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Water-Data Report 2006

**405808074583001 Local number 410349 Blairstown 1 Obs**

Valley and Ridge aquifers  
Martinsburg Shale

Warren County, NJ

LOCATION.--Lat 40°58'08", long 74°58'30" referenced to North American Datum of 1927, Blairstown Township, Warren County, NJ, Hydrologic Unit 02040105, in the Limestone Ridge and Marsh Preserve, Cedar Lake Rd.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 294 ft. Upper casing diameter 6 in; top of first opening 41 ft, bottom of last opening 294 ft. Drilled observation Well.

DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum, July 13, 1999, to present.

PERIOD OF RECORD.--July 1999 to current year.

GAGE.--Water-level recorder--60-minute recording interval.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.73 ft below land surface, Apr. 3, 2005; lowest, 6.09 ft below land surface, Aug. 7, 1999.

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**

| <b>Day</b>  | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>1</b>    | 5.96       | 5.14       | 4.93       | 4.96       | 5.05       | 5.37       | 5.57       | 5.21       | 5.55       | 4.92       | 5.65       | 5.56       |
| <b>2</b>    | 5.97       | 5.16       | 4.96       | 4.98       | 5.07       | 5.37       | 5.57       | 5.24       | 5.55       | 5.04       | 5.66       | 5.50       |
| <b>3</b>    | 5.97       | 5.21       | 5.01       | 4.64       | 4.92       | 5.38       | 5.57       | 5.27       | 5.39       | 5.12       | 5.68       | 5.32       |
| <b>4</b>    | 5.97       | 5.22       | 5.04       | 4.50       | 4.81       | 5.40       | 5.57       | 5.30       | 5.41       | 5.17       | 5.68       | 5.42       |
| <b>5</b>    | 5.96       | 5.24       | 5.08       | 4.59       | 4.71       | 5.41       | 5.57       | 5.32       | 5.47       | 5.19       | 5.70       | 5.49       |
| <b>6</b>    | 5.96       | 5.27       | 5.11       | 4.74       | 4.74       | 5.41       | 5.57       | 5.36       | 5.52       | 5.21       | 5.71       | 5.51       |
| <b>7</b>    | 5.94       | 5.27       | 5.16       | 4.87       | 4.83       | 5.42       | 5.57       | 5.39       | 5.48       | 5.26       | 5.71       | 5.54       |
| <b>8</b>    | 5.01       | 5.30       | 5.20       | 4.95       | 4.91       | 5.45       | 5.41       | 5.40       | 5.38       | 5.30       | 5.72       | 5.56       |
| <b>9</b>    | 4.51       | 5.32       | 5.20       | 5.01       | 4.98       | 5.44       | 5.33       | 5.42       | 5.42       | 5.34       | 5.73       | 5.57       |
| <b>10</b>   | 4.87       | 5.30       | 5.21       | 5.06       | 5.04       | 5.44       | 5.37       | 5.44       | 5.46       | 5.36       | 5.73       | 5.59       |
| <b>11</b>   | 5.04       | 5.32       | 5.22       | 5.08       | 5.08       | 5.45       | 5.40       | 5.46       | 5.50       | 5.38       | 5.74       | 5.59       |
| <b>12</b>   | 4.25       | 5.36       | 5.25       | 5.06       | 5.10       | 5.46       | 5.41       | 5.35       | 5.54       | 5.40       | 5.75       | 5.59       |
| <b>13</b>   | 4.16       | 5.38       | 5.28       | 5.09       | 5.15       | 5.45       | 5.43       | 5.43       | 5.56       | 5.41       | 5.76       | 5.59       |
| <b>14</b>   | 4.34       | 5.39       | 5.31       | 5.00       | 5.18       | 5.43       | 5.44       | 5.46       | 5.56       | 5.44       | 5.76       | 5.55       |
| <b>15</b>   | 4.35       | 5.40       | 5.33       | 4.87       | 5.20       | 5.45       | 5.44       | 5.47       | 5.56       | 5.46       | 5.73       | 5.27       |
