

CHESTER COUNTY OBSERVATION WELL NETWORK - REPORT FOR AUGUST 2010

Levels Indicated are Depth to Water Below Land Surface in Feet

WELL NO.	MUNICIPAL LOCATION	CURRENT MONTH		NET CHANGES		REFERENCE DATA to DETERMINE STATUS			
		DEPTH TO WATER (feet)	DROUGHT STATUS	FROM ONE MONTH AGO (1)	FROM ONE YEAR AGO (1)	DROUGHT EMERGENCY > 95%	DROUGHT WARNING > 90%	DROUGHT WATCH > 75%	BELOW MEDIAN 50%
CB-2	Honey Brook	10.73	Watch	1.30	2.82	12.52	12.10	10.71	10.09
CB-10	W. Marlborough	13.34	Above Median	0.78	-0.48	15.61	15.22	14.80	13.93
12	W. Bradford	36.40	Below Median	0.69	0.13	38.50	38.50	36.95	36.06
CB-38	New Garden	12.30	Emergency	1.74	4.87	12.27	12.20	11.41	10.07
89	E. Whiteland	141.38	N/A	1.46	-1.11	Drought-trigger levels not determined			
210	Tredyffrin	24.32	Watch	1.56	3.01	26.17	24.84	23.80	22.98
254	E. Nottingham	20.23	Above Median	1.16	-3.87	27.23	26.12	23.96	22.36
1201	W. Sadsbury	5.73	Above Median	0.26	0.21	7.41	7.20	6.57	6.01
CB-1229	Upper Uwchlan	38.37	Above Median	1.52	3.47	42.15	41.09	39.87	38.50
CB-1247	W. Vincent	29.95	Below Median	1.37	2.09	33.13	32.43	31.23	29.86
1387	Thornbury	34.02	Above Median	1.04	0.76	37.47	36.63	35.46	34.53
1571	E. Vincent	8.78	Above Median	1.38	2.59	10.68	10.60	10.44	9.96
1921	New Garden	39.77	Above Median	1.59	-3.71	48.47	47.61	45.15	41.89
2273	W. Brandywine	1.44	Below Median	1.23	1.81	2.97	2.95	1.75	0.51
2313	E. Whiteland	9.56	Below Median	1.98	-0.51	14.88	13.62	10.68	9.11
2328	E. Nantmeal	3.92	Below Median	0.87	2.61	5.33	4.75	3.98	3.04
2456	E. Brandywine	19.52	Above Median	0.53	1.13	20.51	20.38	20.14	19.89
2457	E. Goshen	20.56	Above Median	1.90	1.47	22.96	22.91	22.12	21.60
2561	Charlestown	85.27 *	N/A	1.36	-7.51	Drought-trigger levels not determined			
2584	E. Marlborough	21.48	N/A	0.24	1.05	Drought-trigger levels not determined			
2663	New Garden	10.80	Below Median	0.00	0.54	11.20	11.08	10.82	10.68
3289	Tredyffrin	24.59	Above Median	1.89	2.25	29.66	29.22	26.81	24.76
5422	Londonderry	21.25	N/A	0.76	1.38	Drought-trigger levels not determined			
6513	N. Coventry	17.73	N/A	1.28	3.43	Drought-trigger levels not determined			
6516	Pennsbury	0.15	N/A	0.05	-0.63	Drought-trigger levels not determined			
6517	W. Caln	58.39	N/A	1.50	-4.34	Drought-trigger levels not determined			
6518	Lower Oxford	22.92	N/A	0.19	0.84	Drought-trigger levels not determined			
7007	Wallace	32.51 ^N	N/A	1.38	4.00	Drought-trigger levels not determined			
7269	Newlin	9.19 ^N	N/A	-0.03	0.22	Drought-trigger levels not determined			
MEAN CHANGES OF ALL WELLS				1.11	0.52				

Wells were measured on August 23 & 24, 2010

CB = wells monitored for the Christina Basin Drought Management Plan

NR = no reading available

(1)"NET CHANGES": A (-) negative number indicates a decrease in the depth from the land surface to the water level in the well, or the level of water in the well has risen compared to the previous period.

* = a new Minimum Depth to water in the well for this month

** = new Maximum Depth to water in the well for this month

*** = well was dry at time of observation

^N = Not enough data to determine statistics

Wells CH 2273, CH 2328 and CH 6516 can have ground water flowing above the land surface (known as an artesian well); a (-) negative number under "DEPTH TO WATER" indicates water flowing above the land surface.

Reference Data Percentiles shown were revised as of September 1, 2007 to reflect updated statistical analysis performed by the U.S. Geological Survey (USGS Data Series 292, 2007).

SUMMARY

Number of wells below Median Level = 9 (3 of these are also below watch, warning or emergency levels)
 Number of wells below Drought Watch Level = 3 (1 of these are also below warning or emergency levels)
 Number of wells below Drought Warning Level = 1 (1 of these are also below emergency levels)
 Number of wells below Drought Emergency Level = 1

19 of the 29 wells have statistics

For additional information contact the Chester County Water Resources Authority at (610)344-5400.