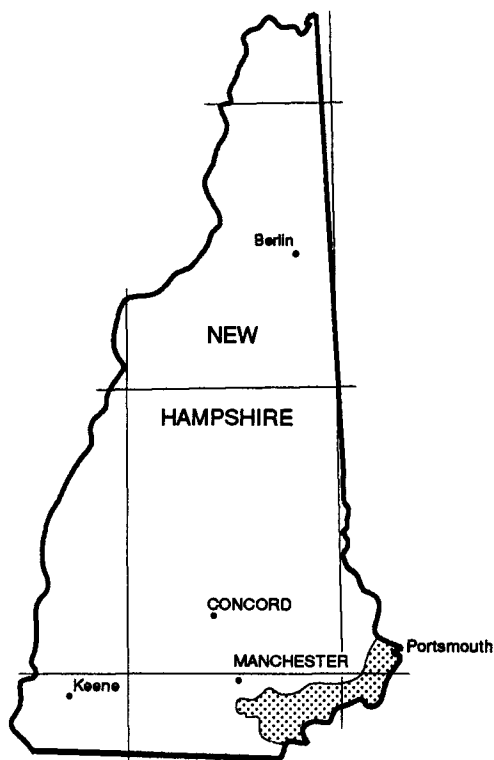


Geohydrologic, Ground-Water Quality, and Streamflow Data for the Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins, Southeastern New Hampshire

U.S. GEOLOGICAL SURVEY

Open-File Report 89-390



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STATE OF NEW HAMPSHIRE
DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER RESOURCES DIVISION

Table 3.--Stratigraphic logs of selected wells and borings--continued

Local site number	Depth to top (feet)	Depth to bottom (feet)	Aquifer code	Lithology
Seabrook, continued				
SGW 33	0	0.5	111SOIL	Topsoil
	0.5	47.5	112MRIN	Clay, gray
	47.5	64.7	112MRIN	Clay and sand, fine, gray
	64.7	--	112SRFD	Clay, sand, fine, gray, and gravel
SGW 34	0	0.5	111SOIL	Topsoil
	0.5	16	112MRIN	Clay
	16	20.3	112SRFD	Sand and gravel, fine, brown
	20.3	50.5	112SRFD	Sand, fine to medium, brown; trace of clay
	50.5	--	112MRIN	Clay and sand, fine, brown
SGW 35	0	25.3	112MRIN	Clay, gray-brown and sand, fine, brown
	25.3	--	112SRFD	Sand, fine, brown; some coarse sand
SGW 36	0	40.8	112MRIN	Clay, gray
	40.8	72.3	112SRFD	Clay, fine gray sand, and gravel
	72.3	--	112SRFD	Clay, sand, and gravel, fine, gray
SGW 37	0	5.5	112SRFD	Gravel, "heavy"
	5.5	--	112SRFD	Sand, fine, brown; trace of clay
SGW 38	0	5.3	112SRFD	Gravel, "heavy"
	5.3	20.5	112MRIN	Clay and sand, gray-brown
	20.5	36.7	112SRFD	Sand, fine, brown; some gravel
	36.7	--	112MRIN	Clay and sand, fine, gray; some gravel
SGW 39	0	20	112SRFD	Sand and gravel, fine to coarse, brown; some cobbles and boulders
	20	25	112SRFD	Clay, silt, sand, and gravel, fine to coarse
	25	30	112SRFD	Silt, sand, and gravel, fine to coarse
	30	35	112SRFD	Sand and gravel, coarse
	35	--	112SRFD	Sand and gravel, medium to coarse
SGW 40	0	4	111SOIL	Subsoil, sandy, compact
	4	12.5	112SRFD	Sand, fine to medium, brown; some small gravel; trace of clay
	12.5	18.8	112MRIN	Clay, gray; some fine sand
	18.8	30	112MRIN	Clay and sand, fine, gray
	30	36.6	112MRIN	Clay, gray and fine sand
	36.6	--	112TILL	Clay, sand, and "sharp" gravel, gray
SGW 41	0	10.3	112MRIN	Clay, brown
	10.3	42.3	112MRIN	Clay, gray
	42.3	--	112SRFD	Sand, gravel, fine, gray; some clay
SGW 43	0	0.5	111SOIL	Topsoil
	0.5	23.3	112SRFD	Sand and gravel, fine, brown
	23.3	40.5	112SRFD	Sand, fine to medium, brown
	40.5	55.5	112SRFD	Sand and gravel, fine, brown
	55.5	80.3	112SRFD	Sand, fine, brown; trace of clay and gravel
	80.3	--	112SRFD	Sand and gravel, fine, gray; trace of clay
SGW 44	0	0.5	111SOIL	Topsoil
	0.5	19.2	112SRFD	Sand, fine, light brown
	19.2	45.5	112MRIN	Clay and sand, gray
	45.5	79.2	112MRIN	Sand, fine, light brown; trace of clay
	79.2	85.6	112SRFD	Sand, fine to medium, and gravel, brown; trace clay
	85.6	90.3	112SRFD	Sand, fine to medium, brown
	90.3	--	112SRFD	Sand, fine to medium, and gravel, brown; trace clay

Table 3.--Stratigraphic logs of selected wells and borings--continued

Local site number	Depth to top (feet)	Depth to bottom (feet)	Aquifer code	Lithology
Seabrook, continued				
SGW 45	0	20	112SRFD	Sand and gravel, fine, brown
	20	30	112MRIN	Silt, fine, gray
	30	45	112MRIN	Clay and silt, fine, gray
	45	68	112MRIN	Clay, firm, gray
	68	76	112MRIN	Clay, firm, gray and fine silt
	76	90	112MRIN	Clay and sand, silty, gray
	90	97	112MRIN	Clay and silt, gray
	97	--	112TILL	Till; silt, fine, and gravel
SGW 46	0	13.5	112SRFD	Sand, coarse, brown
	13.5	29	112MRIN	Clay, fine sand, gray; some gravel
	29	--	112TILL	Sand and "sharp" gravel, gray-blue; some clay
SGW 47	0	6	112SRFD	Sand, fine to coarse
	6	18	112MRIN	Clay, brown, and sand, fine to coarse
	18	--	112MRIN	Clay and sand, fine, gray
SGW 48	0	34	112MRIN	Clay, gray
	34	42	112SRFD	Sand and gravel, fine, gray
	42	--	112SRFD	Sand, fine, gray; trace of clay
SGW 49	0	2	111SWMP	Mud and peat
	2	--	112MRIN	Clay, gray
SGW 51	0	12	112MRIN	Clay, gray
	12	--	112SRFD	Broken schist gravel
SGW 52	0	40	112MRIN	Clay, gray
	40	--	112SRFD	Sand, gray and gravel
SGW 58	0	45.8	112MRIN	Clay, gray
	45.8	--	112SRFD	Sand, fine, gray and gravel; trace of clay
SGW 62	0	35	112MRIN	Clay, gray
	35	--	112SRFD	Broken schist gravel
SGW 63	0	--	112SRFD	Sand and gravel, coarse
SGW 64	0	3	112SRFD	Sand, fine to granule, brown; mostly coarse sand
	3	7	112SRFD	Sand, coarse to granule, brown; mostly coarse sand
	7	12	112SRFD	Sand, very fine to fine, brown, well sorted
	12	17	112SRFD	Sand, fine, light brown; well sorted
	17	22	112SRFD	Sand, fine to coarse, brown; mostly coarse sand
	22	27	112SRFD	Sand, medium, brown; well sorted
	27	32	112SRFD	Sand, coarse to granule, brown; mostly coarse sand
	32	--	112TILL	Till
SGW 65	0	3	111SDMN	Gravel Fill
	3	8	111SWMP	Peat and rocks
	8	45	112MRIN	Clay
	45	50	112SRFD	Gravel, coarse
	50	55	112SRFD	Sand and gravel, medium
	55	60	112GLCL	Clay and gravel, coarse
	60	65	112SRFD	Gravel, coarse and small cobbles
	65	70	112SRFD	Sand, coarse, and small cobbles
	70	75	112SRFD	Gravel, medium, and small cobbles
	75	80	112SRFD	Gravel, medium to coarse
	80	84	112SRFD	Gravel, medium
84	--	112TILL	Till; clay, sand, fine, and rocks	
SGW 66	0	19.5	112SRFD	Sand, fine, brown
	19.5	29.8	112SRFD	Sand, fine, brown; trace of clay
	29.8	40.4	112SRFD	Sand, fine, brown
	40.4	--	112MRIN	Clay, gray sand, and gravel

