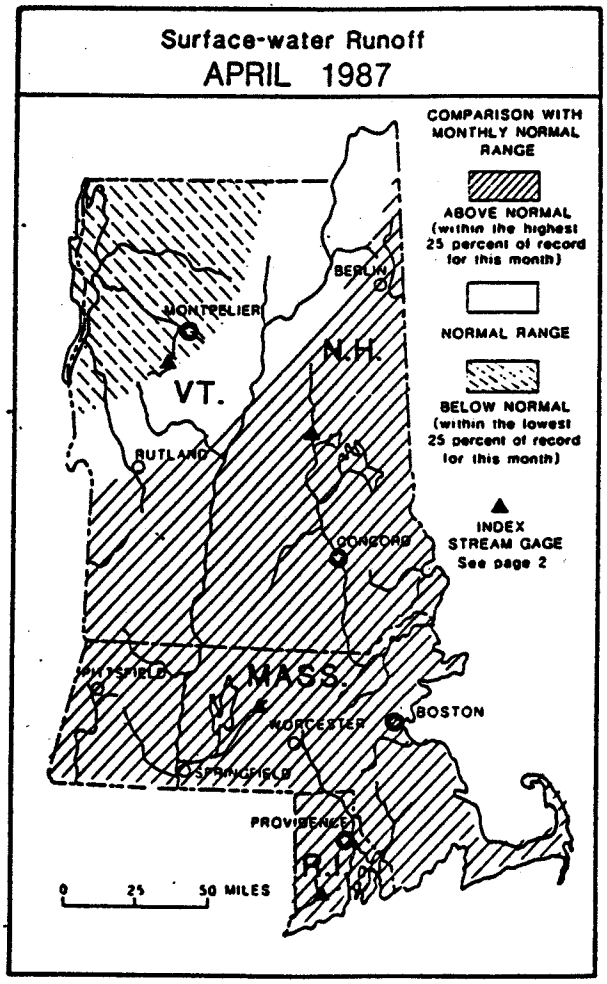
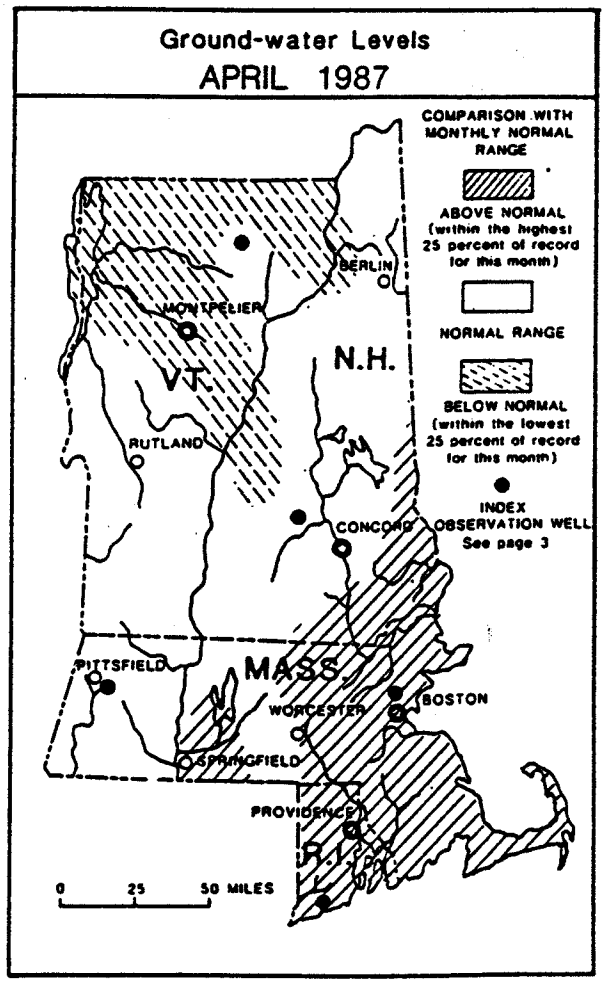
CURRENT WATER RESOURCES CONDITIONS IN CENTRAL NEW ENGLAND

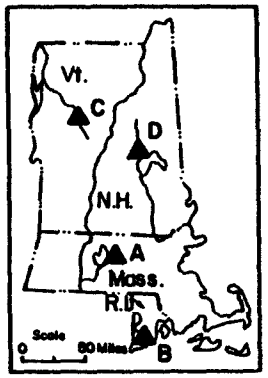
WATER RESOURCES DIVISION, U.S. GEOLOGICAL SURVEY
IN COOPERATION WITH THE STATES OF
MASSACHUSETTS, NEW HAMPSHIRE, RHODE ISLAND AND VERMONT





