WATER QUALITY AT MISCELLANEOUS SURFACE-WATER SITES

New England Coastal Basin National Water-Quality Assessment Program Surface-Water Synoptic Sampling, June 6 - September 14, 2001

Miscellaneous water-quality sites are locations where non-routine water-quality data are collected during one year for use in hydrologic analyses. Data are collected either intermittently or systematically for a limited period of time. Water-quality data presented in this table were collected by the New England Coastal Basin National Water-Quality Assessment Program (NAWQA) as part of a study to provide further information on nutrient/chlorophyll relations in streams.

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG (00025)	SOLIDS RESIDU AT 180 DEG. C DIS- SOLVED (MG/L)	E BID- ITY FIELD WATER UNFLTR (NTU)	OXYGEN DIS- D SOLVED (MG/L)) (00300)	(STAN ARD UNITS	ANCE) (µS/C	TEMPE ATURE WATER M) (DEG	SOLVE (MG/I C) AS CA	DISTRICT OF THE CONTROL OF THE CONTR		POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
						MERRIMAC	K RIVER I	BASIN					
	0109	90477	BLACK	BROOK,	AT DUNBART	ON RD, N	EAR MANCI	HESTER, N	H (LAT 4	3 01 31N	LONG 07	1 30 17	W)
JUN 13 JUL	. 1445	26	752	80	1.5	8.4	6.4	125	22.0	3.3	6 .	849	.56
	. 1200 . 0800	10 3.0	754 748	86 61	1.3 1.1	8.8 7.7	6.8 7.0	113 101	20.5 24.0			839 834	.52 .51
AUG 15	. 0900	2.4	756	51	1.0	8.6	6.9	94	19.0	3.2	7 .	836	.57
	. 0900	.71	760	78	.7	11.1	7.2	140	14.0			04	.74
14	. 0730												
DATE	SODIUM DIS- SOLVED (MG/L AS NA)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL)	(MG/L AS F)	SILICA DIS- SOLVED (MG/L AS SIO ₂)	SULFATE 2 DIS- 1 SOLVED 3 (MG/L AS SO ₄) 2	NITRO- GEN, AMMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P)
		90477			AT DUNBART								
JUN	010.	70477	DIACK	BROOK,	AI DONDAKI	ON ND, N	BAIL PIAILCI	IBDIBK, N	II (DAI 4)	J 01 J1N	LONG 07.	1 30 17	,,
13 JUL	. 18.1	30.6	<.2	3.8	3.4	E.027	.31	.40	E.042	E.003	.010	<.020	.018
	. 16.3 . 13.9	27.5 22.1	<.2 E.1	3.9		E.029 <.040	.33	.41	.072 .094	.006 <.006	.013	<.020 <.020	.019 .018
	. 12.6	19.9	<.2	2.1	2.9	E.025	.30	.36	.082	<.006	.009	<.020	.012
	. 19.1	32.2	<.2	2.3	4.7	<.040	.20	.23	.087	<.006	E.004	<.020	.006
DATE	CARBON, ORGANIO DIS- SOLVED (MG/L AS C)	,	ION, ION, ION, ION, ION, ION, ION, ION,	PERI- PHYTON BIOMASS ASH JEIGHT (G/SQ M)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT (G/SQ M	PHEO- PHYTIN A, PERI- PHYTON	1 PHY A, 1 PHY 1 PHE	CO- PTIN PCTO- GTON F	HLOR-A ERI- HYTON HROMO- RAPHIC LUOROM MG/M ₂)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROI (µG/L)	IRO DIS SOL	N - VED /L	MANGA- NESE, DIS- SOLVED (μG/L AS MN)
	(00681)	(006	80)	(00572)	(00573)	(62359	9) (62	360) (70957)	(70953) (01	046)	(01056)
	0109	90477	BLACK	BROOK,	AT DUNBARI	ON RD, N	EAR MANCI	HESTER, N	H (LAT 4	3 01 31N	LONG 07	1 30 17	W)
	. 6.7	7.9		54.6	58.1	1.6	1.	0	2.3	1.4	2	80	22.9
	. 6.4	7.5		231.8	238.3	4.1	1.		3.8	.6		40	19.4
25 AUG		6.7		255.7	262.0	1.7	2.		5.5	4.1		90	21.3
SEP	. 4.8	5.8	2	209.8	218.0	6.1	1.		10.0	.7		90	17.7
06 14	. 3.7	4.3	:	 L33.9	140.5	9.1	1.		7.2	. 4	1 -	10 -	22.1

