

CHRISTINA RIVER BASIN

01479677 UNNAMED POND ABOVE UNNAMED TRIB. TO WEST BRANCH RED CLAY CREEK AT KENNETT SQUARE, PA
(New Garden Township, Chester County, Spray Irrigation Project)

LOCATION.--Lat 39°50'55", long 75°43'43", Chester County, Hydrologic unit 02040205.

DRAINAGE AREA.--0.07 mi².

PERIOD OF RECORD.--May 1998 to current year.

REMARKS.-- Depth intergrated samples collected with a grab sample prior to July 7, 1999 and by a peristaltic pump from July 29, 1999 to current year. Some values for "dissolved" parameters exceed values for the corresponding "total" parameter. These results are within the limits of analytical precision and methods. Other data for this project presented in tables on pages 368-389 and 447-484.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) AS MG (00925)	POTAS-SIUM, DIS-SOLVED (MG/L) AS K (00935)	SODIUM, DIS-SOLVED (MG/L) AS NA (00930)	ANC WATER UNFLTRD IT FIELD (MG/L AS CACO3) (00419)
OCT 2000												
24...	1100	9813	1028	13.5	7.5	423	11.9	--	--	--	--	58
NOV												
16...	1300	9813	1028	11.7	7.2	423	7.4	--	--	--	--	70
DEC												
13...	1200	9813	1028	7.4	7.0	423	4.3	51.0	13.0	3.14	9.7	65
JAN 2001												
23...	1200	9813	1028	14.5	6.6	378	4.5	--	--	--	--	44
FEB												
28...	1200	9813	1028	9.8	7.2	375	7.0	--	--	--	--	68
MAR												
29...	1400	9813	1028	10.2	8.4	363	7.9	42.3	10.4	3.07	7.5	63
MAY												
10...	1300	9813	1028	8.0	8.3	393	19.0	--	--	--	--	83
JUN												
04...	1400	9813	1028	4.9	7.6	382	23.7	--	--	--	--	87
28...	1100	9813	1028	5.7	7.7	369	27.0	49.2	9.10	6.68	7.6	85
JUL												
17...	1200	9813	1028	9.8	8.9	322	23.5	--	--	--	--	78
AUG												
29...	1500	9813	1028	2.2	8.3	407	26.5	--	--	--	--	89

DATE	BROMIDE DIS-SOLVED (MG/L) AS BR (71870)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) AS F (00950)	SILICA, DIS-SOLVED (MG/L) AS SIO2 (00955)	SULFATE DIS-SOLVED (MG/L) AS SO4 (00945)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) AS N (00608)	NITRO-GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO-GEN DIS-SOLVED (MG/L) AS N (00602)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L) AS N (00618)
OCT 2000										
24...	--	--	--	--	--	--	<.020	<.02	11	11.2
NOV										
16...	--	--	--	--	--	--	.040	.05	11	11.2
DEC										
13...	<.20	33.5	<.2	15.9	40.9	336	.050	.05	13	13.0
JAN 2001										
23...	--	--	--	--	--	--	<.020	<.02	11	10.7
FEB										
28...	--	--	--	--	--	--	<.020	.02	11	10.0
MAR										
29...	<.20	28.0	<.2	11.6	33.4	264	<.020	.02	10	8.70
MAY										
10...	--	--	--	--	--	--	<.020	<.02	7.1	6.47
JUN										
04...	--	--	--	--	--	--	.260	.27	7.5	6.35
28...	<.20	28.5	<.2	9.1	29.9	220	.470	.48	6.5	4.70
JUL										
17...	--	--	--	--	--	--	<.020	.02	6.9	4.18
AUG										
29...	--	--	--	--	--	--	.250	.37	6.1	5.10

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	BORON, DIS- SOLVED (µG/L AS B) (01020)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)
OCT 2000 24...	<.040	12	.011	<.010	.020	--	--	--	--	--
NOV 16...	.070	12	<.010	<.010	.070	--	--	--	--	--
DEC 13...	.050	13	<.010	<.010	.080	2.5	<200	<20	71.0	<10
JAN 2001 23...	<.040	12	.037	.035	.110	--	--	--	--	--
FEB 28...	<.040	11	<.010	<.010	.110	--	--	--	--	--
MAR 29...	<.040	11	<.010	<.010	.140	3.3	<200	30	121	<10
MAY 10...	.080	8.3	.022	.010	.130	--	--	--	--	--
JUN 04...	.090	7.6	<.010	<.010	.060	--	--	--	--	--
28...	.140	7.7	.012	.013	.420	5.0	<200	80	161	<10
JUL 17...	.060	7.1	.020	.013	.290	--	--	--	--	--
AUG 29...	.160	7.7	.018	<.010	.040	--	--	--	--	--