

A Report on the Water Quality Data Obtained From The
15 U. S. Environmental Protection Agency - U. S. Geological
Survey Cooperative Monitoring Stations Located in New England
England (USEPA - Region I) (1967 to 1973)

I. PREFACE

I. PREFACE

This report will present water quality data obtained from the 15 U. S. Environmental Protection Agency (EPA) - U. S. Geological Survey (USGS) Cooperative Monitoring Stations located in EPA Region I. The USGS is responsible for collecting and analyzing the water samples from each station, as well as entering the data into the EPA STORET data system. The entire program is operated through EPA funds.

The 15 EPA-USGS Cooperative Monitoring Stations have been sampled at various frequencies (see Section II) since August 1969. Previously the three (3) Connecticut River stations and the Merrimack River station had been sampled by EPA in conjunction with the states.

Introduction

The following is an abstract of "A Report on the Water Quality Data Obtained from the 15 U.S. Environmental Protection Agency - U.S. Geological Survey Cooperative Monitoring Stations located in New England (U.S. EPA - Region I), 1967 to 1973". The contents of this report are summarized in the attached Table of Contents. Section I (Preface) and Section II (Parameter Coverage and Frequency of Sampling) are presented as they appear in the text of the report. Section III of this abstract contains only the station locations, basin maps and recorded water quality standard violations for the given stations. The text of the report contains all available raw data from each station in two forms, graphical presentations of a number of the parameters and tabular presentations of all the raw data.

The raw data from any of these stations may be examined by contacting Inventory and Monitoring Section, U. S. EPA Region I (617-223-7370).

TABLE OF CONTENTS

Section I.	Preface
Section II.	Parameter Coverage and Frequency of Sampling
Section III.	Physical, Chemical and Biological Data
	A. Androscoggin River Basin - One (1) station
	a. Station Location
	b. Water Quality Standards Data
	i. Graphic Presentation of the Data
	ii. Violations of Standards
	iii. Data
	c. Other Significant Data
	i. Graphic Presentation of Selective Parameters
	ii. Data
	B. Connecticut River Basin - Three (3) stations
	1. Connecticut River at Wilder, Vermont
	a. Station Location
	b. Water Quality Standards Data
	i. Graphic Presentation of the Data
	ii. Violations of Standards
	iii. Data

- c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data
- 2. Connecticut River at Northfield, Mass.
 - a. Station Location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data
- 3. Connecticut River at Thompsonville, Connecticut
 - a. Station Location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data

C. Merrimack River Basin - Two (2) stations

1. Pemigewasset River at Woodstock, New Hampshire

a. Station Location

b. Water Quality Standards Data

i. Graphic Presentation of the Data

ii. Violations of Standards

iii. Data

c. Other Significant Data

i. Graphic Presentation of Selective Parameters

ii. Data

2. Merrimack River at Lowell, Mass.

a. Station Location

b. Water Quality Standards Data

i. Graphic Presentation of the Data

ii. Violations of Standards

iii. Data

c. Other Significant Data

i. Graphic Presentation of Selective Parameters

ii. Data

D. Narragansett Bay Basin - Five (5) stations

1. Providence River near Providence, Rhode Island

a. Station Location

b. Water Quality Standards Data

i. Graphic Presentation of the Data

ii. Violations of Standards

iii. Data

c. Other Significant Data

i. Graphic Presentation of Selective Parameters

ii. Data

2. Providence River near Warwick, Rhode Island

a. Station Location

b. Water Quality Standards Data

i. Graphic Presentation of the Data

ii. Violations of Standards

iii. Data

c. Other Significant Data

i. Graphic Presentation of Selective Parameters

ii. Data

3. Mt. Hope Bay near Bristol, Rhode Island
 - a. Station Location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data
4. West Passage, Narragansett Bay
 - a. Station Location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data

- 5. East Passage, Narragansett Bay
 - a. Station Location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data
- E. Presumpscot River and Casco Bay - Two (2) stations
 - 1. Presumpscot River at Rte. 1 Bridge, Maine
 - a. Station Location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data

2. Portland Harbor near Fish Pt., Maine
 - a. Station Location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data
- F. St. Croix River Basin - One (1) station
 1. St. Croix River at Milltown, Maine
 - a. Station location
 - b. Water Quality Standards Data
 - i. Graphic Presentation of the Data
 - ii. Violations of Standards
 - iii. Data
 - c. Other Significant Data
 - i. Graphic Presentation of Selective Parameters
 - ii. Data

G. Upper Hudson River Basin - One (1) station

1. Hoosic River below Williamstown, Mass.

a. Station Location

b. Water Quality Standards Data

i. Graphic Presentation of the Data

ii. Violations of Standards

iii Data

c. Other Significant Data

i. Graphic Presentation of Selective Parameters

ii. Data

II. PARAMETER COVERAGE AND FREQUENCY OF SAMPLING

The following table describes the sampling frequency of the various major groups of parameters for the individual sampling stations. The sampling frequencies are:

M	-	Monthly
Q	-	Quarterly
S	-	Semi-annual
A	-	Annual

The eight digit number appearing below the station description is the STORET station number for that particular station.

STATIONS	PHYSICAL	OXYGEN RELATED	SOLIDS AND SEDIMENTS	NUTRIENTS CARBON	HARDNESS AND COMMON IONS	METALS	RADIO- LOGICAL	BACTERIO LOGICAL
Androscoggon River At Gilead, Maine 01054250	M	M	A	M	A	A	A	M
Connecticut River At Wilder, Vermont 01141900	M	M	A	M	A	S	A	M
Connecticut River At Northfield, Mass. 01161200	M	M	A	M	A	S	A	M
Connecticut River At Thompsonville, Ct. 01184000	M	M	S	M	M	M	Q	M
Remigewasset River At Woodstock, N.H. 01075000	M	M	A	M	A	A	A	M
Merrimack River Above Lowell, Mass. 01097550	M	M	A	M	A	S	A	M
Providence River Near Warwick, R.I. 01115050	Q	Q	A	Q	A	S	A	Q
Providence River Near Providence, R.I. 01116630	Q	Q	A	Q	A	S	A	Q
Mt. Hope Bay Near Bristol, R.I. 01109150	Q	Q	A	Q	A	S	A	Q
East Passage, R.I. Narragansett Bay 01117160	Q	Q	A	Q	A	S	A	Q
West Passage, R.I. Narragansett Bay 01117150	Q	Q	A	Q	A	S	A	Q
Portland Harbor Near Fish Pt., Maine 01064160	Q	Q	A	Q	A	A	A	Q
Presumpscot River At Rt. 1 Bridge, Maine 01064150	Q	Q	A	Q	A	A	A	Q
St. Croix River At Milltown, Maine 01021050	M	M	A	M	A	S	A	M
Hoosic River below Williamstown, Mass. 01333300	M	M	A	M	A	A	A	M

STATIONS	TOXINS	BIO-LOGICAL	OIL AND GREASE	CYANIDE	PHENOLS	MBAS	CHLORIDE	PCBS
Androscoggin River At Gilead, Maine 01054250	A		A	A	A	M	A	
Connecticut River At Wilder, Vt. 01141900	A		A	A	A	M	A	A
Connecticut River At Northfield, Mass. 01161200	A		A	A	A	M	A	A
Connecticut River At Thompsonville, Ct. 01184000	Q		A	A	A	M	M	Q
Remigewasset River At Woodstock, N.H. 01075000	A		A	A	A	M	A	A
Merrimack River Above Lowell, Mass. 01096550	A		A	A	A	M	A	A
Providence River Near Providence, R.I. 01115050	A		A	A	A	Q	A	
Providence River Near Warwick, R.I. 01116630	A		A	A	A	Q	A	
Mt. Hope Bay Near Bristol, R.I. 01109150	A		A	A	A	Q	A	
East Passage, R.I. Narragansett Bay 01117160	A		A	A	A	Q	A	
West Passage, R.I. Narragansett Bay 01117150	A		A	A	A	Q	A	
Portland Harbor Near Fish Pt., Maine 01064160	A		A	A	A	Q	A	
Presumpscot River At Rt. 1 Bridge, Maine 01064150	A		A	A	A	Q	A	
St. Croix River At Milltown, Maine 01021050	A		A	A	M	M	A	
Hoosic River below Williamstown, Ma. 01333300	A		A	A	A	M	A	A