WATER QUALITY AT MISCELLENEOUS GROUND-WATER WELLS (WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001)

Remarks: STATE ID NO., State-assigned number to water-utility system and well subject to change); G/M, gallons per minute; "E", estimated concentration; "<", less than; "M", presence verified, not quantified; 112SRFD, unconsolidated, surficial aquifers. Organic pesticide compounds, analyzed by NWQL Schedule 2001, and volatile organic compounds (VOCs), analyzed by NWQL Schedule 2020, are listed with laboratory reporting levels in the section "EXPLANATION OF RECORDS". Only pesticides and VOCs identified by the analyses (either as estimated values or values measured at or above the laboratory reporting level) for one or more samples are listed in the water-quality tables. Water-quality data presented in this table were collected by the New England Coastal Basins National Water-Quality Assessment Program (NAWQA) as part of a ground water study in unconsolidated, surficial (stratified-drift) aquifers. Water-quality samples were collected from gravel-packed wells used to provide municipal drinking water. Locations of wells are shown in figure 4. Accurate latitude and longitudal data are available for the public-supply wells, but are omitted from this table. Anyone interested in obtaining this locational data should contact the USGS Information Officer, NH/VT District, at dc_nh@usgs.gov.

LOCAL IDENT- IFIER	STATE ID NO.		TOWN	GEO- LOGIC UNIT	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL (FEET) (72019)	DEPTH TOP OF SCREEN (FT) (72015)	BOTT OF SCRE (FT)	DEPT	RATE (G/M)	E WELL YIELD (G/M)
				н	ILLSBOROU	GH COUNT	Y					
NH-PCW 126	NH187101	.0-003	Peterborough	n 112SRFD	07-10-01	1100	29.0	42	52	51.5	5 4	194
					MERRIMACE	COUNTY						
NH-WCW 5	NH241101		Warner		07-09-01	1100	10.83	30	38	38	2	150
NH-BUW 11 NH-LSW 246	NH026601 NH140702		Bow Loudon		08-02-01 08-09-01	1100 1100	33.80 7.50	40 21	49 28	48.7 28	7 3.5 3	91 250
					CARROLL	COUNTY						
NH-CWW 9	NH051103	0-003	Conway	112SRFD	08-15-01	1100	10.37	57	77	77	5	900
NH-B3W 11	NH239101	.0-002	Brookfield	112SRFD	08-13-01	1100	14.80	25	30	30	4.5	125
					coos c	OUNTY						
NH-BRW 1	NH023101	0-004	Berlin	112SRFD	08-14-01	1100	16.27	35	41	41	6	700
LOCAL IDENT- I- FIER	DATE	ELEV. OF LANI SURFACI DATUM (FT. ABOVE NGVD) (72000	E AT 180 DEG. C DIS- SOLVED (MG/L)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANCE (µS/	CM)	TEMPER- ATURE WATER (DEG C) (00010)	NITRO- GEN GAS DISS. (MG/L AS N ₂) (00597)	HARD- NESS TOTAL (MG/L AS CACO ₃) (00900)
HILLSBOROUGH COUNTY												
NH-PCW 126	07-10-01	730	101	.1	9.2	80.8	6.0	148		8.0	20.1	27.9
MERRIMACK COUNTY												
NH-WCW 5	07-09-01	410	78	.1	1.7	16.1	6.0	113		11.8	18.1	19.5
NH-BUW 11 NH-LSW 246	08-02-01 08-09-01	210 470	143 124	. 4	9.0	80 2	5.6 5.8	235 168		10.6 13.9	35.8 25.3	39.5 44.1
					CARROLL	COUNTY						
NH-CWW 9	08-15-01	470	37	.1	3.9	36	5.9	58		9.1	19.3	14.2
NH-B3W 11	08-13-01	520	218	.2	3.0	27	6.1	383		7.5	20.5	72.9
					coos c	OUNTY						
NH-BRW 1	08-14-01	1130	105	.3	2.8	25	5.8	160		7.8	22.8	37.4

