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2000

PREFACE

This volume of the annual hydrologic data report of New Hampshire and Vermont is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to U.S. Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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This report was prepared in cooperation with the States of New Hampshire and Vermont and with other agencies under the general supervision of Brian Mrazik, Chief, New Hampshire-Vermont District.

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FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME**

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[Letters after station name designate type of data collected: (d) discharge; (c) chemical; (b) biological; (s) sediment, (e) elevation, gage heights, or contents]

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FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME**

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DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

The following continuous-record streamflow stations in New Hampshire and Vermont have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as crest-stage partial-record stations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

Discontinued surface-water discharge stations

| Station Name | Station Number | Drainage Area (mi ²) | Period of Record (water years) |
|--|----------------|----------------------------------|--------------------------------|
| SACO RIVER BASIN | | | |
| Lucy Brook near North Conway, NH | 01064400 | 4.68 | 1964-92 |
| Cold Brook at South Tamworth, NH | 01064800 | 5.41 | 1963-73 |
| Ossipee River at Effingham Falls, NH | 01065000 | 330 | 1942-90 |
| PISCATAQUA RIVER BASIN | | | |
| Mohawk Brook near Center Strafford, NH | 01072850 | 8.87 | 1964-77 |
| Cocheco River at Dover, NH | 01072880 | 173 | 1992-96 |
| Dudley Brook near Exeter, NH | 01073600 | 4.97 | 1962-85 |
| MERRIMACK RIVER BASIN | | | |
| Pemigewasset River at North Woodstock, NH | 01074000 | 28.6 | 1911-12 |
| East Branch Pemigewasset River near Lincoln, NH | 01074500 | 104 | 1928-53 |
| Pemigewasset River at Woodstock, NH | 01075000* | 193 | 1940-77 |
| Baker River at Wentworth, NH | 01075500 | 58.8 | 1940-52 |
| Stevens Brook near Wentworth, NH | 01075800 | 2.94 | 1963-98 |
| Baker River near Rummey, NH | 01076000* | 143 | 1929-77 |
| Squam River at Ashland, NH | 01077000 | 57.6 | 1939-95 |
| Poorfarm Brook near Gilford, NH | 01079600 | 5.0 | 1978-80 |
| Merrimack River at Franklin Junction, NH | 01081500* | 1,507 | 1903-78 |
| Contoocook River at Peterborough, NH | 01082000* | 68.1 | 1945-77 |
| Nubanusit Brook near Peterborough, NH | 01083000* | 46.9 | 1921-31 1945-89 |
| Contoocook River near Elmwood, NH | 01083500 | 168 | 1917-24 |
| North Branch Contoocook River near Antrim, NH | 01084000 | 54.8 | 1924-70 |
| Beards Brook near Hillsboro, NH | 01084500 | 55.4 | 1945-70 |
| Contoocook River near Henniker, NH | 01085000* | 368 | 1940-77 |
| Contoocook River below Hopkinton Dam at West Hopkinton, NH | 01085500* | 427 | 1903-07, 1963-89 |
| Warner River at Davisville, NH | 01086000 | 146 | 1940-78 |
| Blackwater River near Webster, NH | 01087000* | 129 | 1918-20, 1927-89 |
| Contoocook River at Penacook, NH | 01088000 | 766 | 1929-77 |
| Merrimack River at Garvins Falls, NH | 01088500 | 2,427 | 1904-15 |
| Soucook River near Concord, NH | 01089000 | 76.8 | 1952-87 |
| Suncook River at North Chichester, NH | 01089500 | 157 | 1918-27, 1928-70 |
| Suncook River at East Pembroke, NH | 01090000 | 270 | 1904-05 |
| Merrimack River at Manchester, NH | 01090500 | 2,854 | 1924-50 |
| Piscataquog River below Everett Dam near East Weare, NH | 01090800* | 63.1 | 1963-89 |
| South Branch Piscataquog River near Goffstown, NH | 01091000 | 104 | 1940-78 |
| Piscataquog River near Goffstown, NH | 01091500* | 202 | 1940-78 |
| Sucker Brook at Auburn, NH | 01093000 | 27.8 | 1938-70 |
| Souhegan River at Merrimack, NH | 01094000* | 171 | 1909-76 |