| <b>16</b>   | 4.59       | 5.37       | 5.01       | 4.91       | 5.20       | 5.46       | 5.45       | 5.25       | 5.58       | 5.48       | 5.75       | 5.32       |
| <b>17</b>   | 4.82       | 5.20       | 4.92       | 4.96       | 5.18       | 5.47       | 5.46       | 5.19       | 5.60       | 5.52       | 5.76       | 5.37       |
| <b>18</b>   | 4.95       | 5.26       | 4.97       | 4.46       | 5.18       | 5.48       | 5.48       | 5.25       | 5.61       | 5.53       | 5.76       | 5.41       |
| <b>19</b>   | 5.05       | 5.31       | 4.99       | 4.05       | 5.21       | 5.49       | 5.48       | 5.28       | 5.62       | 5.56       | 5.76       | 5.43       |
| <b>20</b>   | 5.12       | 5.33       | 5.04       | 4.46       | 5.23       | 5.49       | 5.48       | 5.32       | 5.62       | 5.58       | 5.77       | 5.45       |
| <b>21</b>   | 5.16       | 5.34       | 5.09       | 4.72       | 5.25       | 5.49       | 5.50       | 5.35       | 5.63       | 5.50       | 5.78       | 5.47       |
| <b>22</b>   | 5.14       | 5.19       | 5.11       | 4.88       | 5.27       | 5.51       | 5.47       | 5.38       | 5.64       | 5.43       | 5.79       | 5.49       |
| <b>23</b>   | 4.96       | 5.22       | 5.13       | 4.89       | 5.29       | 5.53       | 4.93       | 5.41       | 5.65       | 5.51       | 5.79       | 5.49       |
| <b>24</b>   | 5.03       | 5.24       | 5.17       | 4.89       | 5.30       | 5.54       | 4.80       | 5.44       | 5.61       | 5.56       | 5.79       | 5.49       |
| <b>25</b>   | 4.87       | 5.26       | 5.15       | 4.92       | 5.31       | 5.54       | 4.81       | 5.45       | 5.58       | 5.58       | 5.79       | 5.51       |
| <b>26</b>   | 4.74       | 5.29       | 4.94       | 4.98       | 5.33       | 5.54       | 4.88       | 5.47       | 5.39       | 5.60       | 5.72       | 5.53       |
| <b>27</b>   | 4.78       | 5.30       | 4.88       | 5.03       | 5.36       | 5.55       | 4.99       | 5.48       | 5.23       | 5.61       | 5.62       | 5.54       |
| <b>28</b>   | 4.88       | 5.31       | 4.87       | 5.05       | 5.36       | 5.55       | 5.08       | 5.51       | 4.49       | 5.59       | 5.50       | 5.55       |
| <b>29</b>   | 4.98       | 5.31       | 4.86       | 5.06       | ---        | 5.55       | 5.14       | 5.53       | 4.32       | 5.61       | 5.48       | 5.50       |
| <b>30</b>   | 5.05       | 4.91       | 4.85       | 5.05       | ---        | 5.56       | 5.18       | 5.55       | 4.73       | 5.63       | 5.40       | 5.54       |
| <b>31</b>   | 5.10       | ---        | 4.89       | 5.04       | ---        | 5.57       | ---        | 5.53       | ---        | 5.65       | 5.50       | ---        |
| <b>Mean</b> | 5.08       | 5.27       | 5.07       | 4.86       | 5.12       | 5.47       | 5.34       | 5.38       | 5.42       | 5.42       | 5.70       | 5.49       |
| <b>Max</b>  | 5.97       | 5.40       | 5.33       | 5.09       | 5.36       | 5.57       | 5.57       | 5.55       | 5.65       | 5.65       | 5.79       | 5.59       |
| <b>Min</b>  | 4.16       | 4.91       | 4.85       | 4.05       | 4.71       | 5.37       | 4.80       | 5.19       | 4.32       | 4.92       | 5.40       | 5.27       |

| <b>Water Year 2006</b> |      |
|------------------------|------|
| <b>Mean</b>            | 5.30 |
| <b>High</b>            | 4.05 |
| <b>Low</b>             | 5.97 |

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