

Chester County Water Resources Authority

Weekly Summary of Hydrologic Conditions – Week Ending 11/13/09

PRECIPITATION

Date	24-Hr Precip Forecast	24-Hr Forecast, inches	Year to Date Precip, inches	Year to Date Departure	365 Days Precip, inches	365 Days Departure
10/23/09	90%	1.58	39.80	2.70	50.40	4.90
10/30/09	70%	0.23	43.40	5.60	51.70	6.20
11/06/09	0%	0.00	43.70	5.10	51.90	6.40
11/13/09	100%	0.33	44.10	4.50	52.10	6.60

GROUNDWATER AND RESERVOIR LEVELS

Date	Well 10	Well 10, median	Chambers Lake level, elevation	Chambers Lake capacity, Mgals	Chambers Lake capacity, %	PADEP Drought Status
10/23/09	12.63	14.34	580.10	386.0	100%	Normal
10/30/09	10.20	14.37	580.29	392.2	102%	Normal
11/06/09	10.92	14.27	578.00	338.9	89%	Normal
11/13/09	11.51	14.21	577.87	335.00	87%	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
10/23/09	1410	58	24	17	63	38	50	8.8	9.4
median	712	33	20	14	40	27	35		
10/30/09	5400	132	46	32	112	54	97	23	14
median	825	34	20	12	43	25	45		
11/06/09	1840	77	34	24	83	45	68	17	12
median	1110	46	21	14	46	26	48		
11/13/09	1310	68	29	24	92	50	77	11	13
median	974	46	21	12	49	30	44		

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
10/23/09	27	7.1	40	56	8.8	59	111	136	323
median	10	3.1	27	41	7.5	13	39	61	193
10/30/09	31	14	73	102	20	67	158	251	677
median	12	3.0	32	40	8.8	13	43	67	181
11/06/09	23	9.4	51	74	12	59	118	175	438
median	14	2.8	32	52	6.5	14	56	79	251
11/13/09	21	2.0	49	67	11	56	116	161	402
median	15	2.3	34	48	12	15	51	80	235