

Chester County Water Resources Authority

Weekly Summary of Hydrologic Conditions – Period Ending 05/11/2012

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
04/20/12	70%	0.04	6.10	-6.80	4.30/52.20	-6.30/6.80
04/27/12	60%	0.04	8.60	-5.10	5.80/54.10	-4.90/8.70
05/04/12	60%	0.10	9.20	-5.40	6.40/53.50	-4.50/8.10
05/11/12	4%	0.00	10.20	-5.30	7.20/54.40	-3.90/9.00

GROUNDWATER AND RESERVOIR LEVELS

Date	Well 10	Well 10, median	Chambers Lake level, elevation	Chambers Lake capacity, Mgals	Chambers Lake capacity, %	PADEP Drought Status
04/20/12	11.91	11.28	579.91	380.8	100%	Normal
04/27/12	11.59	11.39	580.08	386.0	100%	Normal
05/04/12	11.85	12.10	580.11	386.0	100%	Normal
05/11/12	12.04	11.54	580.16	387.5	101%	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
04/20/12	674	43	20	12	55	28	51	10	6.6
median	2,230	94	34	24	92	38	91	18	14
04/27/12	1,040	68	25	15	73	31	64	12	8.4
median	2,100	100	34	23	91	36	84	15	12
05/04/12	1,230	66	24	14	62	29	59	11	7.8
median	2,080	84	32	20	89	35	82	23	19
05/11/12	1,970	51	22	13	67	28	53	11	6.6
median	1,780	85	31	21	80	37	69	14	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
04/20/12	13	4.1	35	48	5.9	7.4	41	70	245
median	21	6.9	57	80	13	36	90	150	450
04/27/12	16	5.6	49	57	7.4	27	70	114	323
median	21	7.9	62	86	12	31	98	151	450
05/04/12	9.6	4.9	49	56	5.9	21	62	91	303
median	20	7.0	64	80	12	31	87	135	468
05/11/12	5.2	5.2	44	54	5.9	16	57	76	285
median	19	5.3	56	76	9.4	22	85	144	465