Table 3.--Stratigraphic logs of selected wells and borings--continued

Local site number	Depth to top (feet)	Depth to bottom (feet)	Aquifer code	Lithology
Seabrook, continued				
SGW 67	0	0.5	111SOIL	Topsoil
	0.5	18	112SRFD	Sand, fine to medium, brown; trace of clay
	18	30	112MRIN	Clay and sand, fine, gray
	30	58	112MRIN	Clay, gray
	58	--	112GLCL	Clay, gray; some gravel
SGW 68	0	32	112SRFD	Sand and gravel, medium to coarse, brown
	32	--	112MRIN	Clay, gray
SGW 69	0	12	112SRFD	Sand, fine to medium, brown
	12	50	112MRIN	Clay and sand, very fine, gray
	50	--	112MRIN	Clay, gray; trace of gravel
SGW 70	0	36	112SRFD	Sand, medium, brown; some fine sand
	36	--	112SRFD	Sand, medium, gray and brown
SGW 71	0	6	112SRFD	Sand, fine to medium, brown
	6	--	112MRIN	Clay, brown and sand, fine to medium
SGW 72	0	30	112GLCL	Clay and gravel, hard-packed, gray
	30	--	112SRFD	Sand and gravel, medium to coarse, gray
SGW 74	0	8	112SRFD	Sand, medium to coarse, brown
	8	13	112SRFD	Sand, fine to medium, brown
	13	28.3	112MRIN	Clay and sand, fine to medium, brown
	28.3	34	112MRIN	Clay and sand, fine, gray
	34	38.5	112MRIN	Clay and sand, fine, gray; mostly clay
	38.5	--	112TILL	Clay, sand, and "sharp" gravel, gray
SGW 75	0	1.5	111SWMP	Peat
	1.5	18	112MRIN	Clay, brown; trace of gravel
	18	39.2	112MRIN	Clay, gray
	39.2	--	112SRFD	Sand and gravel, fine to medium; trace of clay
SGW 76	0	1	111SWMP	Peat
	1	53.8	112MRIN	Clay, gray
	53.8	60	112SRFD	Sand and gravel, fine to medium; trace of clay
	60	--	112SRFD	Sand and gravel, fine to medium
SGW 77	0	1	111SWMP	Peat
	1	12	112SRFD	Sand and gravel, fine to medium
	12	48	112MRIN	Clay, gray
	48	--	112SRFD	Sand and gravel, fine to medium; trace of clay
SGW 78	0	2	111SOIL	Silt, coarse sand and cobbles, dark brown
	2	5	112SRFD	Silt, medium sand, granules and pebbles
	5	27	112MRIN	Clay, silty, olive-brown
	27	37	112SRFD	Sand, coarse to very coarse; some medium sand
	37	47	112MRIN	Silt, well sorted; some fine sand
	47	55	112MRIN	Silt and sand, very fine, brown
	55	72	112TILL	Till, cobbly
	72	--	112TILL	Till, sandy; some pebbles with silt caps
SGW 79	0	0.5	111SWMP	Peat
	0.5	20	112MRIN	Clay and sand, gray
	20	29	112MRIN	Clay, firm, gray
	29	35	112GLCL	Clay, firm, gray and "sharp" stones
	35	50	112MRIN	Clay, firm, gray
	50	70	112MRIN	Sand, fine, silty, gray
	70	76	112MRIN	Clay and silt, fine, gray
	76	--	112GLCL	Clay and gravel

Table 3.--Stratigraphic logs of selected wells and borings--continued

Local site number	Depth to top (feet)	Depth to bottom (feet)	Aquifer code	Lithology
South Hampton				
SLA 1	0 17.5	17.5 --	112SRFD 112MRIN	Sand and gravel, fine to coarse; trace of clay Clay, blue; some fine to coarse sand
SLA 3	0 2 11.5 17.5	2 11.5 17.5 --	112GLCL 112MRIN 112GLCL 112GLCL	Clay and gravel Clay Clay and gravel, fine to coarse Clay and gravel, broken
SLA 4	0 2 10	2 10 --	111SWMP 112MRIN 112GLCL	Peat Clay Clay and gravel, fine to coarse
SLA 7	0 2	2 --	112MRIN 112MRIN	Clay, gray Clay and sand, fine, gray
SLA 8	0	--	112TILL	Clay and hardpan
SLA 9	0	--	112TILL	Clay and Hardpan
SLA 12	0 18 30	18 30 --	112MRIN 112MRIN 112MRIN	Clay and sand, fine, brown and gray Sand, fine, brown; trace of clay Clay and sand, fine, gray
SLA 13	0 12 18	12 18 --	112MRIN 112GLCL 112GLCL	Clay, gray Clay, sand, and gravel, gray Clay, gray, and "sharp" gravel
SLA 14	0 18 48 54 60	18 48 54 60 --	112MRIN 112MRIN 112MRIN 112MRIN 112MRIN	Clay Clay, blue Clay, blue and sand, fine Clay, blue, and sand, fine to coarse Clay, blue; some fine to coarse sand and "sharp" gravel
SLA 15	0 20	20 --	112TILL 112TILL	Hardpan Clay, sand, and gravel, gray, compact
SLA 16	0 5 25 29	5 25 29 --	112MRIN 112MRIN 112MRIN 112GLCL	Clay, brown Clay, blue Clay, sand, and gravel, fine to coarse Clay, sand, and gravel, fine to coarse, compact
SLA 17	0 30	30 --	112MRIN 112GLCL	Clay, gray Clay, compact, and "sharp" gravel
SLA 18	0 21	21 --	112GLCL 112GLCL	Sand, fine to medium, brown; some clay and coarse sand Sand and gravel, medium to coarse, gray; some clay
SLA 19	0 2 15	2 15 --	111SOIL 112MRIN 112SRFD	Topsoil Clay and sand, fine, gray Sand, fine to medium, gray-brown; trace of clay
SLA 20	0 4 36	4 36 --	111SWMP 112MRIN 112MRIN	Peat Clay, blue Clay, blue, and sand, fine
SLW 10	0 28	28 --	112SRFD 112MRIN	Sand, medium to coarse, brown and gray Clay and sand, fine, gray
SLW 15	0 25 35	25 35 --	112MRIN 112MRIN 112GLCL	Clay Clay; some sand Clay, sand, and gravel, compact

Table 3.--Stratigraphic logs of selected wells and borings--continued

Local site number	Depth to top (feet)	Depth to bottom (feet)	Aquifer code	Lithology
South Hampton, continued				
SLW 16	0	2	112GLCL	Clay and gravel
	2	21	112MRIN	Clay
	21	26.5	112GLCL	Clay and gravel
	26.5	--	112GLCL	Clay and gravel, broken
SLW 19	0	--	112SRFD	Sand, fine to medium, gray-brown; some clay and gravel
Stratham				
SSA 1	0	--	112MRIN	Clay and sand, brown
SSA 2	0	--	112GLCL	Clay and gravel, gray
SSA 3	0	21	112MRIN	Clay
	21	--	112TILL	Clay, sand and gravel, brown
SSA 4	0	15	112MRIN	Clay
	15	--	112GLCL	Clay and "sharp" gravel
SSA 5	0	21	112MRIN	Clay
	21	--	112GLCL	Clay and "sharp" gravel
SSA 6	0	35	112MRIN	Clay, brown
	35	40	112MRIN	Clay, gray
	40	--	112GLCL	Clay and "sharp" gravel
SSA 7	0	20	112TILL	Till; silt, dark brown to coarse sand; some angular cobbles
	20	25	112TILL	Till; sand, very fine to fine, compact, dark brown
	25	30	112TILL	Till; silt, brown to coarse sand; mostly medium sand; with angular pebbles
	30	--	112TILL	Till; clay, silty, drab olive-brown
SSW 78	0	20	110SDMN	Gravel
	20	30	110SDMN	Clay
	30	--	BEDROCK	
SSW 81	0	25	110SDMN	Gravel
	25	50	112MRIN	Clay
	50	--	BEDROCK	
SSW 87	0	15	110SDMN	Gravel
	15	30	112MRIN	Clay
	30	--	BEDROCK	
SSW 96	0	42	110SDMN	Gravel, (shale-like)
	42	--	BEDROCK	
SSW 99	0	40	110SDMN	Gravel
	40	--	BEDROCK	
SSW 107	0	30	110SDMN	Gravel
	30	40	110SDMN	Clay
	40	--	BEDROCK	
SSW 110	0	30	110SDMN	Gravel
	30	--	BEDROCK	
Windham				
WPA 1	0	--	112SRFD	Sand, very fine to pebble, light brown; mostly fine sand
WPA 2	0	12	112SRFD	Silt to pebble; mostly fine sand; poorly sorted
	12	12.2	112SRFD	Sand, very fine to fine
	12.2	--	112TILL	Till; weathered rock, gray-brown