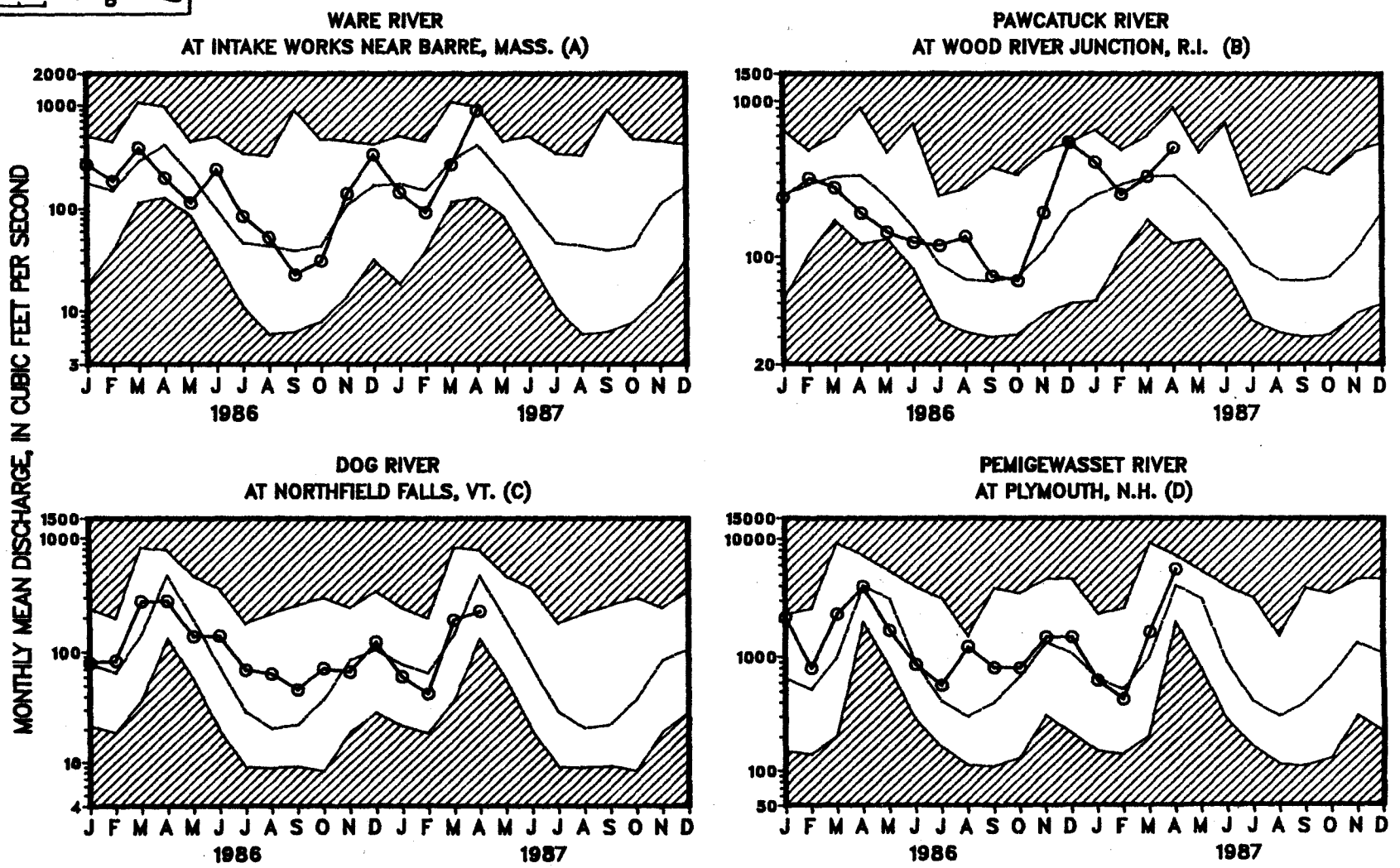
Substantial flooding occurred in parts of Massachusetts and New Hampshire as a result of two storms at the end of March and early April. Tables of rainfall and peak discharge data at selected gaging stations are presented at the end of this report.

STREAMFLOW AT SELECTED INDEX GAGES

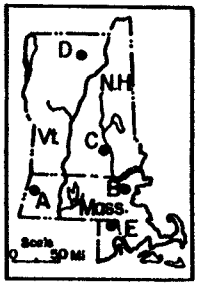


UNSHADED AREA SHOWS RANGE
BETWEEN HIGHEST AND LOWEST
MONTHLY MEAN DISCHARGE OF RECORD

CURRENT RECORDS ——— MEDIAN ———



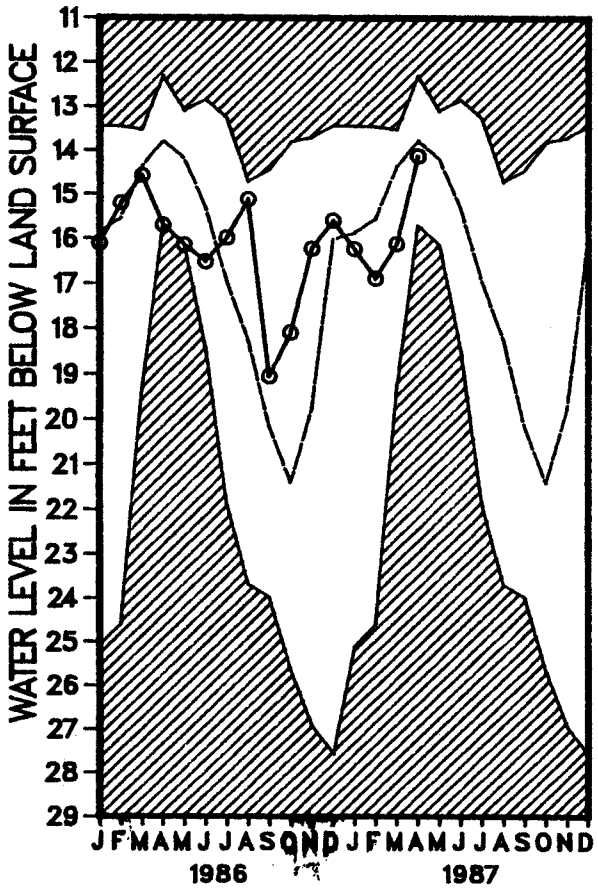
GROUND—WATER LEVELS IN SELECTED OBSERVATION WELLS



