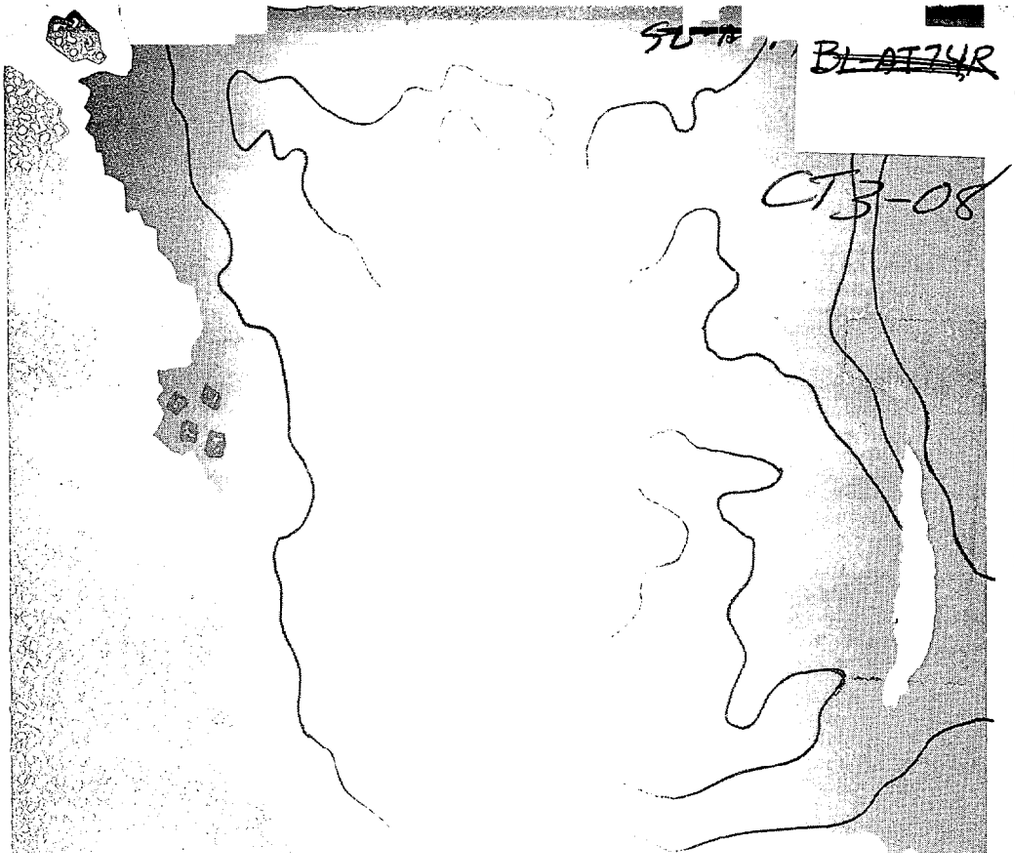
A Socio-Economic and Environmental Inventory of the North Atlantic Region

Sandy Hook to Bay of Fundy

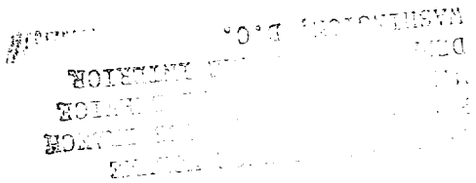


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A

Socio-Economic and Environmental Inventory of the North Atlantic Region

including the Outer Continental Shelf and adjacent waters from Sandy Hook, New Jersey, to Bay of Fundy

