

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 December 2001. (discontinued)

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 426-435 and 472-496.

WATER-QUALITY DATA, OCTOBER 2001 TO DECEMBER 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)
OCT 2001 10...	1500	9813	1028	2.4	7.5	430	13.0	50.1	11.1	5.22
NOV 08...	1100	9813	1028	9.5	7.4	446	10.4	--	--	--
DEC 05...	1530	9813	1028	13.8	7.9	425	10.5	53.6	12.8	3.41

Date	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC WATER UNFLTRD IT FIELD (MG/L AS CACO3) (00419)	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 DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
OCT 2001 10...	11.8	65	<.2	39.6	<.20	11.4	39.6	256	.370
NOV 08...	--	79	--	--	--	--	--	--	<.020
DEC 05...	10.1	75	<.2	39.8	<.20	14.6	41.4	298	<.020

Date	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)	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)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
OCT 2001 10...	.370	8.8	7.38	.100	9.4	.022	<.010	.130	3.7
NOV 08...	<.020	9.2	7.83	.110	9.6	.017	<.010	.060	--
DEC 05...	<.020	9.5	7.89	<.040	10	.023	<.010	.070	2.6

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WATER-QUALITY DATA, OCTOBER 2001 TO DECEMBER 2001

Date	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALUM- INUM, DIS- SOLVED (µG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (µG/L AS SB) (01095)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	BARIUM, DIS- SOLVED (µG/L AS BA) (01005)	BORON, DIS- SOLVED (µG/L AS B) (01020)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)
OCT 2001 10...	3.8	16	<2	<4.0	79.6	<200	<.20	<4	<4
NOV 08...	--	--	--	--	--	--	--	--	--
DEC 05...	2.8	17	<2	<4.0	77.4	<200	<.20	<4	<4
Date	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LITHIUM DIS- SOLVED (µG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MERCURY DIS- SOLVED (µG/L AS HG) (71890)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (µG/L AS SR) (01080)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)
OCT 2001 10...	40	<1.0	<20	70	<.20	<4.0	<7	170	<10
NOV 08...	--	--	--	--	--	--	--	--	--
DEC 05...	20	<1.0	<20	80	<.20	<4.0	<7	190	<10