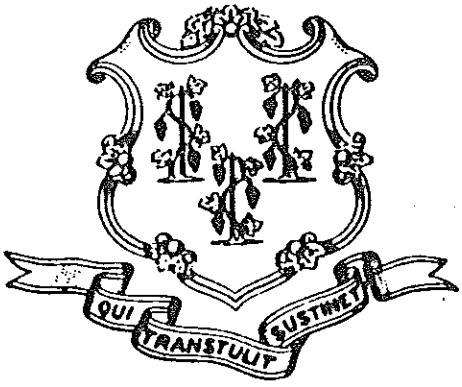
WATER QUALITY STANDARDS



WATER RESOURCES COMMISSION
STATE OFFICE BUILDING
HARTFORD, CONNECTICUT

1970

STATE OF CONNECTICUT
WATER RESOURCES COMMISSION
STATE OFFICE BUILDING • HARTFORD, CONNECTICUT 06115

WATER QUALITY STANDARDS

Pursuant to the provisions of Section 25-54e of the 1967 Supplement to the General Statutes of Connecticut, notice was published in the Connecticut Law Journal on May 26, 1970 that the Water Resources Commission adopted on November 17, 1969 Water Quality Standards for all interstate and intrastate waters in the State of Connecticut and that, under the Federal Water Pollution Control Act, the Secretary of Interior approved said standards in their entirety on April 21, 1970 insofar as the said standards apply to interstate waters.

STATE OF CONNECTICUT

WATER RESOURCES COMMISSION

STATE OFFICE BUILDING • HARTFORD, CONNECTICUT 06115

WATER QUALITY CRITERIA

GENERAL POLICY

1. Water quality standards adopted on the basis of these criteria are in accord with all the requirements of Section 25-54e of the ~~1967 Supplement to the~~ General Statutes of Connecticut.

2. In the discharge of waste treatment plant effluent and cooling waters to the receiving waters, cognizance shall be given both in time and distance to allow for mixing of effluent and stream. Such distances required for ~~complete~~ mixing shall not affect the water usage Class adopted, but shall be defined and controlled by the Commission. of Administration.

3. Recommendations on other waste parameters will constitute a portion of the continuing effort of the Commission in further defining interstate and intrastate water quality standards. The Commission reserves the right to amend or extend the following criteria as improved standard methods are developed or revisions consistent with the enhancement of water quality are justified.

4. Coastal and marine waters are those generally subject to the rise and fall of the tide.

5. Interstate waters whose existing quality is better than the established standards as of the date which such standards become effective will be maintained at their existing high quality. These and other interstate waters of the State will not be lowered in quality unless and until it has been affirmatively demonstrated to the Commission and the Department of the Interior that such change is justifiable as a result of necessary economic or social development and will not interfere with or become injurious to any assigned uses made of, or presently possible in, such waters. This will require that any industrial, public or private project or development which would constitute a new discharge source of pollution or an increased source of pollution to high quality waters will be required, if provided a permit, as part of the initial project design, to provide the highest and best degree of waste treatment available under existing technology and, since for interstate waters these are also Federal standards, these waste treatment requirements will be developed cooperatively as defined by the Federal Water Pollution Control Act.

I N L A N D W A T E R S

CLASS A

Suitable for water supply and all other water uses; character uniformly excellent. (See note 9)

1. Dissolved oxygen	75% saturation, 16 hours/day; 5 mg/l at any time
2. Sludge deposits - solid refuse - floating solids, oils, and grease - scum	None allowable
3. Color and turbidity	None other than of natural origin
4. Coliform bacteria per 100 ml	Not to exceed a median of 100 nor more than 500 in more than 10% of samples collected
5. Taste and odor	None other than of natural origin
6. pH	As naturally occurs
7. Allowable temperature increase	None other than of natural origin
8. Chemical constituents	(See Note 4)

CLASS B

Suitable for bathing, other recreational purposes, agricultural uses, certain industrial processes and cooling; excellent fish and wild life habitat; good aesthetic value; acceptable for public water supply with appropriate treatment.

1. Dissolved oxygen	75% saturation, 16 hours/day; 5 mg/l at any time
2. Sludge deposits - solid refuse - floating solids, oils, and grease - scum	None (See Note 6)
3. Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this Class
4. Coliform bacteria per 100 ml	Not to exceed a median of 1000 nor more than 2400 in more than 20% of samples collected
5. Taste and odor	None in such concentrations that would impair any usages specifically assigned to this Class nor cause taste and odor in edible fish

CLASS B - continued

6.	pH	6.5 - 8.0
7.	Allowable temperature increase	None except where the increase will not exceed the recommended limit on the most sensitive receiving water use and in no case exceed 85° F, or in any case raise the normal temperature of the receiving water more than 4°F
8.	Chemical constituents	(See Note 4)

CLASS C

Suitable for fish and wildlife habitat, recreational boating, and certain industrial processes and cooling; under some conditions acceptable for public water supply with appropriate treatment; good aesthetic value.

1.	Dissolved oxygen	Not less than 5 mg/l for more than 6 hours during any 24-hour period, at no time less than 4 mg/l. For cold water fishery, Cc, not less than 5 mg/l at any time.
2.	Sludge deposits - solid refuse - floating solids, oils, and grease - scum	None (See Note 6)
3.	Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this Class.
4.	Coliform bacteria per 100 ml	Not to exceed an average in any 30-day period of 5000 nor exceed this value in more than 20% of the samples collected during the period.
5.	Taste and odor	None in such concentrations that would impair any usages specifically assigned to this Class nor cause taste and odor in edible fish
6.	pH	6.0 - 8.5
7.	Allowable temperature increase	None except where the increase will not exceed the recommended limit on the most sensitive receiving water use and in no case exceed 85° F or in any case raise the normal temperature of the receiving water more than 4° F
8.	Chemical constituents	(See Note 4)

CLASS D

Suitable for navigation, power, certain industrial processes and cooling, and migration of fish; good aesthetic value.

1.	Dissolved oxygen	A minimum of 2 mg/l at any time
2.	Sludge deposits - solid refuse - floating solids, oils, and grease - scum	None (See Note 6)
3.	Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this Class
4.	Coliform bacteria per 100 ml	None in such concentrations that would impair any usages specifically assigned to this Class
5.	Taste and odor	None in such concentrations that would impair any usages specifically assigned to this Class
6.	pH	6.0 - 9.0
7.	Allowable temperature increase	None except where the increase will not exceed the recommended limit on the most sensitive receiving water use and in no case exceed 85^{o} F or in any case raise the normal temperature of the receiving water more than 4^{o} F
8.	Chemical constituents	(See Note 4)

N O T E S

1. These criteria do not apply to conditions brought about by natural causes.

2. Class D waters will be assigned only where a higher water use Class cannot be attained after all appropriate waste treatment methods are utilized.

3. All sewage treatment plant effluents shall receive disinfection before discharge to the watercourse. The degree of treatment and disinfection shall be as required by the State.

4. Waters shall be free from chemical constituents in concentrations or combinations which would be harmful to human, animal, or aquatic life for the appropriate, most sensitive and governing water class use. In areas where fisheries are the governing considerations and approved limits have not been established, bioassays shall be performed as required by the appropriate agencies. For public drinking water supplies the raw water sources must be of such a quality that United States Public Health Service limits, or State limits if more stringent, for finished water can be met after conventional water treatment.

5. Radioactivity limits to be approved by the appropriate State agency with consideration of possible adverse effects in downstream waters from discharge of radioactive wastes; limits in a particular watershed to be resolved when necessary after consultation between appropriate State and Federal agencies. In no case shall the Alpha emitters exceed a concentration of 3 picocuries per liter or the Gross Beta emitters exceed a concentration of 1000 picocuries per liter.
Use note 5 6,

6. Sludge deposits, floating solids, oils, grease and scum shall not be allowed except for such small amounts that may result from the discharge of appropriately treated sewage or industrial waste effluents.

7. The minimum average daily flow for seven consecutive days that can be expected to occur once in ten years shall be the minimum flow to which the standards apply.

8. Class B and C waters shall be substantially free of pollutants that: a) unduly affect the composition of bottom fauna; b) unduly affect the physical or chemical nature of the bottom; c) interfere with the propagation of fish.

9. Class A waters reserved for water supply may be subject to restricted use by State and Local regulation.

10. All interstate Class A waters and all interstate Class B waters, except Shetucket River from confluence of Willimantic and Natchaug Rivers to Greenville Dam, Norwich, are considered to be suitable for cold water fish spawning and growth.

11. The criteria for dissolved oxygen and allowable temperature increase for interstate Class B and Cc waters are applicable to waters used only for fish passage. When such class waters are suitable for cold water fish spawning and growth, these criteria shall be the same as those specified for Class A waters.

12. In the case of interstate Class B and Cc waters where parts of such waters are not suitable for spawning and growth, the requirements for fish passage shall be considered with other sensitive uses in defining allowable temperature increases.

COASTAL AND MARINE WATERS

CLASS SA

Suitable for all sea water uses including shellfish harvesting for direct human consumption (approved shellfish areas), bathing, and other water contact sports.

1.	Dissolved oxygen	Not less than 6.0 mg/l at any time
2.	Sludge deposits - solid refuse - floating solids, oils, and grease - scum	None allowable
3.	Color and turbidity	None in such concentrations that will impair any usages specifically assigned to this Class
4.	Coliform bacteria per 100 ml	Not to exceed a median MPN of 70 and not more than 10% of the samples shall ordinarily exceed an MPN of 230 for a 5-tube decimal dilution or 330 for a 3-tube decimal dilution (See Note S.5)
5.	Taste and Odor	None allowable
6.	pH	6.8 - 8.5
7.	Allowable temperature increase	None except where the increase will not exceed the recommended limit on the most sensitive receiving water use and in no case exceed 85^{o} F or in any case raise the normal temperature of the receiving water more than 4^{o} F
8.	Chemical constituents	None in concentrations or combinations which would be harmful to human, animal, or aquatic life or which would make the waters unsafe or unsuitable for fish or shellfish or their propagation, impair the palatability of same, or impair the waters for any other uses.
9.	Radioactivity	(See Note S.6)

CLASS SB

Suitable for bathing, other recreational purposes, industrial cooling and shellfish harvesting for human consumption after depuration; excellent fish and wildlife habitat; good aesthetic value.