III. A. ANDROSCOGGIN RIVER BASIN

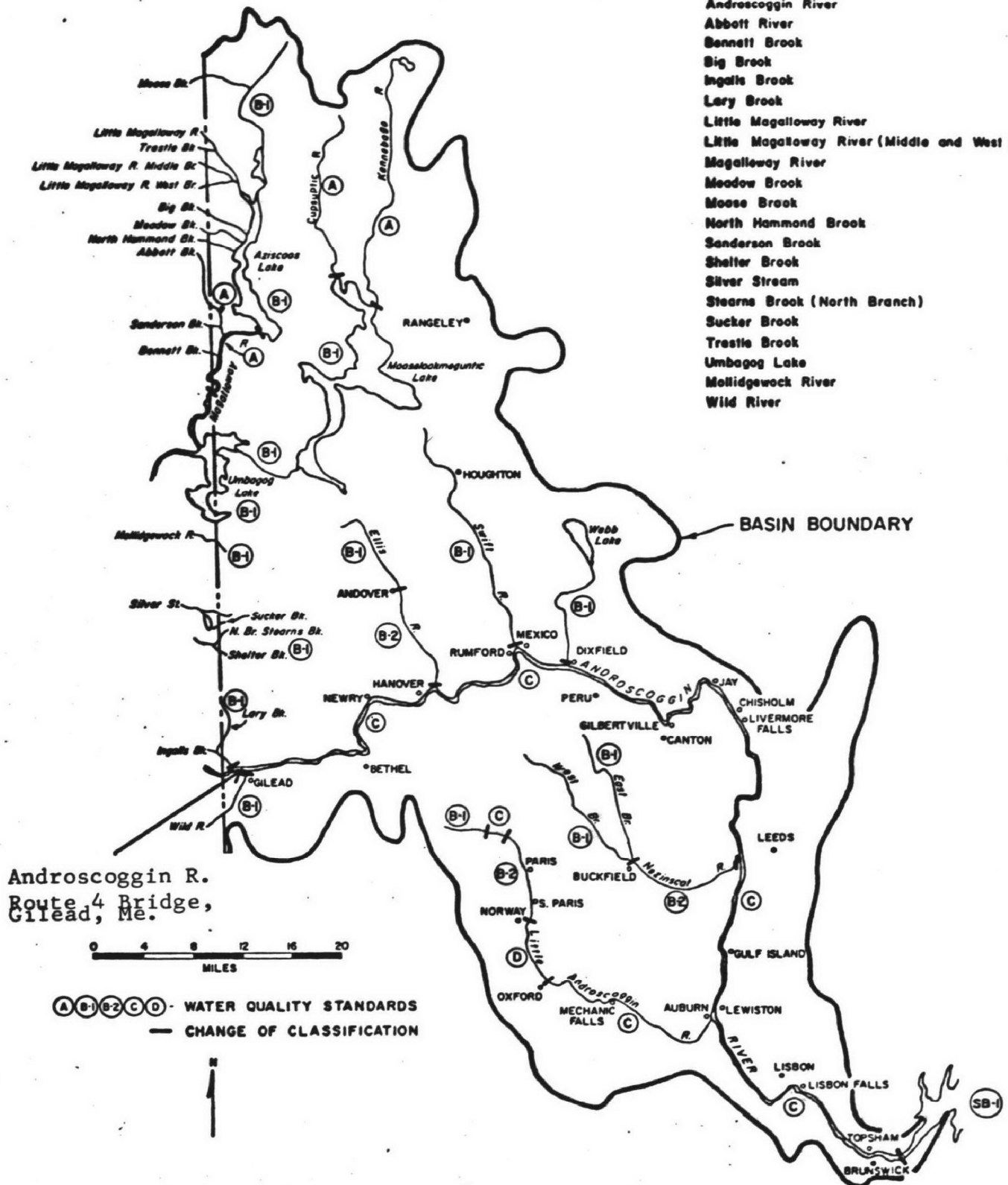
1. Androscoggin River at Gilead, Maine

a. STATION LOCATION:

Storet Station Number:	01054250
Minor Basin	Androscoggin River
Sub Basin	Main Stem
Station Location	Gilead, Maine
Station Description	At Route 4 Bridge, 2.6 Miles downstream of New Hampshire- Maine State line
Station Latitude and Longitude	44° 23' 52", 70° 58' 23"
Drainage area	Approx. 1500 Sq. Miles
Flow	Aug. Ave. = 1,900 C.F.S. May Ave. = 3,000 C.F.S.
State Water Quality Classification	"C" (Suitable for boating and fishing, for fish and wildlife habitat, water supplies with adequate treatment)

INTERSTATE STREAMS WITH FEDERALLY
APPROVED WATER QUALITY STANDARDS

Androscoggin River
Abbott River
Bennett Brook
Big Brook
Ingalls Brook
Lery Brook
Little Magalloway River
Little Magalloway River (Middle and West Br.)
Magalloway River
Meadow Brook
Moose Brook
North Hammond Brook
Sanderson Brook
Shelter Brook
Silver Stream
Stearns Brook (North Branch)
Sucker Brook
Trestle Brook
Umbagog Lake
Mollidgewock River
Wild River



WATER QUALITY STANDARDS
ADOPTED BY
STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ANDROSCOGGIN RIVER BASIN CLASSIFICATION

01054250
 00 00 00.0 000 00 00.0
 ANDROSCOGGIN RIVER AT GILEAD, ME
 23

112WHD
 2

2111204
 0000 FEET DEPTH

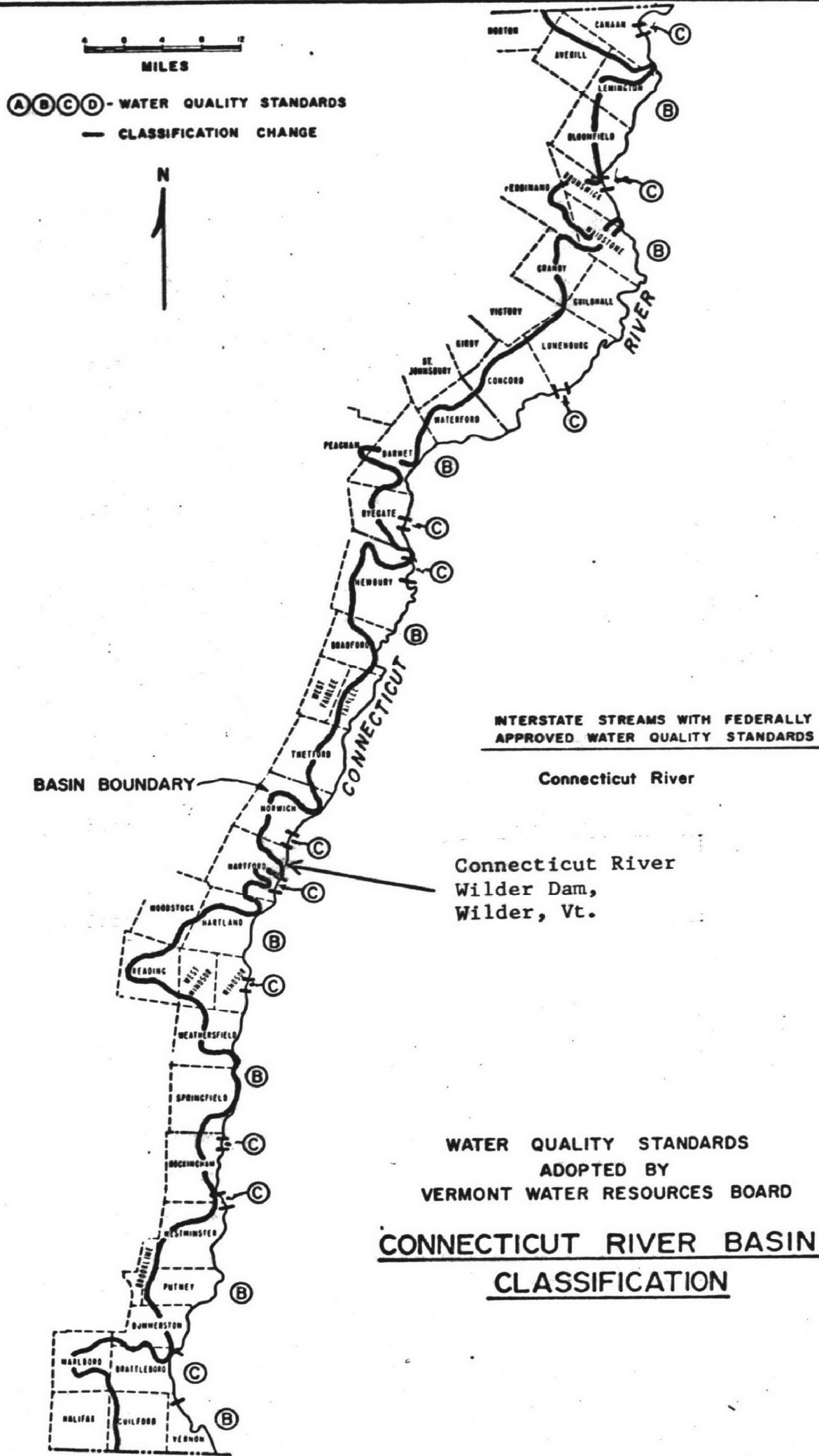
DATE - TIME	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	31616 FEC COLI MFIM-FCHW /100ML	00550 OIL-GHSE TOT-SXLI MG/L	00530 RESIDUE TOT NPLI MG/L
69/08/19 1200			40000.*			
69/09/08 1230			76000.*			8.000*
69/10/29 1030			5200.*			
70/05/25 1030			5100.*		1.000*	
70/06/24 1100			22000.*			
70/07/30 1130	3.700*		10000.*			
70/08/24 1130			39000.*			
70/09/24 1200			16000.*			
71/04/29 1230			20000.*			
71/07/28 1145			26000.*			
71/08/26 1216			14000.*			
71/09/28 1100			56000.*		2.000*	13.000*
71/10/26 1315			16000.*			
72/05/30 1045			13000.*			
72/09/26 1145						8.000*
72/10/26 1045			5100.*			
73/04/25 1015			20000.*			

III. B. CONNECTICUT RIVER BASIN

1. Connecticut River at Wilder, Vermont

a. STATION LOCATION:

Storet` Station Number	01141900
Minor Basin	Connecticut River
Sub Basin	Main Stem
Station Location	Wilder, Vermont
Station Description	At Wilder Dam
Station Latitude and Longitude	43° 40' 04", 72° 18' 13"
Drainage area	4,092 Sq. Miles
Flow	Aug. Ave. = 4,000 C.F.S May Ave. = 9,000 C.F.S
State Water Quality Classification	"B" (Suitable for bathing and water recreation, irrigation, good fish habitat, public water supply with filtration and disinfection)



01141400
 43 40 04.0 072 14 13.0
 CONNECTICUT RIVER AT WILDER VT
 50

112WKO
 2

2111204
 0000 FEET DEPTH

DATE	TIME	00700 MG/L	00400 SU	31616 FEC COLI MPM-FCMR /100ML	00550 OIL-GRSE TOI-SALT MG/L	00530 RESIDUE TOI NFLI MG/L	00720 CYANIDE CN MG/L	39370 DIT WHL SMPL UG/L	39740 2+4+5-T WHL SMPL UG/L	71890 MERCURY MG DISS UG/L	01025 CADMIUM CD DISS UG/L
69/09/16	0930					4.0000*			0.0100*		
70/04/09	0900				600.0000*		0.0100*				
70/09/04	1500	5.600*									
70/09/04	1501	5.600*									
70/09/01	0900	5.600*			69.0000*	2.0000*	0.0300*			0.1000*	
70/09/01	0901	5.600*									
71/05/08	0900	5.000*									
71/09/14	1600					2.0000*				3.4000*	
72/09/12	1500					1.0000*					
72/09/12	1600	5.800*				1.0000*	0.0100*				

WATER Q
VIOLATIO

VIOLATIONS 7/1/92
LY

SIN 1 PAGE 1.1

01141900
43 40 04.0 072 14 13.0
CONNECTICUT RIVER AT WILDER VT
50

112WRD
2

2111204
0000 FEET DEPTH

DATE	TIME	01040 COPPER CU-DISS UG/L	01030 CHROMIUM CR-DISS UG/L	01046 IRON FE-DISS UG/L	01049 LEAD PB-DISS UG/L	01090 ZINC ZN-DISS UG/L	01056 MANGANESE MN-DISS UG/L	01065 NICKEL NI-DISS UG/L	01075 SILVER AG-DISS UG/L	01000 ARSENIC AS-DISS UG/L
70/09/01	0900						80.00*			
70/12/07	1530						65.00*			
71/01/01	0184						69.00*			
71/07/12	0219						76.00*			
72/09/12	1600						60.00*			

2. Connecticut River at Northfield, Mass.

a. STATION LOCATION:

Storet Station Number	01161200
Minor Basin	Connecticut River
Sub Basin	Main Stem
Station Location	Northfield, Massachusetts
Station Description	At Route 142 bridge
Station Latitude and Longitude	42° 42' 44", 72° 27' 14"
Drainage area	6,686 Sq. miles
Flow	Aug. Ave. = 5,000 C.F.S. May Ave. = 50,000 C.F.S.
State Water Quality Classification	"B" (Suitable for bathing and water contact recreation, public water supply with treatment, agriculture, industrial cooling and processing, excellent fish and wildlife habitat.)