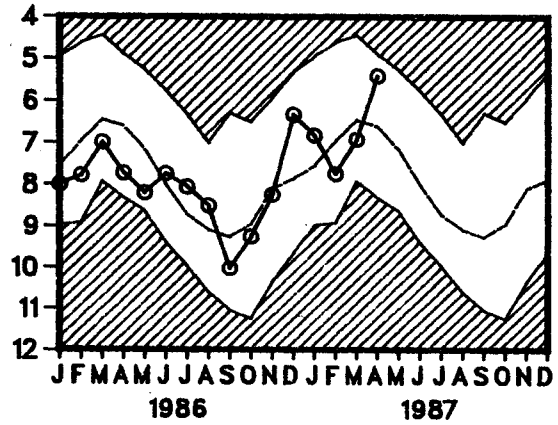
UNSHADED AREA SHOWS RANGE BETWEEN HIGHEST AND LOWEST MONTH—END WATER LEVEL

CURRENT RECORDS ——— MEDIAN ———

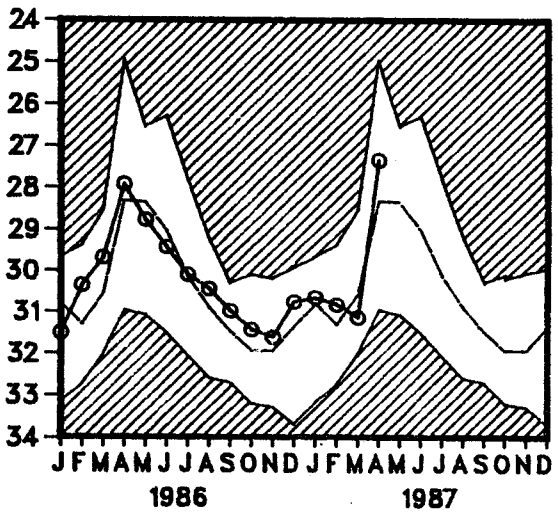
PITTSFIELD 51, MASS. (A)



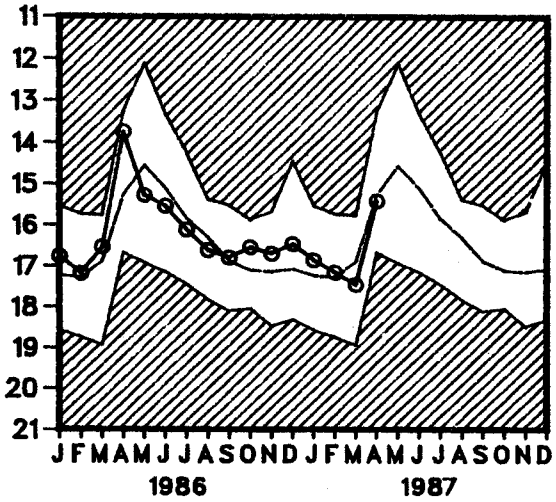
WILMINGTON 78, MASS. (B)



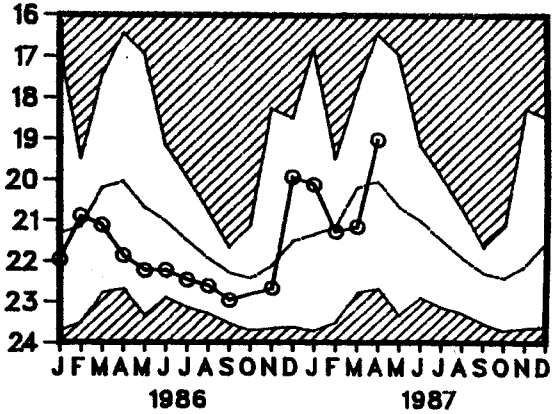
WARNER 1, N.H. (C)



GLOVER 1, VT. (D)



COVENTRY 411, R.I. (E)