Table 3.--Stratigraphic logs of selected wells and borings--continued

Local site number	Depth to top (feet)	Depth to bottom (feet)	Aquifer code	Lithology
Windham, continued				
WPA 3	0	5	112SRFD	Sand, medium to coarse, uniform, tan; few pebbles and cobbles
	5	7	112SRFD	Sand, very fine to pebble, red; mostly fine sand
	7	12	112SRFD	Sand, medium to pebble, light tan; mostly fine sand
	12	--	112TILL	Till; silt to fine sand; some weathered rock
WPA 4	0	2	112SRFD	Sand, fine to granule, brown; mostly coarse sand
	2	5	112SRFD	Sand, medium to coarse, light brown; some cobbles (25-50mm)
	5	--	112TILL	Silt to coarse sand; some pebbles and angular cobbles (50mm)
WPA 5	0	--	112SRFD	Silt to round cobbles, brown; mostly very coarse sand; poorly sorted
WPA 6	0	3	111SOIL	Topsoil
	3	--	112SRFD	sharp gravel and boulders
WPB 1	0	--	111FILL	Gravel, sandy
WPW 37	0	7	112SRFD	Sand, fine to pebble (4mm), brown; mostly medium sand
	7	12	112SRFD	Sand, fine to pebble (4mm), tan; mostly coarse sand
	12	17	112SRFD	Sand, very fine to coarse, clean, brown; moderately sorted
	17	22	112SRFD	Sand, medium to granule, clean; mostly very coarse sand
	22	27	112SRFD	Sand, fine to pebble (4mm), tan; mostly coarse sand
	27	32	112SRFD	Sand, fine to medium, clean; mostly fine sand
	32	37	112SRFD	Sand, very fine, tan, uniform; well sorted
	37	47	112SRFD	Sand, very fine to medium, clean, gray
	47	57	112SRFD	Sand, very fine to trace of fine, clean, uniform, gray; well sorted
	57	59	112SRFD	Sand, very fine to fine; mostly fine sand
	59	64	112SRFD	Silt to very fine sand; mostly silt
	64	--	112TILL	Till
	WPW 38	0	12	112SRFD
12		17	112SRFD	Sand, fine to pebble, clean, tan; mostly medium sand
17		22	112SRFD	Sand, very fine to coarse; mostly medium sand
22		27	112SRFD	Sand, very fine to pebble, clean, light tan; mostly medium sand
27		32	112SRFD	Sand, fine to medium, clean, tan; mostly fine sand
32		37	112SRFD	Sand, very fine to granule, clean, tan; mostly fine sand
37		42	112SRFD	Sand, fine to medium, clean, uniform, reddish-tan
42		47	112SRFD	Sand, very fine to medium, very light tan; mostly fine sand
47		52	112SRFD	Silt to very fine sand, uniform, gray-tan; mostly very fine sand
52		54	112SRFD	Sand, very fine to fine; mostly very fine sand
54		55	112SRFD	Sand, very fine, uniform; some iron staining
55		57	112LCSR	Clay to very fine sand; mostly silt
57		57.5	112SRFD	Sand, fine
57.5	--	112TILL	Till, sandy	
WPW 39	0	2	111SOIL	Topsoil
	2	11	112SRFD	Gravel and boulders
	11	44	112SRFD	Sand and gravel, medium, brown
	44	--	112SRFD	Gravel, medium to coarse, brown
WPW 66	0	30	110SDMN	Sand, brown
	30	--	BEDROCK	Fractured bedrock at 385 feet
WPW 88	0	--	110SDMN	Sand and gravel
WPW 254	0	3	112SRFD	Silt to medium sand; mostly fine sand; some gravel and cobbles
	3	7	112SRFD	Sand, fine to medium; mostly medium sand; some cobbles
	7	12	112SRFD	Sand, medium to coarse, light brown; some rounded gravel
	12	17	112SRFD	Sand, very fine to coarse, light tan; some pebble gravel
	17	22	112SRFD	Sand, fine to medium, light brown; some small gravel
	22	23	112SRFD	Sand, coarse to granule; well sorted
	23	24	112SRFD	Sand, very fine to fine
	24	--	112SRFD	Sand, fine, brown; some granules and round pebbles

Table 3.--Stratigraphic logs of selected wells and borings--continued

Local site number	Depth to top (feet)	Depth to bottom (feet)	Aquifer code	Lithology
Windham, continued				
WPW 255	0	3	112SRFD	Sand, fine to coarse; mostly medium sand; some very large cobbles
	3	5	112SRFD	Sand, very fine to pebble, brown; mostly coarse sand; some silt
	5	10	112SRFD	Sand, fine to very coarse, dark brown; mostly coarse sand; trace of silt
	10	11.2	112SRFD	Sand, very fine to coarse; some small pebbles; trace of silt
	11.2	15	112LCSR	Silt, blue; some very fine sand and pebbles
	15	--	112LCSR	Silt to fine sand, gray-blue; mostly very fine sand; trace medium sand
WPW 256	0	3	112SRFD	Sand, coarse, brown; some fine to coarse gravel
	3	10	112SRFD	Sand, medium to coarse, brown; some pebble gravel
	10	13	112SRFD	Sand, very coarse, brown; some pebbles
	13	25	112SRFD	Sand, fine to coarse, uniform, brown
	25	37	112SRFD	Sand, fine to very coarse, brown; mostly fine sand; well sorted
	37	42	112SRFD	Sand, very fine to fine; mostly fine sand; trace of pebbles
	42	57	112SRFD	Sand, very fine to medium, brown; mostly fine sand
	57	58	112SRFD	Sand, very fine to trace of very coarse, brown; mostly very fine sand
	58	74	112SRFD	Silt, gray and very fine sand; trace of coarse sand
74	--	112TILL	Till	
WPW 257	0	1	110SOIL	Topsoil, black, organic
	1	3	112LCSR	Silt, brown to very fine sand
	3	10	112LCSR	Clay and silt, olive-brown; mostly clay
	10	15	112SRFD	Sand, coarse to granule, light brown; mostly very coarse sand
	15	20	112SRFD	Sand, fine to pebble, brown; mostly medium to coarse sand
	20	--	112TILL	Till
WPW 258	0	2	112SRFD	Silt to fine sand, brown; mostly fine sand; trace of pebbles
	2	14	112SRFD	Sand, fine, tan; well sorted
	14	22	112SRFD	Cobbles, large, rounded
	22	24	112SRFD	Sand, fine, brown; and cobbles, broken
	24	--	112SRFD	Sand; and cobbles, rounded (25-50mm)
WPW 259	0	2	111SOIL	Silt to very fine sand; some pebbles and cobbles
	2	9	112SRFD	Sand, fine to medium, brown; mostly medium sand; some pebbles and cobbles
	9	14	112SRFD	Silt to very coarse sand, brown; mostly coarse sand; some pebbles and cobbles
	14	20	112SRFD	Sand, very fine to coarse, gray; mostly fine sand
	20	--	112TILL	Till; silt to very fine sand, gray; some angular pebbles

Table 4.--Grain-size distribution of
[--, 100 percent finer

Local Site No.	Interval sampled (feet below land surface)	Percent finer than sieve size, in millimeters										
		>2.00	2.00	1.68	1.41	1.19	1.00	0.84	0.71	0.59	0.50	0.42
ARW-5	(17-19)	95.30	95.30	95.30	95.30	95.30	94.64	91.99	89.04	86.40	82.42	75.51
ARW-5	(22-24)	95.70	95.70	95.70	95.70	94.75	89.53	84.48	77.20	70.09	62.97	54.76
KTA-1	(16-18)	97.00	97.00	97.00	97.00	97.00	95.51	95.51	90.51	87.27	82.53	76.05
KTA-1	(21-23)	99.90	99.90	99.90	99.90	99.90	98.84	97.61	94.26	90.73	86.15	78.23
KTW-39	(17-19)	99.80	99.80	99.80	99.80	99.80	99.80	98.78	97.60	95.40	92.19	87.79
KTW-39	(22-24)	99.10	99.10	99.10	99.10	99.10	98.21	97.17	94.36	90.51	84.74	76.00
KTW-39	(27-29)	--	--	--	--	--	--	--	100.00	98.97	97.75	95.51
KTW-40	(12-14)	95.60	95.60	95.60	95.60	95.60	92.00	90.34	84.80	81.20	77.61	72.34
KTW-40	(17-19)	99.30	99.30	99.30	99.30	99.30	99.30	98.68	97.32	95.23	91.17	85.75
KTW-40	(22-24)	99.20	99.20	99.20	99.20	99.20	98.56	97.83	96.44	94.43	92.31	90.29
KTW-40	(27-29)	90.60	90.60	90.60	90.60	90.60	89.48	88.15	85.72	84.59	79.70	73.51
KTW-40	(32-34)	86.80	86.80	86.80	86.80	85.39	80.70	70.13	56.27	44.30	35.14	25.98
KTW-41	(17-19)	63.50	63.50	63.50	63.50	60.39	47.98	44.88	35.57	31.03	26.26	23.39
KTW-41	(22-24)	73.70	73.70	73.70	73.70	72.82	66.03	59.38	43.15	36.36	30.60	23.07
KTW-41	(27-29)	73.40	73.40	73.40	73.40	72.83	67.94	66.72	61.83	58.72	55.15	47.15
KTW-41	(32-34)	71.10	71.10	71.10	71.10	68.85	62.09	55.34	47.54	44.07	39.74	34.02
KTW-41	(48-50)	--	--	--	--	--	--	--	100.00	98.76	98.76	98.76
KTW-42	(22-24)	43.54	43.54	39.52	36.60	32.60	32.60	31.50	25.51	22.51	19.16	17.26
KTW-42	(27-29)	80.30	80.30	80.30	80.30	79.24	73.42	65.47	56.30	48.36	44.83	40.24
KTW-42	(32-34)	60.20	60.20	60.20	60.20	57.15	52.98	48.81	44.64	38.38	36.29	33.24
KTW-42	(37-39)	63.70	63.70	63.70	63.70	62.52	57.38	49.68	44.54	39.41	34.27	29.14
KTW-42	(42-44)	80.10	80.10	80.10	80.10	77.36	66.42	52.75	42.02	37.82	32.34	28.34
KTW-42	(47-49)	76.10	76.10	76.10	76.10	68.00	56.73	46.13	33.61	28.69	25.51	22.43
KTW-42	(57-59)	84.60	84.60	84.60	84.60	83.41	64.12	48.96	28.48	21.99	17.06	13.12
KTW-45	(17-19)	90.20	90.20	90.20	90.20	90.20	86.25	78.15	60.48	47.17	39.07	28.26
KTW-45	(22-24)	98.80	98.80	98.80	98.80	98.44	97.66	96.88	95.69	94.55	93.35	92.22
KTW-45	(27-29)	93.40	93.40	93.40	93.40	93.40	92.30	89.92	86.25	82.76	78.00	69.56
KTW-45	(32-34)	99.60	99.60	99.60	99.60	99.60	99.60	99.60	99.60	99.60	99.60	98.25
LRA-6	(12-14)	85.10	85.10	85.10	84.47	80.96	74.79	67.88	60.97	56.19	51.30	44.49
LRA-7	(37-39)	93.10	93.10	93.10	93.10	93.10	90.17	88.81	82.93	77.06	71.19	62.38
LRW-67	(16-22)	92.68	92.68	88.71	84.19	75.86	75.86	75.86	59.79	40.79	26.62	19.02
LRW-67	(27-29)	92.10	92.10	92.10	92.10	92.10	89.02	80.62	66.05	53.74	39.18	26.17
LRW-67	(32-34)	--	--	--	--	--	--	--	--	--	--	--
LRW-68	(12-14)	94.40	94.40	94.40	93.50	75.78	57.14	35.49	23.67	14.89	10.95	7.01
LRW-68	(17-19)	95.40	95.40	95.40	95.40	95.03	89.40	86.55	78.94	73.74	68.11	56.91
LRW-68	(22-24)	91.80	91.80	91.80	91.80	91.80	88.80	85.12	79.83	76.14	71.66	64.17