VOLUME I

Book 5

Submitted to Bureau of Land Management, Marine Minerals Division

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November 1974

The Research Institute of the Gulf of Maine
Box 2320
South Portland, Maine

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17.1 WATER QUALITY

17.1.1 INTRODUCTION

The following discussion on water quality in the study area is largely concerned with (1) the general condition of surface water resources, both saline and fresh, (a detailed description is to be found in Chapters 3 and 4, Sections 3.3 and 4.4), (2) an inventory of point sources of pollution from available federal and state publications and data banks, and (3) a discussion of the standards and classification schemes (present and future) which are intended to regulate point discharges. It is realized that many other aspects of water quality pertain to the present problem of assessing potential impacts from offshore oil and gas development. These include an inventory of water quality monitoring efforts (such as that by Interstate Electronics Corporation, 1973 draft to EPA), consideration of water quality modeling efforts, a discussion of present waste treatment systems; including estimates of sewered and non-sewered areas, a discussion of ground water quality problems, and a fuller treatment of non-point sources of pollution of which a brief discussion is included in the following text. Furthermore, it is realized that data herein presented are subject to rapid modification as new sources of pollution are created and, conversely, as new treatment facilities are installed. For this reason, the following sections have attempted to direct the user to data centers where up-to-date information may be readily obtained.

17.1.2 SURFACE WATER CLASSIFICATION AND STANDARDS

In 1965, the Federal Water Quality Act was passed which required the states to draw up water pollution control plans including minimum water quality standards to be met in their interstate waters. Waters were then classed by use (i.e., recreation, public water, waste disposal, etc.) and standards established accordingly. Tables 17-1 through 17-9 present the classification schemes and standards developed by the states in the present study region. Figures 17-1 through 17-39 define the classifications then assigned to the surface waters. It should be noted that assigned classifications do not necessarily indicate present water quality conditions. In many cases, waters must be upgraded in quality to meet the proposed classification. Section 17.1.3 will describe the existing water quality in the major river basins, many of "which are "substandard."

17.1.3 EXISTING WATER QUALITY

This discussion is intended to present general information on existing water quality of major rivers and estuaries, with emphasis on areas known to be particularly problematic. Chapters 3.3 and 4.3 of this report discuss in detail the available data on the chemical oceanogra-

phy of coastal and continental shelf waters, with emphasis on biologically active natural components (nutrients, dissolved gases such as oxygen and nitrogen, pH, and dissolved organic compounds such as urea and dissolved organic carbon), trace metals, organic pollutants (oil, pesticides, polychlorobiphenyls) and suspended matter.

KEY DETERMINANTS OF WATER QUALITY

Before discussing water quality conditions of specific areas, factors influencing water quality will be briefly detailed.

First and most evident, nearly all significant coastal pollution problems are downstream from urban concentrations. Estuaries downstream from the Charles River, Taunton River, Providence area streams, the Hudson River and the Passaic River, are notable examples. Several other determinants are related to the hydrology of a particular area. For instance, poorly flushed, low energy back bays tend to intensify pollution problems, whereas high energy open coastline is less susceptible to problems. These determinants are a function of both tidal effects and the rate and volume of freshwater inflow to an area (which is subject to natural and man-induced fluctuations). Temperature is another factor which intensifies most pollution. Higher temperatures occur both naturally, with seasonal changes, and as a result of man's activities, such as thermal discharges from power plants and industrial processes. Finally, the natural characteristics of an area including geology, morphology and hydrology will affect the "natural background" of certain parameters such as nutrient levels, oxygen levels, and dissolved solids. The natural background levels of these and other parameters, together with the determinants discussed above, will define the tolerance of an area to the input of various substances, commonly termed, "the carrying capacity" of an area.

The following discussion will describe the general conditions of specific estuaries and rivers. Information has been obtained primarily from state and federal studies which range greatly in age. Consequently, these descriptions are not necessarily comparable and must be taken as indicative only.