WATER RESOURCES DATA FOR NEW HAMPSHIRE AND VERMONT

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

Discontinued surface-water discharge stations--Continued

| Station Name | Station Number | Drainage Area (mi ²) | Period of Record (water years) |
|--|----------------|----------------------------------|--------------------------------|
| CONNECTICUT RIVER BASIN | | | |
| Big Brook near Pittsburg, NH | 01127880 | 6.36 | 1963-85 |
| Connecticut River at First Connecticut Lake near Pittsburg, NH | 01128500 | 83 | 1917-90 |
| Halls Stream near East Hereford, Quebec, Canada | 01129300 | 85 | 1963-92 |
| Passumpsic River at Pierces's Mill near St. Johnsbury, VT | 01133500 | 237 | 1909-19 |
| Kirby Brook at Concord, VT | 01134800 | 8.05 | 1963-74 |
| Moose River at St. Johnsbury, VT | 01135000 | 128 | 1928-83 |
| Stevens River at West Barnet, VT | 01136000 | 22.2 | 1939-45 |
| Ammonoosuc River at Bretton Woods, NH | 01136500 | a34 | 1903-07 |
| Ammonoosuc River near Bath, NH | 01138000 | 395 | 1935-80 |
| Connecticut River at South Newbury, VT | 01139500 | 2,825 | 1918-50 |
| South Branch Waits River near Bradford, VT | 01140000 | 42.7 | 1940-51 |
| Connecticut River at Orford, NH | 01140500 | 3,100 | 1900-21 |
| Ompompanoosuc River at Union Village, VT | 01141500* | 130 | 1940-89 |
| Mink Brook near Etna, NH | 01141800 | 4.60 | 1962-98 |
| White River near Bethel, VT | 01142000 | 241 | 1931-55 |
| Mascoma River at West Canaan, NH | 01145000* | 80.5 | 1939-78 |
| Kent Brook near Shelburne, VT | 01150800 | 3.31 | 1964-74 |
| Ottawaquechee River at Woodstock, VT | 01151000 | 126 | 1928-30 |
| Black River at Covered Bridge at Weathersfield, VT | 01152800 | 114 | 1976-82 |
| Black River at North Springfield, VT | 01153000* | 158 | 1929-89 |
| Williams River at Brockways Mills, VT | 01153500 | 103 | 1940-84 |
| Saxtons River at Saxtons River, VT | 01154000 | 72.2 | 1940-82 |
| Cold River at Drewsville, NH | 01155000 | 82.7 | 1940-78 |
| Sacketts Brook near Putney, VT | 01155200 | 10.0 | 1963-74 |
| Flood Brook near Londonderry, VT | 01155300 | 9.25 | 1963-74 |
| West River at Newfane, VT | 01156000 | 308 | 1919-23, 1928-89 |
| Connecticut River at Vernon, VT | 01156500 | 6,266 | 1936, 1938 1944-73 |
| Ashuelot River near Gilsum, NH | 01157000 | 71.1 | 1922-80 |
| Otter Brook near Keene, NH | 01158500 | 42.3 | 1924-58 |
| Pratt Brook at Chesham, NH | 01159000 | 11.2 | 1919-21 |
| Minnewawa Brook at Marlborough, NH | 01159500 | 31.7 | 1919-22 |
| South Branch Ashuelot River at Webb near Marlborough, NH | 01160000 | 36.0 | 1920-78 |
| Beaver Brook at Wilmington, VT | 01167800 | 6.38 | 1963-77 |
| HUDSON RIVER BASIN | | | |
| Batten Kill at Arlington, VT | 01329000 | 152 | 1929-84 |
| ST. LAWRENCE RIVER BASIN | | | |
| Mettawee River Tributary near Pawlet, VT | 04280300 | 2.95 | 1963-74 |
| East Creek near Rutland, VT | 04281000 | a47 | 1911-13 |
| East Creek at Rutland, VT | 04281500 | 51.1 | 1940-77 |
| Lewis Creek Tributary at Starksboro, VT | 04282700 | 5.31 | 1963-74 |

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

Discontinued surface-water discharge stations--Continued

| Station Name | Station Number | Drainage Area (mi ²) | Period of Record (water years) |
|--|----------------|----------------------------------|--------------------------------|
| ST. LAWRENCE RIVER BASIN--continued | | | |
| Mollys Brook near Marshfield, VT | 04283000 | a24 | 1920-23 |
| Jail Branch at East Barre, VT | 04284000 | 38.9 | 1920-23, 1933-92 |
| Dog River at Northfield, VT | 04286500 | a52 | 1909-20, 1928-34 |
| Sunny Brook near Montpelier, VT | 04287300 | 2.31 | 1963-74 |
| Winooski River at Richmond, VT | 04289500 | 985 | 1903-07, 1910 |
| Green River at Garfield, VT | 04291000 | a18 | 1915-21, 1922-32 |
| Lamoille River at Cadys Falls, VT | 04291500 | 268 | 1913-23 |
| Stony Brook near Eden, VT | 04292100 | 4.21 | 1963-74 |
| Brownington Branch near Evansville, VT | 04296200 | 2.15 | 1963-74 |

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WATER RESOURCES DATA FOR NEW HAMPSHIRE AND VERMONT
DISCONTINUED SURFACE-WATER-QUALITY NETWORK STATIONS

The following continuous-record surface-water-quality stations have been discontinued. Daily records of water temperature (wt), specific conductance (sc), and dissolved oxygen (do), were collected and published for the period of record shown for each station.

Discontinued continuous-record surface-water-quality stations

| Station Name | Station Number | Drainage Area (mi ²) | Type of record | Period of record (water years) |
|--|----------------|----------------------------------|----------------|--------------------------------|
| Merrimack River at Concord, NH | 01088400 | 2300 | sc,wt | 1980-1982 |
| Connecticut River at Wells River, VT | 01138500 | 2644 | sc,wt | 1980-1982 |
| Connecticut River at N. Walpole, NH | 01154500 | 5493 | sc,wt | 1981 |
| Connecticut River at Walpole, NH | 01155050 | 5612 | sc,wt | 1975-1980 |
| West River at Newfane, VT | 01156000 | 308 | wt | 1960-1965 |
| South Branch Ashuelot River at Webb, near Marlborough, NH | 01160000 | 36.0 | wt, sc | 1954-1978 |
| Beaver Brook at Wilmington, VT | 01167800 | 6.38 | wt,sc | 1972-1977 |
| Winooski River above Chase Mill at Burlington, VT | 04290550 | -- | wt,sc,do | 1979-1981 |
| Winooski River below Chase Mill at Burlington, VT | 04290560 | -- | wt,sc,do | 1979-1982 |
| Black River at Coventry, VT | 04296000 | 122 | wt,sc | 1978-1981 |
| Clyde River at Newport, VT | 04296500 | 142 | wt,sc | 1975-1978 |