0011 24010401 011-
 42 42 24.0 072 2/ 36.0
 CONNECTICUT RIVER HLW NORTHFIELD
 25 MASSACHUSETTS
 NORTHEAST
 CONNECTICUT RIVER
 1110NE1

2111204
 0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	00550 OIL-GHSE TOT-SXLI MG/L	00530 RESIDUE TOT NFLI MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-T P-WET MG/L	32730 PHENOLS UG/L	00070 TURB JKSN JTU
7/01/03									0.2800*		100.000*
7/01/09											50.000*
7/01/16											30.000*
7/02/06									0.0500*		
7/04/03									0.0600*		
7/08/07									0.0500*		
7/10/16											51.000*
7/10/23				3.600*							112.000*
7/10/30											34.000*
7/12/04									0.0700*		
8/04/01									0.0500*		

112WRU
2

2111204
0000 FEET DEPTH

[illegible]

01161200
 42 42 44.0 072 2/ 14.0
 CONNECTICUT RIVER AT NORTFIELD
 25

112WRD
 2

2111204
 0000 FEET DEPTH

DATE	TIME	71486 TOTAL P AS P04 MG/L	00301 NO SATUR PERCENT	31501 TOT COLI MFIMENDO /100ML
69/08/20	1500			4700.*
69/09/16	1315			5300.*
69/10/07	1230			4400.*
69/10/07	1231			4400.*
69/11/04	1000			35000.*
69/11/04	1001			35000.*
69/12/09	1215			6000.*
69/12/09	1216			6000.*
70/04/07	0900			1800.*
70/04/07	0901			1800.*
70/05/05	2000			2500.*
70/05/05	2001			2500.*
70/06/09	1230			20000.*
70/06/09	1231			20000.*
70/07/15	0930			12000.*
70/07/15	0931			12000.*
70/08/04	1800			82000.*
70/08/04	1801			82000.*
70/09/01	1400			7700.*
70/09/01	1401			7700.*
70/10/06	1400			20000.*
70/11/07	0915			4000.*
71/05/05	0830			1300.*
71/06/09	1800			1800.*
71/07/13	1500	0.1200*		
71/08/10	1700	0.1200*		
71/09/15	1000	0.0900*		2000.*
71/10/05	1800	0.1200*		2700.*
71/11/02	1200	0.1200*		7000.*
72/05/01	1700			1200.*
72/07/12	0900			27000.*
72/10/02	1400			16000.*
72/11/07	1400			3600.*
72/12/05	1230			1800.*

3. Connecticut River at Thompsonville, Mass.

a. STATION LOCATION:

STORET Station Number	01184000
Minor Basin	Connecticut River
Sub Basin	Main Stem
Station Location	Northfield, Ct.
Station Description	At Route 142 Bridge
Station Latitude and Longitude	41° 59' 14", 72° 36' 21"
Drainage Area	9661 Sq. Miles
Flow	Aug. Ave = 3,500 C.F.S. May Ave. = 50,000 C.F.S.
State Water Quality Classification	"C" (Suitable for recreational boating, fish and wildlife habitat, industrial processes and cooling, public water supply with treatment)

M A S S A C H U S E T T S

Connecticut River
At Conn. L. &
Dam, Enfield, Ct.



INTERSTATE STREAMS
WITH FEDERALLY APPROVED
WATER QUALITY STANDARDS

CONNECTICUT RIVER
SCANTIC RIVER
FARMINGTON RIVER (SEE FIGURE 3)
WATCHAUG BROOK

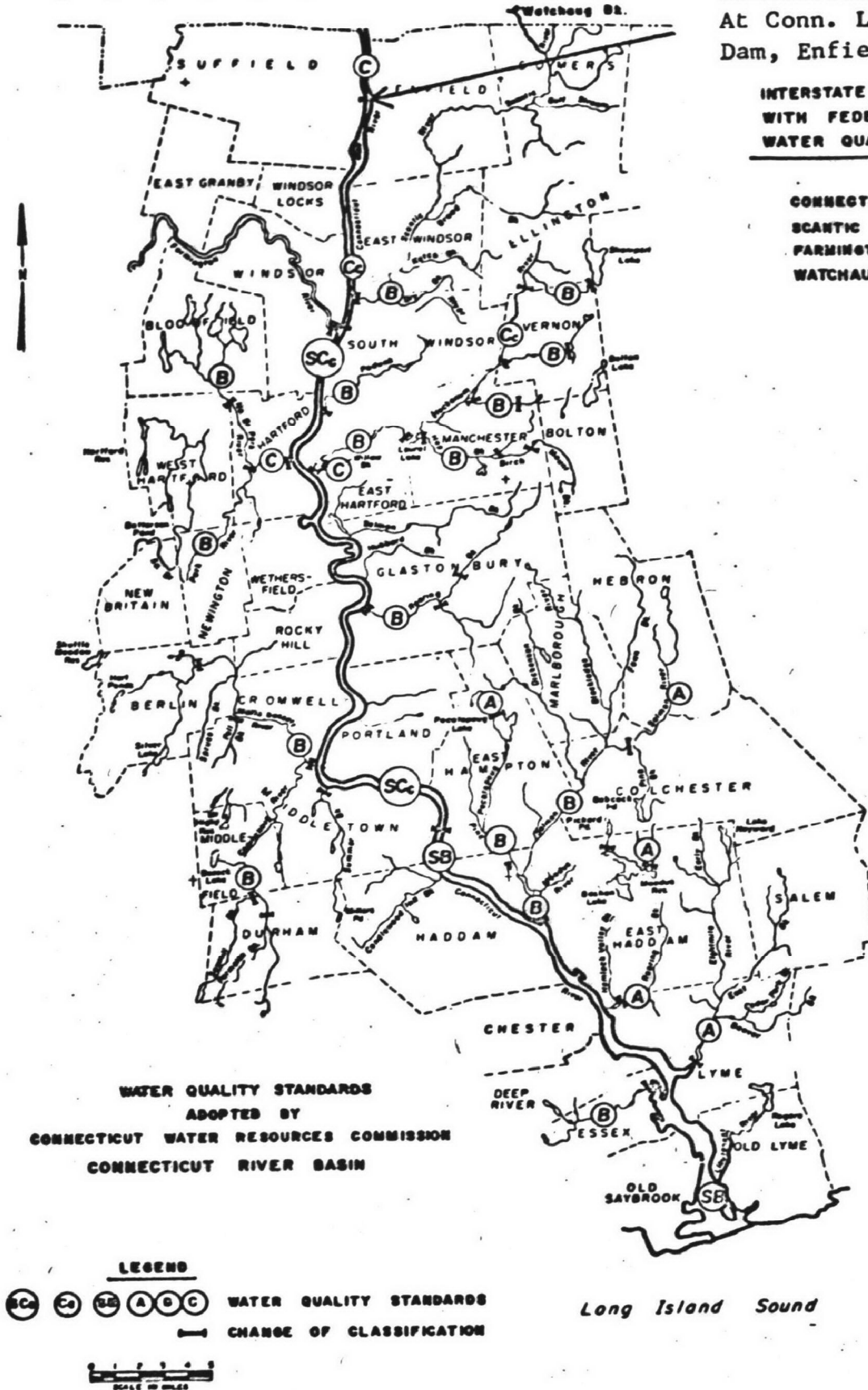


FIGURE 2

WATER QUALITY
VIOLATION

VIOLATIONS 73/ 9/ 4
LY

STN 1 PAGE 1.1

080002 08010402 082-
41 59 25.0 072 36 21.0
CONNECTICUT RIVER AT ENFIELD DAM
09 CONNECTICUT
NORTHEAST
CONNECTICUT RIVER
1110NET 2111204
4 0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML
68/07/17		70.00*				
69/04/23					5.500*	

01184000
 41 59 14.0 072 36 21.0
 CONNECTICUT RIVER AT THOMPSONVIL
 09

112WRU
 2

6111204
 0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT CULI MFIMENUU /100ML
68/09/10	1646			3.700*		123000.*
68/10/12	1601					24200.*
68/11/16	1246					35000.*
69/01/16	0846					40000.*
69/03/11	1346					30000.*
69/04/15	1431					52000.*
69/05/13	1526					29000.*
69/06/10	0746					110000.*
69/08/18	0755					130000.*
69/09/17	0930					180000.*
69/09/17	0931					180000.*
69/10/07	0730					420000.*
69/10/07	0731					420000.*
69/11/05	0845					43000.*
69/11/05	0846					43000.*
69/12/04	0900					48000.*
69/12/04	0901					48000.*
70/01/05	0930					32000.*
70/01/05	0931					32000.*
70/02/04	1030					13000.*
70/02/04	1031					13000.*
70/03/04	0845					12000.*
70/03/04	0846					12000.*
70/04/07	0930					9700.*
70/04/07	0931					9700.*
70/05/06	0900					15000.*
70/05/06	0901					15000.*
70/06/04	0800					190000.*
70/06/04	0801					190000.*
70/07/08	0800					54000.*
70/07/08	0801					54000.*
70/08/10	0800					110000.*
70/08/10	0801					110000.*
70/09/08	0930					38000.*
70/09/08	0931					38000.*
70/10/15	0506					260000.*
70/11/12	0910					480000.*
70/11/12	0911					480000.*
70/12/10	0800					6300.*
70/12/10	0901					130000.*

WATER
VIOLA

ITY VIOLATIONS 73/ 9/ 4
ONLY

STN 1 PAGE

01184000
41 59 14.0 072 36 21.0
CONNECTICUT RIVER AT THOMPSONVIL
09

112WRU
2

6111204
0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML
71/01/14	0955					146000.*
71/01/14	0956					146000.*
71/01/14	0956					150000.*
71/02/11	0935					60000.*
71/02/11	0936					60000.*
71/03/11	1000					25000.*
71/03/11	1001					25000.*
71/05/13	0821					20000.*
71/06/10	0901					78000.*
71/07/15	0921					25000.*
71/08/19	0816					100000.*
71/09/16	1006					110000.*
71/10/14	0856					160000.*
71/11/11	0946					380000.*
71/12/09	0926					26000.*
72/01/13	1021					7800.*
72/02/10	0916					40000.*
72/03/09	0941					58000.*
72/04/13	0946					10000.*
72/05/08	0946					2000J.*
72/09/14	0831					40000.*
72/11/16	1131					58000.*
73/01/11	1000					18000.*
73/02/08	0951					5400.*
73/03/08	1030					6000.*
73/03/08	1031					6000.*