1. Dissolved oxygen	Not less than 5.0 mg/l at any time
2. Sludge deposits - solid refuse - floating solids, oils and grease - scum	None except that amount that may result from the discharge from a waste treatment facility providing appropriate treatment
3. Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this Class
4. Coliform bacteria per 100 ml	Not to exceed a median value of 700 and not more than 2300 in more than 10% of the samples (See Note S.5)
5. Taste and odor	None in such concentrations that would impair any usages specifically assigned to this Class and none that would cause taste and odor in edible fish or shellfish
6. pH	6.8 - 8.5
7. Allowable temperature increase	None except where the increase will not exceed the recommended limit on the most sensitive receiving water use and in no case exceed 85^{o} F or in any case raise the normal temperature of the receiving water more than 4^{o} F.
8. Chemical constituents	None in concentrations or combinations which would be harmful to human, animal, or aquatic life or which would make the waters unsafe or unsuitable for fish or shellfish or their propagation, or impair the water for any other usage assigned to this Class
9. Radioactivity	(See Note S.6)

	this Class
	Not to exceed an average in any day period of 5000 nor exceed the value in more than 20% of the collected during the per
	None in such concentrations impair any usages specifically to this Class and none that would taste and odor in edible fish or shellfish
	6.5 - 8.5
	None except where the increase will exceed the recommended limit in the sensitive receiving water use area case exceed 85° F or in any the normal temperature of the water more than 4° F
	None in concentrations or which would be harmful to or aquatic life or which waters unsafe or unsuitable for shellfish or their propagation impair the water for any assigned to this Class

CLASS SD

Suitable for navigation, power, and certain industrial cooling water; migration of fish; good aesthetic value.

1. Dissolved oxygen	Not less than 2 mg/l at any time
2. Sludge deposits - solid refuse - floating solids, oils and grease - scum	None except that amount that may result from the discharge from a waste treatment facility providing appropriate treatment
3. Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this Class
4. Coliform bacteria	None in such concentrations that would impair any usages specifically assigned to this Class
5. Taste and odor	None in such concentrations that would impair any usages specifically assigned to this Class and none that would cause taste and odor in edible fish or shellfish
6. pH	6.5 - 8.5
7. Allowable temperature increase	None except where the increase will not exceed the recommended limit on the most sensitive receiving water use and in no case exceed 85^{o} F or in any case raise the normal temperature of the receiving water more than 4^{o} F
8. Chemical constituents	None in concentrations or combinations which would be harmful to human, animal, or aquatic life or which would make the waters unsafe or unsuitable for fish or shellfish or their propagation, impair the palatability of same, or impair the water for any other usage
9. Radioactivity	(See Note S.6)

N O T E S

S.1 All sewage treatment plant effluents shall receive disinfection before discharge to coastal and marine waters. The degree of treatment and disinfection shall be as required by the State.

S.2 ~~These criteria do not apply to conditions brought about by natural causes.~~

S.3 The waters shall be substantially free of pollutants that will: a) unduly affect the composition of bottom fauna b) unduly affect the physical or chemical nature of the bottom; c) interfere with the propagation of fish.

S.4 These criteria shall apply at all times in coastal and marine waters.

S.5 Surveys to determine coliform concentrations shall include those areas most probably exposed to fecal contamination during the most unfavorable hydrographic and pollution conditions.

~~S.6~~ New 5. The discharge of radioactive materials in concentrations or combinations which would be harmful to human, animal or aquatic life shall not be allowed. In no case shall the Alpha emitters exceed a concentration of 3 picocuries per liter or the Gross Beta emitters exceed a concentration of 1000 picocuries per liter.

S.7 All ~~interstate~~ Class SA waters and all ~~interstate~~ Class SB waters, except Housatonic River from Derby Dam to mouth, Connecticut River from Hurd State Park in East Hampton to mouth, and Shetucket and Thames Rivers from Greenville Dam, Norwich, to mouth, are considered to be suitable for cold water fish spawning and growth.

S.8 The criteria for dissolved oxygen and allowable temperature increase for ~~interstate~~ Class SB and SCc waters are applicable to waters used only for fish passage. When such waters are suitable for cold water fish spawning and growth, these criteria shall be the same as those specified for Class SA waters.

S.9 In the case of ~~interstate~~ Class SB and SCc waters where parts of such waters are not suitable for spawning and growth, the requirements for fish passage shall be considered with other sensitive uses in defining allowable temperature increases.

DESCRIPTIONS OF APPROVED STANDARDS BY WATERSHEDS

Shellfish Closure Lines Referenced in the following Descriptions are defined in the document entitled "LIST OF RESTRICTED SHELLFISH AREAS IN CONNECTICUT WHERE CLOSURE LINES HAVE BEEN DEFINITELY ESTABLISHED BY THE STATE DEPARTMENT OF HEALTH" dated September, 1966.

HOUSATONIC RIVER WATERSHED

(All interstate streams and sections of streams are designated by asterisks)

SECTION OF STREAM	Present Condition	Adopted Standard
*Housatonic River from the Conn.-Mass. State Line Downstream to Junction with Blackberry River	C	B
*Housatonic River from Junction with Blackberry River to Kent	B	B
*Housatonic River from Kent to Point 1 Mile below Kent	C	B
*Housatonic River from Point 1 Mile below Kent to New Milford	B	B
*Housatonic River from New Milford to Point 3 Miles below New Milford	D	B
*Housatonic River from Point 3 Miles below New Milford to Junction with Shepaug River	C	B
*Housatonic River from Junction with Shepaug River to Derby Dam	B	B
*Housatonic River from Derby Dam to Mouth (Shellfish Closure Line)	SC	SB
Blackberry River from confluence of Wood Creek and Spaulding Brook to mouth	B & C	B
Salmon Creek fron confluence of Wachocastinook Brook	B	B
Wachocastinook Brook from confluence with Factory Brook to mouth	B	B
Factory Brook from outlet of Wononskipomuc Lake to confluence with Wachocastinook Brook	B & C	B
*Indian Lake and Indian Lake Creek from Conn.-New York State Line to junction of Beardsley Pond Brook	B	B
Wononpakook Lake, Mudge Pond, Mudge Pond Brook to Beardsley Pond Brook	B	B

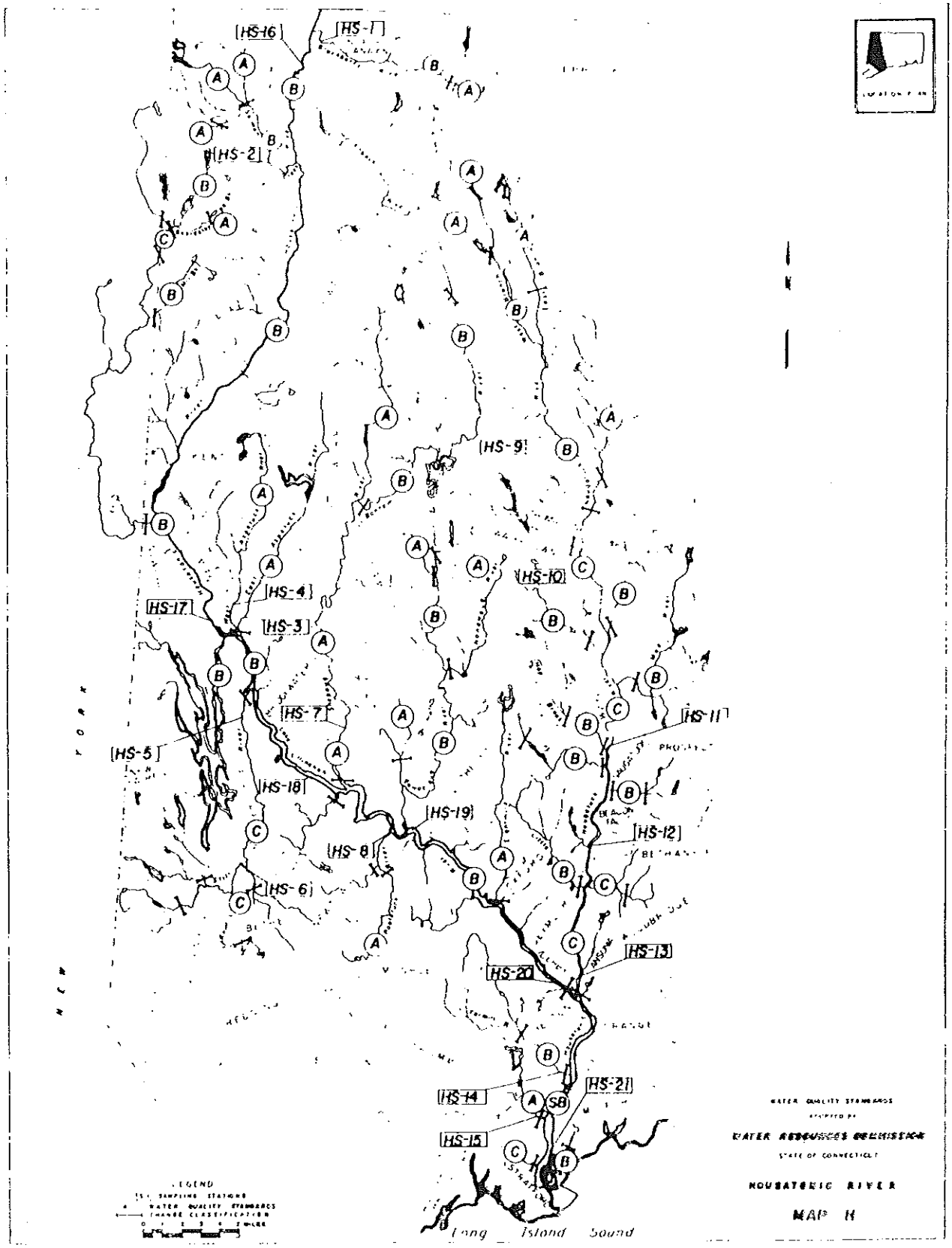
SECTION OF STREAM	Present Condition	Adopted Standard
Beardsley Pond	A	A
Beardsley Pond Brook to Mudge Pond Brook	B	B
*Beardsley Pond Brook from junction of Mudge Pond Brook to Conn.-New York State Line	C	C
*Webatuck Creek within Connecticut	C	C
*Mill Brook from source to Conn.-New York State Line	B	B
*Ten Mile River from Conn.-New York State Line to junction of Housatonic River	C	B
Shepaug River from source to mouth	A & B	A
Bantam River from confluence of Ivy Mountain Brook to mouth	B & C	B
Fox Brook from source to mouth	B	B
West Aspetuck from source to mouth	A	A
East Aspetuck from source to mouth	B & C	A
Still River from Mill Plain Swamp to mouth	C & D	C
Limekiln Brook from East Swamp Brook to mouth	C & D	C
Sympaug Brook from confluence with outlet of Bethel Reservoir to mouth	C	C
Pootatuck River from Deep Brook to mouth	C	B
Deep Brook from Fairfield Hills Hospital to mouth	C	B
Pomperaug River from confluence with Weekeepeemee River and Nonewaug River to mouth	B	B

