CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO2) (MG/L)	DISSOLVED CALCIUM (Ca) (MG/L)	DISSOLVED MAGNESIUM (Mg) (MG/L)	DISSOLVED SODIUM (Na) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (Cl) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER ACRE-FT)	HARDNESS (CaCO3) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.																						
01...	1530	5.0	6.7	41	15	1.9	.5	208	1	5.5	1.0	.1	174	4.04	.24	160	0	.1	.00	.00	.00	.01
29...	1730	4.7	5.1	45	15	1.9	.9	210	--	5.3	1.1	.1	176	1.22	.24	170	2	.1	.00	.01	.01	.03
NOV.																						
12...	1520	A5.0	6.4	44	15	2.1	.8	215	--	6.3	1.4	.1	145	1.00	.25	160	4	.1	.00	.06	.06	.04
DEC.																						
02...	1500	4.7	6.7	43	14	2.2	.4	212	--	5.3	.3	.1	175	2.22	.24	170	0	.1	.02	.06	.08	.02
JAN.																						
06...	1530	3.0	5.2	44	14	1.8	.6	213	--	5.8	1.7	.1	143	1.48	.25	140	5	.1	.00	.09	.09	.03
FEB.																						
14...	1130	3.4	6.4	45	16	2.3	.4	219	--	6.5	.8	.0	145	1.90	.25	140	1	.1	.00	.06	.06	.01
MAR.																						
10...	1115	3.2	6.7	46	15	2.5	.4	219	--	5.8	.8	.2	144	1.59	.25	140	0	.1	.01	.03	.04	.00
APR.																						
05...	1130	4.3	6.5	44	15	3.2	.8	214	--	6.7	.1	.1	167	2.17	.25	140	5	.1	.00	.06	.08	.01
MAY																						
03...	1100	10	6.4	42	12	3.8	.9	190	--	8.4	1.9	.1	167	11.5	.23	150	0	.1	.00	.02	.02	.01
JULY																						
09...	1055	51	3.7	43	11	1.5	.8	173	--	2.8	.6	.1	144	20.5	.20	150	11	.1	.00	.06	.08	.02
AUG.																						
12...	1545	16	4.2	45	14	1.8	.5	195	--	5.0	.3	.1	168	7.26	.23	170	13	.1	.01	.01	.02	.00
SEP.																						
03...	1045	11	4.4	45	13	1.8	.5	203	--	3.6	1.0	.3	170	5.05	.23	170	0	.1	--	--	.06	.01

A Daily mean discharge.

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	CYANIDE (CN) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT.														
01...	1530	30	0	--	0	0	0	0	0	0	.0	1	0	30
JUNE														
03...	1100	1700	50	.00	0	0	<10	0	10	<100	.9	0	<10	20

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
OCT.											
01...	1530	.00	.0	.0	0	.00	.0	.00	.2	.00	.0

DATE	TOTAL DIAZINON (UG/L)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)
OCT.											
01...	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL MALATHION (UG/L)	TOTAL METHYL PARATHION (UG/L)	TOTAL PARATHION (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT.										
01...	.00	.00	.00	.0	0	0	0	.00	.00	.00

FIELD DETERMINATIONS

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT.									
01...	1530	5.0	320	8.3	--	9.9	85	88	73
29...	1730	4.0	345	8.3	--	9.5	82	81	84
DEC.									
02...	1520	.0	310	8.3	--	12.3	<1	<1	42
JAN.									
06...	1500	.0	320	7.8	1	6.5	42	82	83
FEB.									
03...	1530	.0	330	8.1	1	13.3	84	810	<1
MAR.									
14...	1130	.5	340	6.0	0	11.2	817	150	82
APR.									
10...	1115	.5	300	7.3	1	10.6	85	86	<1
MAY									
05...	1130	1.0	355	7.5	1	11.5	814	87	<1
JUNE									
03...	1100	3.0	310	7.8	20	10.2	89	88	83
JULY									
09...	1055	5.0	300	7.9	--	10.1	42	81	720
AUG.									
12...	1545	9.5	300	8.2	--	9.0	59	84	100
SEP.									
03...	1045	3.0	310	8.2	--	9.9	65	82	44

B Non-ideal counting conditions.

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	NUMBER OF SAMPLING POINTS	BED MAT. FALL DIAM. % FINER THAN .062 MM	BED MAT. FALL DIAM. % FINER THAN .125 MM	BED MAT. FALL DIAM. % FINER THAN .250 MM	BED MAT. FALL DIAM. % FINER THAN .500 MM
JUNE								
03...	1100	3.0	30	22	14	29	44	69

BED MAT. FALL DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 64.0 MM
50	53	58	68	76	78	100

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM
OCT.								
01...	1530	5.0	6.5	4	.09	--	--	--
29...	1730	4.0	6.7	5	.09	--	--	--
DEC.								
02...	1520	.0	A6.0	3	.05	--	--	--
JAN.								
06...	1500	.0	4.7	25	.32	--	--	--
FEB.								
03...	1530	.0	A3.4	4	.04	--	--	--
MAR.								
14...	1130	.5	3.4	4	.04	--	--	--
APR.								
10...	1115	.5	3.2	2	.02	--	--	--
MAY								
05...	1130	1.0	4.3	6	.07	--	--	--
JUNE								
03...	1100	3.0	30	74	6.0	85	95	100
JULY								
09...	1055	5.0	51	40	6.3	--	--	--
AUG.								
12...	1545	4.5	16	14	.60	--	--	--
SEP.								
03...	1045	3.0	11	10	.30	--	--	--

A Daily mean discharge.