

CRAWFORD COUNTY

413542080245002. Local number, CW 413.

LOCATION.--Lat 41°35'42", long 80°24'50", Hydrologic Unit 05030102, at State Game Land Number 214 near Hartstown.

Owner: U.S. Geological Survey.

AQUIFER.--Sandstone of Cussewago Formation of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 100 ft, cased to 19 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval since May 4, 2001. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 1,110 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.43 ft above land-surface datum. Prior to May 2, 2001, measuring point, top of casing, 2.70 ft above land surface datum.

REMARKS.--Since the June 9, 1981 well pumping and clean out, the monthly mean water levels have generally been from 12 to 24 feet lower. Water levels were also affected by intermittent pumping. In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since May 2001, are available from the USGS Pennsylvania Water Science Center Office. Since the Oct. 16, 2002 well pumping and clean out, the water level recovered by 2.2 ft less than the prior static level.

PERIOD OF RECORD.--July 1967 to current year. Prior to June 1981, water-level data stored with well identification number 413542080245001.

EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes were based on extremes of the daily maximum depth below land-surface datum. Since that date, the extremes are based on the instantaneous depth below land-surface datum.

Highest water level, 20.02 ft below land-surface datum, Feb. 23, 1975; lowest, 58.46 ft below land-surface datum, Nov. 18, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 45.65 ft below land-surface datum, Jan. 13; lowest, 54.63 ft below land-surface datum, Sept. 27.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.23	51.48	50.92	48.31	48.73	47.62	48.23	47.61	50.15	51.69	52.99	54.05
2	49.46	51.40	50.91	48.22	48.74	47.97	47.99	47.61	50.19	51.82	53.03	54.10
3	49.50	51.50	50.57	47.87	48.80	48.08	47.86	47.76	50.19	51.86	53.08	54.15
4	49.67	51.32	50.54	47.48	48.97	48.08	47.90	47.90	50.29	51.91	53.10	54.18
5	49.81	51.11	50.52	47.23	49.07	48.23	47.84	47.92	50.36	51.90	53.22	54.19
6	49.91	51.02	50.44	46.79	49.10	48.23	47.45	47.81	50.41	51.98	53.24	54.17
7	49.99	50.94	50.21	46.86	49.07	48.12	47.04	47.88	50.50	52.00	53.25	54.12
8	49.97	51.04	50.30	46.73	49.01	48.16	46.84	47.99	50.60	52.04	53.27	54.06
9	50.06	51.00	50.27	46.71	48.99	48.15	46.83	48.06	50.71	52.13	53.27	54.15
10	50.21	50.92	49.88	46.43	48.72	47.98	46.81	48.13	50.80	52.18	53.25	54.23
11	50.28	50.71	49.81	46.43	48.72	47.74	46.93	48.38	50.85	52.16	53.32	54.27
12	50.25	50.80	49.82	46.19	48.51	47.92	46.92	48.60	50.86	52.14	53.32	54.21
13	50.22	50.92	49.87	46.00	48.63	48.20	47.16	48.58	50.83	52.15	53.35	54.19
14	50.35	50.93	50.02	46.29	48.48	48.31	47.41	48.44	50.88	52.22	53.46	54.22
15	50.39	50.85	50.02	46.30	48.44	48.41	47.68	48.73	50.91	52.29	53.53	54.32
16	50.64	50.69	49.78	46.19	48.08	48.42	47.80	48.93	51.04	52.34	53.53	54.30
17	50.91	50.69	49.57	46.21	47.99	48.41	47.78	48.99	51.16	52.36	53.52	54.32
18	50.96	50.71	49.41	46.39	47.96	48.50	47.88	49.05	51.29	52.49	53.54	54.40
19	50.93	50.74	49.27	46.19	47.92	48.50	47.98	49.04	51.35	52.61	53.53	54.44
20	51.02	50.81	49.27	46.47	47.92	48.51	48.13	49.17	51.36	52.65	53.61	54.43
21	51.13	50.94	49.16	46.74	47.74	48.53	48.29	49.24	51.28	52.60	53.63	54.46
22	51.14	50.90	49.23	46.72	47.83	48.52	48.29	49.21	51.40	52.70	53.75	54.39
23	51.11	50.82	49.19	47.21	47.90	48.33	48.20	49.31	51.46	52.80	53.81	54.59
24	51.12	50.80	49.19	47.21	47.87	48.26	48.19	49.52	51.45	52.76	53.86	54.59
25	51.24	51.05	48.94	47.18	47.72	48.25	48.33	49.61	51.47	52.75	53.87	54.53
26	51.29	51.12	48.66	47.71	47.88	48.14	48.33	49.61	51.59	52.76	53.78	54.49
27	51.31	51.10	48.76	48.11	47.89	48.06	48.15	49.69	51.63	52.86	53.72	54.63
28	51.33	51.20	48.68	48.14	47.56	47.81	48.13	49.77	51.63	52.89	53.86	54.57
29	51.29	51.24	48.46	48.00	---	48.02	47.93	49.91	51.65	52.93	53.90	54.59
30	51.17	51.11	48.47	48.36	---	48.04	47.67	50.00	51.67	53.04	53.88	54.61
31	51.44	---	48.39	48.53	---	48.11	---	50.12	---	53.04	53.98	---
MEAN	50.56	51.00	49.63	47.07	48.37	48.18	47.73	48.79	51.00	52.39	53.50	54.33
MAX	51.44	51.50	50.92	48.53	49.10	48.53	48.33	50.12	51.67	53.04	53.98	54.63
MIN	49.23	50.69	48.39	46.00	47.56	47.62	46.81	47.61	50.15	51.69	52.99	54.05

