

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.
Other data for this project presented in tables on pages 323-331 and 412-428.

WATER-QUALITY DATA, OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	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 1999												
28...	1300	9813	1028	12.6	7.7	304	12.0	--	--	--	--	65
DEC 01...	1300	9813	1028	12.9	7.6	377	4.2	--	--	--	--	58
JAN 2000												
03...	1400	9813	1028	--	6.8	392	8.8	46.9	10.5	3.6	8.1	57
FEB 03...	1100	9813	1028	--	5.5	425	4.2	--	--	--	--	59
MAR 07...	1400	9813	1028	14.9	6.8	380	10.6	--	--	--	--	56
APR 03...	1300	9813	1028	14.5	6.8	302	13.0	--	--	--	--	51
MAY 17...	1400	9813	1028	11.6	7.5	419	19.0	53.8	12.1	3.6	9.3	84
JUN 28...	1300	9813	1028	7.0	6.8	426	26.1	--	--	--	--	78
JUL 31...	1100	9813	1028	6.6	8.4	384	23.5	49.4	11.3	3.6	8.8	68
AUG 31...	1100	9813	1028	9.6	7.5	451	22.5	--	--	--	--	76
SEP 21...	1400	9813	1028	6.6	7.6	322	18.7	40.8	9.83	4.5	7.9	69
28...	1400	9813	1028	9.6	7.3	353	15.1	40.0	9.58	5.2	8.0	69

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, DIS-SOLVED TOTAL (MG/L AS N) (00600)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 1999												
28...	--	--	--	--	<.02	<.020	10.1	11	11	.070	.022	.022
DEC 01...	--	--	--	--	<.02	<.020	10.1	11	11	.100	.023	.012
JAN 2000												
03...	26.6	<.2	14.6	35.9	<.02	<.020	12.8	13	13	.060	.021	.014
FEB 03...	--	--	--	--	<.02	<.020	15.7	17	17	.030	.035	<.010
MAR 07...	--	--	--	--	<.02	<.020	11.2	--	12	.060	.016	<.010
APR 03...	--	--	--	--	<.02	<.020	7.10	9.7	7.8	<.040	.014	.011
MAY 17...	29.5	<.2	17.0	38.8	.07	.060	8.60	9.5	9.4	.110	.027	.020
JUN 28...	--	--	--	--	.14	.140	8.40	9.9	9.5	.080	.017	.012
JUL 31...	29.4	<.2	12.1	36.5	<.02	<.020	7.80	10	8.7	<.040	.032	.017
AUG 31...	--	--	--	--	.07	.060	7.28	9.6	8.1	<.040	.024	.017
SEP 21...	27.5	<.2	9.4	33.7	.06	.060	7.20	8.8	--	<.040	.044	.094
28...	25.4	<.2	10.2	31.6	.08	.080	7.60	8.6	8.4	<.040	.041	.061

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DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)
OCT 1999											
28...	.070	--	--	--	--	--	--	--	--	--	--
DEC											
01...	.180	--	--	--	--	--	--	--	--	--	--
JAN 2000											
03...	.260	2.8	--	294	--	--	--	--	<200	<.20	--
FEB											
03...	.120	--	--	--	--	--	--	--	--	--	--
MAR											
07...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	.120	--	--	--	--	--	--	--	--	--	--
MAY											
17...	.180	3.6	--	294	16	--	--	--	<200	<.20	--
JUN											
28...	.140	--	--	--	--	--	--	--	--	--	--
JUL											
31...	.210	4.2	--	294	25	--	--	--	<200	<.20	--
AUG											
31...	.370	--	--	--	--	--	--	--	--	--	--
SEP											
21...	.110	4.2	3.8	278	19	<2	<4.0	64	<200	<.20	<.2
28...	.090	4.3	4.9	300	20	<2	<4.0	71	<200	<.20	<.2
DATE	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	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 1999											
28...	--	--	--	--	--	--	--	--	--	--	--
DEC											
01...	--	--	--	--	--	--	--	--	--	--	--
JAN 2000											
03...	--	--	<20	--	--	89	--	--	--	--	<10
FEB											
03...	--	--	--	--	--	--	--	--	--	--	--
MAR											
07...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	--	--	<20	--	--	149	--	--	--	--	<10
JUN											
28...	--	--	--	--	--	--	--	--	--	--	--
JUL											
31...	--	--	20	--	--	89	--	--	--	--	<10
AUG											
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
21...	<4.0	<4	20	<1	<25.0	101	<.2	<4	<7.0	155	<10
28...	<4.0	<4	30	<1	<25.0	106	<.2	<4	<7.0	150	<10