SUMMARY OF GROUND-WATER LEVELS APRIL, 1987 PROVISIONAL

WELL	START OF RECORD	NET CHANGE IN MONTH (FEET)	NET CHANGE IN ONE YEAR (FEET)	DEPARTURE FROM APRIL MEDIAN (FEET)	WATER LEVEL BELOW LAND-SURFACE DATUM (FEET)	DAY
		MASSACHUSETTS				
ACTON 158	1965	+ 2.30	+ 3.37	+ 2.60	14.98 >>	23
ANDOVER 26	1962	+ 0.81	+ 4.61	+ 0.81	8.20	20
ANDOVER 462	1968	+ 1.69	+ 2.19	+ 2.01	11.90 >	20
ATTLEBORO 83	1964	+ 0.57	+ 0.91	+ 0.47	3.02	22
BARNSTABLE 230	1957	+ 1.34	+ 2.91	+ 1.79	20.74 >>	21
BARNSTABLE 247	1962	+ 1.17	+ 2.70	+ 2.23	21.38	21
BILLERICA 363	1962	+ 1.09	+ 2.86	+ 1.45	2.98	23
BOSTON 925	1960	+ 0.01	- 0.04	- 0.47	23.42	23
BOURNE 198	1962	+ 1.73	+ 2.58	+ 2.23	29.88 >>	22
BREWSTER 21	1962	+ 0.77	+ 1.83	+ 0.29	8.88	23
BREWSTER 22	1962	+ 0.66	+ 2.05	+ 1.07	29.09	23
CHATHAM 138	1962	+ 0.55	+ 2.47	+ 1.52	21.66	21
CHELMSFORD 68	1939	+ 4.25	+ 3.36	+ 3.22	3.83 >>	23
CHELMSFORD 385	1965	+ 1.24	+ 2.00	+ 1.57	14.26	23
CHESHIRE 2	1951	+ 0.01	+ 0.69	- 1.28	2.79	23
CHICOPEE 95	1984	+ 1.47	- 0.10	———	21.30	22
COLRAIN 8	1965	+ 2.34	+ 1.09	+ 0.24	16.30	23
CONCORD 165	1965	+ 1.76	+ 1.76	+ 0.67	40.16	23
CONCORD 167	1965	+ 0.27	+ 1.90	+ 1.23	4.98	23
DEDHAM 231	1965	+ 1.49	+ 3.10	+ 1.32	3.71	20
DEERFIELD 44	1965	- 0.21	+ 0.19	- 0.07	2.70	24
DOVER 10	1965	+ 2.22	+ 2.77	+ 1.63	29.95 >>	20
DUXBURY 79	1965	+ 0.67	+ 1.08	+ 0.80	7.25	22
DUXBURY 80	1965	+ 0.79	+ 1.14	+ 0.91	20.72	22
EAST BRIDGEWATER 30	1958	+ 2.05	+ 4.01	+ 1.50	3.56	22
EDGARTOWN 52	1976	+ 0.80	+ 3.79	+ 3.77	14.29 >	18
FOXBOROUGH 3	1965	+ 1.48	+ 2.03	+ 0.88	16.93	20
FREETOWN 23	1964	+ 2.23	+ 2.84	+ 2.06	10.78	22
GEORGETOWN 168	1965	+ 0.69	+ 1.17	+ 1.14	2.87 >	20
GRANBY 68	1954	———	+ 1.35	+ 0.75	5.58	22
GRANVILLE 5	1965	+ 1.46	+ 1.19	+ 0.84	31.86	23
GRANVILLE 6	1965	+ 1.70	+ 0.81	- 0.37	3.58	23
GREAT BARRINGTON 2	1951	- 0.76	+ 2.33	+ 0.45	7.47	23
HALIFAX 97	1977	+ 0.42	+ 0.81	+ 0.56	2.88	22
HANSON 76	1964	+ 0.58	+ 1.19	+ 0.75	3.53	22
HARDWICK 1	1965	+ 3.02	+ 2.44	+ 0.68	11.56	21
HARDWICK 31	1984	+ 0.70	+ 0.42	———	10.55 >>	22
HAVERHILL 23	1960	+ 4.08	+ 4.30	+ 2.64	7.02 >	20
LAKEVILLE 14	1964	+ 3.77	+ 5.51	+ 3.44	10.08	22
LEXINGTON 104	1965	+ 0.16	+ 0.77	+ 0.76	1.81	23
MASHPEE 29	1976	+ 1.34	+ 2.79	+ 2.46	5.62 >>	22
MIDDLEBOROUGH 82	1965	+ 2.46	+ 4.83	+ 2.91	2.61 >	22
MONTAGUE 5	1942	+ 0.47	+ 0.91	+ 0.45	1.65	22

