# 332440090502001 Local number F0146 GWSW ACTTR2-1-4 PIEZ DPOINT AT LELAND, MS

Mississippi River Valley alluvial aquifer
Mississippi River Alluvial Aquifer

Washington County, MS

LOCATION.--Lat 33°24′40″, long 90°50′22″ referenced to North American Datum of 1983, in NE ¼ SW ¼ NE ¼ sec.17, T.18 W., R.6 W., Washington County, MS, Hydrologic Unit 08030207, Choctaw Meridian.

## WATER-QUALITY RECORDS

### WATER-QUALITY DATA
### WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[Remark codes: M, presence verified but not quantified; U, analyzed for but not detected.]

| Date | Time | Depth of well, feet below LSD (72008) | Altitude of land surface feet (72000) | Turbdty white light, det ang 90+/-30 corrctd NTRU (63676) | Barometric pressure, mm Hg (00025) | 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) | Hydrogen sulfide water, unfltrd mg/L (71875) |
|---|---|---|---|---|---|---|---|---|---|---|
| **Dec** | | | | | | | | | | |
| **03...** | 1500 | 6.50 | 96.3 | .3 | 773 | .5 | 6.8 | 549 | 16.4 | -- |
| **04...** | 1100 | 6.50 | 96.3 | 20 | 766 | .4 | 6.4 | 764 | 17.8 | -- |
| **Feb** | | | | | | | | | | |
| **27...** | 1150 | 6.50 | 96.3 | .1 | 770 | .3 | 6.9 | 675 | 14.4 | M |
| **Mar** | | | | | | | | | | |
| **06...** | 1145 | 6.50 | 96.3 | .3 | 762 | .5 | 6.9 | 754 | 15.0 | -- |
| **Apr** | | | | | | | | | | |
| **10...** | 0800 | 6.50 | 96.3 | 1.2 | 759 | .3 | 7.0 | 728 | 18.7 | -- |
| **Jun** | | | | | | | | | | |
| **23...** | 1445 | 6.50 | 96.3 | .2 | 770 | .3 | 6.8 | 538 | 24.4 | -- |
| **23...** | 1715 | 6.50 | 96.3 | -- | 770 | 1.1 | 7.1 | 514 | 22.3 | U |

**332440090502001 Local number F0146 GWSW ACTTR2-1-4 PIEZ DPOINT AT LELAND, MS—Continued**

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**
[Remark codes: E, estimated.]

| Date | Calcium water, fltrd, mg/L (00915) | Magnesium, water, fltrd, mg/L (00925) | Potassium, water, fltrd, mg/L (00935) | Sodium, water, fltrd, mg/L (00930) | Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801) | Bicarbonate, wat flt infl pt titr., field, mg/L (00453) | Bromide water, fltrd, mg/L (71870) | Chloride, water, fltrd, mg/L (00940) | Fluoride, water, fltrd, mg/L (00950) | Silica, water, fltrd, mg/L as SiO2 (00955) | Sulfate water, fltrd, mg/L (00945) | Residue on evap. at 180degC wat flt mg/L (70300) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dec** | | | | | | | | | | | | |
| **03...** | 71.9 | 23.1 | 1.19 | 5.50 | 279 | -- | E.01 | 3.54 | .23 | 22.9 | 18.3 | 330 |
| **04...** | 102 | 35.0 | 1.66 | 6.95 | 372 | -- | .03 | 3.36 | .20 | 22.1 | 57.6 | 476 |
| **Feb** | | | | | | | | | | | | |
| **27...** | 92.7 | 28.1 | 1.14 | 6.33 | 301 | -- | .05 | 4.15 | .24 | 21.0 | 10.7 | 396 |
| **Mar** | | | | | | | | | | | | |
| **06...** | 106 | 32.8 | 1.40 | 7.07 | 386 | 477 | .08 | 4.47 | .22 | 21.5 | 14.1 | 440 |
| **Apr** | | | | | | | | | | | | |
| **10...** | 93.3 | 28.3 | 1.18 | 6.72 | 364 | -- | .08 | 4.61 | .25 | 21.2 | 22.7 | 436 |
| **Jun** | | | | | | | | | | | | |
| **23...** | 67.6 | 22.0 | 1.11 | 5.32 | 258 | -- | E.01 | 3.06 | .19 | 19.5 | 19.4 | 308 |
| **23...** | 64.4 | 23.6 | 1.38 | 4.88 | 257 | -- | E.01 | 3.03 | .16 | 16.3 | 19.6 | 283 |

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**
[Remark codes: <, less than; E, estimated.]

| Date | Ammonia water, fltrd, mg/L as N (00608) | Nitrate + nitrite water fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) | Total nitrogen, wat flt by analysis, mg/L (62854) | Orthophosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, unfltrd mg/L as P (00665) | Organic carbon, water, fltrd, mg/L (00681) | Iron, water, fltrd, µg/L (01046) | Manganese, water, fltrd, µg/L (01056) | Aminomethylphosphonic acid, wat flt µg/L (62649) | Glufosinate, water, fltrd 0.7u GF µg/L (62721) | Glyphosate, water, fltrd 0.7u GF µg/L (62722) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dec** | | | | | | | | | | | | |
| **03...** | .297 | <.04 | E.002 | .31 | .295 | -- | 2.3 | 5,340 | 714 | <.02 | <.020 | <.02 |
| **04...** | .310 | E.03 | .002 | .42 | .211 | -- | 2.2 | 5,960 | 1,160 | -- | -- | -- |
| **Feb** | | | | | | | | | | | | |
| **27...** | .806 | <.04 | .003 | .97 | .418 | -- | 3.5 | 10,100 | 1,790 | <.02 | <.020 | <.02 |
| **Mar** | | | | | | | | | | | | |
| **06...** | .955 | <.04 | .002 | 1.34 | .407 | -- | 3.7 | 13,200 | 2,530 | <.02 | <.020 | <.02 |
| **Apr** | | | | | | | | | | | | |
| **10...** | 1.27 | E.02 | .002 | 1.53 | .505 | .51 | 4.0 | 14,300 | 2,820 | <.02 | <.020 | .03 |
| **Jun** | | | | | | | | | | | | |
| **23...** | .481 | <.04 | .002 | .69 | .491 | .52 | 3.0 | 6,870 | 1,100 | <.02 | <.020 | <.02 |
| **23...** | .204 | <.04 | E.001 | .60 | .272 | .50 | 3.2 | 2,550 | 871 | .08 | <.020 | <.02 |