LOCAL IDENTI- I- FIER NH-PCW 126	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931) HILLSBOR	SODIUM PERCENT (00932) OUGH COUNT 53.1	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO ₃) (39086)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO ₃) (00453)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO ₃) (00452)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)
MII-FCW 120	07-10-01	8.70	1.49	13.3		ACK COUNTY	1.23	12	13	O	.01
NH-WCW 5 NH-BUW 11 NH-LSW 246	07-09-01 08-02-01 08-09-01		.932 2.73 3.85	14.3 28.0 13.5	1.41 1.95 .886	59.7 59.8 38.7 LL COUNTY	1.24 1.36 2.00	12 17 30	15 21 36	0 0 0	<.01 .04 .10
NH-B3W 11	08-13-01		2.47	35.0	1.78	50.1	2.48	30	36	0	.03
	COOS COUNTY										
NH-BRW 1	08-14-01	10.5	2.67	17.4	1.24	49.3	1.28	22	27	0	.02
LOCAL IDENTI- I- FIER	DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO ₂) (00955)	SULFATE DIS- SOLVED (MG/L AS SO ₄) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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)
40.6						OUGH COUNT					
NH-PCW 126	07-10-01	31.6	<.2	12.1	4.7	E.031	<.10	.162	.011	.009	<.020
NH-WCW 5 NH-BUW 11 NH-LSW 246	08-15-01	49.8 21.5	<.2 <.2 <.2	7.6 15.5 13.7	4.4 8.2 17.6 CARROI	E.032 <.040 .165 LL COUNTY E.024	E.07 <.10 .24	.259 .938 .093	.011 <.006 <.006	.935 <.006 <.006	.582 <.020 <.020
NH-B3W 11	08-13-01	83.7	<.2	11.4	5.1	E.025	<.10	1.21	<.006	<.006	<.020
	00.44.5:	00.1		40.		COUNTY	4.6	404	0.0.5	0.0.5	0.00
NH-BRW 1	08-14-01	28.1	<.2	13.4	12.3	< .040	<.10	.184	<.006	<.006	<.020

LOCAL IDENT- I- FIER	DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ALUM- INUM, DIS- SOLVED (µG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (µG/L AS SB) (01095)	ARGON (MG/L AS A) (82043)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	BARIUM, DIS- SOLVED (µG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE) (01010)	BORON, DIS- SOLVED (µG/L AS B) (01020)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	
				H	ILLSBOROUG	H COUNTY						
NH-PCW 126	07-10-01	21	E.21	<1	E.03	.740	<.2	3.2	<.06	E4	E.03	
					MERRIMACK	COUNTY						
NH-WCW 5	07-09-01	19	1.4	17	E.04	.660	.2	4.5	< .06	11	< .04	
NH-BUW 11	08-02-01	75	.39	17	<.05	1.02	E.2	13.6	<.06	35	E.03	
NH-LSW 246	08-09-01	103	.79	10	<.05	.690	.6	27.9	< .06	E7	.14	
CARROLL COUNTY												
NH-CWW 9	08-15-01	15	E.27	118	<.05	.720	E.1	1.9	.24	<7	.04	
NH-B3W 11	08-13-01	45	.67	3	<.05	.710	E.1	10.5	< .06	9	E.03	
					coos co	UNTY						
NH-BRW 1	08-14-01	49	.63	5	<.05	.790	<.2	14.9	<.06	E5	< .04	
LOCAL IDENT- I- FIER	DATE	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COBALT, DIS- SOLVED (µG/L AS CO) (01035)	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)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO) (01060)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	
NH-PCW 126	07-10-01	<.8	.12	.5	<10	.65	. 4	81.6	<.2	<.06	<.3	
1411_LCM TQ0	0/-10-01	·.o	. 14				. *±	01.0	~.4	\.U0	\.J	
					MERRIMACK	COUNTY						
NH-WCW 5	07-09-01	<.8	.18	10.0	50	1.93	.3	23.5	E.1	<.06	<.3	
NH-BUW 11	08-02-01	<.8	.40	8.1	140	.16	1.2	68.5	<.2	.51	<.3	
NH-LSW 246	08-09-01	E.5	2.81	<.2	850	<.08	E.3	1430	E.1	1.82	<.3	
					CARROLL	COUNTY						
NH-CWW 9	08-15-01	<1.6	E.01	.7	M	<.08	2.6	1.5	. 4	.33	<.3	
NH-B3W 11	08-13-01	<.8	.12	77.2	20	5.69	6.3	5.9	<.2	.34	<.3	
					coos co	UNTY						
NH-BRW 1	08-14-01	<.8	.03	. 4	M	.20	. 6	1.6	. 2	E.04	<.3	