WELL	START OF RECORD	NET CHANGE IN MONTH (FEET)	NET CHANGE IN ONE YEAR (FEET)	DEPARTURE FROM APRIL MEDIAN (FEET)	WATER LEVEL BELOW LAND-SURFACE DATUM (FEET)	DAY
MASSACHUSETTS (CONTINUED)						
NANTUCKET 228	1976	+ 0.17	+ 4.75	+ 2.01	22.25	24
NEW BEDFORD 116	1964	+ 0.21	+ 0.34	+ 0.15	3.78	22
NEWBURY 27	1965	+ 1.01	+ 2.54	+ 2.23	3.19 >	20
NORFOLK 27	1965	+ 0.90	+ 2.88	+ 1.85	4.20 >>	20
NORTHBRIDGE 1	1965	+ 0.74	+ 1.35	- 0.76	3.33	21
NORTON 37	1964	+ 1.59	+ 3.04	+ 1.95	4.53	22
ORANGE 63	1985	+ 1.80	+ 2.14	———	5.30 >>	23
OTIS 7	1965	+ 1.20	+ 1.80	+ 0.78	6.37	23
PELHAM 23	1984	+ 0.05	+ 0.57	———	10.90 >	22
PELHAM 24	1984	+ 0.21	+ 0.68	———	3.13 >	22
PETERSHAM 16	1984	+ 5.69	+ 5.28	———	8.05 >	22
PITTSFIELD 51	1963	+ 1.99	+ 0.99	- 0.31	14.12	23
PLYMOUTH 22	1956	+ 2.14	+ 2.61	+ 1.66	21.48	22
SALISBURY 9	1960	+ 0.17	+ 0.60	+ 0.84	3.68 >	20
SANDWICH 252	1962	+ 0.37	+ 1.07	+ 0.92	46.03	22
SANDWICH 253	1962	+ 1.27	+ 3.18	+ 1.36	47.75	22
SEEKONK 275	1964	+ 0.42	+ 0.58	+ 1.10	5.59	22
SHEFFIELD 59	1963	———	———	———	———	
STERLING 1	1947	+ 0.01	+ 0.18	- 0.01	3.09	21
SUNDERLAND 7	1957	+ 6.35	+ 4.10	+ 2.82	7.15	22
TAUNTON 258	1976	+ 1.16	+ 2.10	+ 1.32	10.45	22
TAUNTON 337	1964	+ 1.23	+ 1.92	+ 1.19	7.13	22
TEMPLETON 3	1957	+ 0.33	+ 0.40	+ 0.12	3.22	21
TOPSFIELD 1	1936	+ 1.30	+ 2.85	+ 1.97	7.65	20
TOWNSEND 13	1965	+ 3.34	+ 3.38	+ 2.33	9.55 >>	24
TRURO 1	1950	- 0.01	+ 0.39	+ 0.45	10.06	23
TRURO 89	1962	+ 0.19	+ 0.97	+ 0.74	10.89	23
WAKEFIELD 38	1965	+ 0.55	+ 1.25	+ 0.57	5.60	23
WARE 43	1965	+ 0.60	+ 0.29	+ 0.14	8.70	22
WAREHAM 51	1959	+ 1.67	+ 2.37	+ 1.06	4.83	22
WAYLAND 2	1965	+ 1.83	+ 1.89	+ 0.80	14.18	23
WEBSTER 1	1958	+ 3.02	+ 3.31	+ 1.57	11.31	21
WELLFLEET 17	1962	+ 0.58	+ 1.41	+ 1.00	8.36	23
WENHAM 76	1965	+ 0.59	+ 1.12	+ 0.96	1.40	20
WEST BROOKFIELD 2	1959	+ 1.44	+ 0.66	+ 0.94	18.06	21
WEST BROOKFIELD 10	1970	+ 1.87	+ 2.40	+ 0.47	2.20	21
WESTFIELD 62	1957	- 0.51	+ 3.36	+ 1.39	4.29	24
WEYMOUTH 2	1965	+ 1.81	+ 5.24	+ 2.20	6.15	20
WEYMOUTH 3	1965	+ 0.59	+ 1.14	+ 0.70	4.01	20
WEYMOUTH 4	1965	+ 1.03	+ 1.86	+ 1.36	5.15	20
WILBRAHAM 55	1965	+ 8.81	+ 3.97	+ 2.42	33.45	22
WILMINGTON 78	1951	+ 1.51	+ 2.32	+ 1.21	5.41	23
WINCHENDON 13	1939	+ 1.97	+ 1.31	+ 0.33	3.29	21
WINCHESTER 14	1940	+ 0.65	+ 3.16	+ 1.55	7.47	23
WORCESTER 274	1965	+ 0.59	+ 0.78	+ 0.12	23.16	21

WELL	START OF RECORD	NET CHANGE IN MONTH (FEET)	NET CHANGE IN ONE YEAR (FEET)	DEPARTURE FROM APRIL MEDIAN (FEET)	WATER LEVEL BELOW LAND-SURFACE DATUM (FEET)	DAY
		NEW HAMPSHIRE				
CONCORD 2	1963	+ 0.58	- 0.56	- 2.35	41.89	27
CONCORD 3	1966	+ 0.32	- 0.04	+ 0.02	56.91	24
CONCORD 4	1966	+ 1.99	+ 0.84	- 0.05	15.68	27
ERROL 1	1966	+ 1.3	+ 0.3	- 0.1	11.5	22
FRANKLIN 1	1966	+ 2.71	+ 0.03	+ 0.04	10.73	27
HOOKSETT 5	1965	+ 3.07	+ 2.69	+ 0.51	44.88	27
KEENE 2	1963	- 0.84	+ 0.90	+ 0.42	2.38	27
LANCASTER 1	1966	- 1.90	+ 0.14	- 0.40	0.90	22
LEE 1	1953	+ 0.54	+ 0.68	+ 0.37	30.29	27
MILFORD 36	1962	+ 0.00	+ 0.47	+ 0.50	7.03	25
NASHUA 143	1958	+ 1.11	+ 0.76	- 0.40	7.76	27
NASHUA 218	1964	+ 2.33	+ 1.04	+ 0.70	26.56	27
NEW LONDON 1	1947	+ 3.18	+ 0.71	- 1.03	5.31	27
WARNER 1	1965	+ 3.80	+ 0.58	+ 0.87	27.34	27
		RHODE ISLAND				
BURRILLVILLE 187	1968	+ 1.45	+ 1.90	+ 1.33	12.25	25
CHARLESTOWN 18	1946	+ 1.84	+ 3.10	+ 2.19	13.93	25
COVENTRY 411	1961	+ 2.13	+ 2.84	+ 1.02	19.02	25
CUMBERLAND 265	1946	+ 0.87	+ 1.60	+ 1.07	11.13	25
EXETER 6	1948	+ 1.35	+ 1.41	+ 1.04	3.96	25
EXETER 16	1946	+ 1.49	+ 2.09	+ 2.22	7.06	25
LINCOLN 84	1946	+ 0.54	+ 1.83	+ 1.53	3.10	25
NORTH KINGSTOWN 255	1954	+ 1.08	+ 0.74	+ 0.73	6.46	25
NORTH KINGSTOWN 450	1961	+ 1.28	+ 2.14	+ 1.38	10.47	25
NORTH SMITHFIELD 21	1947	+ 0.74	+ 2.02	+ 0.75	5.96	25
PAWTUCKET 136	1962	+ 1.59	+ 2.85	+ 1.37	2.38	25
PROVIDENCE 48	1944	———	———	———	———	
PROVIDENCE 1051	1948	+ 0.42	+ 1.29	+ 5.02	0.24	25
RICHMOND 231	1955	+ 0.73	+ 1.40	+ 0.57	22.64	25
RICHMOND 417	1976	+ 0.75	+ 0.89	+ 0.34	5.79	25
RICHMOND 600	1977	+ 0.62	+ 0.71	+ 0.41	32.78	25
SOUTH KINGSTOWN 6	1955	+ 1.11	+ 1.49	+ 1.14	9.98	25
SOUTH KINGSTOWN 515	1955	+ 1.23	+ 1.67	+ 0.63	25.38	25
WESTERLY 522	1969	+ 0.72	+ 1.46	+ 0.77	10.73	25
WEST GREENWICH 181	1969	+ 1.04	+ 1.50	+ 0.92	14.40	25