III. C MERRIMACK RIVER BASIN

1. Pemigewasset River near Woodstock, New Hampshire

a. STATION LOCATION:

~~STORET~~ Station Number

0.075000

Minor Basin

Merrimack River

Sub Basin

Pemigewasset River

Station Location

Woodstock, New Hampshire

**Station Latitude and
Longitude**

43° 58' 34", 71° 40' 48"

Drainage Area

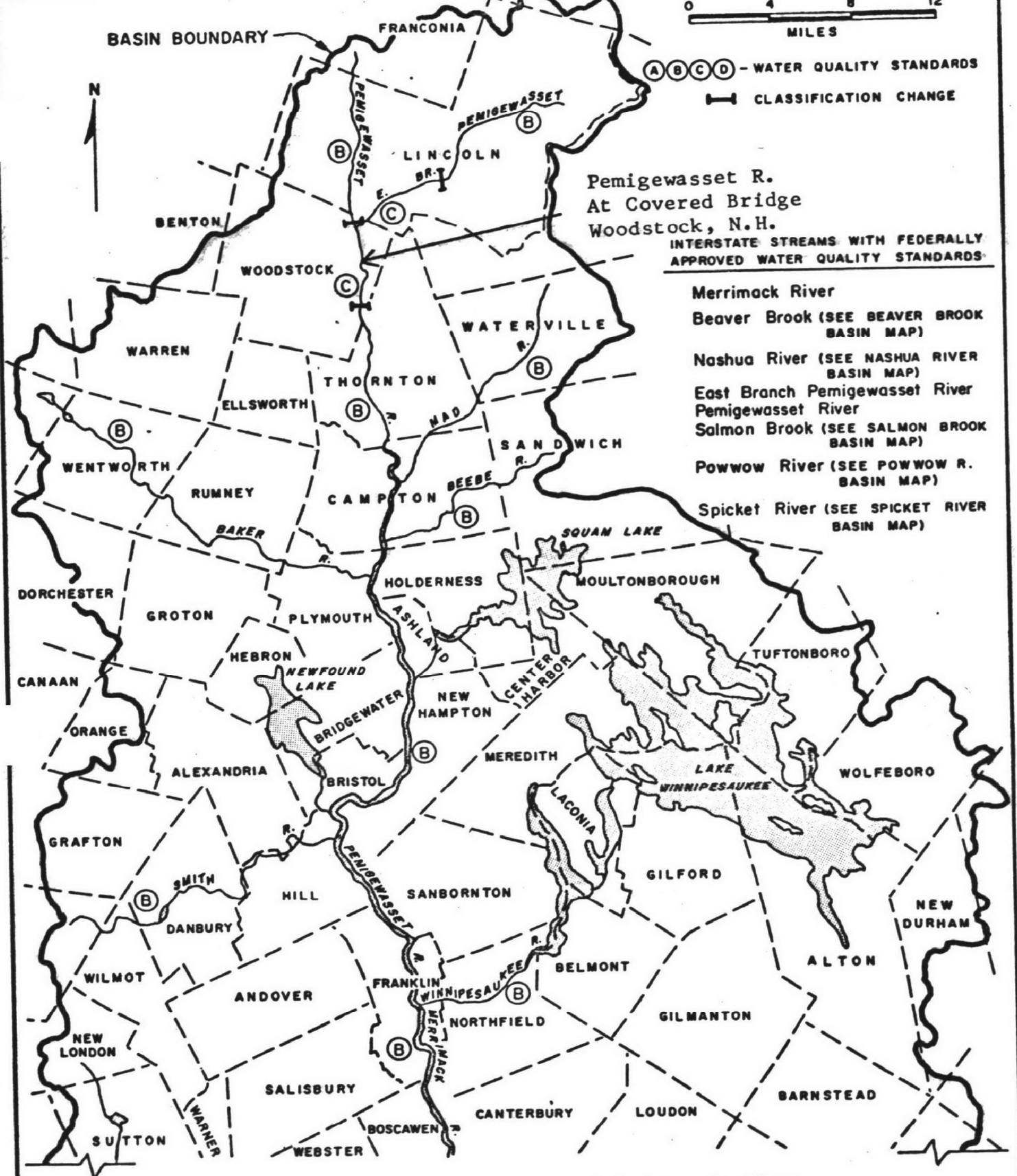
193 Sq. miles

Flow

**Aug. Ave. = 110 C.F.S.
May Ave. = 3,000 C.F.S.**

**State Water Quality Classifi-
cation**

**"C" (Suitable for recreational
boating, fishing, industrial
water supply)**



**NOTE: The Basin Has Been Prepared In Two Sections,
The Northern And Southern Sections.**

**WATER QUALITY STANDARDS
ADOPTED BY
NEW HAMPSHIRE WATER SUPPLY AND POLLUTION CONTROL COMMISSION**

**NORTHERN SECTION
MERRIMACK RIVER BASIN CLASSIFICATION**

FIGURE 9

01075000
 43 58 34.0 071 40 48.0
 PEMIGEWASSET RIVER AT WOODSTOCK
 33

112WNU
 2

2111204
 0000 FEET DEPTH

DATE	TIME	00530 RESIDUE TOT NFLT MG/L	00550 OIL-GRSE TOT-SXLT MG/L	00070 TURB JKSN JTU	00300 DO MG/L	00400 PH SU
69/04/19	1900					5.800*
69/09/15	1800	12.000*			4.400*	4.800*
69/10/08	1530			15.000*		4.400*
69/10/06	1531					4.400*
70/05/05	1230					5.150*
70/05/05	1231					5.150*
70/06/08	1530		210.000*			4.600*
70/06/08	1531					4.600*
70/08/31	2000	2.000*	1.000*			
71/05/04	1000					5.100*
71/06/07	1700					5.600*
71/09/14	1100	2.000*				
72/09/12	1100	2.000*	0.0 *			

2. Merrimack River above Lowell, Massachusetts

a. STATION LOCATION:

STORET Station Number	01096550
Minor Basin	Merrimack River
Sub Basin	Main Stem
Station Location	Above Lowell, Massachusetts
StationnDescription	Six (6) miles downstream of New Hampshire-Massachusetts State line at Lowell Water Plant Intake
Station Latitude and Longitude	42° 38' 20", 71° 22' 17"
Drainage area	4425 Sq. Miles
Flow	Aug. Ave. = 1,900 C.F.S. May Ave. = 2,400 C.F.S.
State Water Quality Classification	"B" (Suitable for bathing and water recreation, public water supply with treatment, agri- culture, industrial cooling and processing, excellent fish and wildlife habitate.)

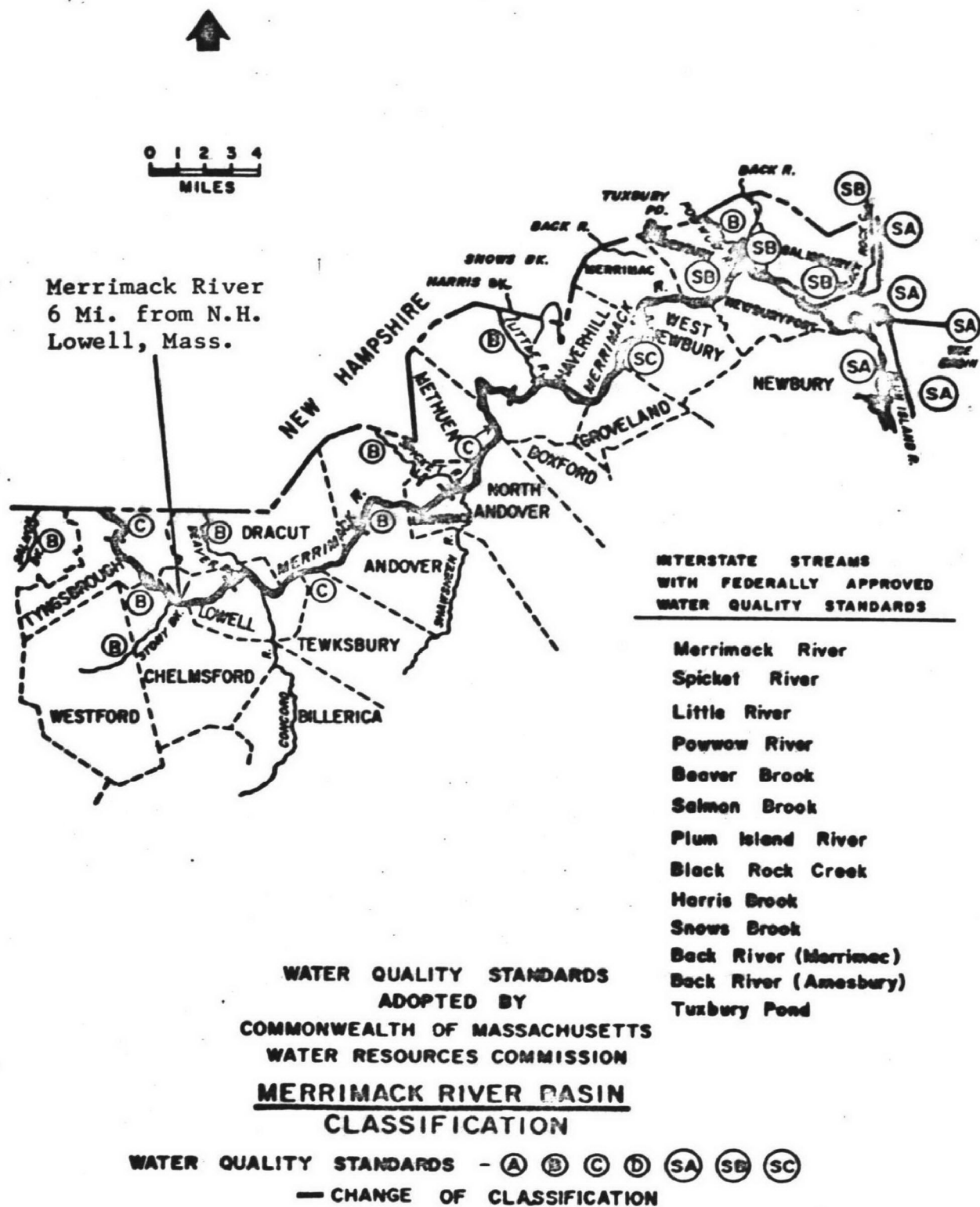


FIGURE 15

2 4 24010901 019-
42 38 20.0 071 22 17.0
MERRIMACK RIVER ABOVE LOWELL
.25 MASSACHUSETTS
NORTHEAST
MERRIMACK RIVER
1110NE1