HOUSATONIC RIVER WATERSHED - continued

SECTION OF STREAM	Present Condition	Adopted Standard
Weekeepeemee River from confluence with outlet of Long Meadow Pond to mouth	B	B
Long Meadow Pond stream from source to mouth	B	B
Transylvania Brook from confluence of Spruce Brook to mouth	B	B
Eightmile Brook from source to mouth	A	A
Naugatuck River from confluence of East and West Branches to Plume and Atwood Dam	C	B
Naugatuck River from Plume and Atwood Dam to mouth	C, D & E	C
West Branch from confluence of Hart and Hall Meadow Brooks to mouth	B & D	B
Hall Meadow Brook from source to mouth	B	B
East Branch from inlet of East Branch Reservoir to mouth	B	B
Hancock Brook from source to mouth	B	B
Steel Brook from source to confluence with Wattles Brook	B & C	B
Steel Brook from confluence with Wattles Brook to mouth	C & D	C
Mad River from source to Hamilton Street	B	B
Mad River from Hamilton Street to mouth	D	C
Hop Brook from inlet of Hop Brook Reservoir to mouth	C	B
Long Meadow Pond Brook from inlet of Long Meadow Pond to mouth	B & C	B
Beacon Hill Brook from confluence with Marks Brook to mouth	C	B
Bladens River from Route 67 to mouth	C	C

HOUSATONIC RIVER WATERSHED - continued

SECTION OF STREAM	Present Condition	Adopted Standard
Little River from source to mouth	B	B
Far Mill River from confluence with Means Brook to mouth	B	B
Long Brook from source to mouth	C	C
Beaver Brook from Beaver Brook Dam to mouth	B	B
All other streams and sections of streams		A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Long Island Sound
WATER QUALITY STANDARDS
WATER RESOURCES COMMISSION
STATE OF CONNECTICUT
HOUSATONIC RIVER
MAP H

CONNECTICUT RIVER WATERSHED

(All interstate streams and sections of streams are designated by asterisks)

SECTION OF STREAM	Present Condition	Adopted Standard
*Connecticut River from Conn.-Mass. State Line to Enfield Dam	D	C
*Connecticut River from Enfield Dam to Junction of Farmington River	D	Cc
*Connecticut River from Junction of Farmington River to Hurd State Park in East Hampton	SD	SCc
*Connecticut River from Hurd State Park in East Hampton to mouth (Shellfish Closure Line)	SC	SB
*Scantic River from Conn.-Mass. State Line to Dam at Somersville	B	B
*Scantic River from Dam at Somersville to Connecticut River	C	B

FARMINGTON RIVER WATERSHED

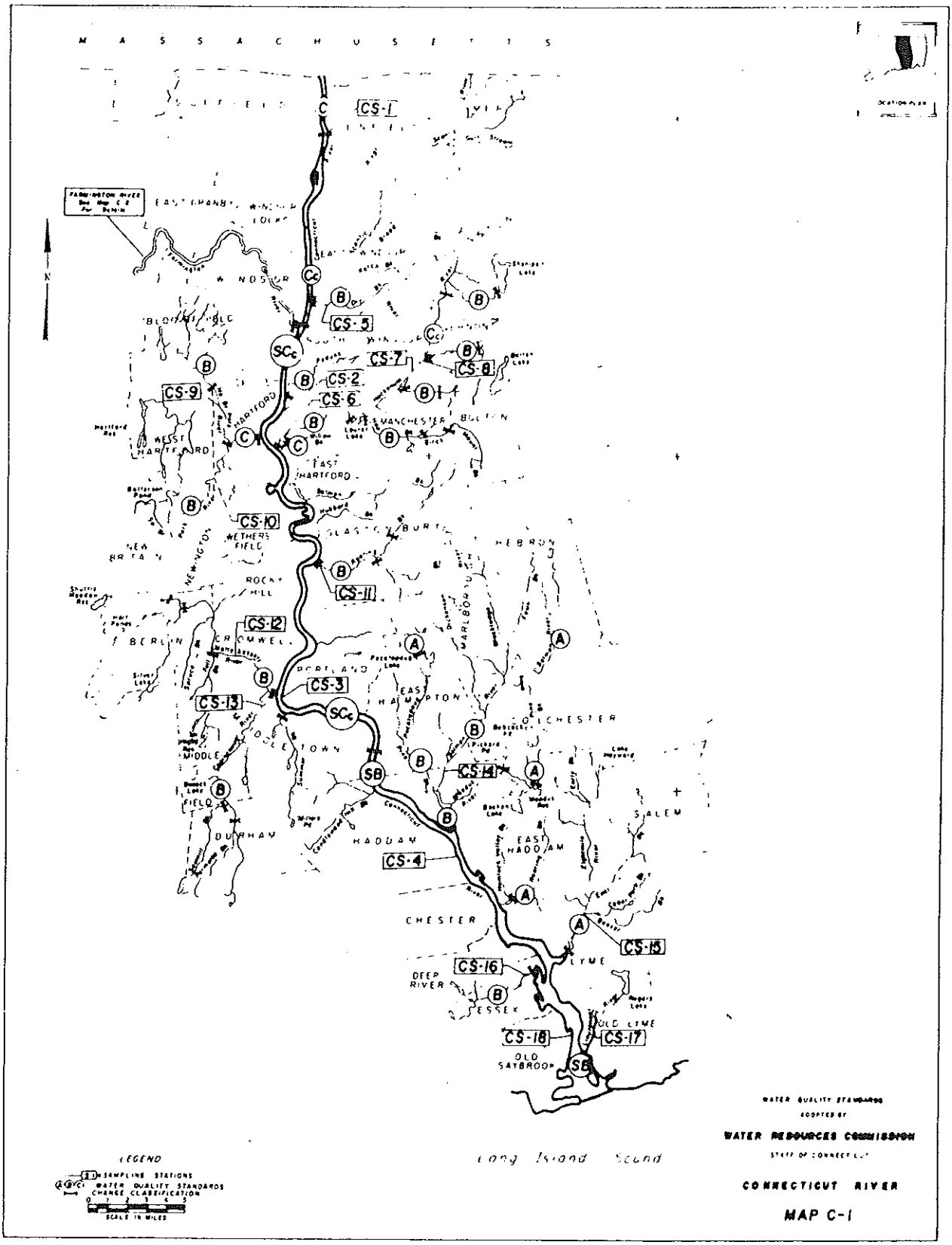
*West Branch Farmington River from Conn.-Mass. State Line to Hogback Dam	A	A
*West Branch Farmington River from Hogback Dam to ½ Mile North of Center of New Hartford	B	B
*West Branch Farmington River from ½ Mile North of Center of New Hartford to Junction of East Branch	C	B
*East Branch Farmington River from Conn.-Mass. State Line to Seville Dam	A	A
*East Branch Farmington River from Seville Dam to Junction of West Branch	B	B
*Farmington River from Junction of East and West Branches to Connecticut River	C	B
Mad River from Source to Water Supply Diversion	A	A
Mad River from Water Supply Diversion to Meadow Street, Winsted	B	B

SECTION OF STREAM	Present Condition	Adopted Standard
FARMINGTON RIVER WATERSHED - continued		
Mad River from Meadow Street, Winsted to Junction of Still River	C	C
Still River from Source to Junction of Mad River	B	B
Still River from Junction of Mad River to Route 20	C	C
Still River from Route 20 to Junction of Sandy Brook	C	B
*Still River from Junction of Sandy Brook to Junction of West Branch Farmington River	B	B
*Sandy Brook from Conn.-Mass. State Line to Junction of Still River	B	B
Pequabuck River from Source to Middle Pond Dam	B	B
Pequabuck River from Middle Pond Dam to Plainville Sewage Treatment Plant	D	C
Pequabuck River from Plainville Sewage Treatment Plant to Plainville-Farmington Town Line	E	C
Pequabuck River from Plainville-Farmington Town Line to Junction of Farmington River	D	C
Poland River from Terryville Water Company Well Site to Junction of Pequabuck River	C	B
North Creek from Route 6 to Junction of Pequabuck River	D	C
Salmon Brook from Source to Junction of Farmington River	B	B
All Remaining Tributaries to Public Water Supplies throughout the Farmington River Watershed	A	A
All other Tributaries in the Farmington River Watershed	B	B

