Water-Data Report 2009

304306088570401 Local number M0043 STONE

Coastal lowlands aquifer system
Miocene Series

Stone County, MS

LOCATION.--Lat 30°43′06″, long 88°57′04″ referenced to North American Datum of 1927, in NW ¼ sec.12, T.4 S., R.10 W., Stone County, MS, Hydrologic Unit 03170009.

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

[Remark codes: E, estimated; N, presumptive evidence of presence.]

Date	Time	Barometric pressure, mm Hg (00025)	Depth to water level, feet below LSD (72019)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm @ 25 degC (00095)	Temperature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Altitude of land surface feet (72000)	Depth of well, feet below LSD (72008)	Alkalinity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt infl pt titr., field, mg/L (00453)	Hydrogen sulfide water, unfltrd mg/L (71875)
Jul 30...	1100	768	98.46	1.9	6.3	117	23.6	.8	160	400.00	39	E47	N

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

[Remark codes: <, less than; E, estimated; N, presumptive evidence of presence.]

Date	Dissolved solids dried @ 180degC wat flt mg/L (70300)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Hydrogen sulfide water, unfltrd mg/L (71875)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)
Jul 30...	146	5.82	1.37	2.93	11.8	E.01	2.79	.20	N	53.4	11.3	.044	<.04

304306088570401 Local number M0043 STONE—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than; E, estimated.]

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	Alum-inum, water, fltrd, µg/L (01106)	Barium, water, fltrd, µg/L (01005)	Beryll-ium, water, fltrd, µg/L (01010)	Cadmium water, fltrd, µg/L (01025)	Chrom-ium, water, fltrd, µg/L (01030)	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Lithium water, fltrd, µg/L (01130)
Jul													
30...	E.001	.310	<.10	E2.7	38	<.02	<.02	E.07	.21	<1.0	2,380	E.05	7.7

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than; E, estimated.]

Date	Mangan-ese, water, fltrd, µg/L (01056)	Molyb-denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Silver, water, fltrd, µg/L (01075)	Stront-ium, water, fltrd, µg/L (01080)	Thall-ium, water, fltrd, µg/L (01057)	Vana-dium, water, fltrd, µg/L (01085)	Zinc, water, fltrd, µg/L (01090)	Anti-mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Boron, water, fltrd, µg/L (01020)	Selen-ium, water, fltrd, µg/L (01145)	1,2,3-Tri-chloro-propane water, unfltrd µg/L (77443)
Jul													
30...	394	.1	E.06	<.008	229	<.04	<.16	<2.0	<.04	.18	17	<.06	<.12

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Dibromo chloro-propane water, unfltrd µg/L (82625)	1,2-Di-bromo-ethane, water, unfltrd µg/L (77651)	1,2-Di-chloro-ethane, water, unfltrd µg/L (32103)	1,2-Di-chloro-propane water, unfltrd µg/L (34541)	1,3-Di-chloro-propane water, unfltrd µg/L (77173)	1,4-Di-chloro-benzene water, unfltrd µg/L (34571)	1-Naph-thol, water, fltrd 0.7µ GF µg/L (49295)	2,6-Di-ethyl-aniline water, fltrd 0.7µ GF µg/L (82660)	2Chloro -2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methyl-aniline wat flt µg/L (61620)	3,5-Di-chloro-aniline water, fltrd, µg/L (61627)
Jul												
30...	<1.0	<.04	<.1	<.02	<.1	<.02	<.04	<.006	<.010	<.014	<.010	<.004

