

Chester County Water Resources Authority

Weekly Summary of Hydrologic Conditions – Week Ending 02/10/2012

PRECIPITATION (Average Annual Precipitation for Chester County according to NOAA Historic Data is 45.53 inches)

Date	24-Hr Precip Forecast	24-Hr Forecast, inches	Year to Date Precip, inches	Year to Date Departure	90/365 Days Precip, inches	90/365 Days Departure
01/13/12	5%	0.00	1.30	0.00	12.70/63.30	2.10/17.80
01/20/12	90%	0.29	1.70	-0.40	12.30/62.80	1.70/17.30
02/03/12	10%	0.00	2.80	-0.80	11.90/61.30	1.30/15.80
02/10/12	80%	0.21	2.90	-1.40	12.00/61.10	1.50/15.60

GROUNDWATER AND RESERVOIR LEVELS

Date	Well 10	Well 10, median	Chambers Lake level, elevation	Chambers Lake capacity, Mgals	Chambers Lake capacity, %	PADEP Drought Status
01/13/12	9.56	12.04	580.37	395.3	103%	Normal
01/20/12	9.98	12.25	579.80	378.7	99%	Normal
02/03/12	10.17	12.45	579.51	372.3	98%	Normal
02/10/12	10.36	12.18	580.11	386.0	100%	Normal

STREAM FLOWS

Date	Schuylkill River 01472000 Q _{7,10} 204.9 cfs	French Creek 01472157 8.8 cfs	East Valley Creek 01473169 10.7 cfs	Crum Creek 01475850 2.9 cfs	Chester Creek 01477000 13.08 cfs	Red Clay 01479820 3.0 cfs	White Clay Strickersville 01478245 n/a	White Clay Avondale 01478120 n/a	Elk Creek Forestville 01494850 n/a
01/13/12	3,820	221	44	36	184	62	167	28	19
median	1,600	68	23	16	66	34	65	12	10
01/20/12	2,080	103	31	21	94	52	95	19	13
median	1,530	75	30	20	73	39	79	12	11
02/03/12	2,540	98	30	23	101	48	87	17	12
median	1,640	101	28	23	81	36	87	17	15
02/10/12	1,820	89	28	21	89	47	83	16	12
median	1,710	75	24	17	76	30	59	12	10

STREAM FLOWS – BRANDYWINE

Date	Honey Brook 01480300 Q _{7,10} 3.5 cfs	Birch Run 01480400 n/a	Coatesville 01480500 8.3 cfs	Modena 01480617 17.5 cfs	Broad Run 01480638 n/a	Below Marsh Creek 01480685 0.76 cfs	near D'Town 01480700 13.4 cfs	below D'Town 01480870 28.9 cfs	Chadds Ford 01481000 73 cfs
01/13/12	54	18	137	115	16	66	183	293	1,120
median	18	4.4	48	58	12	31	86	122	400
01/20/12	22	21	79	88	13	63	125	182	621
median	19	5.9	51	69	11	33	110	150	458
02/03/12	25	1.6	58	104	12	63	120	173	547
median	23	6.8	64	87	13	31	99	160	468
02/10/12	22	5.6	56	102	12	28	83	130	477
median	18	5.5	48	61	8.9	26	75	122	361