404455074203202 Local number 130096 East Orange Shallow Obs NJ Permit Number 25-34870

Sand and gravel aquifers (glaciated regions)
Stratified Drift

Essex County, NJ

LOCATION.--Lat 40°44′55″, long 74°20′32″ referenced to North American Datum of 1927, Millburn Township, Essex County, NJ, Hydrologic Unit 02030103, at East Orange Water Company, JFK Blvd. and Parsonage Hill Rd.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 84 ft. Upper casing diameter 6 in; top of first opening 79 ft, bottom of last opening 84 ft. Drilled observation well.

DATUM.--Land-surface datum is 184.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.40 ft above land-surface datum, April 1, 1992, to present.

PERIOD OF RECORD.--Apr. 1991 to current year.

GAGE.--Water-level recorder--60-minute recording interval. Periodic measurements, Apr. 1991 to Apr. 1992.

REMARKS.--Water level is affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 30.77 ft below land surface, Jan. 21, 2006; lowest, 67.69 ft below land surface, Sept. 4, 1996.

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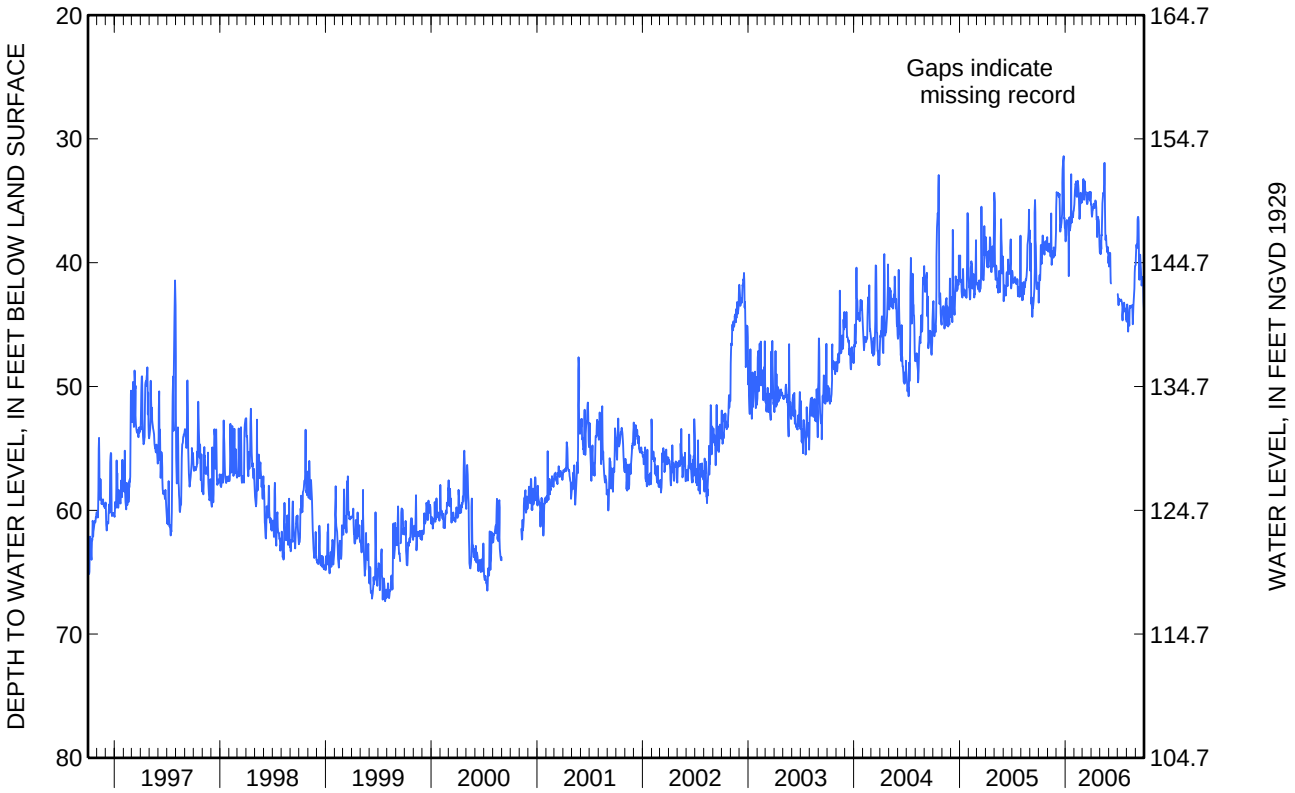
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	43.22	38.50	34.88	37.82	35.17	34.66	35.26	38.90	40.30	42.53	44.76	40.17
2	42.36	38.87	34.29	38.28	35.14	34.42	36.02	38.98	39.80	42.84	43.51	39.59
3	41.24	39.10	34.38	37.97	34.27	33.88	36.29	39.31	39.44	43.03	43.37	38.99
4	40.99	38.87	34.34	37.77	33.95	33.23	36.05	38.27	39.19	43.43	43.67	38.53
5	41.42	38.54	34.56	36.62	33.61	33.69	35.82	38.91	39.23	42.89	44.40	38.82
6	41.36	38.46	34.41	36.54	33.69	34.56	35.75	37.76	41.04	42.91	45.57	38.78
7	40.44	38.91	34.34	36.77	33.43	34.91	35.51	37.79	41.59	43.11	44.49	37.75
8	38.57	38.89	34.41	36.79	34.17	33.77	35.53	36.26	41.67	43.12	44.65	36.50
9	38.56	39.14	34.51	36.65	34.63	33.41	35.22	35.41	---	43.02	44.37	36.30