LOCAL IDENT- I- FIER	DATE	SILVER, DIS- SOLVED (µG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (µG/L AS SR) (01080)	THAL- LIUM, DIS- SOLVED (µG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (µG/L AS V) (01085)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	METHANE DISS. (μG/L AS CH ₄) (76994)	PRO- METON, WATER, DISS, REC (µG/L) (04037)	SI- MAZINE, WATER, DISS, REC (µG/L) (04035)	1,1,1- TRI- CHLORO- ETHANE TOTAL (µG/L) (34506)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34571)
				H	ILLSBOROUG	H COUNTY					
NH-PCW 126	07-10-01	<1.0	50.7	.08	<.2	4	0	<.015	<.011	<.03	<.05
					MERRIMACK	COUNTY					
NH-WCW 5	07-09-01	<1.0	44.2	< .04	E.1	4	0	E.003	E.004	<.03	<.05
NH-BUW 11	08-02-01	<1.0	120	< .04	<.2	3	0	<.015	<.011	E.02	<.05
NH-LSW 246	08-09-01	<1.0	136	< .04	<.2	1	164.0	<.015	<.011	<.03	E.02
					CARROLL	COUNTY					
NH-CWW 9	08-15-01	<1.0	21.5	< .04	E.2	3	0	<.015	<.011	<.03	<.05
NH-B3W 11	08-13-01	<1.0	126	< .04	<.2	8	4.80	<.015	<.011	<.03	<.05
COOS COUNTY											
NH-BRW 1	08-14-01	<1.0	63.2	< .04	<.2	<1	0	<.015	<.011	<.03	<.05
LOCAL IDENT- I- FIER	DATE	CHLORO- FORM TOTAL (µG/L) (32106)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (µG/L) (34668)	METHYL TERT- BUTYL ETHER WAT UNF REC (µG/L) (78032)	TETRA- CHLORO- ETHYL- ENE TOTAL (µG/L) (34475)	TRI- CHLORO- ETHYL- ENE TOTAL (µG/L) (39180)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	H-2/ H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18/ O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS- SOLVED (PCI/L) (09503)
				H	ILLSBOROUG	H COUNTY					
NH-PCW 126	07-10-01	E.02	<.3	E.1	<.1	< .04	.27	1.43			M
					MERRIMACK	COUNTY					
NH-WCW 5	07-09-01	E.06	<.3	<.2	<.1	< .04	.47	1.63			.01
NH-BUW 11	08-02-01	<.02	<.3	E.1	M	E.02	2.79	3.38			.05
NH-LSW 246	08-09-01	<.02	E.4	. 6	<.1	<.04	.82	3.27			.16
					CARROLL	COUNTY					
NH-CWW 9	08-15-01	<.02	<.3	<.2	<.1	< .04	1.76	2.49			.04
NH-B3W 11	08-13-01	E.02	<.3	.2	М	<.04	1.59	3.92			.15
					coos co	UNTY					
NH-BRW 1	08-14-01	<.02	E.1	<.2	<.1	< .04	.57	3.06	-74.56	-10.89	.05

		RADIUM			
		228			URANIUM
LOCAL		DIS-			NATURAL
IDENT-		SOLVED	RA-224	RADON	DIS-
I-		(PCI/L	WATER	222	SOLVED
FIER	DATE	AS	FLTRD	TOTAL	(µG/L
		RA-228)	(PCI/L)	(PCI/L)	AS U)
		(81366)	(50833)	(82303)	(22703)
	н	ILLSBOROUGH C	COUNTY		
NH-PCW 126	07-10-01	.54	М	387	<.02
		MERRIMACK CO	UNTY		
NH-WCW 5	07-09-01	.73	.03	419	.04
NH-BUW 11	08-02-01	.30	M	2190	.21
NH-LSW 246	08-09-01	.40	.09	1350	.06
		CARROLL COUN	TY		
NH-CWW 9	08-15-01	1.04	.08	3740	.56
NH-B3W 11	08-13-01	1.02	.17	1520	.77
		COOS COUNT	Y		
NH-BRW 1	08-14-01	.53	M	2270	.16