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Water-Data Report 2006

**393104075150801 Local number 111211 UDMW01 NJ Permit Number 34-07097**

Northern Atlantic Coastal Plain aquifer system  
Cohansey Sand-Kirkwood Formation

Cumberland County, NJ

LOCATION.--Lat 39°31'10.4", long 75°15'08.1" referenced to North American Datum of 1983, Upper Deerfield Twp, Cumberland County, NJ, Hydrologic Unit 02040206, near intersection of Deerfield Rd. and Center Rd.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 22.18 ft. Upper casing diameter 2 in; top of first opening 18.18 ft, bottom of last opening 22.18 ft. Drilled observation well.

DATUM.--Land-surface datum is 103.62 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 4.84 ft above land-surface datum, Oct. 25, 2003, to present.

PERIOD OF RECORD.--Oct. 2003 to current year.

GAGE.--Submersible logger pressure transducer--60-minute recording interval.

REMARKS.--Data is collected for the Unsaturated Zone Project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.59 ft below land surface, Apr. 23, 24, 30, 2005; lowest, 20.76 ft below land surface, Sept. 29, 30, 2006.

**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>	20.31	20.62	20.66	20.40	19.91	19.58	19.59	19.93	20.20	20.46	20.33	20.71
<b>2</b>	20.33	20.64	20.66	20.38	19.88	19.57	19.63	19.91	20.21	20.44	20.32	20.72
<b>3</b>	20.35	20.63	20.68	20.36	19.86	19.59	19.61	---	20.22	20.42	20.32	20.74
<b>4</b>	20.37	20.62	20.65	20.35	19.83	19.58	19.63	19.91	20.23	20.41	20.34	20.74
<b>5</b>	20.39	20.62	20.66	20.33	19.82	19.57	19.65	19.91	20.25	20.41	20.36	20.74
<b>6</b>	20.41	20.62	20.66	20.32	19.82	19.56	19.68	19.93	20.26	20.41	20.38	20.74
<b>7</b>	20.42	20.64	20.68	20.31	19.80	19.56	19.66	19.95	20.26	20.43	20.38	20.74
<b>8</b>	20.43	20.63	20.68	20.30	19.79	19.55	19.70	19.96	20.28	20.41	20.39	20.73
<b>9</b>	20.47	20.61	20.62	20.28	19.78	19.54	19.74	19.95	20.29	20.40	20.41	20.72
<b>10</b>	20.49	20.62	20.62	20.28	19.76	19.54	19.76	19.96	20.30	20.40	20.41	20.72
<b>11</b>	20.51	20.65	20.59	20.24	19.74	19.58	19.77	19.95	20.31	20.40	20.43	20.72
<b>12</b>	20.52	20.65	20.61	20.23	19.73	19.55	19.77	19.98	20.33	20.40	20.46	20.70
<b>13</b>	20.54	20.64	20.64	20.20	19.73	19.52	19.75	20.00	20.34	20.39	20.47	20.68
<b>14</b>	20.54	20.65	20.65	20.16	19.72	19.53	19.74	20.01	20.34	20.41	20.47	20.68
<b>15</b>	20.55	20.64	20.60	20.18	19.71	19.55	19.74	20.01	20.36	20.41	20.49	20.68
<b>16</b>	20.57	20.64	20.59	20.17	19.70	19.56	19.78	20.01	20.38	20.42	20.52	20.69
<b>17</b>	20.58	20.67	20.63	20.15	19.69	19.55	19.80	20.02	20.38	20.43	20.52	20.68
<b>18</b>	20.59	20.68	20.60	20.14	19.69	19.55	19.82	20.03	20.39	20.44	20.53	20.68
<b>19</b>	20.61	20.69	20.56	20.16	19.68	19.55	19.82	20.05	20.40	20.46	20.53	20.67
<b>20</b>	20.63	20.68	20.54	20.12	19.66	19.55	19.84	20.07	20.41	20.47	20.54	20.69
<b>21</b>	20.63	20.66	20.53	20.11	19.65	19.53	19.87	20.08	20.44	20.47	20.55	20.71
<b>22</b>	20.61	20.63	20.51	20.12	19.64	19.55	19.86	20.10	20.45	20.47	20.56	20.71
<b>23</b>	20.64	20.68	20.48	20.07	19.62	19.57	19.86	20.11	20.46	20.49	20.57	20.70
<b>24</b>	20.64	20.67	20.46	20.05	19.64	19.56	19.87	20.11	20.47	20.48	20.59	20.69
<b>25</b>	20.62	20.71	20.43	20.04	19.61	19.55	19.87	20.11	20.48	20.45	20.60	20.72
<b>26</b>	20.66	20.70	20.42	20.04	19.62	19.57	19.89	20.11	20.49	20.41	20.62	20.74
<b>27</b>	20.67	20.70	20.44	20.02	19.59	19.59	19.89	20.14	20.50	20.38	20.63	20.73
<b>28</b>	20.67	20.69	20.41	19.99	19.58	19.59	19.93	20.16	20.49	20.36	20.64	20.73
<b>29</b>	20.65	20.66	20.38	19.95	---	19.60	19.94	20.16	20.49	20.35	20.66	20.75
<b>30</b>	20.65	20.67	20.41	19.93	---	19.62	19.93	20.18	20.48	20.33	20.68	20.76
<b>31</b>	20.64	---	20.39	19.91	---	19.61	---	20.20	---	20.33	20.70	---
<b>Mean</b>	20.54	20.65	20.56	20.17	19.72	19.56	19.78	---	20.36	20.42	20.50	20.71
<b>Max</b>	20.67	20.71	20.68	20.40	19.91	19.62	19.94	---	20.50	20.49	20.70	20.76
<b>Min</b>	20.31	20.61	20.38	19.91	19.58	19.52	19.59	---	20.20	20.33	20.32	20.67

