unfiltered, recoverable, μg/L (77223)	Methyl acrylate, water, unfiltered, recoverable, μg/L (49991)	Methyl acrylonitrile, water, unfiltered, recoverable, μg/L (81593)
10-08-2012	1100	< .20	< 1.6	< .036	< .08	< .12	< .32	< .042	< .8	< .26

Date	Sample start time	Methyl methacrylate, water, unfiltered, recoverable, μg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recoverable, μg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recoverable, μg/L (50005)	m-Xylene plus p-xylene, water, unfiltered, recoverable, μg/L (85795)	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, μg/L (77103)	n-Butyl-benzene, water, unfiltered, recoverable, μg/L (77342)	n-Propyl-benzene, water, unfiltered, recoverable, μg/L (77224)	Organic carbon, water, filtered, mg/L (00681)
10-08-2012	1100	< .30	< .10	< .06	< .08	< .18	< .6	< .08	< .036	0.24

Date	Sample start time	o-Xylene, water, unfiltered, recoverable, μg/L (77135)	sec-Butyl-benzene, water, unfiltered, recoverable, μg/L (77350)	Styrene, water, unfiltered, recoverable, μg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recoverable, μg/L (50004)	tert-Butyl-benzene, water, unfiltered, recoverable, μg/L (77353)	Tetra-chloro-ethene, water, unfiltered, recoverable, μg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, μg/L (32102)	Tetra-hydro-furan, water, unfiltered, recoverable, μg/L (81607)	Toluene, water, unfiltered, recoverable, μg/L (34010)
10-08-2012	1100	< .032	< .034	< .042	< .032	< .060	< .026	< .06	< 1.4	< .02

321551093004001 Local number Bi- 288—Continued

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**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; MF, membrane filter; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; col/100 mL, colonies per 100 milliliters; mg/L, milligrams per liter; per mil, parts per thousand; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; M, presence verified but not quantified]

Date	Sample start time	trans-1,2-Dichloroethene, water, unfiltered, recoverable, μg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, μg/L (73547)	Tribromomethane, water, unfiltered, recoverable, μg/L (32104)	Trichloroethene, water, unfiltered, recoverable, μg/L (39180)	Trichloro-fluoromethane, water, unfiltered, recoverable, μg/L (34488)	Trichloromethane, water, unfiltered, recoverable, μg/L (32106)	Trihalomethanes, water, unfiltered, maximum summation, μg/L (90867)	Trihalomethanes, water, unfiltered, minimum summation, μg/L (90851)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)
10-08-2012	1100	< .018	< 2.0	< .10	< .022	< .06	0.02	< .3	M	< .06

Date	Sample start time	Carbon-14 error, water, filtered, percent modern (49934)	Carbon-14, water, filtered, percent modern (49933)	Radon-222, water, unfiltered, picocuries per liter (82303)	Tritium, water, unfiltered, picocuries per liter (07000)	Uranium (natural), water, filtered, μg/L (22703)	Carbon-13/Carbon-12 ratio, water, unfiltered, per mil (82081)	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil (82085)	Deuterium/Protium ratio, water, unfiltered, per mil (82082)
10-08-2012	1100	0.290	104.2	88	6.4	0.005	-21.95	-4.82	-25.20