2111204
0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	00550 OIL-GRSE TOT-SALI MG/L	00530 RESIDUE TOT NFLT MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-T P-WET MG/L	32730 PHENOLS UG/L
01/09					6.300*						
01/16					6.300*				0.600*		
02/13					6.300*				0.800*		
02/20					6.100*				0.600*		
02/28					6.200*						
03/09									0.700*	0.1200*	
03/16					5.500*				0.600*		
03/27											
04/04					6.100*					0.2100*	
04/17					6.300*						
05/02										0.0800*	
07/12									0.600*		
08/15									0.800*		
08/22				4.700*	6.400*				0.600*		
09/05									1.200*		
09/19									1.600*		
09/25				4.800*					1.700*		
10/03										0.1700*	
10/10									1.900*		
10/16									0.700*		
10/31					6.500*						
11/07										0.0900*	
11/19									0.800*		
11/27					5.700*				0.600*		
12/05										0.1600*	
12/19					6.400*						
01/03									0.800*	0.1000*	
01/10					6.300*				0.600*		
01/24					6.500*				0.700*		
01/29					6.500*				0.600*		
02/06										0.0800*	
02/14									0.700*		
02/21					6.300*				0.700*		
02/26					6.200*				0.900*		
02/27										0.1300*	
03/06					6.300*				0.800*		
03/12									0.600*		
03/19					6.400*						
03/26										0.0500*	
04/02					6.400*						

240019 24010901 019-
 42 38 20.0 071 22 17.0
 MERRIMACK RIVER ABOVE LOWELL
 25 MASSACHUSETTS
 NORTHEAST
 MERRIMACK RIVER
 1110NE1
 4

2111204
 0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	00550 OIL-GMSE TOT-SALT MG/L	00530 RESIDUE TOT NFLT MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-P P-WET MG/L	32730 PHENOLS UG/L
68/04/08					6.500*						
68/04/16					6.500*						
68/05/07										0.0500*	
68/05/14					6.500*						
68/06/04									0.900*	0.0500*	
68/07/03					6.400*						
68/07/17									1.300*		
68/07/31					8.100*				0.600*		
68/08/08									0.700*		
68/08/13				3.900*					1.000*	0.1500*	
68/08/22									1.600*		
68/08/27										0.2600*	
68/09/04				4.900*							
68/09/10				4.300*					1.800*		
68/09/17									0.800*		
68/09/24				4.800*					1.300*		
68/10/01				4.600*					1.100*	0.2300*	
68/10/08									0.900*		
68/10/15									0.900*		
68/10/22					6.000*				0.600*		
68/10/29					6.300*				0.700*		
68/11/05					6.100*				0.400*		
68/11/12									0.900*		
68/11/19					5.300*						
68/11/22									0.900*		
68/11/26					6.500*				0.600*		
68/12/03					5.900*				0.600*		
68/12/11					6.100*						
68/12/17					6.200*						
69/01/14									0.900*		
69/01/21					6.500*				0.700*		
69/01/29					6.300*				0.600*		
69/02/11					6.400*						
69/02/19					6.500*				0.600*		
69/03/04					6.500*				0.635*	0.0600*	
69/03/11					4.200*						
69/03/19									0.600*		
69/04/01					6.500*						

WATER QUAL
VIOLATIONS

VIOLATIONS 73/ 9/ 4

STN 1 PAGE 3.1

1019 24010901 019-
42 38 20.0 071 22 17.0
MERRIMACK RIVER ABOVE LOWELL
25 MASSACHUSETTS
NORTHEAST
MERRIMACK RIVER
1110NET

2111204
0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	00550 OIL-GHSE TOT-SXLI MG/L	00530 RESIDUE TOT NFLI MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-P P-WET MG/L	32730 PHENOLS UG/L
69/04/08					6.200*						
69/04/15					6.100*						
69/04/29					6.300*						

1096550
42 38 20.0 071 22 17.0
MERRIMACK RIVER ABOVE LOWELL MAS
25

112WNU
2

2211204
0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	00550 OIL-GHSE TOT-SXLI MG/L	00530 RESIDUE TOT NFLT MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-P P-WET MG/L	32730 PHENOLS UG/L
69/08/19	0930					77000.*				0.1500*	
69/09/19	1000					32000.*		10.000*	1.200*	0.1600*	
69/10/06	0900					34000.*				0.2000*	
69/10/06	0901					34000.*					
69/11/03	1100					72000.*				0.2100*	
69/11/03	1101					72000.*					
69/12/08	0900					43000.*				0.1100*	
69/12/08	0901					43000.*					
70/01/12	0930					17000.*				0.0800*	
70/01/12	0931					17000.*					
70/02/02	1100					15000.*				0.1200*	
70/02/02	1101					15000.*					
70/03/11	1030					15000.*				0.0800*	
70/03/11	1031					15000.*					
70/04/06	1130					5900.*				0.0600*	
70/04/06	1131					5900.*					
70/05/04	1500				6.450*	37000.*				0.1000*	
70/05/04	1501				6.450*	37000.*					
70/06/08	1130					42000.*	330.000*			0.1500*	1.0000*
70/06/08	1131					42000.*					
70/07/14	0900					53000.*				0.5300*	
70/07/14	0901					53000.*					
70/08/03	1000			4.600*		40000.*				0.2100*	
70/08/03	1001			4.600*		40000.*					
70/08/31	1000					3200.*	9.000*	7.000*	0.900*	0.2300*	14.0000*
70/08/31	1001					3200.*					
70/10/05	1100					180000.*				0.1300*	
70/11/02	0900					24200.*				0.1500*	
70/12/07	1000					27000.*				0.1200*	
71/01/05	1200					115000.*				0.1400*	
71/02/08	0900					77000.*				0.1800*	
71/03/02	1000					26000.*				0.1000*	
71/04/05	1000					8000.*				0.1200*	
71/05/03	1000				6.200*	21000.*				0.0500*	
71/06/07	0900					46000.*				0.1000*	
71/07/13	1000					16000.*			1.800*	0.2700*	
71/08/09	0900					18700.*			0.510*	0.1800*	
71/09/13	1600					41000.*	5.000*	6.000*	2.000*	0.2400*	
71/10/04	1200					15000.*				0.1900*	
71/11/01	1200					25300.*				0.1700*	

01046550
 42 38 20.0 071 22 17.0
 MERRIMACK RIVER ABOVE LOWELL MAS
 25

DATE	TIME	112WRD 2		2211204 0000 FEET DEPTH							
		00010 WATER TEMP CENT	00011 WATER TEMP FARN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	00550 OIL-GHSE TOT-SXLI MG/L	00530 RESIDUE TOT NFLT MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-T P-WET MG/L	32730 PHENOLS UG/L
71/12/06	1100					36000.*				0.1900*	
72/01/03	0900					5400.*				0.0980*	
72/02/07	1200					20000.*				0.1100*	
72/03/06	1400					6900.*				0.1000*	
72/04/03	0900					22000.*				0.0500*	
72/05/02	0900					18000.*				0.0550*	
72/06/12	1400					91000.*				0.0890*	
72/07/11	1330					44000.*				0.1160*	
72/09/11	1100					120000.*	10.000*	9.000*	1.800*	0.1900*	9.0000*
72/09/11	1400							7.000*			
72/10/03	1015					30000.*				0.1900*	
72/11/06	1000					260000.*				0.1220*	
72/12/05	0800					34000.*				0.0560*	
73/01/17	0830					26000.*		5.000*		0.0970*	
73/04/09	1330				6.400*	5700.*					
73/06/11	1200					26000.*		6.000*		0.0730*	

QUALITY
IONS ONLY

IONS 73/ 9/ 4

STN 1 PAGE 2.2

240019 24010901 019-
42 38 20.0 071 22 17.0
MERRIMACK RIVER ABOVE LOWELL
25 MASSACHUSETTS
NORTHEAST
MERRIMACK RIVER
1110NE1
4 2111204
0000 FEET DEPTH

TE-- TIME	00070 TURN JKSN JTU	71886 TOTAL P AS P04 MG/L	00301 DO SATUR PERCENT
15	-	5.000*	
22	-	4.000*	
29	-	2.700*	
05	-	1.400*	
19	-	6.000*	
03	-	2.000*	
11	-	3.200*	
18	-	3.200*	
04	-	3.700*	
11	-	4.800*	
19	-	5.200*	
25	-	13.500*	

WATER QUALITY
RELATIONS

RELATIONS 73/ 9/ 4

STN 1 PAGE 1.2

01096550
42 38 20.0 071 22 17.0
MERRIMACK RIVER ABOVE LOWELL MAS
25

112WRD
2

2211204
0000 FEET DEPTH

DATE	TIME	00070 TURB JKSN JTU	71886 TOTAL P AS PO4 MG/L	00301 DO SATUR PERCENT
9/09/15	1000	3.000*		
9/10/06	0900	4.000*		
9/11/03	1100	6.000*		
9/12/08	0900	3.000*		
0/01/12	0930	2.000*		
0/02/02	1100	4.000*		
0/03/11	1030	8.000*		
0/04/06	1130	6.000*		
0/05/04	1500	6.000*		
0/06/08	1130	1.000*		
0/07/14	0900	4.000*		
0/08/03	1000	6.000*		
0/08/31	1000	2.000*		
0/10/05	1100	3.000*		
0/11/02	0900	1.000*		
0/12/07	1000	2.000*		
1/01/05	1200	2.000*		
1/02/08	0900	0.900*		
1/03/02	1000	5.000*		
1/04/05	1000	30.000*		
1/05/03	1000	2.000*		
1/06/07	0900	1.000*		
1/07/13	1000	9.000*	0.8300*	
1/08/09	0900	8.000*	0.5500*	
1/09/13	1600	7.000*	0.7400*	
1/10/04	1200	3.000*	0.5800*	
1/11/01	1200	3.000*	0.5200*	

01096550
42 38 20.0 071 22 17.0
MERRIMACK RIVER ABOVE LOWELL MAS
25

112WRD
2

2211204
0000 FEET DEPTH

DATE	TIME	00070 TURB JKSN JTU	71886 TOTAL P AS P04 MG/L	00301 DO SATUR PERCENT
71/12/06	1100	13.000*	0.5800*	
72/01/03	0900	8.000*	0.3000*	
72/02/07	1200	6.000*	0.3400*	
72/03/06	1400	10.000*		
72/04/03	0900	3.000*		
72/05/02	0900	7.000*		
72/06/12	1400	5.000*		
72/07/11	1330	3.000*		
72/09/11	1100	4.000*		
72/10/03	1015	3.000*		
72/11/06	1000	3.000*		
72/12/05	0800	3.000*		
73/01/17	0830	2.000*		
73/04/09	1330	4.000*		
73/06/11	1200	3.000*		

III D - NARRAGANSETT BAY BASIN

1. Providence River near Providence, Rhode Island

a. STATION LOCATION

STORET Station Number	0115050
Minor Basin	Narragansett Bay
Sub Basin	Providence River
Station Location	Providence, Rhode Island
Station Description	Off Fields Point at Fullers Rock Beach
Station Latitude and Longitude	41° 47' 15", 71° 22' 35"
Drainage Area	540 sq. miles
Flow	Tidal
State Water Quality Classification	"SC" (Suitable for fish and wildlife, recreational boating, industrial processes and cool- ing.)