of selected split-spoon sediment samples
than sieve size.]

Local Site No.	Interval sampled (feet below land surface)	Percent finer than sieve size, in millimeters--continued										
		0.35	0.30	0.25	0.21	0.177	0.149	0.125	0.105	0.088	0.074	0.0625
ARW-5	(17-19)	64.61	52.76	43.86	37.60	32.97	30.01	27.73	26.41	25.08	24.06	23.40
ARW-5	(22-24)	46.53	36.26	27.08	22.98	19.81	17.92	15.86	14.76	14.76	13.80	12.70
KTA-1	(16-18)	67.82	59.84	50.11	40.38	30.65	24.17	19.43	16.19	12.94	9.70	9.70
KTA-1	(21-23)	61.13	37.16	22.18	14.26	9.67	6.32	5.09	4.03	4.03	4.03	2.80
KTW-39	(17-19)	81.19	69.18	50.41	34.01	22.00	14.39	8.81	5.60	3.40	2.22	1.20
KTW-39	(22-24)	65.48	51.11	33.78	22.38	14.68	9.79	5.94	3.13	2.24	2.24	1.20
KTW-39	(27-29)	88.77	76.50	60.78	42.98	26.04	16.02	9.27	5.99	3.75	1.50	1.50
KTW-40	(12-14)	66.81	61.55	56.01	49.09	41.89	31.10	21.96	16.70	11.16	7.56	5.90
KTW-40	(17-19)	76.98	62.17	45.28	30.36	19.52	10.76	6.69	4.71	3.35	2.62	2.00
KTW-40	(22-24)	88.17	86.16	82.03	77.25	69.61	58.69	46.29	35.26	28.47	22.96	20.20
KTW-40	(27-29)	66.18	56.60	45.53	33.32	24.86	19.98	12.65	9.08	6.65	4.20	4.20
KTW-40	(32-34)	18.23	12.12	10.72	9.30	7.66	6.25	4.61	4.61	3.20	3.20	3.20
KTW-41	(17-19)	20.29	17.19	14.08	10.98	9.31	7.88	6.20	3.11	3.11	1.67	0.00
KTW-41	(22-24)	18.20	15.39	13.47	11.56	9.64	8.60	8.60	7.72	6.68	5.80	5.80
KTW-41	(27-29)	39.91	32.57	25.89	21.56	17.89	14.88	12.43	10.65	9.43	8.20	8.20
KTW-41	(32-34)	30.73	26.23	22.76	19.46	14.96	11.67	8.20	7.16	5.95	4.91	3.70
KTW-41	(48-50)	97.31	94.63	89.27	71.92	47.76	26.50	15.76	8.95	5.03	2.35	0.90
KTW-42	(22-24)	14.66	12.42	10.92	9.42	8.32	7.57	6.42	6.07	5.32	4.92	4.58
KTW-42	(27-29)	35.66	32.30	27.72	24.18	22.07	18.54	15.19	13.95	11.66	11.66	10.60
KTW-42	(32-34)	30.04	26.99	24.90	21.69	19.61	17.52	15.43	13.35	12.39	10.30	10.30
KTW-42	(37-39)	26.57	22.82	20.25	17.69	16.30	15.12	13.74	11.17	11.17	9.98	8.60
KTW-42	(42-44)	24.14	21.40	18.67	17.40	15.94	14.67	13.20	11.94	10.67	10.67	9.20
KTW-42	(47-49)	19.92	18.00	16.74	14.91	13.66	12.40	11.15	10.58	9.90	9.90	9.90
KTW-42	(57-59)	10.56	8.00	6.82	6.82	5.44	4.26	2.89	2.89	2.89	1.70	1.70
KTW-45	(17-19)	24.10	20.15	17.45	16.20	13.50	12.05	10.80	10.80	9.35	9.35	8.10
KTW-45	(22-24)	91.02	89.88	88.33	87.55	86.41	85.99	85.22	84.44	83.66	83.30	83.30
KTW-45	(27-29)	62.60	55.44	47.00	38.76	32.89	28.12	25.73	22.07	17.30	16.20	16.20
KTW-45	(32-34)	96.67	95.31	90.79	81.98	67.30	52.85	39.52	27.78	19.19	13.32	8.80
LRA-6	(12-14)	39.61	34.82	32.06	29.29	27.27	24.51	22.39	21.00	18.98	18.23	17.60
LRA-7	(37-39)	53.57	43.40	33.01	25.78	19.90	15.61	12.68	11.09	8.15	8.15	6.80
LRW-67	(16-18)	12.44	8.64	7.62	6.75	4.84	4.84	4.84	2.94	2.94	2.94	2.94
LRW-67	(27-29)	16.10	12.31	9.24	6.98	5.44	4.61	3.91	0.83	0.83	0.83	0.00
LRW-67	(32-34)	--	--	--	100.00	97.97	97.97	95.60	84.78	67.19	51.63	40.80
LRW-68	(12-14)	6.11	5.04	4.14	3.07	2.17	2.17	1.10	1.10	0.20	0.20	0.20
LRW-68	(17-19)	50.10	42.49	36.43	31.23	27.21	23.62	20.83	17.99	16.38	14.83	14.40
LRW-68	(22-24)	55.19	47.82	41.83	35.84	30.67	25.37	22.37	19.38	16.50	15.01	14.20

Table 4.--Grain-size distribution of selected

Local Site No.	Interval sampled (feet below land surface)	Percent finer than sieve size, in millimeters										
		>2.00	2.00	1.68	1.41	1.19	1.00	0.84	0.71	0.59	0.50	0.42
LRW-69	(47-49)	99.70	99.70	99.70	99.70	99.70	99.70	99.70	98.83	97.83	97.83	95.96
LRW-69	(62-64)	--	--	--	--	--	--	--	--	--	100.00	98.90
LRW-69	(67-69)	--	--	--	--	--	--	--	--	100.00	98.71	98.71
LRW-69	(72-74)	99.90	99.90	99.90	99.90	99.90	99.90	99.90	99.90	99.90	99.90	99.90
LRW-69	(77-79)	--	--	--	--	--	--	--	--	--	--	--
LRW-69	(87-89)	75.10	75.10	75.10	75.10	75.10	73.94	71.44	63.90	58.89	51.35	42.66
LRW-70	(12-14)	98.20	98.20	98.20	98.20	98.20	97.74	96.75	91.78	86.83	79.88	68.04
LRW-70	(17-18)	72.20	72.20	72.20	72.20	62.11	53.99	46.60	39.84	34.42	31.09	26.30
SAW-49	(15-17)	56.90	56.90	56.90	56.90	56.90	56.01	54.08	51.10	48.28	45.31	39.51
SAW-50	(12-14)	96.20	96.20	96.20	96.20	96.20	95.68	93.43	89.45	87.81	83.83	79.93
WPW-37	(12-14)	98.00	98.00	98.00	98.00	98.00	97.16	96.18	93.54	90.75	86.29	76.24
WPW-37	(17-19)	90.60	90.60	90.60	90.60	90.60	89.26	86.34	76.03	65.95	50.04	29.64
WPW-37	(22-24)	96.30	96.30	96.30	96.30	96.30	95.38	93.36	86.24	76.17	59.14	38.09
WPW-37	(27-29)	99.10	99.10	99.10	99.10	99.10	99.10	99.10	98.41	97.61	96.14	92.49
WPW-37	(37-39)	95.50	95.50	95.50	95.50	95.50	95.50	95.50	95.50	94.44	93.21	88.62
WPW-37	(47-49)	--	--	--	--	--	--	--	--	--	--	--
WPW-37	(57-59)	--	--	--	--	--	--	--	--	--	99.38	99.38
WPW-38	(17-19)	99.90	99.90	99.90	99.90	99.90	99.90	99.42	98.37	96.75	94.17	91.02
WPW-38	(22-24)	99.20	99.20	99.20	99.20	99.20	99.20	98.08	96.97	94.74	91.99	88.64
WPW-38	(27-29)	99.80	99.80	99.39	98.55	96.76	96.76	96.76	96.00	93.48	89.44	84.51
WPW-38	(32-34)	99.80	99.80	99.80	99.80	99.80	99.80	99.80	99.31	98.82	98.10	96.63
WPW-38	(37-39)	--	--	--	--	--	--	--	100.00	99.60	99.15	96.60
WPW-38	(42-44)	--	--	--	--	--	--	--	--	--	100.00	99.05
WPW-38	(47-49)	--	--	--	--	--	--	--	--	--	--	--
WPW-38	(52-54)	--	--	--	--	--	--	--	--	--	--	--