304306088570401 Local number M0043 STONE—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	3-Chloro-propene water, unfltrd µg/L (78109)	4-Chloro-2-methyl-phenol, wat flt µg/L (61633)	Aceto-chlor, water, fltrd, µg/L (49260)	Acrylo-nitrile water, unfltrd µg/L (34215)	Ala-chlor, water, fltrd, µg/L (46342)	alpha-Endo-sulfan, water, fltrd, µg/L (34362)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl oxon, water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7µ GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7µ GF µg/L (82673)	Bromo-methane water, unfltrd µg/L (34413)	Car-baryl, water, fltrd 0.7µ GF µg/L (82680)	Carbo-furan, water, fltrd 0.7µ GF µg/L (82674)
Jul													
30...	<.08	<.005	<.010	<.4	<.008	<.006	<.007	<.04	<.120	<.014	<.4	<.200	<.060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Carbon di-sulfide water, unfltrd µg/L (77041)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	cis-Per-methrin water fltrd 0.7µ GF µg/L (82687)	cis-Propi-cona-zole, water, fltrd, µg/L (79846)	Cyana-zine, water, fltrd, µg/L (04041)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7µ GF µg/L (82682)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)
Jul													
30...	<.04	<.05	<.010	<.10	<.014	<.006	<.040	<.016	<.020	<.006	<.029	<.012	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Diaz-oxon, water, fltrd, µg/L (61638)	Di-chlor-vos, water, fltrd, µg/L (38775)	Dicro-tophos, water, fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-oate, water, fltrd 0.7µ GF µg/L (82662)	Disulf-oton sulfone water, fltrd, µg/L (61640)	Disul-foton, water, fltrd 0.7µ GF µg/L (82677)	Endo-sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7µ GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Etho-prop, water, fltrd 0.7µ GF µg/L (82672)	Fenami-phos sulfone water, fltrd, µg/L (61645)
Jul													
30...	<.01	<.02	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053

304306088570401 Local number M0043 STONE—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Fenamiphos sulfoxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)	Fipronil sulfide water, fltrd, µg/L (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iodomethane water, unfltrd µg/L (77424)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	lambda-Cyhalothrin, water, fltrd, µg/L (61595)	Malaoxon, water, fltrd, µg/L (61652)
Jul												
30...	<.08	<.03	<.013	<.024	<.040	<.010	<.008	<.80	<.014	<.006	<.010	<.080

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methidathion, water, fltrd, µg/L (61598)	Methyl paraoxon, water, fltrd, µg/L (61664)	Methyl parathion, water, fltrd 0.7µ GF µg/L (82667)	Metolachlor, water, fltrd, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Molinate, water, fltrd 0.7µ GF µg/L (82671)	Myclobutanil water, fltrd, µg/L (61599)	Oxyfluorfen, water, fltrd, µg/L (61600)	Pendimethalin, water, fltrd 0.7µ GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd 0.7µ GF µg/L (82664)
Jul													
30...	<.020	<.007	<.006	<.01	<.008	<.014	<.016	<.002	<.010	<.006	<.012	<.03	<.020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)	Propanil, water, fltrd 0.7µ GF µg/L (82679)	Propargite, water, fltrd 0.7µ GF µg/L (82685)	Propyzamide, water, fltrd 0.7µ GF µg/L (82676)	Simazine, water, fltrd, µg/L (04035)	Tebuconazole, water, fltrd, µg/L (62852)	Tebuthiuron water, fltrd 0.7µ GF µg/L (82670)	Tefluthrin, water, fltrd, µg/L (61606)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd 0.7µ GF µg/L (82675)
Jul													
30...	<.05	<.200	<.01	<.006	<.014	<.02	<.004	<.010	<.02	<.02	<.010	<.04	<.02

304306088570401 Local number M0043 STONE—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Thio-bencarb water, fltrd 0.7µ GF µg/L (82681)	trans-1,3-Di-chloro-propene water, unfltrd µg/L (34699)	trans-Propi-cona-zole, water, fltrd, µg/L (79847)	Tribu-phos, water, fltrd, µg/L (61610)	Tri-flur-alin, water, fltrd 0.7µ GF µg/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd µg/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd µg/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd µg/L (34516)	CFC-113 water, unfltrd µg/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd µg/L (34511)	1,1-Di-chloro-ethane, water, unfltrd µg/L (34496)	1,1-Di-chloro-ethene, water, unfltrd µg/L (34501)	1,1-Di-chloro-propene water, unfltrd µg/L (77168)
Jul													
30...	<.016	<.10	<.02	<.035	<.012	<.04	<.02	<.10	<.04	<.06	<.04	<.02	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than; E, estimated.]