Barrington River
Kickamuit River
Pettaquamscutt River (tidal
portion)
Warren River
All Tidal Waters

SA SB SC A B C D - WATER QUALITY STANDARDS
— CLASSIFICATION CHANGE

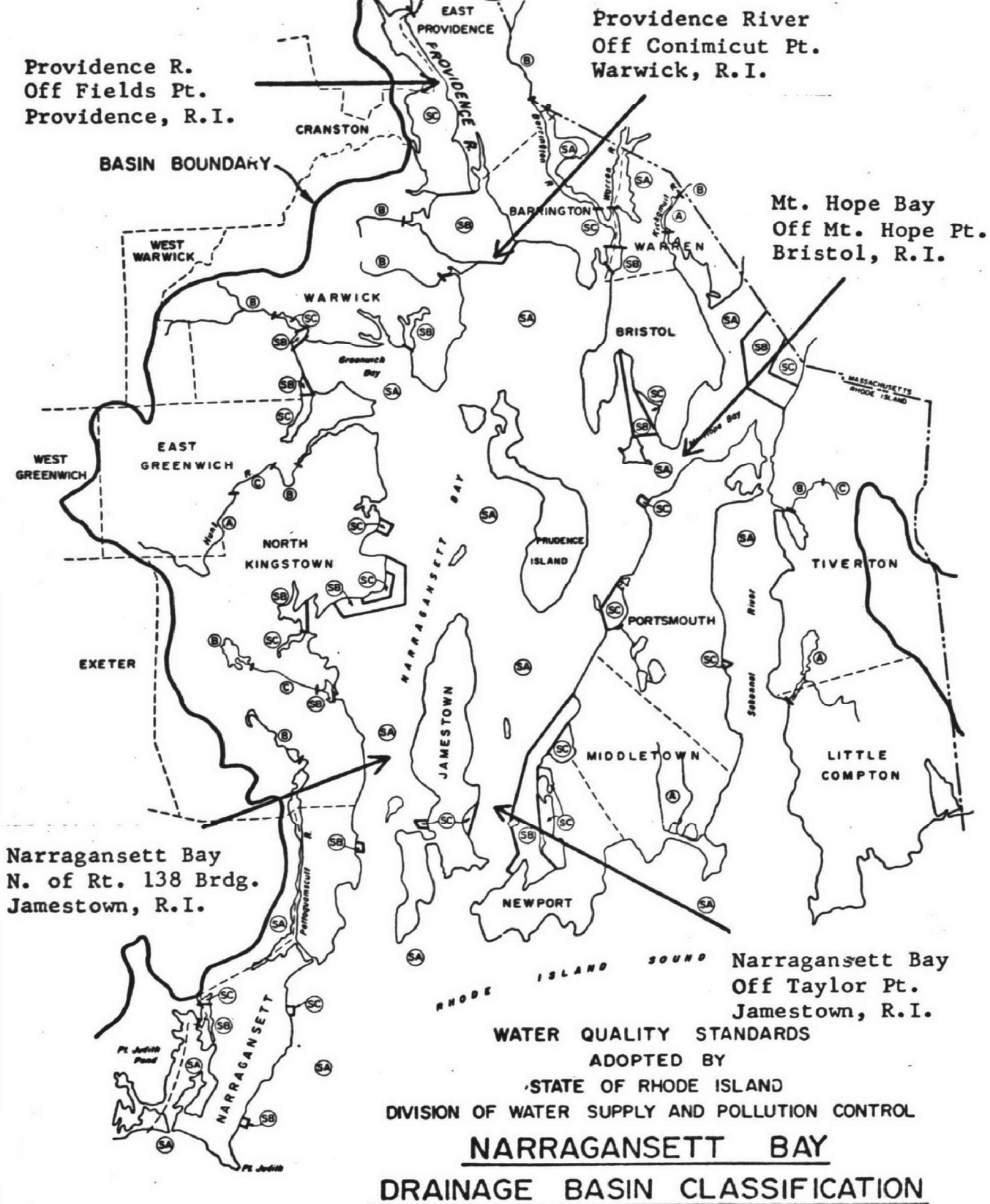


FIGURE 2

WATER
VIOLATION

ITY VIOLATIONS 73/ 9/ 4
ONLY

SIN 1 PAGE

01115050
41 47 15.0 071 22 35.0
PROVIDENCE RIVER NEAR PROVIDENCE
44

112WHD
2

2111101
0000 FEET DEPTH

DATE	TIME	00300 DN MG/L	00400 PH SU	31501 TOT COLI MFIMENDO /100ML	00550 OIL-GMSE TOT-SALT MG/L	00530 RESIDUE TOT NFLI MG/L
69/09/08	1500	1.100*		6800.00*		3.000*
69/12/01	1405			200.00*		
69/12/01	1406			200.00*		
70/03/03	1345			410.00*		
70/03/03	1346			410.00*		
70/06/01	1215			31000.00*		
70/06/01	1216			31000.00*		
70/09/08	1405	3.500*		1010.00*	16.000*	10.000*
70/09/08	1406	3.500*		1010.00*		
70/12/01	1200			580.00*		
71/03/01	1315			130.00*		
71/06/16	1320	3.000*		850.00*		
71/08/31	1420	2.600*		410.00*	1.000*	4.000*
71/12/01	1215			1200.00*		
72/03/01	1545			600.00*		
72/06/06	1320	3.700*		25000.00*		
72/09/05	1335					4.000*
73/06/05	1300			330.00*		

2. Providence River near Warwick, Rhode Island

a. STATION LOCATION

STORET Station Number	01116630
Minor Basin	Narragansett Bay
Sub Basin	Providence River
Station Location	Warwick, Rhode Island
Station Description	Between Conimicut Point and Nyatt Point
Drainage	772 sq. miles
Flow	Tidal
State Water Quality Classification	"SB" (Suitable for bathing and recreation, agricultural uses, industrial processes and cool- ing, excellent fish and wildlife habitant, public water supply with treatment).

WATER
VIOLAT

*Y VIOLATIONS 73/ 9/ 4
NLY

STN 1 PAGE 1.1

01116630
41 43 20.0 071 21 00.0
PROVIDENCE RIVER NEAR WARWICK R
44

112WRD
2

2111101
0000 FEET DEPTH

00530 RESIDUE TOT NFLT	00550 OIL-GRSE TOT-SXLT	31501 TOT COLI MFIMENDU /100ML	00400 PH SU	00300 DO MG/L
------------------------------	-------------------------------	---	-------------------	---------------------

DATE	TIME	MG/L	MG/L	/100ML	SU	MG/L
69/09/08	1400	6.000*		1000.00*		4.500*
69/12/01	1315			110.00*		
69/12/01	1316			110.00*		
70/03/03	1315			1125.00*		
70/03/03	1316			1125.00*		
70/09/08	1320	10.000*	2.000*			
71/03/01	1230			95.00*		
71/08/31	1320	6.000*	1.000*			4.800*
72/06/06	1250			1800.00*		5.800*
72/09/05	1300	4.000*				

3. Mount Hope Bay near Bristol, Rhode Island

a. STATION LOCATION:

STORET Station Number	01109150
Minor Basin	Narragansett Bay
Sub Basin	Mount Hope Bay
Station Location	Bristol, Rhode Island
Station Description	Between Mount Hope Point and Common Fence Point
Station Latitude and Longitude	41° 39' 45". 71° 13' 45"
Drainage area	570 Sq. Miles
Flow	Tidal
State Water Quality Classifi- cation	"SA" (Suitable for water supply, and all other water uses.)

WATER QUAL
VIOLATIONS

VIOLATIONS 73/ 9/ 4

STN 1 PAGE 1.1

1109150
41 39 45.0 071 13 45.0
MOUNT HOPE BAY NEAR BRISTOL R I
44

112WRD
2

2111101
0000 FEET DEPTH

DATE	TIME	00530 RESIDUE TOT NFLT MG/L	00550 OIL-GRSE TOT-SXLT MG/L	31501 TOT COLI MFIMENDU /100ML	00400 PH SU	00300 DO MG/L
69/09/08	1245	12.000*				
69/12/01	1215			120.00*		
69/12/01	1216			120.00*		
70/09/08	1215	11.000*	0.0 *			
71/08/31	1200	4.000*	1.000*			
71/12/01	1100			350.00*		4.100*
72/06/06	1200			100.00*		
72/09/05	1145	4.000*				

4. West Passage Narragansett Bay near Jamestown, Rhode Island

a. STATION LOCATION:

STORET Station Number	01117150
Minor Basin	Narragansett Bay
Sub Basin	West Passage
Station Location	Jamestown, Rhode Island
Station Description	North of Route 138 Bridge
Station Latitude and Longitude	41° 31' 34", 71° 24' 00"
Drainage area	1700 Sq. Miles
Flow	Tidal
State Water Quality Classification	"SA" (Suitable for water supply, and all other water use-.)

WATER TYPE VIOLATIONS 7.3/ 4/ 4
VIOLAT ONLY

STN .1 PAGE 1

01117150
41 31 45.0 071 24 00.0
WEST PASS NAHRAGANSETT BAY NR JA
44

112WRD
2

2111101
0000 FEET DEPTH

DATE	TIME	00530 RESIDUE TOT NFLT MG/L	00550 OIL-GRSE TOT-SXLT MG/L	31501 TOT COLI MFIMENDU /100ML	00400 PH SU	00300 DO MG/L
69/09/08	0945	10.000*				5.800*
70/09/08	0930	70.000*	1.000*			5.300*
70/09/08	0931					5.300*
71/08/31	0900	2.000*	1.000*			
72/09/05	0915	4.000*	7.000*			5.950*
72/12/05	0850					5.800*

5. East Passage, Narragansett Bay near Jamestown, Rhode Island

a. STATION LOCATION:

STORET Station Number	01117160
Minor basin	Narragansett Bay
Sub Basin	East Passage
Station location	Jamestown, Rhode Island
Station Description	Between Taylor point and Coasters Harbor Island
Station Latitude and Longitude	41° 30' 45" , 71° 21' 00"
Drainage area	1700 Sq. miles
Flow	Tidal
State Water Quality Classi- fication	"SA" (Suitable for water supply, and all other water uses.)