CONNECTICUT RIVER WATERSHED - continued

SECTION OF STREAM	Present Condition	Adopted Standard
Park River from confluence of North and South Branches to mouth	D	C
North Branch Park River from source to West Hartford - Hartford Town Line	B	B
North Branch Park River from West Hartford-Hartford Town Line to confluence with South Branch Park River	C	C
South Branch Park River from source to Newfield Street, Hartford	C	B
South Branch Park River from Newfield Street, Hartford to confluence with North Branch Park River	C	C
Hockanum River from Shenipsit Lake outlet to Wapping Wood Road	B	B
Hockanum River from Wapping Wood Road to Manchester - East Hartford Town Line	D	Cc
Hockanum River from Manchester-East Hartford Town Line to mouth	D	B
Tankerhoosen River from confluence with Railroad Brook to mouth	B & D	B
Lydall Brook from Vernon Street to mouth	B & D	B
Hop Brook from confluence with Birch Mountain Brook to mouth	D	B
Birch Mountain Brook from Spring Street to mouth	D	B
Willow Brook source to mouth	C	C
Roaring Brook from East Glastonbury to mouth	C	B
Mattabassett River from confluence with Willow Brook to mouth	D	B
Willow Brook from entrance to Willow Brook Park to confluence with Mattabassett River	C	B

SECTION OF STREAM	Present Condition	Adopted Standard
Coginchaug River from Wallingford Road Durham to confluence with Mattabassett River	B	B
Salmon River from source to confluence with Pine Brook	A & B	A
Salmon River from Pine Brook to mouth	B	B
Pine Brook from Pocotopaug Creek to mouth	C	B
Pocotopaug Creek from Pocotopaug Lake to mouth	B & C	B
Moodus River from inlet of Moodus Reservoir to mouth	C	B
All other streams and sections of streams		A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SCc
SB
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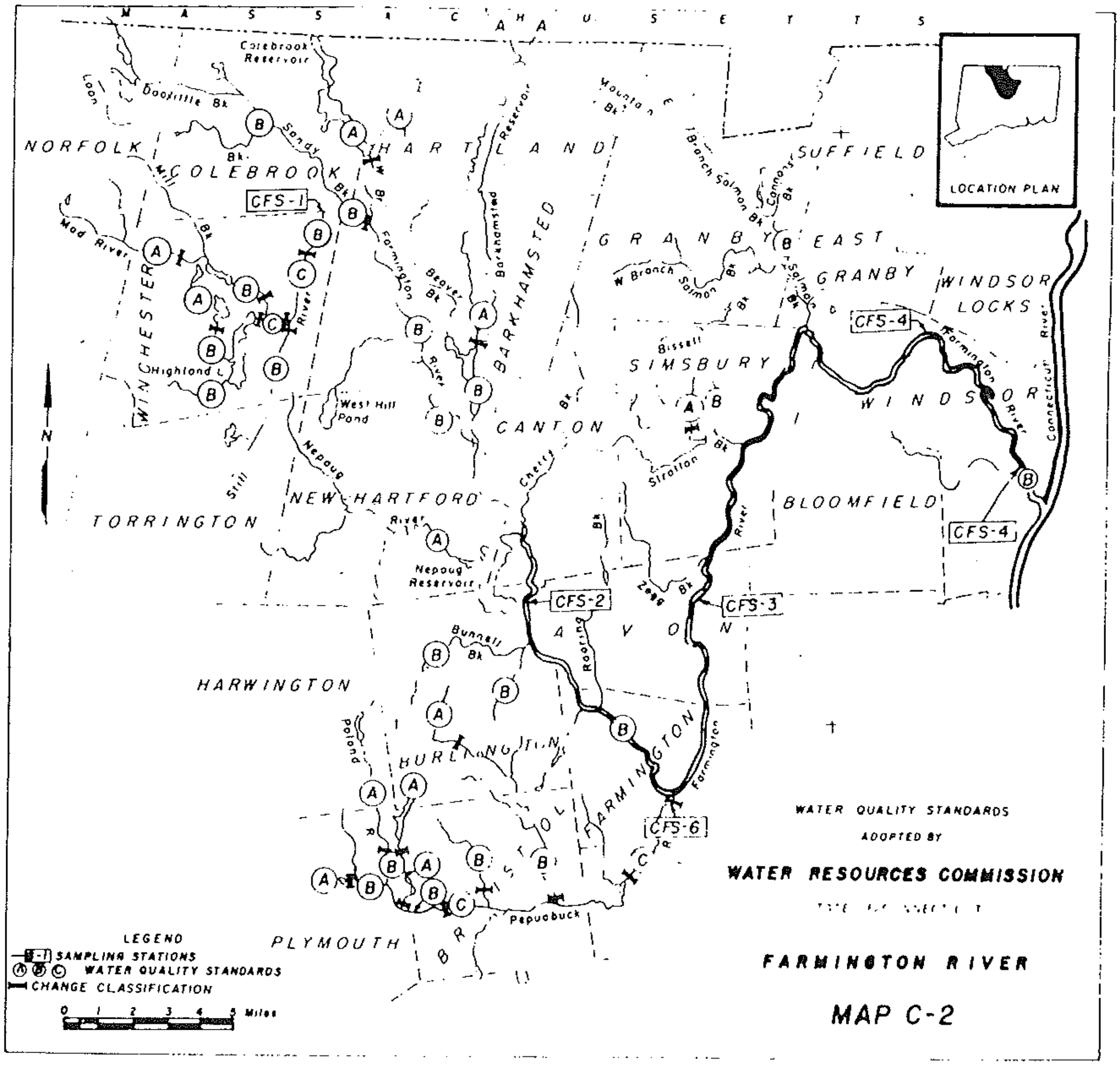
WINDSOR
BLOOMFIELD
WEST HARTFORD
HARTFORD
EAST HARTFORD
MANCHESTER
BOLTON
GLASTONBURY
HEBRON
NEW BRITAIN
WETHERSFIELD
ROCKY HILL
BERLIN
CROMWELL
PORTLAND
EAST HAMPTON
COLCHESTER
MIDDLE HADDAM
EAST HADDAM
SALEM
DURHAM
CHESTER
DEEP RIVER
ESSEX
LYME
OLD LYME
OLD SAYBROOK
Long Island Sound
LEGEND
SAMPLING STATIONS
WATER QUALITY STANDARDS CHANGE CLASSIFICATION
SCALE IN MILES
WATER QUALITY STANDARDS ADOPTED BY
WATER RESOURCES COMMISSION
STATE OF CONNECTICUT
CONNECTICUT RIVER
MAP C-1



MASSACHUSETTS
NORFOLK
COLEBROOK
HARTLAND
SUFFIELD
GRANBY
EAST GRANBY
WINDSOR LOCKS
WINCHESTER
BARKHAMSTED
SIMSBURY
WINDSOR
CANTON
BLOOMFIELD
TORRINGTON
NEW HARTFORD
AVON
HARWINGTON
BURLINGTON
FARMINGTON
BRISTOL
PLYMOUTH
CFS-1
CFS-2
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LOCATION PLAN
LEGEND
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WATER QUALITY STANDARDS
CHANGE CLASSIFICATION
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WATER QUALITY STANDARDS
ADOPTED BY
WATER RESOURCES COMMISSION
FARMINGTON RIVER
MAP C-2

THAMES RIVER WATERSHED

(All interstate streams and sections of streams are designated by asterisks)

SECTION OF STREAM	Present Condition	Adopted Standard
*Quinebaug River from the Conn.-Mass. State Line downstream to a point One-Half Mile downstream from Fall Brook	C & D	Cc
*Quinebaug River from a point One-Half Mile downstream from Fall Brook to the Junction of Palmer Brook	C	B
*Quinebaug River from the Junction of Palmer Brook downstream to Jewett City	B	B
*Quinebaug River from Jewett City downstream to the Junction of Broad Brook	D	Cc
*Quinebaug River from the Junction of Broad Brook downstream to the Junction of the Quinebaug River with the Shetucket River	C	B
*French River from Conn.-Mass. State Line downstream to the Village of Grosvenordale	E	C
*French River from the Village of Grosvenordale downstream to Mechanicsville at the Junction of Quinebaug River	D	C
Little River from source to Peake Brook Road	A	A
Little River from Peake Brook Road to Junction with the Quinebaug River	C	B
Wappoquia Brook from a point One-Fourth Mile downstream from Route 97 bridge to a point Three-Fourths Mile downstream from Route 97 bridge	D	B
Wappoquia Brook from a point Three-Fourths Mile downstream from Route 97 bridge to a point One and One-Fourth Miles downstream from Route 97 bridge	C	B