split-spoon sediment samples--continued

Local Site No.	Interval sampled (feet below land surface)	Percent finer than sieve size, in millimeters--continued										
		0.35	0.30	0.25	0.21	0.177	0.149	0.125	0.105	0.088	0.074	0.0625
LRW-69	(47-49)	94.09	90.34	82.85	68.88	53.04	39.07	29.72	22.23	17.61	13.87	12.00
LRW-69	(62-64)	96.52	90.49	83.35	71.45	53.69	44.17	37.22	30.08	24.04	19.28	16.90
LRW-69	(67-69)	98.71	98.71	97.20	95.92	90.32	76.34	61.06	47.07	35.89	27.49	21.90
LRW-69	(72-74)	99.90	98.32	93.10	76.08	49.12	32.10	21.88	15.08	11.68	8.28	6.70
LRW-69	(77-79)	99.19	99.19	97.42	90.36	64.82	43.63	32.22	23.39	18.09	14.56	12.80
LRW-69	(87-89)	36.30	28.76	22.59	16.21	12.55	8.88	6.37	3.86	2.51	1.35	0.00
LRW-70	(12-14)	55.13	40.78	29.41	21.54	16.04	12.07	9.17	7.65	6.20	5.20	5.20
LRW-70	(17-18)	22.98	19.65	16.94	15.59	14.23	13.51	12.88	12.15	11.53	11.53	10.80
SAW-49	(15-17)	33.72	28.96	23.17	18.42	15.44	12.62	9.64	7.86	6.82	4.89	4.00
SAW-50	(12-14)	72.06	60.89	51.89	42.37	34.49	27.75	22.72	19.35	16.58	14.33	12.60
WPW-37	(12-14)	60.07	41.95	27.59	15.73	10.30	6.81	4.02	3.19	1.38	0.40	0.40
WPW-37	(17-19)	17.98	10.81	6.33	4.99	2.07	2.07	2.07	0.50	0.50	0.50	0.50
WPW-37	(22-24)	26.01	16.10	10.06	6.96	4.03	2.94	2.01	0.92	0.00	0.00	0.00
WPW-37	(27-29)	80.67	61.49	44.38	31.85	23.07	16.34	11.21	7.45	5.29	4.60	3.80
WPW-37	(37-39)	78.38	63.57	49.81	39.40	31.46	23.52	18.93	15.40	12.05	9.76	8.70
WPW-37	(47-49)	100.00	99.31	97.82	94.84	88.86	79.22	66.48	53.16	40.52	30.76	25.60
WPW-37	(57-59)	99.38	99.38	99.38	98.03	95.96	91.32	80.56	71.15	61.12	53.78	48.40
WPW-38	(17-19)	85.78	78.44	62.22	46.08	32.45	24.62	19.38	15.18	13.08	11.55	10.50
WPW-38	(22-24)	83.06	70.87	52.51	36.89	24.70	15.78	10.20	6.85	5.21	4.10	3.50
WPW-38	(27-29)	75.54	64.81	50.93	33.76	21.51	14.94	10.90	8.37	5.97	4.33	3.44
WPW-38	(32-34)	92.97	85.88	71.69	57.25	46.27	37.22	29.89	24.76	20.84	18.16	16.20
WPW-38	(37-39)	83.03	61.80	42.66	27.79	18.02	12.52	9.57	7.86	6.55	6.16	5.70
WPW-38	(42-44)	97.16	87.78	63.70	43.42	28.86	19.41	13.30	9.51	7.63	6.25	5.30
WPW-38	(47-49)	--	100.00	99.48	97.26	90.58	76.10	63.93	53.91	46.71	41.14	37.80
WPW-38	(52-54)	100.00	99.44	99.44	99.44	99.44	98.22	93.90	87.24	78.70	70.16	63.50

Table 5.--Ground-water levels in selected observation wells

[Elevation of land-surface datum (LSD): Land surface at the well site in feet above NGVD of 1929. Elevations estimated from USGS topographic maps, except where noted. Water level: Static water level in feet below NGVD of 1929; negative sign indicates water level is above LSD. Method: S, steel tape accurate to +/- 0.01 feet; T, electric tape accurate to +/- 0.05 feet]

Local well number	Elevation of LSD	Date	Water level	Method
<u>Rockingham County</u>				
<u>Atkinson</u>				
ARW 5	85	April 9, 1987	1.61	T
		October 15, 1987	2.59	T
<u>Derry</u>				
DFW 424	210	September 4, 1987	2.00	T
		October 15, 1987	2.86	T
<u>Greenland</u>				
GTW 79	60	September 3, 1987	12.64	T
<u>Hampton</u>				
HEW 28	80	August 20, 1987	30.20	T
<u>Kensington</u>				
KFW 17	90	August 19, 1987	5.49	T
KFW 19	80	August 19, 1987	14.19	T
<u>Kingston</u>				
KTW 39	120	April 15, 1987	0.83	T
KTW 40	125	April 9, 1987	4.15	T
		October 14, 1987	7.38	T
KTW 41	125	September 2, 1987	4.94	T
		October 14, 1987	4.35	T
KTW 42	135	April 9, 1987	8.10	T
		October 14, 1987	12.40	T
KTW 45	140	April 15, 1987	5.20	T
		October 14, 1987	9.73	T
KTW 46	125	March 18, 1987	4.50	T
		April 15, 1987	2.03	T
		October 14, 1987	4.78	T
KTW 77	125	September 1, 1987	4.48	T
		October 14, 1987	4.11	T
KTW 78	125	September 2, 1987	6.52	T
		October 14, 1987	5.72	T

Table 5.--Ground-water levels in selected observation wells--continued

Local well number	Elevation of LSD	Date	Water level	Method
<u>Rockingham County</u>				
<u>Kingston, continued</u>				
KTW 80	145	August 31, 1987	25.39	T
		October 14, 1987	25.23	T
<u>Londonderry</u>				
LRW 68	190	August 21, 1987	3.95	T
		October 16, 1987	1.94	T
LRW 69	70	October 16, 1987	61.25	T
LRW 70	245	April 2, 1987	7.90	T
<u>Newington</u>				
NIW 35	80	August 17, 1987	14.07	T
<u>North Hampton</u>				
NSW 69	90	July 29, 1987	2.58	S
		August 20, 1987	3.46	T
SAW 49	120	April 2, 1987	.61	T
		October 15, 1987	2.57	T
SAW 50	130	April 2, 1987	-0.22	T
		October 15, 1987	0.20	T
<u>Windham</u>				
WPW 37	181	April 1, 1987	4.96	T
		October 14, 1987	5.52	T
		May 12, 1988	6.89	T
WPW 38	¹ 58.3	April 1, 1987	3.15	T
		October 14, 1987	6.23	T
		May 12, 1988	4.72	T
WPW 259	¹ 246.8	October 13, 1987	2.72	T
WPW 270	¹ 177.3	October 13, 1987	8.79	T
		May 12, 1988	7.14	T
WPW 271	¹ 167.5	October 14, 1987	3.80	T
		May 12, 1988	6.58	T

¹Elevations levelled in, accurate to +/- 0.1 foot.