WA IALITY VIOLATIONS 73/ 9/ 4
VIOLATIONS ONLY

STN 1 PAG 1

0111/160
41 30 45.0 071 21 00.0
EAST PASS NAHRAGANSETT HAY NR JA
44

112WKD
2

2111101
0000 FEET DEPTH

DATE	TIME	00530 RESIDUE TOT NFLT MG/L	00550 OIL-GHSE TOT-SALT MG/L	31501 TOT COLI MFIMENDO /100ML	00400 PH -SU	00300 DO MG/L
69/09/08	1030	8.000*				4.700*
69/12/01	1045					4.700*
69/12/01	1046					
70/09/08	1015	9.000*	3.000*	112.00*		
70/09/08	1016			112.00*		
71/08/31	1000	0.400*	1.000*	91.00*		
72/09/05	1010	4.000*	55.000*			

III. E. PRESUMPCOT RIVER
and
CASCO BAY BASIN

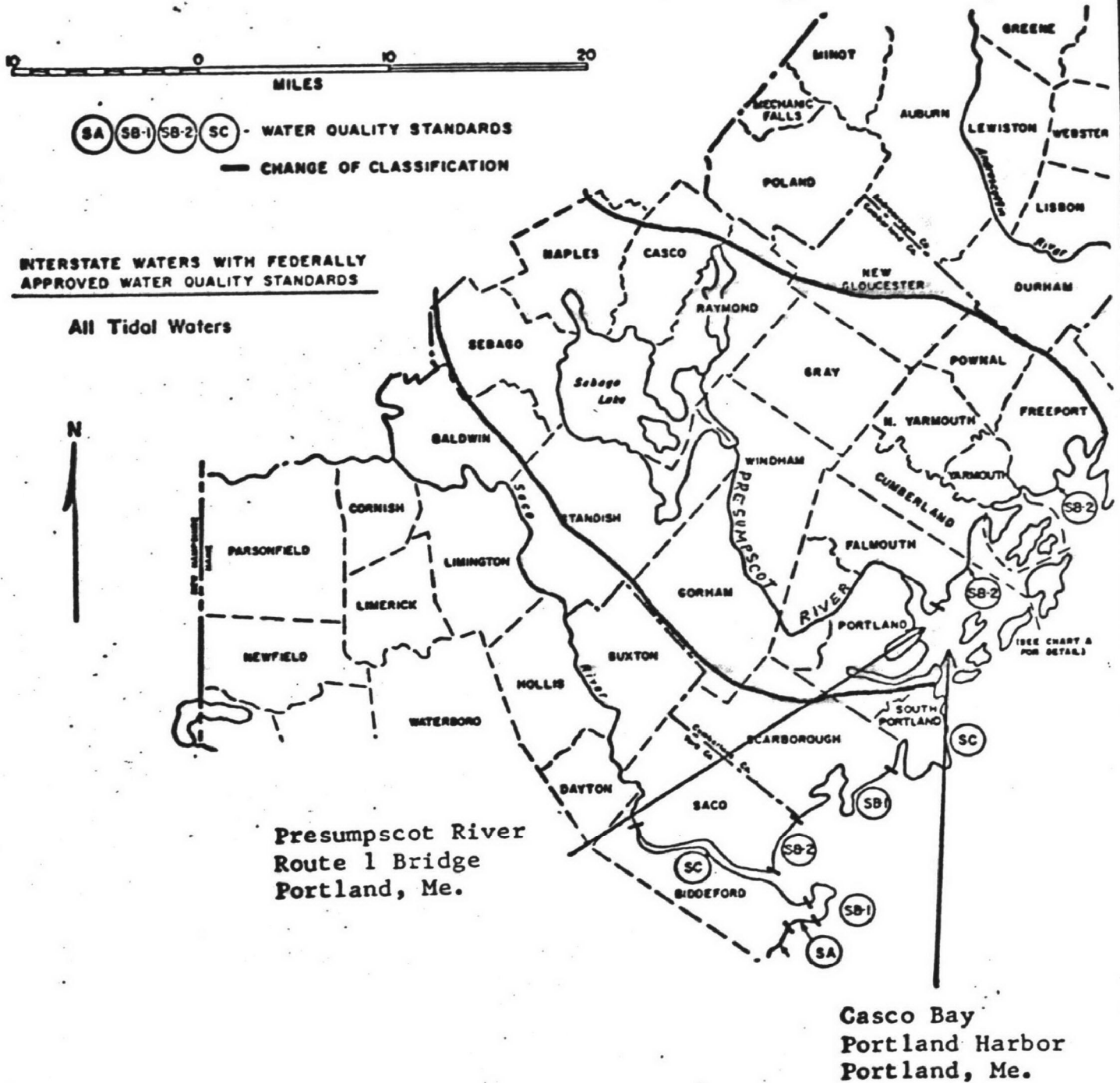
1. Presumpscot River at Route 1 Bridge, Maine

a. Station Location

STORET STATION NUMBER:	01064150
MINOR BASIN:	Presumpscot River and Casco Bay
SUB BASIN:	Main Stem
STATION LOCATION:	Portland, Maine
STATION DESCRIPTION:	At Route 1 Bridge
STATION LATITUDE AND LONGITUDE:	43° 41' 27", 70° 14' 47"
DRAINAGE:	950 square miles
FLOW:	Tidal
STATE WATER QUALITY CLASSIFICATION:	"SC" (Suitable for recreational boating and fishing but not pri- mary water contact, propagation of shellfish with depuration, fish and wildlife habitat, and industrial cooling and processes.)

WATER QUALITY STANDARDS
ADOPTED BY
STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COASTAL CLASSIFICATION



01064150
 43 41 27.0 070 14 47.0
 PRESUMPCUT R AT RTE 1 BRIDGE
 23 MAINE

PRESUMPCUT RIVER AND CASCOBAY
 112WRD 2111101
 2 0010 FEET DEPTH

DATE	TIME	00300 DO MG/L	00400 PH SU	00550 OIL-GHSE TOT-SXLT MG/L	00530 RESIDUE TOT NFLT MG/L	31501 TOT COLI MFIMENDU /100ML	31616 FEC COLI MFIM-FCGR /100ML
-69/09/16	1400				98.000*	4120.*	
70/06/02	1130			1.000*			
-70/09/01	1145			1.000*	2.000*		
71/09/07	1200			1.000*	4.000*	1700.*	
-72/09/12	1200			0.0 *	7.000*	21000.*	

2. Portland Harbor near Fish Point, Maine

a. Station Location

STORET STATION NUMBER:	220070 0164160
MINOR BASIN:	Presempscot River and Casco Bay
SUB BASIN:	Casco Bay
STATION LOCATION:	Portland, Maine
STATION DESCRIPTION:	In the harbor between Fish Point and Little Diamond Island
STATION LATITUDE AND LONGITUDE:	43° 40' 00", 70° 13' 50"
DRAINAGE AREA:	N /A
FLOW:	Tidal
STATE WATER QUALITY CLASSIFICATION	"SC" (Suitable for recreational boating and fishing but not primary water contact, propagation of shell fish with depuration, fish and wild-life habitat, and industrial cooling and processes.)

WATER Q
VIOLATI
Y VIOLATIONS 73/ 9/ 4
VLY

SIN 1 PAGE 1.

434000007

220070
43 40 00.0 070 13 50.0
WEST OF LITTLE DIAMOND ISLAND
23 MAINE
NORTHEAST
PRESUMPSCOT RIVER AND CASCOBAY
112WRD 2111101
3 0035 FEET DEPTH

DATE	TIME	00300 DO MG/L	00400 PH SU	00550 OIL-GWSE TOT-SXLT MG/L	00530 RESIDUE TOT-NFLT MG/L	31501 TOT COLI MFIMENDU /100ML	31616 FEC COLI MFM-FCBK /100ML
------	------	---------------------	-------------------	---------------------------------------	--------------------------------------	---	---

69/09/16 1100
69/12/02 1030
70/01/31 1030
71/05/04 1000

1650.*
4400.*
1800.*

5.100*

III. F. ST. CROIX RIVER BASIN

1. St. Croix River at Milltown, Maine

a. Station Location

STORET STATION NUMBER:	01021050
MINOR BASIN:	St. Croix River
SUB BASIN:	Main Stem
STATION LOCATION:	Milltown, Maine
STATION DESCRIPTION:	At Milltown International Bridge
STATION LATITUDE AND LONGITUDE:	45° 10' 11", 67° 17' 50"
DRAINAGE AREAS:	Approx. 1500 sq. miles
FLOW:	Aug. Ave. = 1,400 C.F.S., May Ave. = 7,000 C.F.S.
STATE WATER QUALITY CLASSIFICATION:	"C" (Suitable for boating and fishing, for fish and wildlife habitat, water supplies with adequate treatment.)