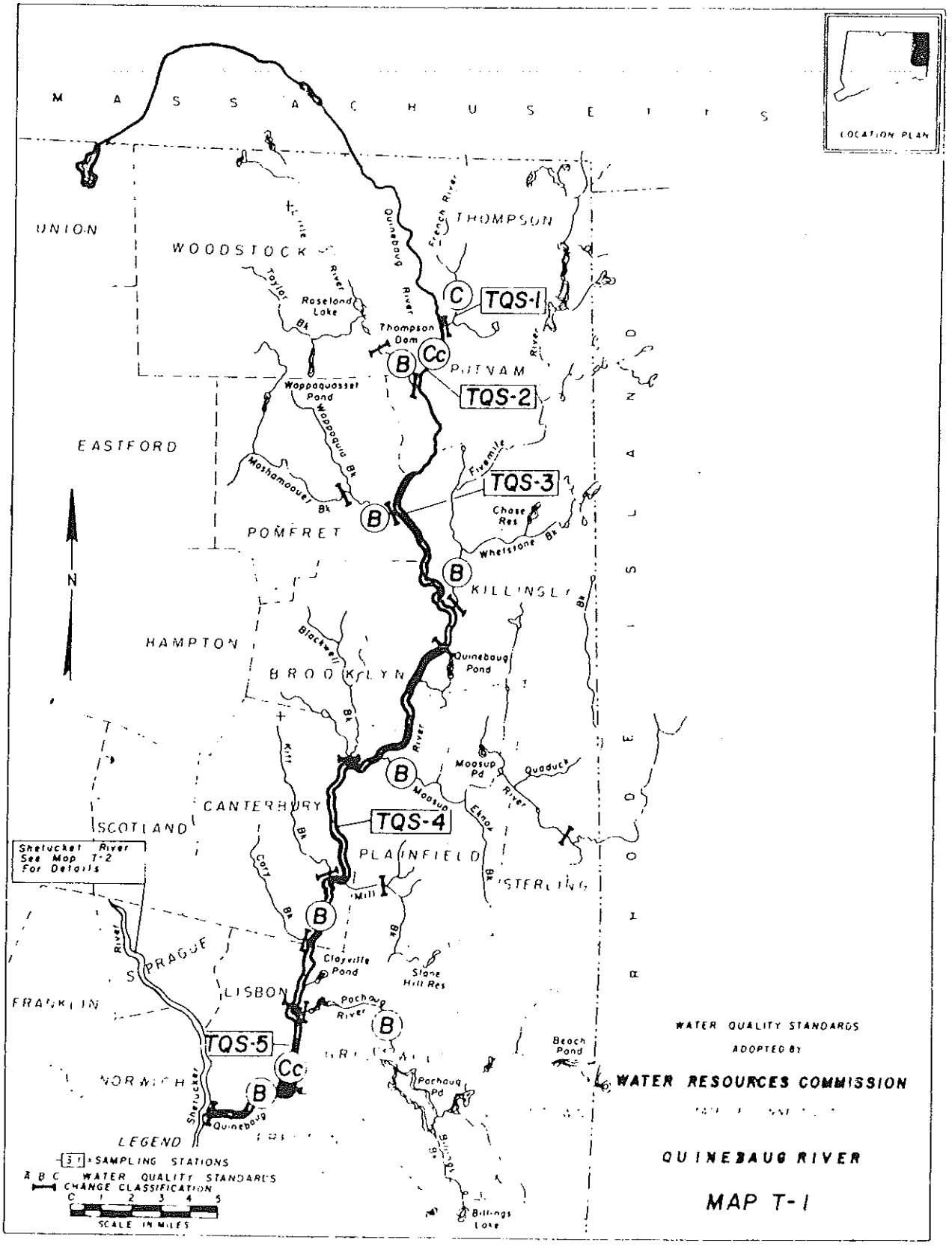
THAMES RIVER WATERSHED - continued

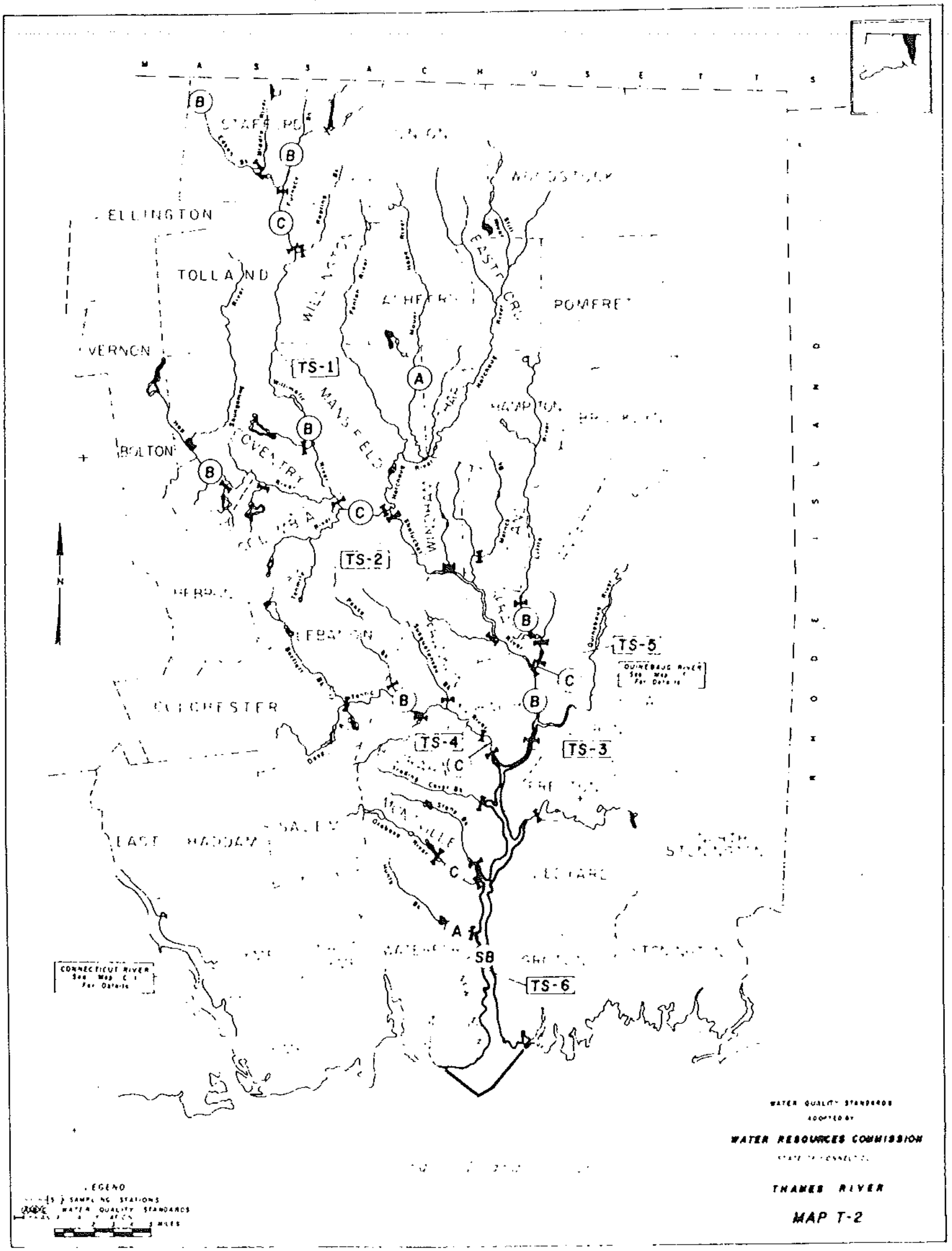
SECTION OF STREAM	Present Condition	Adopted Standard
Wappoquia Brook from a point One and One-Fourth Miles downstream from Route 97 downstream to the N.Y., N.H. & H.R.R. bridge	D	B
Wappoquia Brook from the N.Y., N.H. & H.R.R. bridge downstream to Junction with Mashamoquet Brook	B	B
Mashamoquet Brook from Junction with Wappoquia Brook downstream to the Junction with the Quinebaug River	B	B
*Whetstone Brook from Conn.-R.I. State Line (Killingly Pond) to East Killingly	B	B
*Whetstone Brook from East Killingly to a point One Mile downstream from East Killingly	C	B
*Whetstone Brook from a point One Mile below East Killingly downstream to a point Two Miles below East Killingly	D	B
*Whetstone Brook from a point Two Miles below East Killingly downstream to the junction of Five Mile River	C	B
*Five Mile River from source to Pineville	B	B
*Five Mile River from Pineville downstream to the Borough of Danielson, North Boundary	B	B
*Five Mile River from the North Boundary of the Borough of Danielson downstream to the junction of the Quinebaug River	D	B
*Interstate tributaries from Mass. & R.I. State Lines to Five Mile River	B	B
*Moosup River from Conn.-R.I. State Line to Oneco	A	A
*Moosup River from Oneco downstream to Sterling	C	B
*Moosup River from Sterling downstream to Almyville	D	B

SECTION OF STREAM	Present Condition	Adopted Standard
*Moosup River from Almyville downstream to the junction of Apple Tree Brook	E	B
*Moosup River from the junction of Apple Tree Brook downstream to the junction with the Quinebaug River	C	B
Mill Brook upstream from Plainfield	A	A
Mill Brook from Plainfield to mouth	C	B
*Pachaug River - Beach Pond	B	B
*Pachaug River from outlet of Beach Pond downstream to junction Great Meadow Brook	C	B
*Pachaug River from junction of Great Meadow Brook downstream to Voluntown	B	B
*Pachaug River from Voluntown downstream to outlet of Doaneville Pond	C	B
*Pachaug River from outlet of Doaneville Pond downstream to Glasgo	B	B
*Pachaug River from Glasgo to a point One Mile downstream from Glasgo	D	B
*Pachaug River from a point One Mile downstream from Glasgo to the head of Ashland Pond	B	B
*Pachaug River - Ashland Pond	C	B
*Pachaug River from outlet of Ashland Pond downstream to the junction with the Quinebaug River	E	B
Shetucket River from confluence of Willimantic and Natchaug Rivers to confluence with Quinebaug River	B & C	B
*Shetucket from confluence with Quinebaug to Greenville Dam, Norwich	B & C	B
*Shetucket and Thames Rivers from Greenville Dam, Norwich to mouth (Shellfish Closure Line)	SC	SB

THAMES RIVER WATERSHED - continued

SECTION OF STREAM	Present Condition	Adopted Standard
Willimantic River from confluence of Middle River and Furnace Brook to confluence with Roaring Brook	D	C
Willimantic River from Roaring Brook to Hop River	D	B
Willimantic River from Hop River to mouth	C	C
Middle River from Edson Brook to mouth	B & D	B
Edson Brook from source to mouth	B	B
Furnace Brook from outlet of Staffordville Reservoir to mouth	B	B
Hop River from source to mouth	B	B
Little River from outlet of Hanover Pond to outlet of Paper Mill Pond	B	B
Little River from outlet of Versailles Pond to mouth	D	C
Yantic River from confluence with Deep River to confluence with Bobbin Mill Brook	C	B
Yantic River from Bobbin Mill Brook to mouth	C & D	C
Oxoboxo River from outlet of Wheeler Pond to mouth	D	C
Hunts Brook from source to mouth	A, B & C	A
All other streams and sections of streams		A