Table 6.--Chemical analyses

[Values are reported in microsiemens per centimeter at 25 degrees Celsius ($\mu\text{S}/\text{cm}$); degrees Celsius ($^{\circ}\text{C}$); incremental titration; dissolved, filtered water; REC, recoverable less than 95 percent of total; Agency A less than sign indicates

Local ident- i- fier		Date	Time	Spe- cific con- duct- ance ($\mu\text{S}/\text{cm}$)	pH (stand- ard units)	Temper- ature Water (Deg $^{\circ}\text{C}$)	Color (plat- inum- cobalt units)	Oxygen, dis- solved (mg/L)	Hard- ness total (mg/L as CaCO_3)	Calcium dis- solved (mg/L as Ca)	Magne- sium, dis- solved (mg/L as Mg)
ARW	5	04-09-87	1400	470	7.76	9.5	4	--	120	35	8.8
DFW	424	09-04-87	1030	210	6.01	11.5	3	--	55	17	3.1
GTW	79	09-03-87	1400	220	6.85	10.5	1	0.6	87	22	7.7
HEW	7	08-18-87	1230	230	6.29	10.0	1	9.4	47	12	4.0
HEW	28	08-20-87	1330	230	7.95	10.5	2	11.3	89	26	5.9
KFW	17	08-19-87	1600	190	6.94	13.5	17	--	55	15	4.2
KFW	19	08-19-87	1330	240	6.83	13.5	13	2.0	100	28	7.7
KTW	39	04-15-87	1030	96	6.49	9.0	100	--	30	8.7	2.1
KTW	40	04-09-87	1045	240	6.04	8.5	2	--	17	5.0	1.1
KTW	41	09-02-87	1300	200	6.90	9.5	7	0.0	10	2.9	.72
KTW	42	04-09-87	1230	200	6.88	9.5	23	--	53	17	2.5
KTW	45	04-15-87	1400	105	7.14	--	110	--	19	4.9	1.6
KTW	46	04-15-87	1200	46	6.84	9.0	3	--	14	3.6	1.2
KTW	77	09-01-87	1600	153	6.40	9.5	2	2.7	54	17	2.8
KTW	78	09-02-87	1030	51	5.93	9.0	2	4.3	72	22	4.1
KTW	80	08-31-87	1300	125	6.52	11.0	2	3.5	35	10	2.4
LRW	68	08-21-87	1030	130	6.31	15.0	1	.2	36	12	1.4
LRW	70	04-02-87	1400	24	5.80	8.0	4	--	5	1.4	.4
NIW	35	08-17-87	1600	550	7.62	16.5	2	8.5	120	34	8.2
NSW	69	08-20-87	1500	345	8.48	11.0	2	1.7	140	38	11
NSW	70	08-18-87	1430	540	7.89	10.0	2	9.2	220	58	18
PXW	2	09-03-87	1140	380	7.45	11.5	2	1.3	180	57	9.5
PXW	5	08-17-87	1300	860	7.70	10.5	1	4.6	270	78	17
RYW	38	08-20-87	1130	220	6.57	10.5	1	6.0	100	28	8.0
SAW	49	04-02-87	1130	740	5.99	8.0	3	--	130	38	7.3
SAW	50	04-02-87	0945	220	5.92	9.5	7	--	31	9.7	1.7
SGW	1	08-19-87	1100	220	6.74	9.0	2	6.0	83	24	5.5
WPW	37	04-01-87	1030	132	5.84	10.0	1	--	24	7.9	1.0
WPW	38	04-01-87	1300	80	5.86	9.5	3	--	15	5.1	.60
WPW	258	08-21-87	1230	115	6.17	8.0	4	6.2	23	7.2	1.2

of ground-water samples

milligrams per liter (mg/L); micrograms per liter ($\mu\text{g/L}$); WAT WH, water whole, unfiltered; TOT INC, total analyzing samples--U.S. Geological Survey Central Laboratories, Arvada, Colorado; --, no data collected; value less than detection limit.]

Local ident- i- fier	Sodium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)	Alka- linity WAT WH TOT INC field (mg/L as CaCO_3)	Sulfate dis- solved (mg/L as SO_4)	Chlo- ride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO_2)	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, dis- solved (mg/L as N)	Alum- inum, dis- solved ($\mu\text{g/L}$ as Al)
ARW 5	31	7.5	54	18	93	0.10	20	247	0.010	50
DFW 424	16	4.7	35	15	39	<0.10	28	150	<0.010	60
GTW 79	12	1.4	83	4.9	16	0.10	16	130	<0.010	<10
HEW 7	25	2.9	22	14	40	0.10	12	123	<0.010	10
HEW 28	9.8	3.5	81	23	7.3	0.10	16	140	<0.010	<10
KFW 17	13	3.3	49	11	21	0.10	13	112	0.020	50
KFW 19	7.1	3.2	74	34	8.1	0.50	16	150	<0.010	<10
KTW 39	3.7	1.1	43	12	4.6	0.10	23	87	0.260	10
KTW 40	33	2.7	7	4.2	58	<0.10	11	121	<0.010	210
KTW 41	3.5	1.3	54	12	3.2	0.10	16	76	0.010	10
KTW 42	11	2.4	36	19	26	<0.10	19	127	0.150	190
KTW 45	9.4	3.8	28	4.0	11	0.30	22	74	0.010	160
KTW 46	2.3	1.0	15	3.5	2.5	<0.10	11	35	0.010	<10
KTW 77	5.8	2.3	36	16	15	0.10	19	103	0.050	<10
KTW 78	5.8	3.0	8	6.9	25	0.10	24	102	<0.010	<10
KTW 80	6.5	6.4	22	8.1	14	0.10	19	80	<0.010	<10
LRW 68	7.1	2.5	28	8.7	16	0.10	10	76	<0.010	<10
LRW 70	1.7	0.30	3	4.5	2.2	<0.10	9.6	22	<0.010	20
NIW 35	80	2.4	134	17	88	0.10	14	324	<0.010	<10
NSW 69	9.3	4.2	104	28	27	0.10	13	193	<0.010	<10
NSW 70	29	4.5	158	41	58	0.10	9.9	314	0.010	<10
PXW 2	9.0	2.4	148	20	6.1	0.10	14	207	<0.010	<10
PXW 5	76	4.2	128	65	170	0.10	13	500	0.020	<10
RYW 38	28	3.4	65	24	51	0.10	9.5	191	<0.010	<10
SAW 49	88	5.4	16	14	200	<0.10	14	377	<0.010	<10
SAW 50	15	2.6	12	12	30	<0.10	7.3	87	<0.010	<10
SGW 1	10	2.5	62	22	16	0.10	13	130	<0.010	<10
WPW 37	16	2.2	8	14	27	<0.10	11	84	<0.010	10
WPW 38	7.3	1.8	8	9.9	11	<0.10	12	53	<0.010	<10
WPW 258	10	2.5	10	10	18	0.10	7.6	63	<0.010	20

Table 6.--Chemical analyses of ground-water samples--continued

Local identifier	Anti-mony, dissolved ($\mu\text{g/L}$ as Sb)	Arsenic dissolved ($\mu\text{g/L}$ as As)	Barium, dissolved ($\mu\text{g/L}$ as Ba)	Beryllium, dissolved ($\mu\text{g/L}$ as Be)	Boron, dissolved ($\mu\text{g/L}$ as B)	Cadmium dissolved ($\mu\text{g/L}$ as Cd)	Chromium, dissolved ($\mu\text{g/L}$ as Cr)	Cobalt, dissolved ($\mu\text{g/L}$ as Co)	Copper, dissolved ($\mu\text{g/L}$ as Cu)	Iron, dissolved ($\mu\text{g/L}$ as Fe)
ARW 5	<1	3	42	<0.5	20	<1	<10	1	<1	<3
DFW 424	2	14	30	<0.5	<10	<1	20	9	<1	5300
GTW 79	<1	<1	16	<0.5	20	<1	10	2	<1	<3
HEW 7	<1	<1	23	<0.5	30	<1	<10	<1	3	8
HEW 28	<1	<3	<100	<10	20	<1	<10	<1	3	<10
KFW 17	<1	4	<100	<10	10	<1	<10	4	4	290
KFW 19	<1	2	<100	<10	10	<1	<10	5	4	110
KTW 39	<1	1	8	<0.5	<10	1	<10	<1	<1	5000
KTW 40	<1	<1	53	<0.5	<10	2	<10	3	<1	270
KTW 41	<1	4	17	<0.5	<10	<1	10	<1	<1	3600
KTW 42	<1	3	33	<0.5	30	<1	<10	1	<1	7400
KTW 45	<1	<1	8	1	<10	1	<10	<1	1	160
KTW 46	<1	1	8	<0.5	<10	<1	<10	<1	<1	150
KTW 77	<1	2	27	<0.5	<10	4	20	<1	<1	2400
KTW 78	<1	1	23	<0.5	<10	<1	<10	<1	<1	5300
KTW 80	<1	<1	25	<0.5	<10	2	<10	5	<1	59
LRW 68	<1	<1	<100	<10	20	<1	<10	4	4	<10
LRW 70	<1	<1	4	<0.5	<10	<1	<10	<1	1	<3
NIW 35	<1	<1	14	<0.5	20	<1	<10	<1	1	<3
NSW 69	<1	4	<100	<10	20	<1	<10	2	4	<10
NSW 70	<1	5	23	<0.5	10	<1	<10	1	3	140
PXW 2	<1	<1	28	<0.5	20	<1	<10	3	5	<3
PXW 5	<1	<1	11	<0.5	20	<1	<10	<1	<1	<3
RYW 38	<1	<1	<100	<10	50	<1	<10	1	3	<10
SAW 49	<1	<1	35	<0.5	<20	<1	<10	1	10	4
SAW 50	<1	<1	23	<0.5	10	<1	<10	<1	1	460
SGW 1	<1	<1	22	<0.5	10	<1	<10	1	2	6
WPW 37	<1	<1	13	<0.5	<10	<1	<10	<1	2	37
WPW 38	<1	<1	8	<0.5	<10	<1	<10	<1	1	20
WPW 258	<1	<1	<100	<10	<10	<1	<10	5	4	40