A B-1 B-2 C D
SA SB-1 SB-2 SC — WATER QUALITY STANDARDS

— CHANGE OF CLASSIFICATION

N

INTERSTATE WATERS WITH FEDERALLY
APPROVED WATER QUALITY STANDARDS

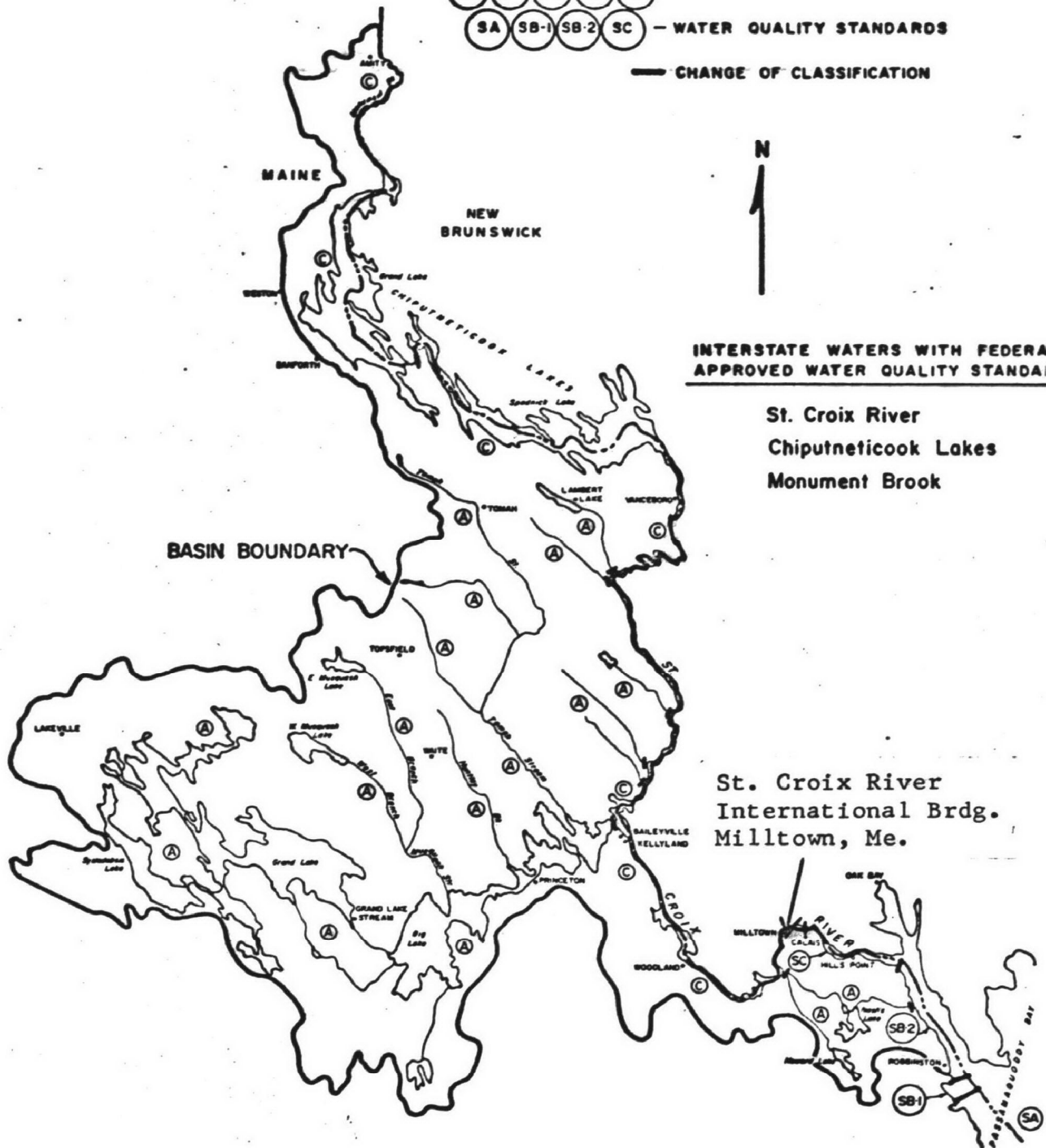
St. Croix River
Chiputneticook Lakes
Monument Brook

BASIN BOUNDARY

St. Croix River
International Brdg.
Milltown, Me.

WATER QUALITY STANDARDS
ADOPTED BY
STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ST. CROIX RIVER BASIN CLASSIFICATION



01021050 220100
45 10 11.0 067 1/ 50.0
ST. CROIX RIVER AT MILLTOWN, MAI
23

451011006

112WRD
2

2111204
0000 FEET DEPTH

DATE	TIME	00300 DO	00400 PH	31501 TOT COLI MFIMENDU /100ML	31616 FEC COLI MFM-FCBR /100ML	00550 OIL-GRSE TOT-SXLI MG/L	00530 RESIDUE TOT NFLI MG/L
69/08/19	1330	2.000*		6300.*			
69/09/10	1100			8700.*			9.000*
70/01/26	1430		5.800*				
70/05/27	1200					230.000*	
70/07/28	1300	1.800*		19000.*			
70/09/27	1400	2.900*		55000.*	4000.*		
70/09/29	1330			11000.*			14.000*
71/07/29	1330				1100.*		
71/07/29	1331				1100.*		
71/08/31	1330					280.000*	8.000*
71/08/31	1331	3.500*		9200.*			
71/10/28	1000			21000.*			
72/02/24	1315			8400.*	3700.*		
72/04/27	1100					39.000*	
72/09/14	1400						4.000*
73/06/28	1300			33000.*			

III. G. UPPER HUDSON RIVER BASIN

1. Hoosic River below Williamstown, Mass.

a. Station Location

STORET STATION NUMBER:	01333300
MINOR BASIN:	Upper Hudson River
SUB BASIN:	Hoosic River
STATION LOCATION:	Williamstown, Massachusetts
STATION DESCRIPTION:	0.8 miles upstream of Massachusetts - Vermont State line
STATION LATITUDE AND LONGITUDE:	42° 44' 28", 73° 12' 47"
DRAINAGE AREA:	203 square miles
FLOW:	Aug. ave. = 80 C.F.S. May ave. = 1,300 C.F.S.
STATE WATER QUALITY CLASSIFICATION:	"C" (Suitable for recreational boating, fish and wildlife habitat, industrial cooling and processing with treatment, irrigation of crops, for consumption after cooking.)

01333300

42 44 28.0 073 12 47.0

MOOSIC RIVER BELOW WILLIAMSTOWN
25112WRD
22111204
0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 00 MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	00550 OIL-GKSE TOT-SXLI MG/L	00530 RESIDUE TOT NFLT MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-T P-WET MG/L	32730 PHENOLS UG/L
69/08/20	1930	20.70*				390000.*				0.3700*	
69/09/16	1900	21.00*		3.000*		425000.*		9.000*	1.300*	0.3700*	
69/10/07	1700			3.800*		810000.*				0.8000*	
69/10/07	1701			3.800*		810000.*					
69/11/04	1700					1700000.*				0.5300*	
69/11/04	1701					1700000.*					
69/12/04	2100					190000.*				0.3000*	
69/12/09	2101					190000.*					
70/01/13	1500				8.800*	220000.*				0.3900*	
70/01/13	1501				8.800*	220000.*					
70/02/03	1300									0.2900*	
70/03/12	0800					180000.*				0.2800*	
70/03/12	0801					180000.*					
70/04/07	1430					32000.*				0.1300*	
70/04/07	1431					32000.*					
70/05/06	1000					56000.*				0.1100*	
70/05/06	1001					56000.*					
70/06/09	1730	22.50*				250000.*	23.000*			0.4100*	9.0000*
70/06/09	1731	22.50*				250000.*					
70/07/15	1500					380000.*				0.3000*	
70/07/15	1501					380000.*					
70/03/05	1000			4.600*		210000.*				0.6100*	
70/03/05	1001	45.70*		4.600*		210000.*					
70/09/02	0930					63000.*	2.000*	11.000*		0.4400*	9.0000*
70/09/02	0931					63000.*					
70/10/07	0400					210000.*				0.2800*	
70/11/03	1600					175000.*				0.4600*	
70/12/08	1330					214000.*				1.0000*	
71/01/06	1600					265000.*				0.4100*	
71/02/09	0900				9.000*	240000.*				0.8800*	
71/03/03	1500					260000.*				0.2900*	
71/04/06	1600					60000.*				0.1700*	
71/05/05	1300					31000.*				0.1200*	
71/06/09	1530					220000.*				0.2500*	
71/07/14	1100	20.10*				20000.*				0.3200*	
71/09/11	1200	23.10*		4.100*		280000.*				0.3400*	
71/09/15	1600	20.40*				100000.*	1.000*	230.000*			1.0000*
71/09/15	1601	20.40*									
71/10/06	1500					40000.*				0.2800*	

01333300

42 44 28.0 073 12 47.0

MOOSIC RIVER BELOW WILLIAMSTOWN
 25

112WRD
 2

2111204
 0000 FEET DEPTH

DATE	TIME	00010 WATER TEMP CENT	00011 WATER TEMP FAHN	00300 DO MG/L	00400 PH SU	31501 TOT COLI MFIMENDU /100ML	00550 OIL-GRSE TOT-SALT MG/L	00530 RESIDUE TOT NPLT MG/L	00610 NH3-N TOTAL MG/L	00665 PHOS-P P-WET MG/L	32730 PHENOLS UG/L
71/11/02	1530			4.300*		217000.*				0.6100*	
71/12/07	1600					470000.*				0.3200*	
72/01/04	1430					45000.*				0.1600*	
72/02/08	1500					18000.*				0.1700*	
72/03/08	1400					47000.*				0.1800*	
72/04/04	1400					340000.*				0.1700*	
72/05/02	1700									0.1500*	
72/06/14	1500					170000.*				0.1380*	
72/07/12	1300					21000.*				0.1790*	
72/09/13	1500					83000.*	220.000*	12.000*		0.3000*	
72/10/03	1700					190000.*				0.2900*	
72/11/07	1700					530000.*				0.3310*	
72/12/06	1300					94000.*				0.2400*	
73/01/17	1530					321000.*				0.3100*	
73/02/14	1300					31000.*				0.1600*	
73/03/07	1330					220000.*				0.3000*	
73/04/11	1500					20000.*				0.3800*	

WAT
VIOALITY VIOLATIONS 73/ 9/ 4
NS ONLY

STN 1 PAC

01333300

42.44 28.0 073 12 47.0

MOOSIC RIVER BELOW WILLIAMSTOWN

25

112WRD

2

2111204

0000 FEET DEPTH

00070

71886

TURB

TOTAL P

JKSN

AS PU4

JTU

MG/L

DATE - TIME

69/04/25 1100	---	0.1000*
69/10/07 1700	15.000*	
69/11/04 1700	30.000*	
70/01/13 1500	22.000*	
70/02/03 1300	30.000*	
70/03/12 0800	13.000*	
70/04/07 1430	11.000*	
70/08/05 1000	21.000*	
71/01/06 1600	20.000*	
71/04/06 1600	15.000*	
71/06/09 1530	25.000*	
71/08/11 1200		1.0400*
71/09/15 1600	55.000*	
71/10/06 1500		0.8600*

133500
42 44 28.0 073 12 47.0
MUOSIC RIVER BELOW WILLIAMSTOWN
25

112WRD
2

2111204
0000 FEET DEPTH

DATE	TIME	00070 TURR JKSN JTU	71886 TOTAL P AS P04 MG/L
71/11/02	1530	13.000*	1.8700*
71/12/07	1600	20.000*	0.9800*
72/01/04	1430		0.4900*
72/02/04	1500		0.5200*
72/05/02	1700	15.000*	
72/06/14	1500	20.000*	
72/10/03	1700	15.000*	
72/12/06	1300	15.000*	
73/01/17	1530	15.000*	
73/03/07	1330	20.000*	
73/04/11	1500	25.000*	