MASSACHUSETTS
LOCATION PLAN
UNION
WOODSTOCK
THOMPSON
EASTFORD
PUTNAM
POMFRET
KILLINGLY
HAMPTON
BROOKLYN
CANTERBURY
SCOTLAND
PLAINFIELD
STERLING
SPRAGUE
LISBON
FRANKLIN
NORWICH
TQS-1
TQS-2
TQS-3
TQS-4
TQS-5
C
Cc
B
N
Roselond Lake
Thompson Dam
Wappaquassat Pond
Moshamoquet Bk
Fivemile
Chase Res
Whetstone Bk
Blackwell
Quinebaug Pond
Moosup Pd
Quaduck
Moosup
Ekonk
Cory Bk
Mill
Clayville Pond
Stone Mill Res
Pachaug River
Pachaug Pd
Beach Pond
Billings Lake
Shetucket River
See Map T-2
For Details
LEGEND
31 SAMPLING STATIONS
A B C WATER QUALITY STANDARDS
CHANGE CLASSIFICATION
SCALE IN MILES
WATER QUALITY STANDARDS
ADOPTED BY
WATER RESOURCES COMMISSION
QUINEBAUG RIVER
MAP T-1


M A S S A C H U S E T T S
ELLINGTON
TOLLAND
VERNON
BOLTON
POMFRET
COLCHESTER
EAST HADDAM
TS-1
TS-2
TS-3
TS-4
TS-5
TS-6
SB
CONNECTICUT RIVER See Map C-1 For Details
QUINEBAUG RIVER See Map For Details
N
LEGEND
SAMPLING STATIONS
WATER QUALITY STANDARDS
MILES
WATER QUALITY STANDARDS
ADOPTED BY
WATER RESOURCES COMMISSION
THAMES RIVER
MAP T-2

LONG ISLAND SOUND WATERSHED

(All interestate streams and sections of streams are designated by asterisks)

SECTION OF STREAM	Present Condition	Adopted Standard
*Long Island Sound outside Shellfish Closure Lines from Conn.-New York State Line to Conn.-R. I. State Line	SA	SA
*East Branch Byram River from Conn.-New York State Line to Byram River	B	B
*Byram River from Conn.-New York State Line to Glenville Road, Glenville	B	B
*Byram River from Glenville Road, Glenville to American Felt Company	C	B
*Byram River from American Felt Company to Comly Avenue	D	C
*Byram River from Comly Avenue to Route 1	C	C
*Byram River - Route 1 to tidewater	D	C
*Byram River - tidewater to mouth	SD	SC
Converse Lake, Converse Pond Brook and tributaries to diversion to Putnam Lake	A	A
Converse Pond Brook from Diversion to East Branch Byram River	B	B
Horse Neck Brook from outlet of Putnam Lake to tidewater	B	B
*East Branch, Mianus River from Conn.-New York State Line to Mianus River	A	A
*Mianus River from Conn.-New York State Line to Mianus Water Filter Plant	A	A
*Mianus River from Mianus Water Filter Plant to tidewater	B	B
*Long Island Sound and Estuaries inside Greenwich Shellfish Closure Line	SB	SB
*Rippowam River from Conn.-New York State Line to North Stamford Reservoir	A	A

SECTION OF STREAM	Present Condition	Adopted Standard
*Mill River from Conn.-New York State Line to Laurel Reservoir, Laurel Reservoir and outlet to Rippowam River	A	A
*Mill River in Ridgefield from source to Conn.-New York State Line	A	A
*Rippowam River from North Stamford Reservoir to junction of Ayer Brook	B	B
*Rippowam River from junction of Ayer Brook to tidewater	C	B
*West Branch Stamford Harbor inside line 3000 feet downstream from Pulaski Street Bridge	SC	SC
*East Branch Stamford Harbor inside Hurricane Barrier	SC & SD	SC
*Stamford Harbor and adjacent areas from line 3000 feet downstream from Pulaski Street Bridge and from Hurricane Barrier to Stamford-Darien Shellfish Closure Line	SC	SB
Noroton River from source to tidewater	C	B
*Five Mile River from Conn.-New York State Line to New Canaan Reservoir	A	A
*Five Mile River from New Canaan Reservoir to New Canaan Sewage Treatment Plant	B	B
*Five Mile River from New Canaan Sewage Treatment Plant to tidewater	C	C
*Five Mile River tidal waters inside Shellfish Closure Line	SB	SB
Norwalk River from source to Glover Road	C	B
Norwalk River from Glover Road to Silvermine River	C	C
*Norwalk River from Silvermine River to tidewater	C	C
*Silvermine River from Conn.-New York State Line to outlet of Grupes Reservoir, including John D. Milne Reservoir	A	A

SECTION OF STREAM	Present Condition	Adopted Standard
*Silvermine River from outlet of Grupes Reservoir to junction with Norwalk River	B	B
*East and West Branches Silvermine River and tributaries, source to Conn.-New York State Line	A	A
*Norwalk Harbor inside line extending from Keyser Point to Calfpasture Point	SC & SD	SC
*Norwalk Harbor and adjacent areas between line extending from Keyser Point to Calfpasture Point and the Norwalk Shellfish Closure Line	SB	SB
*Saugatuck River tidal waters inside Shellfish Closure Line	SB	SB
*Sherwood Mill Pond inside Shellfish Closure Line	SB	SB
Mill River, Fairfield, from Samp Mortar Reservoir to tidewater	B & C	B
*Mill River tidal waters inside Shellfish Closure Line	SB	SB
Rooster River from Horse Tavern Brook to tidewater	B, C & D	B
Horse Tavern Brook from source to mouth	B	B
*Ash Creek, Black Rock Harbor and Bridgeport Harbor	SD	SC
*Tidal waters outside Ash Creek, Black Rock Harbor and Bridgeport Harbor and inside Bridgeport Shellfish Closure Line	SB & SC	SB
Pequonnock River from Whitney Avenue, Trumbull, to tidewater	B	B
Bruce Brook from source to tidewater	D	C
Wepawaug River from outlet of Wepawaug Reservoir to tidewater	B	B
Indian River from source to tidewater	B & C	B

LONG ISLAND SOUND WATERSHED - continued

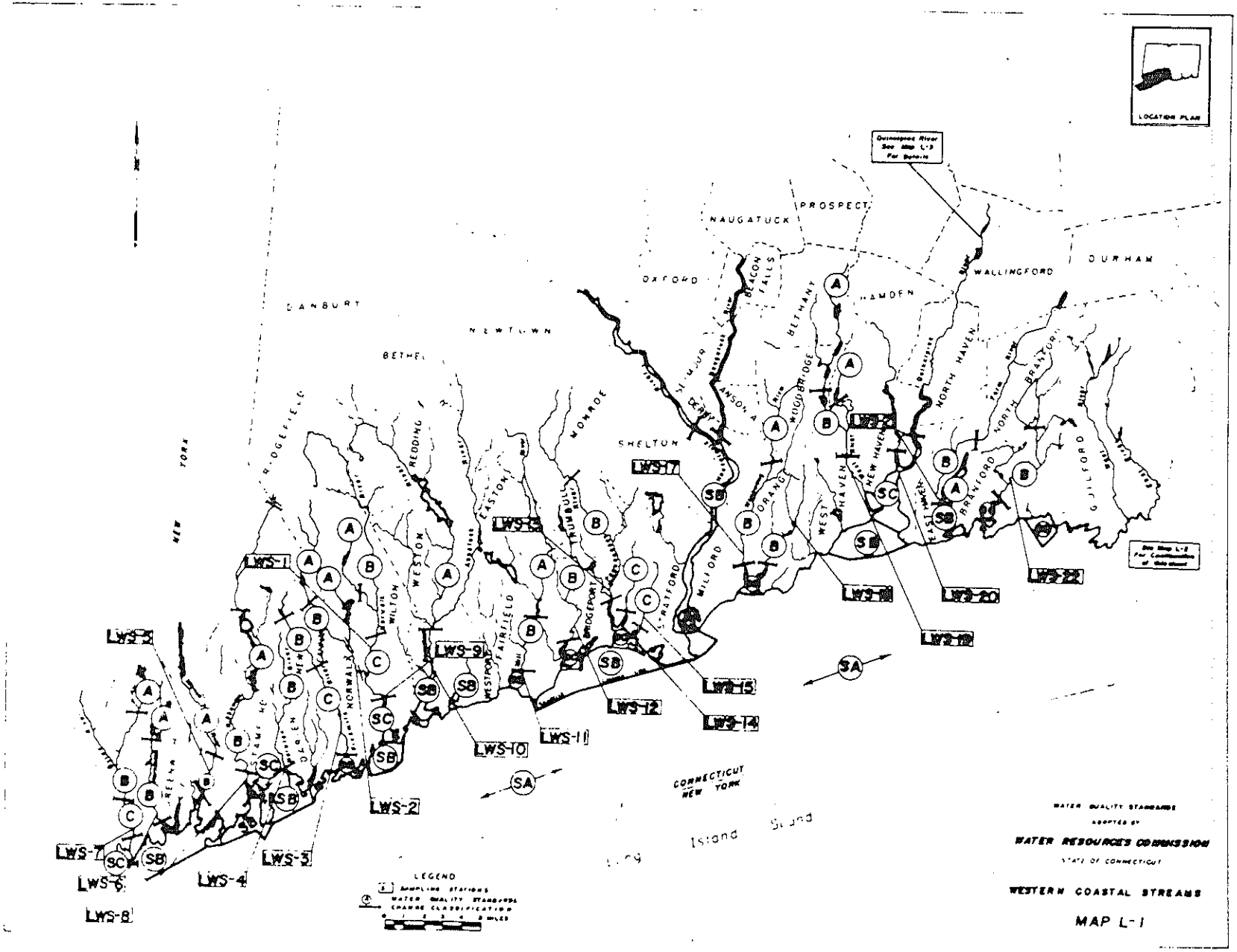
SECTION OF STREAM	Present Condition	Adopted Standard
*Milford Harbor, Gulf Pond and The Gulf inside Milford Shellfish Closure Line	SB	SB
West River from outlet of Lake Dawson to tidewater	B	B
Wintergreen Brook from outlet of Lake Wintergreen to confluence with West River	B	B
Quinnipiac River from source to tidewater	C & D	B
*Quinnipiac River from tidewater to mouth	SD	SC
Eightmile River from source to inlet of Plants Pond	B	B
Eightmile River from inlet of Plants Pond to mouth	C	C
Ten Mile River from confluence with Cuff Brook to mouth	B	B
Misery Brook from source to mouth	B	B
Harbor Brook from source to mouth	C & D	B
Spoon Shop Brook from source to mouth	B	B
Willow Brook from source to mouth	B	B
Clark Brook from source to mouth	D	B
Sodom Brook from source to mouth	C	B
Wharton-Catlin Brook from source to mouth	B	B
Muddy River from Pine River Reservoir outlet to mouth	B	B
Mill River from outlet of Lake Whitney to State Street	C	B
*Mill River from State Street to mouth	SD	SC