Table 6.--Chemical analyses of ground-water samples--continued

Local ident- i- fier	Lead, dis- solved (µg/L as Pb)	Lithium dis- solved (µg/L as Li)	Manga- nese, dis- solved (µg/L as Mn)	Mercury dis- solved (µg/L as Hg)	Molyb- denum, dis- solved (µg/L as Mo)	Nickel, dis- solved (µg/L as Ni)	Sele- nium, dis- solved (µg/L as Se)	Silver, dis- solved (µg/L as Ag)	Stron- tium, dis- solved (µg/L as Sr)	Zinc, dis- solved (µg/L as Zn)
ARW 5	<5	16	1100	<0.1	5	3	<1	<1.0	190	4
DFW 424	<5	<4	500	<0.1	<1	4	<1	<1.0	140	5
GTW 79	<5	<4	23	<0.1	<1	<1	4	<1.0	170	<3
HEW 7	<5	<4	<1	<0.1	<1	<1	<1	<1.0	98	<3
HEW 28	<5	<10	<10	<0.1	<1	4	1	<1.0	120	<10
KFW 17	<5	<10	1100	<0.1	<1	2	<1	<1.0	110	<10
KFW 19	<5	<10	350	<0.1	<1	4	<1	<1.0	150	<10
KTW 39	<5	<4	260	<0.1	1	1	<1	<1.0	40	5
KTW 40	<5	<4	1100	<0.1	<1	9	<1	<1.0	52	6
KTW 41	<5	<4	110	<0.1	<1	<1	<1	<1.0	21	13
KTW 42	<5	7	380	<0.1	<1	1	<1	<1.0	65	4
KTW 45	<5	6	300	<0.1	8	2	<1	<1.0	32	<3
KTW 46	<5	4	1000	<0.1	1	1	<1	<1.0	23	7
KTW 77	<5	<4	530	<0.1	<1	1	<1	<1.0	74	11
KTW 78	<5	<4	1000	<0.1	1	<1	<1	<1.0	81	6
KTW 80	<5	12	150	<0.1	<1	13	1	<1.0	62	<3
LRW 68	<5	<10	1100	<0.1	<1	1	2	<1.0	100	<10
LRW 70	<5	<4	14	<0.1	<1	2	<1	<1.0	20	5
NIW 35	<5	5	1	<0.1	<1	2	1	<1.0	180	<3
NSW 69	<5	<10	130	<0.1	<1	3	<1	<1.0	180	<10
NSW 70	<5	12	82	<0.1	<1	<1	1	<1.0	250	<3
PXW 2	<5	6	210	<0.1	<1	<1	2	1.0	230	3
PXW 5	<5	8	<1	<0.1	<1	3	2	<1.0	350	5
RYW 38	<5	<10	<10	<0.1	<1	4	<1	<1.0	170	<10
SAW 49	<5	7	110	<0.1	<1	10	<1	<1.0	300	<3
SAW 50	<5	<4	740	<0.1	1	8	<1	<1.0	52	<3
SGW 1	<5	<4	6	<0.1	<1	<1	<1	<1.0	83	12
WPW 37	<5	<4	39	<0.1	<1	2	<1	<1.0	35	<3
WPW 38	<5	<4	18	<0.1	<1	5	<1	<1.0	31	<3
WPW 258	<5	<10	590	<0.1	<1	6	<1	<1.0	60	<10

Table 6.--Chemical analyses of ground-water samples--continued

Local ident- i- fier	Carbon, Organic dis- solved (mg/L as C)	Di- chloro- bromo- methane total (µg/L)	Carbon- tetra- chloro- ride total (µg/L)	1,2-Di- chloro- ethane total (µg/L)	Bromo- form total (µg/L)	Chloro- Di- Bromo- methane total (µg/L)	Chloro- form total (µg/L)	Toluene total (µg/L)	Benzene total (µg/L)	Chloro- benzene total (µg/L)
ARW 5	1.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
DFW 424	4.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
GTW 79	1.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
HEW 7	0.9	--	--	--	--	--	--	--	--	--
HEW 28	0.9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KFW 17	4.3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KFW 19	1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 39	2.9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 40	0.8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 41	1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 42	0.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 45	1.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 46	1.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.30	<0.20	<0.20
KTW 77	1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 78	0.8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 80	0.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
LRW 68	1.9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
LRW 70	1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NIW 35	8.3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NSW 69	1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NSW 70	1.0	--	--	--	--	--	--	--	--	--
PXW 2	1.2	<0.20	<0.20	<0.20	<0.20	<0.20	0.70	<0.20	<0.20	<0.20
PXW 5	1.0	--	--	--	--	--	--	--	--	--
RYW 38	1.0	--	--	--	--	--	--	--	--	--
SAW 49	3.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SAW 50	1.8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SGW 1	0.8	--	--	--	--	--	--	--	--	--
WPW 37	1.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
WPW 38	0.9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
WPW 258	1.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 6.--Chemical analyses of ground-water samples--continued

Local ident- i- fier	Chloro- ethane total (µg/L)	Ethyl- benzene total (µg/L)	Methyl- bromide total (µg/L)	Methyl- chloride total (µg/L)	Methyl- ene chloride total (µg/L)	Tetra- chloro- ethyl- ene total (µg/L)	Tri- chloro- fluoro- methane total (µg/L)	1,1-Di- chloro- ethane total (µg/L)	1,1-Di- chloro- ethyl- ene total (µg/L)
ARW 5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
DFW 424	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
GTW 79	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
HEW 7	--	--	--	--	--	--	--	--	--
HEW 28	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KFW 17	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KFW 19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 41	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 42	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 45	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 46	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 77	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 78	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW 80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
LRW 68	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
LRW 70	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NIW 35	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NSW 69	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NSW 70	--	--	--	--	--	--	--	--	--
PXW 2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
PXW 5	--	--	--	--	--	--	--	--	--
RYW 38	--	--	--	--	--	--	--	--	--
SAW 49	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SAW 50	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20	<0.20	<0.20
SGW 1	--	--	--	--	--	--	--	--	--
WPW 37	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
WPW 38	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
WPW 258	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 6.--Chemical analyses of ground-water samples--continued

Local ident- i- fier		1,1,1- Tri- chloro- ethane total (µg/L)	1,1,2- Tri- chloro- ethane total (µg/L)	1,1,2,2 Tetra chloro- ethane total (µg/L)	1,2-Di- chloro- benzene total (µg/L)	1,2-Di- chloro- propane total (µg/L)	1,2- Transdi chloro- ethene total (µg/L)	1,3-Di- chloro- propene total (µg/L)	1,3-Di- chloro- benzene total (µg/L)	1,4-Di- chloro- benzene total (µg/L)
ARW	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
DFW	424	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
GTW	79	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
HEW	7	--	--	--	--	--	--	--	--	--
HEW	28	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
HFV	17	1.3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
HFV	19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	41	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	42	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	45	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	46	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	77	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	78	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KTW	80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
LRW	68	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
LRW	70	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NIW	35	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NSW	69	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
NSW	70	--	--	--	--	--	--	--	--	--
PXW	2	<0.20	<0.20	<0.20	<0.20	<0.20	2.4	<0.20	<0.20	<0.20
PXW	5	--	--	--	--	--	--	--	--	--
RYW	38	--	--	--	--	--	--	--	--	--
SAW	49	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SAW	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SGW	1	--	--	--	--	--	--	--	--	--
WPW	37	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
WPW	38	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
WPW	258	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 6.--Chemical analyses of ground-water samples--continued

Local ident- i- fier		2- Chloro- ethyl- vinyl- ether total (µg/L)	Di- chloro- di- fluoro- methane total (µg/L)	Trans- 1,3-di- chloro- propene total (µg/L)	Cis 1,3-di- chloro- propene total (µg/L)	1,2- Dibromo ethyl- ene total (µg/L)	Vinyl chloro- ride total (µg/L)	Tri- chloro- ethyl- ene total (µg/L)	Styrene total (µg/L)	Xylene total water whole REC (µg/L)
ARW	5	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
DFW	424	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
GTW	79	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
HEW	7	--	--	--	--	--	--	--	--	--
HEW	28	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KF	17	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KFW	19	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	39	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	40	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	41	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	42	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	0.2	<0.2	<0.2
KTW	45	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	46	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	77	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	78	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
KTW	80	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
LRW	68	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
LRW	70	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
NIW	35	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
NSW	69	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
NSW	70	--	--	--	--	--	--	--	--	--
PXW	2	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	5.7	<0.2	<0.2
PXW	5	--	--	--	--	--	--	--	--	--
RYW	38	--	--	--	--	--	--	--	--	--
SAW	49	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
SAW	50	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
SGW	1	--	--	--	--	--	--	--	--	--
WPW	37	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
WPW	38	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2
WPW	258	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.2	<0.2	<0.2

Table 7.--Drinking-water regulations and recommended limits
 [µg/L, micrograms per liter, mg/L, milligrams per liter;
 --, no data available.]