WELL	START OF RECORD	NET CHANGE IN MONTH (FEET)	NET CHANGE IN ONE YEAR (FEET)	DEPARTURE FROM APRIL MEDIAN (FEET)	WATER LEVEL BELOW LAND-SURFACE DATUM (FEET)	DAY
			VERMONT			
BERKSHIRE 1	1966	- 0.12	- 0.84	- 2.15	13.95	23
BRIGHTON 1	1966	+ 0.00	- 0.43	- 0.53	3.40	24
CHESTER 1	1966	+ 0.48	+ 0.25	- 0.74	4.25	23
GLOVER 1	1966	+ 2.05	- 1.67	- 0.25	15.41	23
HARTLAND 54	1969	+ 1.25	- 0.18	- 0.03	7.32	21
MIDDLESEX 3	1966	- 0.39	- 0.82	- 2.52	22.11 <	23
MILTON 3	1956	+ 3.13	- 2.50	- 2.46	31.86	23
MONTPELIER 2	1966	+ 1.58	- 1.45	- 1.73	14.61	23
MORRISTOWN 1	1966	+ 0.89	- 1.06	- 1.28	18.49	23
PITTSFORD 8	1957	+ 0.20	- 0.09	+ 0.74	35.45	21
POWNAL 1	1964	+ 0.60	+ 0.29	+ 0.15	12.70	26
ROCHESTER 1	1966	+ 2.97	- 0.21	- 0.96	7.88	21
WAITSFIELD 2	1975	+ 0.09	+ 0.16	- 0.15	5.99	21
WAITSFIELD 3	1975	+ 0.30	+ 0.02	- 0.35	5.90	21
WEST FAIRLEE 1	1966	+ 1.39	- 0.73	- 0.63	2.49	21

> SET NEW HIGH OR EQUALED HIGHEST RECORDED WATER LEVEL FOR END OF APRIL
>> SET NEW HIGH OR EQUALED HIGHEST RECORDED WATER LEVEL FOR PERIOD OF RECORD
< SET NEW LOW OR EQUALED LOWEST RECORDED WATER LEVEL FOR END OF APRIL
<< SET NEW LOW OR EQUALED LOWEST RECORDED WATER LEVEL FOR PERIOD OF RECORD
— DATA NOT AVAILABLE

CONTENTS OF MAJOR RESERVOIRS (ESTIMATED END OF MONTH READINGS)
(MILLIONS OF CUBIC FEET)

RESERVOIR	MONTH-END CONTENTS	% AVERAGE	% FULL
FIRST CONNECTICUT LAKE, NH	2511	147	75
LAKE FRANCIS, NH	2694	111	62
LAKE WINNIPESAUKEE, NH	7020	100	97
SOMERSET RESERVOIR, VT	2162	106	86
HARRIMAN RESERVOIR, VT	4361	110	86
BORDEN BROOK + COBBLE MTN RES., MA	3242	108	96

A MONTHLY REPORT PREPARED BY THE
U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION
SUITE 1309, 150 CAUSEWAY STREET, BOSTON, MA 02114

IN COOPERATION WITH THE STATES OF
MASSACHUSETTS, NEW HAMPSHIRE, RHODE ISLAND, AND VERMONT

Rain from two storms in late March and early April produced substantial flooding in central New England. The most significant flooding occurred in northeastern Massachusetts and coastal New Hampshire; flooding at some gaging stations in this area produced peaks with recurrence intervals in excess of 100 years. Most gages recorded higher peak discharges from the second storm. Table 1 shows rainfall totals at selected sites in Massachusetts, New Hampshire, and Vermont. Table 2 provides peak discharge data at selected gaging stations.

Recurrence intervals shown in table 2 were estimated for all peak discharges, regardless of the extent to which the peak discharge could be controlled by lakes or reservoirs upstream. These results are based upon preliminary analyses and should be used with caution. The recurrence interval is the average interval of time within which a flood of given magnitude will be exceeded once, and is the reciprocal of the probability of occurrence of this event. For example, with a recurrence interval of 40 years, a flood has a 1 in 40 chance of being exceeded in a given year.

Table 1.—Rainfall, in inches, at selected flood-control reservoirs.
(Data furnished by U.S. Army Corps of Engineers except as indicated.)

Lake or Reservoir	March 31 to April 1	April 5-7
MERRIMACK RIVER BASIN		
Blackwater Reservoir, N.H.	1.72	4.41
Hopkinton Reservoir, N.H.	1.86	5.77
CHARLES RIVER BASIN		
Dover, Mass.*	3.21 (3/30-4/1)	5.22 (4/3-7)
BLACKSTONE RIVER BASIN		
West Hill, Mass.	4.00	5.26
THAMES RIVER BASIN		
Buffumville, Mass.	4.90	4.72
Westville, Mass.	4.30	4.45
CONNECTICUT RIVER BASIN		
North Springfield, Vt.	1.60	1.85
Otter Brook, N.H.	1.88	3.70
Birch Hill, Mass.	2.55	3.78
Barre Falls, Mass.	3.21	5.13
Knightville, Mass.	3.10	5.06

* Data furnished by Commonwealth of Massachusetts, Department of Environmental Management, Water Resources Division.