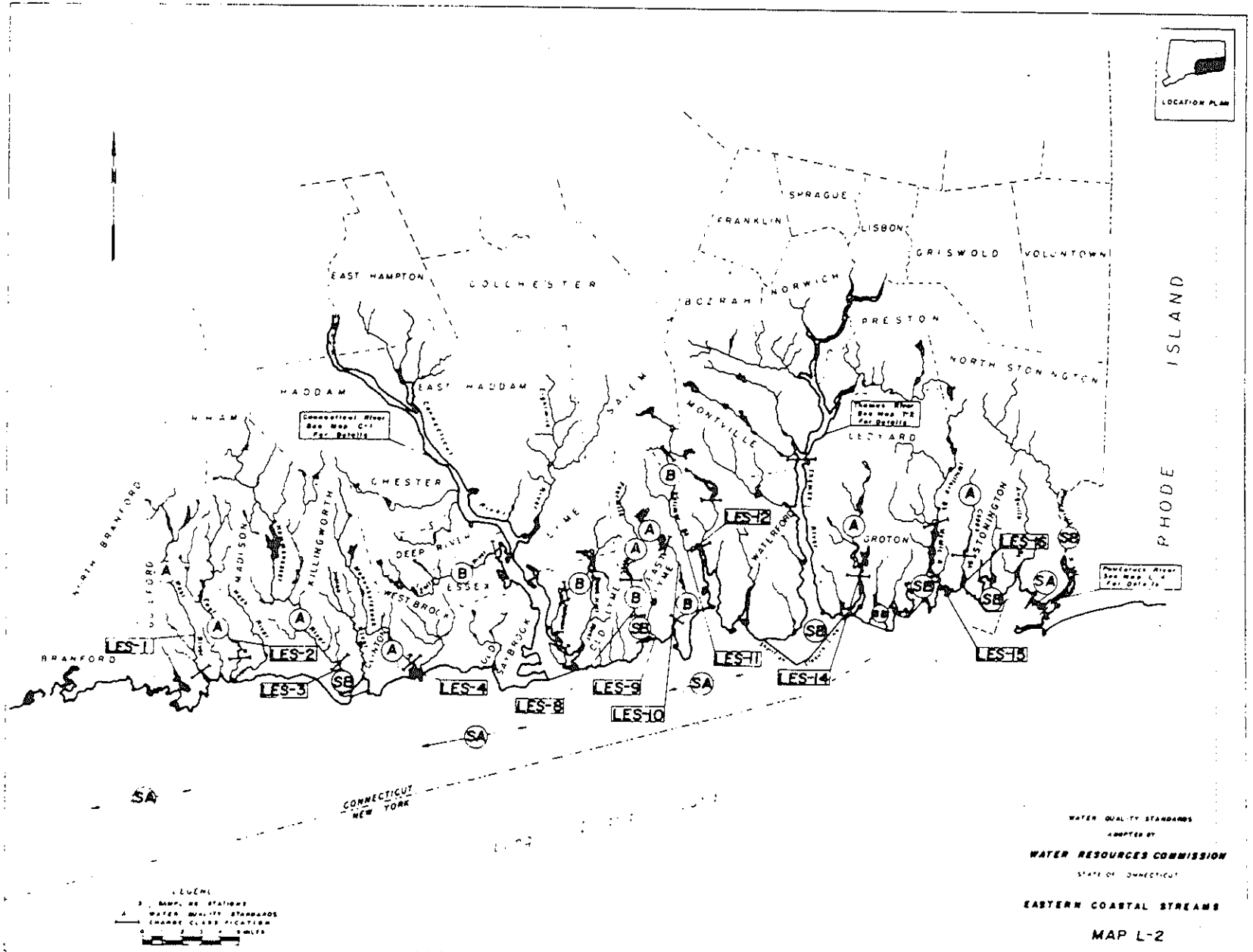
SECTION OF STREAM	Present Condition	Adopted Standard
*New Haven Harbor inside line extending from Morse Park to Lighthouse Point	SD	SC
*New Haven Harbor between line extending from Morse Park to Lighthouse Point and the New Haven Shellfish Closure Line	SC	SB
Farm River from Lake Saltonstall diversion tunnel to tidewater	B	B
*East Haven River tidal waters inside Shellfish Closure Line	SB	SB
Branford River from Lake Gaillard outlet to tidewater	B	B
*Branford River from tidewater to Branford Point (Shellfish Closure Line)	SC	SC
*Tidal waters inside Thimble Islands - Stony Creek, Branford, Shellfish Closure Line	SB	SB
West River from Route 80 to tidewater	A	A
*Clinton Harbor inside Shellfish Closure Line	SB	SB
Falls River from source to tidewater	B & C	B
Lieutenant River from source to tidewater	B	B
Fourmile River source to Plant's Dam	A	A
Fourmile River from Plant's Dam to tidewater	B	B
*Fourmile River tidal waters and adjacent areas inside Rocky Neck Shellfish Closure Line	SB	SB
*Bride Brook tidal waters inside Bride Brook Shellfish Closure Line	SB	SB
Pataguanset River from source to outlet of Pataguanset Lake	A	A
Pataguanset River outlet of Pataguanset Lake to mouth	B & C	B