Constituents	1 Maximum contaminant levels	2 Secondary maximum contaminant levels
<u>INORGANIC</u>		
Aluminum, dissolved (µg/L as Al)	--	b ₅₀
Arsenic, dissolved (µg/L as As)	50	--
Barium, dissolved (µg/L as Ba)	1,000	b ₅₀₀
Cadmium, dissolved (µg/L as Cd)	10	5
Chloride, dissolved (mg/L as Cl)	--	b ₂₅₀
Chromium, dissolved (µg/L as Cr)	50+	--
Color (Platinum-Cobalt units)	--	b ₁₅
Copper, dissolved (µg/L as Cu)	--	1,000
Fluoride, dissolved (mg/L as F)	--	b ₄
Iron, dissolved (µg/L as Fe)	--	300
Lead, dissolved (µg/L as Pb)	50	b ₂₀
Manganese, dissolved (µg/L as Mn)	--	50
Mercury, dissolved (µg/L as Hg)	2	--
pH, field (Standard units)	--	b _{6.5 - 8.5}
Selenium, dissolved (µg/L as Se)	10	--
Silver, dissolved (µg/L as Ag)	50	--
Sodium, dissolved (mg/L as Na)	^a 250	b ₂₀
Solids, sum of constituents, dissolved (mg/L)	--	b ₅₀₀
Sulfate, dissolved (mg/L as SO ₄)	--	b ₂₅₀
Zinc, dissolved (µg/L as Zn)	--	5,000

Table 7.--Drinking-water regulations and recommended limits--continued

Constituents	¹ Maximum contaminant levels	² Secondary maximum contaminant levels
<u>ORGANIC</u>		
1,1,1-Trichloroethane, total (µg/L)	^a 200	--
1,1-Dichloroethylene, total (µg/L)	^a 7	--
1,2-Dichloropropane, total (µg/L)	^a 5	--
Benzene, total (µg/L)	^a 5	--
Carbon Tetrachloride, total (µg/L)	^a 5	--
Ethylbenzene, total (µg/L)	^a 700	--
Styrene, total (µg/L)	^a 5	--
Tetrachloroethylene, total (µg/L)	^a 5	--
Toluene (µg/L)	--	^b 40
Trichloroethylene, total (µg/L)	^a 5	--
Vinylchloride, total (µg/L)	^a 2	--
Xylene, total (µg/L)	--	^b 20

¹ MCL --Maximum Contaminant Levels are enforceable by the U.S. Environmental Protection Agency and are equivalent to primary drinking-water regulations (U.S. Environmental Protection Agency, 1986a).

a --Primary drinking-water regulations set by the New Hampshire Water Supply Engineering Bureau (written commun., 1988).

² SMCL --Secondary Maximum Contaminant Levels are established by the U.S. Environmental Protection Agency, except where noted, to provide acceptable qualities of taste, odor, color and appearance in public water supplies. At higher concentrations, some of these constituents may adversely affect human health (U.S. Environmental Protection Agency, 1979).

b --Secondary level set by the New Hampshire Water Supply Engineering Bureau (written commun., 1988).

+ -- MCL for Chromium is 50 µg/L as Cr⁺⁶ or Cr⁺³.

Table 8.--Surface-water discharge measurements at miscellaneous sites,
October 1986 - August 1987

[mi², square miles; ft³/s, cubic feet per second; --, no data]

Stream	Tributary to	Location	Drainage area (mi ²)	Informal number	Measurements	
					Date	Discharge (ft ³ /s)
Piscataqua River Basin						
01073830 Bailey Brook	Atlantic Ocean	Lat 42°59'25", long 70°47'48", Rockingham County, downstream side of bridge at culvert on West Road, 0.15 mi south of intersection with Garland Road, 0.36 mi north of intersection with South Road, 1.82 mi southwest of Rye, N.H. (plate 3)	0.5	1	10-21-86 8-26-87	0.15 no flow
01073835 Bailey Brook	do	Lat 42°59'20", long 70°46'37", Rockingham County, downstream side of bridge at culvert on Love Lane, 0.22 mi southwest of intersection with Central Road, 0.60 mi northwest of intersection with South Road, 1.7 mi south of Rye, N.H. (plate 3)	1.73	2	10-21-86 8-26-87	0.35 no flow
Merrimack River Basin						
010965844 Beaver Brook	Merrimack River	Lat 42°50'21", long 71°21'00", Rockingham County, downstream side of Kendall Pond outlet right on the Windham-Londonderry town line, 0.01 mi south of the intersection between South Road and Kendall Pond Road, 3.45 mi northwest of Windham, N.H. (plate 3)	30.8	3	10-21-86 8-25-87	6.71 0.97
010965846 Beaver Brook	do	Lat 42°49'40", long 71°20'51", Rockingham County, 50 ft behind house number sixteen Pleasant Drive, 0.06 mi due east of intersection between Pleasant Drive and Tranquil Road, measuring site is also á Windham-Londonderry town line, 2.9 mi northwest of Windham, N.H. (plate 1)	37.7	4	10-21-86 8-25-87	8.88 1.33
010965848 Beaver Brook tributary	Beaver Brook	Lat 42°49'02", long 71°20'41", Rockingham County, 50 ft upstream from mouth of tributary to Beaver Brook, 0.07 mi north of Sirod Road, 0.15 mi west of intersection between tributary and Kendall Pond Road, 2.45 mi northwest of Windham, N.H. (plate 3)	--	5	10-21-86 8-25-87	0.99 0.06

Table 8.--Surface-water discharge measurements at miscellaneous sites,
October 1986 - August 1987--continued

Stream	Tributary to	Location	Drainage area (mi ²)	Informal number	Measurements	
					Date	Discharge (ft ³ /s)
Merrimack River Basin--continued						
01096585 Beaver Brook	Merrimack River	Lat 42°48'23", long 71°21'12", Rockingham County, 20 ft upstream from bridge at the intersection of N.H. Highway Route 128 and Anderson Road, 0.28 mi north of the intersection between N.H. Highway's Route 128 and Route 111, 2.73 mi west of Windham, N.H. (plate 1)	41.8	6	10-21-86 8-25-87	11.3 1.26
010965851 Beaver Brook	do	Lat 42°47'25", long 71°21'53", Rockingham County, upstream from side of bridge on Bridle Bridge Road, at the Windham-Hudson town line, 0.45 mi west of N.H. State Highway Route 128, 3.6 mi southwest of Windham, N.H. (plate 1)	43.6	7	10-21-86 8-25-87	11.5 1.42
¹ 010965852 Beaver Brook	do	Lat 42°46'59", long 71°21'14", Rockingham County, 100 ft downstream from bridge on N.H. State Highway Route 128, at the Pelham-Windham town line, 0.23 mi south of the intersection with Glance Road, 3.26 mi southwest of Windham, N.H. (plate 1)	47.8	8	10-21-86 8-26-87	13.0 1.35
010965905 Golden Brook	Beaver Brook	Lat 42°47'32", long 71°18'16", Rockingham County, upstream from side of bridge on Golden Brook Road, 0.5 mi northwest of intersection with Route 111A, 1.6 mi south of Windham, N.H. (plate 1)	--	9	8-26-87	0.09
011005034 Taylor Brook	Spicket River	Lat 42°52'20", long 71°13'47", Rockingham County, 50 ft upstream from bridge on Island Pond Road, 0.3 mi northwest of intersection with North Shore Road, 5.42 mi southeast of Derry, N.H. (plate 2)	4.8	10	10-26-86 8-26-87	1.07 0.45
011005038 Taylor Brook	do	Lat 42°52'10", long 71°13'27", Rockingham County, upstream from side of culver on North Shore Road, 0.12 mi east of inter- section with Island Pond Road, 5.75 mi southeast of Derry, N.H. (plate 2)	5.0	11	10-20-86 8-26-87	0.71 0.48

Table 8.--Surface-water discharge measurements at miscellaneous sites,
October 1986 - August 1987--continued

Stream	Tributary to	Location	Drainage area (mi ²)	Informal number	Measurements	
					Date	Discharge (ft ³ /s)
Merrimack River Basin--continued						
01100530 Hittytity Brook	do	Lat 42°48'18", long 71°13'07", Rockingham County, downstream 100 ft from culvert on Bluff Road, 0.07 mi west of intersec- tion with Zion's Hill Road, 0.46 mi east of intersection with Scotland Avenue, 1.42 mi northwest of Salem, N.H. (plate 2)	9.4	12	10-20-86 8-27-87	0.94 no flow
01100535 Widow Hariss Brook	do	Lat 42°47'58", long 71°11'58", Rockingham County, at culver on Bridge Street, 0.03 mi northwest of intersection with Town Farm Road, 0.23 mi southeast of intersection with Bluff Street, 0.74 mi north of Salem, N.H. (plate 2)	10.8	13	10-20-86	4.17
01100674 Little River tributary	Little River	Lat 42°51'12", long 71°04'55", Rockingham County, at culvert on Boston and Maine railroad track, 0.38 mi southwest of intersection with Whittier Street Exten- sion, 2.7 mi southwest of Newton, N.H. (plate 3)	7.95	14	10-20-86 8-25-87	2.44 0.42
01100675 Kelly Brook	do	Lat 42°51'15", long 71°06'03", Rockingham County, at culvert on Route 125, 0.18 mi southwest of intersection with Old County Road and Route 125, 1.26 mi northwest of Plaistow, N.H. (plate 2)	1.9	15	10-20-86	0.81
01100676 Little River	Merrimack River	Lat 42°50'37", long 71°06'07", Rockingham County, downstream side of bridge on North Main Street, 0.32 mi southeast of intersection with Route 125, 0.6 mi northwest of Plaistow, N.H. (plate 2)	8.8	16	10-20-86 8-25-87	3.35 0.54

¹ U.S. Geological Survey gaging station.

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