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION
NEW ENGLAND DISTRICT

Table 2.--Provisional stages and discharges for the flood of March 31 to April 10, 1987, at selected sites in Massachusetts, New Hampshire, and Rhode Island

Station number	Stream and place of determination	Drainage area, in square miles	Period of record or known floods	Maximum flood previously known: Date	Maximum flood previously known: Gage height, in feet	Maximum flood previously known: Discharge, in cubic feet per second	Maximum during present flood: Date	Maximum during present flood: Gage height, in feet	Maximum during present flood: Discharge: Cubic feet per second	Maximum during present flood: Discharge: Cubic feet per second per square mile	Estimated recurrence interval (years)
	PISCATAQUA RIVER BASIN										
01073500	Lamprey River near Newmarket, N.H.	183	1934-	Mar. 20, 1936	14.88	5,490	Apr. 7	15.14	7,500	41	>100
	MERRIMACK RIVER BASIN										
01076500	Pemigewasset River at Plymouth, N.H.	622	1903-	Mar. 19, 1936	29.0	65,400	Apr. 1	23.43	48,100	77	35
01085000	Contoocook River near Henniker, N.H.	368	1768, 1939-77	Sept. 21, 1938	21.3	22,200	Apr. 6	16.0a	16,000	43	>100
01094400	North Nashua River at Fitchburg, Mass.	63.4	1972-	Apr. 5, 1984	7.02	2,740	Apr. 5	7.78	3,400	54	>100
01094500	North Nashua River near Leominster, Mass.	110	1850, 1935-	Mar. 18, 1936	20.53	16,300	Apr. 5	9.97	7,400	67	22
01096000	Squannacook River near West Groton, Mass.	63.7	1949-	Oct. 16, 1955	8.04	4,010	Apr. 6	8.16	4,220	66	55
01096500	Nashua River at East Pepperell, Mass.	316	1935-	Mar. 20, 1936	19.1	20,900	Apr. 7	16.19b	11,700	36	45
01097000	Assabet River at Maynard, Mass.	116	1886, 1941-	Aug. 20, 1955	8.94	4,250	Apr. 7	7.17	2,120	18	10
01097300	Nashoba Brook near Acton, Mass.	12.8	1963-	Jan. 26, 1979	5.57	679	Apr. 7	4.89	331	26	5
01098530	Sudbury River at Saxonville, Mass.	106	1979-	June 7, 1982	13.30	2,420	Apr. 8c	13.5c	2,220c	--	--
01099500	Concord River below River Meadow Brook at Lowell, Mass.	307	1936-	Jan. 28, 1979	9.60	5,410	Apr. 10	9.60	5,410	18	50
01100000	Merrimack River below Concord River at Lowell, Mass.	4,425	1735, 1923-	Mar. 20, 1936	68.4	173,000	Apr. 7	57.16	84,700	19	35

Table 2.--Provisional stages and discharges for the flood of March 31 to April 10, 1987, at selected sites in Massachusetts, New Hampshire, and Rhode Island--Continued

Station number	Stream and place of determination	Drainage area, in square miles	Period of record or known floods	Maximum flood previously known			Maximum during present flood				
				Date	Gage height, in feet	Discharge, in cubic feet per second	Date	Gage height, in feet	Discharge: Cubic feet per second	Discharge: Cubic feet per second per square mile	Estimated recurrence interval (years)
	PARKER RIVER BASIN										
01101000	Parker River at Byfield, Mass.	21.3	1945-	Mar. 19, 1968	5.61	489	Apr. 7	7.35	790	37	>100
	IPSWICH RIVER BASIN										
01101500	Ipswich River at South Middleton, Mass.	44.5	1938-	Jan. 26, 1979	7.12	839	Apr. 7	7.51	1,000	22	60
01102000	Ipswich River near Ipswich, Mass.	125	1886, 1930-	Mar. 20, 1936	8.41	2,680	Apr. 8	9.43	3,550	27	>100
	MYSTIC RIVER BASIN										
01102500	Aberjona River at Winchester, Mass.	24.1	1886, 1939-	Jan. 25, 1979	15.46	1,330	Apr. 7	14.20	877	36	27
	CHARLES RIVER BASIN										
01103500	Charles River at Dover, Mass.	183	1886, 1937-	Aug. 23, 1955 Mar. 22, 1968	9.24 8.72	3,220 3,220	Apr. 8	8.05	2,810	15	22
01104500	Charles River at Waltham, Mass.	227	1886, 1931-	Jan. 25, 1979 Feb. 3, 1976	6.48 6.54	3,480 4,150d	Apr. 7	5.51	2,800	12	20
	NEPONSET RIVER BASIN										
01105000	Neponset River at Norwood, Mass.	34.7	1886, 1939-	Aug. 19, 1955	14.65	1,490	Apr. 7	9.38	691	20	10
	NORTH RIVER BASIN										
01105730	Indian Head River at Hanover, Mass.	30.2	1966-	Mar. 18, 1968	7.13	1,390	Apr. 7	5.47	716	24	2.3
	TAUNTON RIVER BASIN										
01109000	Wading River near Norton, Mass.	43.3	1925-	Mar. 19, 1968	11.47	1,460	Apr. 6	10.10	810	19	10