10	39.86	38.47	34.71	36.66	34.68	33.45	35.34	34.82	---	43.06	45.09	36.30
11	40.10	39.49	34.54	36.71	34.39	34.31	35.56	34.65	---	43.09	43.78	36.64
12	39.55	38.11	34.43	37.29	33.49	34.25	35.59	34.35	---	43.11	43.48	38.81
13	38.57	36.01	35.83	41.08	33.38	34.45	35.42	34.40	---	42.97	43.66	41.17
14	37.88	39.60	37.48	36.97	33.47	34.47	35.26	34.45	---	43.02	43.62	41.38
15	37.79	40.18	37.44	36.32	34.19	34.75	34.97	33.65	---	43.20	43.47	40.55
16	37.94	39.72	36.92	36.91	34.41	35.06	35.01	31.96	---	43.27	43.57	39.70
17	38.54	39.29	37.12	37.40	34.55	35.26	35.23	31.93	---	43.74	43.57	39.35
18	38.68	39.08	36.96	37.20	35.79	35.24	35.57	35.45	---	44.66	43.59	39.84
19	38.79	39.23	36.62	37.01	36.46	35.13	36.53	37.47	---	43.87	43.56	40.58
20	39.23	39.36	36.51	36.18	36.10	34.33	36.48	38.17	---	43.61	43.42	40.80
21	39.35	39.59	35.39	32.84	35.39	34.55	37.92	37.80	---	43.45	44.02	41.43
22	38.37	38.75	33.16	35.89	34.97	34.72	37.27	37.87	---	43.31	44.97	41.85
23	38.34	39.06	32.05	36.76	34.35	34.83	36.33	38.46	---	43.23	44.08	41.65
24	38.66	38.86	31.97	36.42	34.50	34.75	36.29	38.72	---	43.37	43.86	41.43
25	38.25	39.15	31.82	36.23	34.81	34.28	36.56	38.83	---	43.81	43.47	41.14
26	38.30	39.42	31.39	36.17	35.16	34.66	36.54	39.15	---	43.95	42.67	41.47
27	38.66	38.76	33.55	36.33	34.89	34.99	36.65	39.17	---	43.75	42.39	41.81
28	38.99	38.58	36.43	36.24	35.09	34.77	37.56	38.72	---	43.70	42.07	42.64
29	38.65	38.42	36.36	35.82	---	34.27	38.63	39.07	---	43.82	40.80	43.13
30	37.93	36.69	37.20	35.80	---	35.09	39.18	40.04	---	44.58	40.25	43.85
31	38.46	---	37.23	35.62	---	35.30	---	39.47	---	44.52	40.23	---
Mean	39.32	38.84	35.01	36.74	34.58	34.50	36.18	37.10	---	43.42	43.50	40.03
Max	43.22	40.18	37.48	41.08	36.46	35.30	39.18	40.04	---	44.66	45.57	43.85
Min	37.79	36.01	31.39	32.84	33.38	33.23	34.97	31.93	---	42.53	40.23	36.30

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