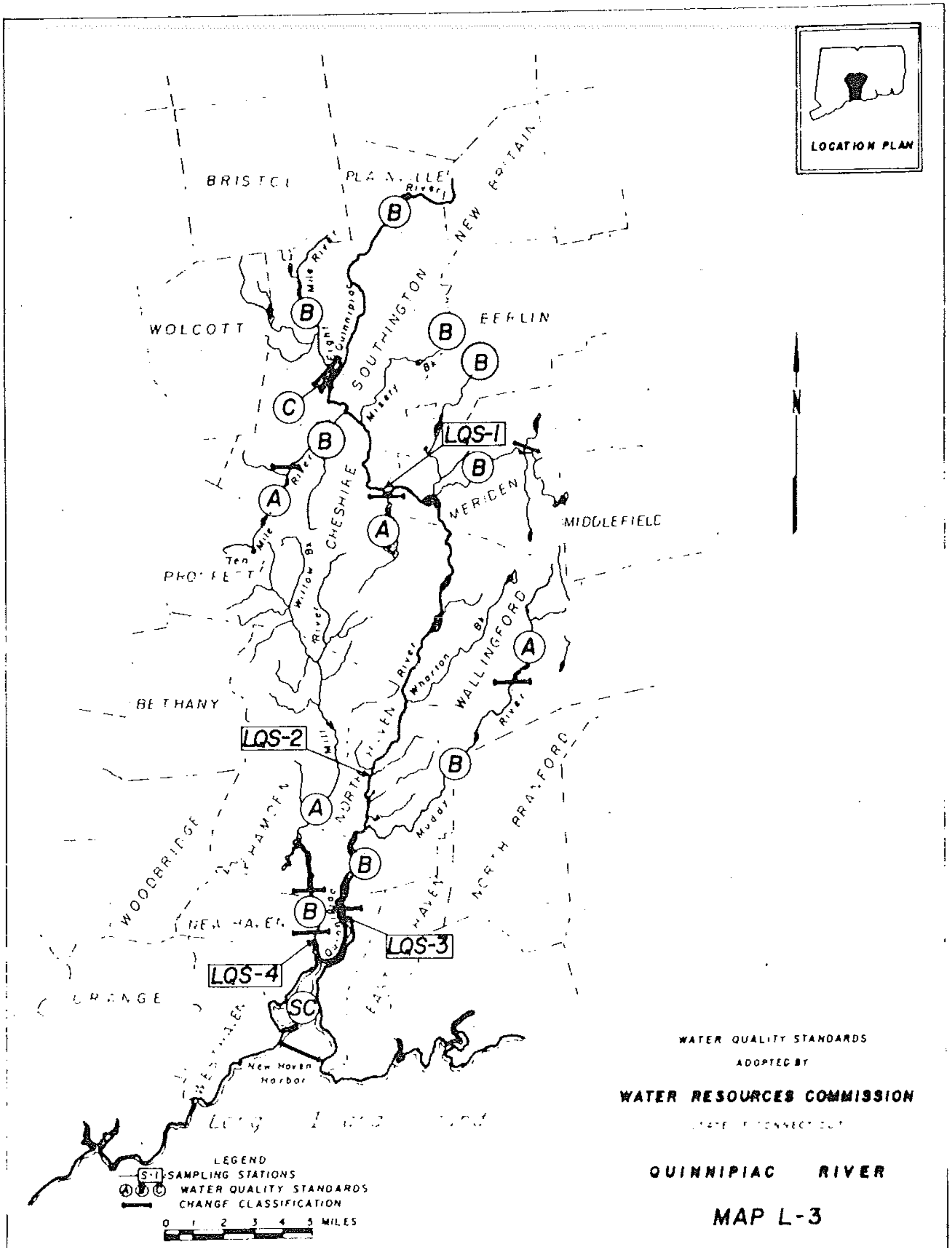
LONG ISLAND SOUND WATERS

SECTION OF STREAM	
Lattimer Brook from outlet of Beckwith Pond to tidewater	
Lakes Pond Brook from outlet of Lake Konomoc to tidewater	
*Baker Cove tidal waters inside Groton-N[illegible] London Shellfish Closure Line	
*Mumford Cove tidal waters inside Shellfi[illegible] Closure Line	
*Mystic River tidal waters inside Shell[illegible] Closure Line	
*Tidal waters inside Stonington Shellfi[illegible] Closure Line from Wamphassuck Point to Palmer Neck Road in Barn Island Hunting Area	
*Tidal waters inside Stonington Shellf[illegible] Closure Line from Palmer Neck Road in [illegible] Island Hunting Area to line from Pawca[illegible]k Point to Rhodes Point	
*Pawcatuck River from Connecticut-Rhod[illegible] Island State Line to a point One-Half Mile downstream from Ashaway River	
*Pawcatuck River from a point One-Half Mile downstream from Ashaway River to [illegible] junction of the Tributary Stream just East of Boom Bridge	
*Pawcatuck River from a point from th[illegible] junction of the Tributary Stream jus[illegible] East of Boom Bridge to the junction [illegible] Shannock River	
*Pawcatuck River from the junction o[illegible] Shannock River to Stillmanville Bri[illegible]	
*Pawcatuck River from Stillmanville Bridge to tidewater	

SECTION OF STREAM	Present Condition	Adopted Standard
*Pawcatuck River from tidewater to Pawcatuck Rock	SD	SCc
*Pawcatuck River from Pawcatuck Rock to a line from Pawcatuck Point to Rhodes Point	SC	SB
All other non-tidal streams and sections of streams		A
*All other tidal estuaries		Same as adjacent Long Island Sound Standard


LOCATION PLAN
DANBURY
NEWTOWN
BETHEL
REDDING
RIDGEFIELD
NEW YORK
WESTON
WILTON
NORWALK
DARIEN
STAMFORD
GREENWICH
NEW CANAAN
EASTON
MONROE
TRUMBULL
SHELTON
FAIRFIELD
WESTPORT
BRIDGEPORT
MILFORD
ORANGE
WEST HAVEN
NEW HAVEN
OXFORD
NAUGATUCK
BEACON FALLS
PROSPECT
WATERBURY
NAUGATUCK RIVER
SEE MAP L-3 FOR DETAIL
BETHANY
HAMDEN
WALLINGFORD
DURHAM
NORTH HAVEN
EAST HAVEN
BRANFORD
NORTH BRANFORD
GUILFORD
EAST RIVER
QUINNIPIAC RIVER
SEE MAP L-2 FOR DETAIL OF THIS AREA
LWS-1
LWS-2
LWS-3
LWS-4
LWS-5
LWS-6
LWS-7
LWS-8
LWS-9
LWS-10
LWS-11
LWS-12
LWS-13
LWS-14
LWS-15
LWS-16
LWS-17
LWS-18
LWS-19
LWS-20
LWS-21
LWS-22
SA
SB
SC
CONNECTICUT
NEW YORK
Island
Sound
LEGEND
SAMPLING STATIONS
WATER QUALITY STANDARDS
CHANGE CLASSIFICATION
WATER QUALITY STANDARDS
ADOPTED BY
WATER RESOURCES COMMISSION
STATE OF CONNECTICUT
WESTERN COASTAL STREAMS
MAP L-1


LOCATION PLAN
EAST HAMPTON
COLCHESTER
HADDAM
EAST HADDAM
CHESTER
DEEP RIVER
ESSEX
WESTBROOK
CLINTON
MADISON
KILLINGWORTH
BRANFORD
NORTH BRANFORD
GUILFORD
HAM
SALEM
LYME
OLD SAYBROOK
OLD LYME
EAST LYME
MONTVILLE
BOZRAH
NORWICH
FRANKLIN
SPRAGUE
LISBON
PRESTON
GRISWOLD
VOLUNTOWN
NORTH STONINGTON
LEDYARD
GROTON
STONINGTON
PAWCATUCK
RHODE ISLAND
WATERFORD
NEW LONDON
LES-1
LES-2
LES-3
LES-4
LES-8
LES-9
LES-10
LES-11
LES-12
LES-14
LES-15
LES-16
SA
SB
A
B
CONNECTICUT
NEW YORK
LEGEND
WATER QUALITY STANDARDS
CHANGE CLASSIFICATION
WATER QUALITY STANDARDS
ADOPTED BY
WATER RESOURCES COMMISSION
STATE OF CONNECTICUT
EASTERN COASTAL STREAMS
MAP L-2



WATER QUALITY STANDARDS

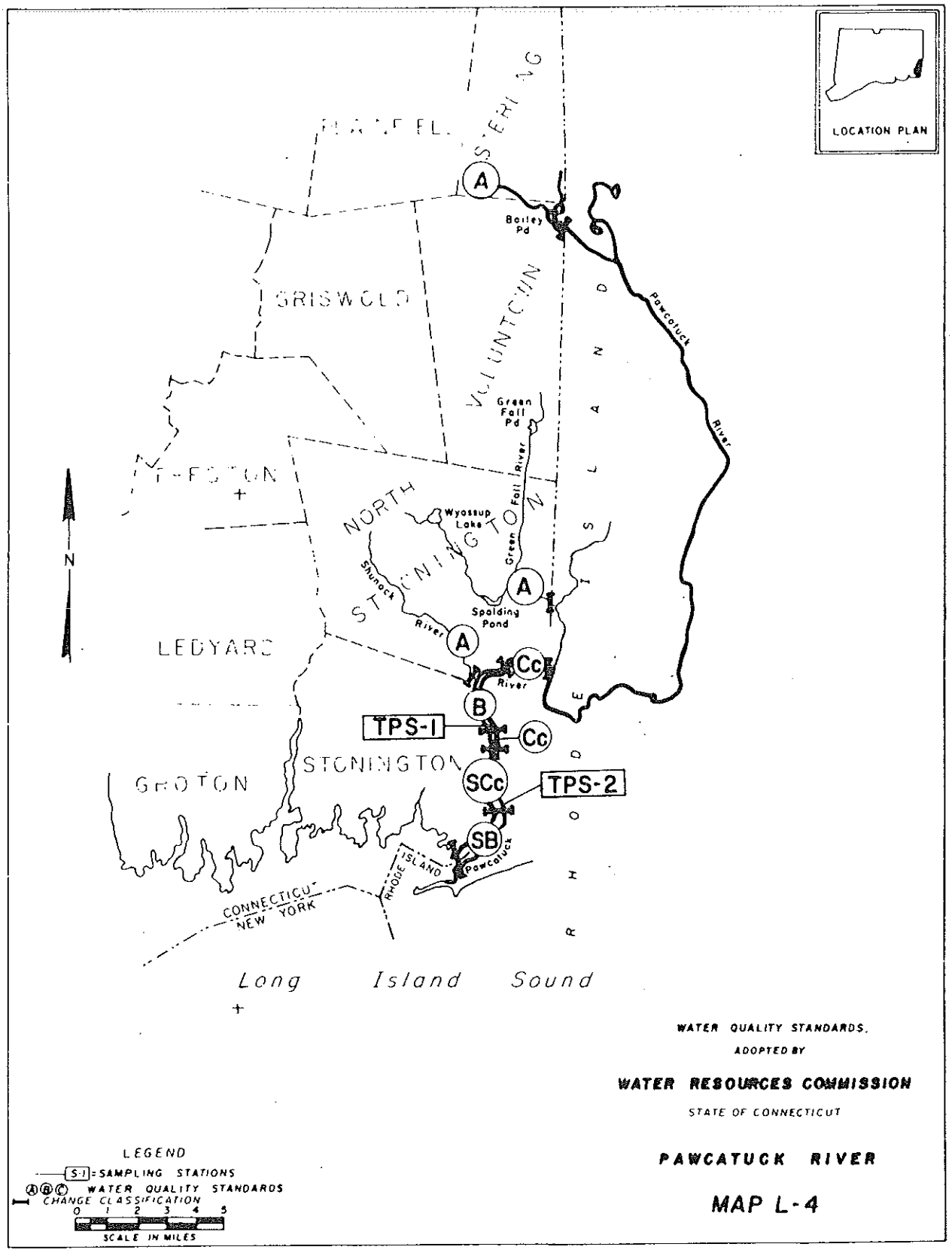
ADOPTED BY

WATER RESOURCES COMMISSION

STATE OF CONNECTICUT

QUINNIPIAC RIVER

MAP L-3


LOCATION PLAN
GRISWOLD
NORTH STONINGTON
LEDYARD
GROTON
STONINGTON
Bailey Pd
Green Fall Pd
Wyassup Lake
Shunock River
Spalding Pond
Green Fall River
Pawcatuck River
A
Cc
B
SCc
SB
TPS-1
TPS-2
CONNECTICUT
NEW YORK
RHODE ISLAND
Long Island Sound
N
LEGEND
S-1 = SAMPLING STATIONS
ABC WATER QUALITY STANDARDS CHANGE CLASSIFICATION
0 1 2 3 4 5
SCALE IN MILES
WATER QUALITY STANDARDS,
ADOPTED BY
WATER RESOURCES COMMISSION
STATE OF CONNECTICUT
PAWCATUCK RIVER
MAP L-4