

| 9-275-1 | 07/08/09 | U.S. DEPARTMENT OF THE INTERIOR U.S. Geological Survey | | | | Meas. No. | |
|---|-------------------|---|------------------------|-----------------|---|-------------------------------|---|
| Station Number | | ADCP Discharge Measurement Notes | | | | Processed by | |
| Station Name | | Mud Ditch nr. New Madrid, MO | | | | | |
| Date | 6/11, 2011 | Party | SMM JMH | | | | |
| Width | Area / Rated Area | Velocity | Index | Gage Height | Discharge | | |
| 139 | 2,040 | 2.55 | | | 5,190 | | |
| Gage Height Change | | Meas. plots | From rating | Indicated Shift | ADCP Sync'd to WT | | |
| in hrs. | | % diff | No.: | | Y at _____ or N | | |
| ADCP Mfr / Model / Frequency | | | Serial No. | Firmware | Software | | |
| RO+ 600 8426 600 | | | 8426 | 10.17 | 2.07 | | |
| Boat/Motors Used | | | GPS Used | ADCP Depth | Diag. Test / Errors? | | |
| T-Boat 1731 | | | No | 0.3 | <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N | | |
| Compass Calib. & Total Error | | Mag. Var | MagVar Method | | Moving Bed? | | |
| <input checked="" type="checkbox"/> Y or N | | — | On-site Model Previous | | Y or <input checked="" type="checkbox"/> N | | |
| Meas. Water Temp | | ADCP Water Temp | Weather / Air Temp | | Wind Speed / Dir. | | |
| °F / C at | | °F / C at | °F / C | | | | |
| Gage Readings | | | | Site Conditions | | | |
| Time | Start End | Primary reference | | | Max Water Depth | 24.6 | |
| | | | | | Max Water Speed | 6.04 | |
| | | | | | Max Boat Speed | | |
| 0830 | E | | | | Water Mode | 12 | |
| | | | | | Bottom Mode | 5 | |
| 0839 | E | | | | Streambed material | | |
| | | | | | Mud | | |
| | | | | | Salinity | | |
| | | | | | ppt at | | |
| Weighted MGH | | | | | Checkbar found | | |
| GH corrections | | | | | Checkbar changed to: | | |
| Correct MGH | | | | | at | | |
| Wading, cable, ice, boat, upstr., downstr., side bridge | | | | 255.8 | ft., mi. upstr., downstr. of gage | | |
| Measurement rated: | | excellent (2%) <u>good (5%)</u> fair (8%), poor (>8%) | | | | based on following conditions | |
| Flow | Even | | | | | | |
| Cross section: | Mud | | | | | | |
| Control: | Channel, Clear | | | | | | |
| Gage operating: | Y or N | Record removed: | Y or N | Filename: | | | |
| Battery voltage | V | Intakes/Orifice cleaned/purged: | | | | | |
| Bubble-gage psi: | Tank | Line | | Bubble rate | / min | | |
| Extreme-GH indicators: | Max | | Min | | CSG Checked | Y or N | |
| HWM on stick | | Ref elev. | | HWM elevation | | | |
| GH of zero flow = GH | | - depth at control | | = | ft. | Uncertainty | ± |
| Sheet No. | | | | of | sheets | | |

| Acoustic Profiler Discharge Measurement Notes | | | | | | | Filename Prefix: | |
|---|---|-----------|----------|-----------|------|-----------------|---|--|
| Left Bank: | <input checked="" type="radio"/> Sloping <input type="radio"/> Vertical Other: _____ | | | | | Right Bank: | <input checked="" type="radio"/> Sloping <input type="radio"/> Vertical Other: _____ | |
| Transect No. | Starting | | | Ending | | Total Discharge | Notes | |
| | Bank | Time | Distance | Distance | Time | | | |
| 100 181 | <input checked="" type="radio"/> L <input type="radio"/> R | Loop Test | | No Moving | Bed | | | |
| 001 | <input checked="" type="radio"/> L <input type="radio"/> R | 0830 | 20 | 31 | 0833 | 5048 | | |
| 002 | <input checked="" type="radio"/> L <input type="radio"/> R | 0833 | 31 | 20 | 0835 | 5263 | | |
| 003 | <input checked="" type="radio"/> L <input type="radio"/> R | 0835 | 20 | 31 | 0837 | 5108 | | |
| 004 | <input checked="" type="radio"/> L <input type="radio"/> R | 0837 | 31 | 20 | 0839 | 5326 | | |
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