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Table 2.--Provisional stages and discharges for the flood of March 31 to April 10, 1987, at selected sites in Massachusetts, New Hampshire, and Rhode Island--Continued

Station number	Stream and place of determination	Drainage area, in square miles	Period of record or known floods	Maximum flood previously known: Date	Maximum flood previously known: Gage height, in feet	Maximum flood previously known: Discharge, in cubic feet per second	Maximum during present flood: Date	Maximum during present flood: Gage height, in feet	Maximum during present flood: Discharge: Cubic feet per second	Maximum during present flood: Discharge: Cubic feet per second per square mile	Estimated recurrence interval (years)
	BLACKSTONE RIVER BASIN										
01110000	Quinsigamond River at North Grafton, Mass.	25.6	1939-	Aug. 20, 1955	5.15	820	Apr. 7	3.95	486	19	17
01110500	Blackstone River at Northbridge, Mass.	139	1900, 1939-77	Aug. 20, 1955	16.74	16,900	Apr. 5	9.42e	3,750	27	12
01111500	Branch River at Forestdale, R.I.	91.2	1886, 1940-	Mar. 19, 1936	--	5,800	Apr. 5	9.99	3,770	41	12
01112500	Blackstone River at Woonsocket, R.I.	416	1645, 1929-	Aug. 19, 1955	21.8	32,900	Apr. 5	11.65	10,300	25	9
	PAWTUXET RIVER BASIN										
01116500	Pawtuxet River at Cranston, R.I.	200	1939-	June 7, 1982	14.5	5,440	Apr. 7	10.24	2,670	13	5
	PAWCATUCK RIVER BASIN										
01117500	Pawcatuck River at Wood River Junction, R.I.	100	1940-	June 7, 1982	8.75	1,860	Apr. 7	4.97	722	7	2
	CONNECTICUT RIVER BASIN										
01162500	Priest Brook near Winchendon, Mass.	19.4	1916-	Sept. 21, 1938	9.90	3,000	Apr. 1	6.55a	871	45	14
01168500	Deerfield River at Charlemont, Mass.	361	1913-	Sept. 21, 1938	20.17	65,300	Apr. 4	16.25	36,200	100	25
01169000	North River at Shattuckville, Mass.	89.0	1939-	Oct. 15, 1955	10.37	13,200	Apr. 5	11.19	15,300	172	60
01170000	Deerfield River near West Deerfield, Mass.	557	1940-	Dec. 31, 1948	15.3	48,500	Apr. 5	17.71	61,700	111	>100
01170500	Connecticut River at Montague City, Mass.	7,860	1904-	Mar. 19, 1936	49.2	236,000	Apr. 1	35.89	126,000	16	8

Table 2.--Provisional stages and discharges for the flood of March 31 to April 10, 1987, at selected sites in Massachusetts, New Hampshire, and Rhode Island--Continued

Station number	Stream and place of determination	Drainage area, in square miles	Period of record or known floods	Maximum flood previously known: Date	Maximum flood previously known: Gage height, in feet	Maximum flood previously known: Discharge, in cubic feet per second	Maximum during present flood: Date	Maximum during present flood: Gage height, in feet	Maximum during present flood: Discharge: Cubic feet per second	Maximum during present flood: Discharge: Cubic feet per second per square mile	Estimated recurrence interval (years)
	CONNECTICUT RIVER BASIN (Continued)										
01174500	East Branch Swift River near Hardwick, Mass.	43.7	1937-	Sept. 21, 1938	--	6,780	Apr. 1	21.16	1,030	24	4
01181000	West Branch Westfield River at Huntington, Mass.	94.0	1935-	Sept. 12, 1938	11.61	19,900	Apr. 5	11.1	14,000	149	11
01183500	Westfield River near Westfield, Mass.	497	1914-	Aug. 19, 1955	34.2	70,300	Apr. 5	17.8	21,000	42	6
01185500	West Branch Farmington River near New Boston, Mass.	91.7	1913-	Aug. 19, 1955	14.06	34,300	Apr. 4	9.51	8,630	94	23
	HOUSATONIC RIVER BASIN										
01197000	East Branch Housatonic River at Coltsville, Mass.	57.6	1755, 1936-	Sept. 21, 1938	10.80	6,400	Apr. 5	8.21	5,010	87	33
01197500	Housatonic River near Great Barrington, Mass.	282	1913-	Jan. 1, 1949	12.08	12,200	Apr. 6	9.12	6,560	23	8
	HUDSON RIVER BASIN										
01332000	North Branch Hoosic River at North Adams, Mass.	40.9	1927, 1931-	Sept. 28, 1938	12.05	8,950	Apr. 5	11.64	6,800	166	27
01332500	Hoosic River near Williamstown, Mass.	126	1940-	Dec. 31, 1948	14.85	13,000	Apr. 5	12.45	9,370	74	18
01333000	Green River at Williamstown, Mass.	42.6	1948, 1949-	Dec. 31, 1973	5.68	4,060	Mar. 31	4.96	2,050	48	4

a From floodmarks.
b From floodmark in gage house, confirmed by mark on nearby tree.
c Date and stage of discharge measurement; peak not yet determined.
d Caused by release of water behind ice jam.
e From U.S. Army Corps of Engineers Data Collection Platform.