Date	1,2,3,4-Tetra-methyl-benzene water, unfltrd µg/L (49999)	1,2,3,5-Tetra-methyl-benzene water, unfltrd µg/L (50000)	1,2,3-Tri-chloro-benzene water, unfltrd µg/L (77613)	1,2,3-Tri-methyl-benzene water, unfltrd µg/L (77221)	1,2,4-Tri-chloro-benzene water, unfltrd µg/L (34551)	1,2,4-Tri-methyl-benzene water, unfltrd µg/L (77222)	1,2-Di-chloro-benzene water, unfltrd µg/L (34536)	1,3,5-Tri-methyl-benzene water, unfltrd µg/L (77226)	1,3-Di-chloro-benzene water, unfltrd µg/L (34566)	2,2-Di-chloro-propane water, unfltrd µg/L (77170)	2-Chloro-toluene water, unfltrd µg/L (77275)	2-Ethyl-toluene water, unfltrd µg/L (77220)	4-Chloro-toluene water, unfltrd µg/L (77277)
Jul													
30...	<.1	<.1	<.1	<.1	<.04	E.08	<.02	<.04	<.02	<.06	<.02	<.02	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene, water, unfltrd µg/L (50002)	Chloro-benzene water, unfltrd µg/L (34301)	Chloro-ethane, water, unfltrd µg/L (34311)	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd µg/L (77093)	Di-bromo-chloro-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)
Jul													
30...	<.06	<4	<.02	<.02	<.06	<.04	<.1	<.02	<.1	<.1	<.02	<.1	<.04

304306088570401 Local number M0043 STONE—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than; E, estimated.]

Date	Dichlorodifluoromethane wat unf µg/L (34668)	Dichloromethane water, unfltrd µg/L (34423)	Diethyl ether, water, unfltrd µg/L (81576)	Diisopropyl ether, water, unfltrd µg/L (81577)	Ethyl methacrylate, water, unfltrd µg/L (73570)	Ethyl methyl ketone, water, unfltrd µg/L (81595)	Ethylbenzene water, unfltrd µg/L (34371)	Hexachlorobutadiene, water, unfltrd µg/L (39702)	Hexachloroethane, water, unfltrd µg/L (34396)	Isobutyl methyl ketone, water, unfltrd µg/L (78133)	Isopropylbenzene water, unfltrd µg/L (77223)	Methyl acrylate, water, unfltrd µg/L (49991)	Methyl acrylonitrile water, unfltrd µg/L (81593)
Jul													
30...	<.10	<.04	<.1	<.06	<.1	E.6	<.04	<.1	<.1	<.4	<.04	<.6	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	Methyl methacrylate, water, unfltrd µg/L (81597)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	Methyl tert-pentyl ether, water, unfltrd µg/L (50005)	meta- + para-Xylene, water, unfltrd µg/L (85795)	Naphthalene, water, unfltrd µg/L (34696)	Methyl n-butyl ketone, water, unfltrd µg/L (77103)	n-Butylbenzene water, unfltrd µg/L (77342)	n-Propylbenzene water, unfltrd µg/L (77224)	Organic carbon, water, fltrd, mg/L (00681)	o-Xylene, water, unfltrd µg/L (77135)	sec-Butylbenzene water, unfltrd µg/L (77350)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)
Jul													
30...	<.2	<.1	<.06	<.08	<.2	<.6	<.1	<.04	<.4	<.04	<.02	<.04	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than.]

Date	tert-Butylbenzene water, unfltrd µg/L (77353)	Tetrachloroethene, water, unfltrd µg/L (34475)	Tetrachloromethane water, unfltrd µg/L (32102)	Tetrahydrofuran, water, unfltrd µg/L (81607)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Dichloroethene, water, unfltrd µg/L (34546)	trans-1,4-Dichloro-2-butene, wat unf µg/L (73547)	Tribromomethane water, unfltrd µg/L (32104)	Trichloroethene, water, unfltrd µg/L (39180)	Trichlorofluoromethane water, unfltrd µg/L (34488)	Trichloromethane water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (39175)	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)
Jul													
30...	<.06	<.04	<.06	<1	<.02	<.02	<.4	<.10	<.02	<.08	<.04	<.1	.6

304306088570401 Local number M0043 STONE—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than; R, radchem non-detect, below ssLc.]

Date	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)	Pb-210 water, fltrd, pCi/L (17503)	Po-210, water, fltrd, pCi/L (19503)	Ra-226, water, fltrd, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, µg/L (22703)
Jul									
30...	1.5	2.5	2.8	R.0	.04	.057	R.10	132	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[Remark codes: <, less than; U, analyzed for but not detected.]

Date	Colipge F-spec, FAMP, 2-step, pres or absence /L (99335)	Colipge som, Ec CN13hst 2-step, pres or absence /L (99332)	E coli, MI MF, water, col/ 100 mL (90901)	Total coli-form, MI MF, water, col/ 100 mL (90900)
Jul				
30...	U	U	<1	<1