WATER QUALITY PROBLEM AREAS - OVERVIEW

There are several ways one could define a "waterquality problem area." As a result of the Federal Water Pollution Control Act Amendments of 1972, (Title III, Section 303e), states have been required to develop water quality management plans for all navigable waters, for submission to the Environmental Protection Agency (EPA). Part of this effort has involved designating "water quality limited segments," defined as a "segment in which water quality standards will be violated even when effluent limitations, as required by Sections 301 (b) (1) (A) and 301 (b) (1) (B) of the Act are applied. " Figure 17-40 depicts water

quality limited segments as recorded in EPA files as of October, 1973. This map is preliminary and incomplete. Lakes and ponds considered as water quality limited have not been recorded, for instance. The Maine Department of Environmental Protection has listed these, as well as river reaches, in its listing dated April, 1973 (see Tables 17-30 and 17-31). Other states may have made similar listings and ought to be consulted prior to any localized, onshore analysis.

The above discussion on water quality limited segments is concerned with future water quality problem areas, when "effluent limitations ..* are applied." Existing problem areas have been described by various state and federal agencies in terms of the use classification schemes, discussed previously (Section 17.1.2). New England River Basins Commission (1970), summarized water quality conditions in New England in both tabular and graphic form, indicating waters "unsuitable for most uses," from sources dated 1967 (see Table 17-34 and Figure 17-41). *More* detailed records exist in some state and regional agency documents. Figures 17-42 through 17-49, taken from a 1969 Maine Water Resources Plan (Hunter and Goodnow, 1969) depict substandard waters in Maine 5 years ago. Table 17-33 shows the present conditions of northern Massachusetts rivers. Figures 17-50 and 17-51 show the existing and proposed water quality classifications of Rhode Island waters in 1967 (comparison will define substandard areas). Present (1973) and proposed water quality conditions of Connecticut and Long Island Sound drainage areas are listed in Table 17-32, including the Thames River Watershed, Connecticut River Watershed, Housatonic River Watershed, and Long Island Sound Watershed. Substandard areas ares hewn on Figure 17-52. The latter study was conducted by the Connecticut Department of Environmental Protection for the Long Island Sound Study (NERBC, ongoing). No comparable documents exist for New Hampshire.

Another definition of water quality problem areas results from the efforts of state health and marine resources agencies to identify areas contaminated by domestic sewage wastes, as indicated by coliform bacterial counts. The resulting records are used primarily to determine whether certain areas must be closed to shellfish harvesting and swimming. It"has been suggested that coliform counts are a highly questionable index of potential health problem areas, as saline waters are natural culturing agents for these bacteria (hence counts may be deceptively high). Nevertheless, these are still felt to be of significance by some. Detailed records are available from the state health and marine resources agency files, but in general, little is available in published format.

EXISTING WATER QUALITY PROBLEMS: CASE STUDIES

The following discussion consists of abstracts from various reports which describe the general condition and major problems of rivers and estuaries in the study region. Most of the sources used are organized

by river basin (see Figures 17-11 through 17-38 and 17-53). In many cases, changes may have occurred since the date of the report cited; descriptions may be then be considered of historic significance. It is advised that-preceding any local analysis, the most recent available information be obtained from appropriate agency files.

Maine: Coastal Basins

The coastal basin of Maine stretches from the Bath-Brunswick area in the Kennebec estuary to the city of Eastport, the most easterly city in the United States (see Figure 17-53). The Maine DEP (1972) describes the general water quality problems in the basins:

> The quality of coastal basin waters, both fresh and salt, is excellent. However, there are several limited areas where severe degradation does exist.

Such areas may have waste sources ranging from a simple failing septic tank to large food processing operations discharging fat, blood, solids and much bacteria, and paper mills. To a great extent, particularly in the Penobscot and Kennebec and estuaries, water quality is effected by upstream usage. Penobscot Bay is greatly effected by organic loads discharged from the cities of Bangor and Brewer and the Eastern Fine Paper Co. of Brewer and St. Regis Paper Co. of Bucksport. Statler Tissue Co. of Augusta and the cities of Augusta and Waterville certainly effect the coastal Kennebec. In fact, in the Penobscot estuary alone Eastern Fine Paper and St. Regis contribute 95 percent of the pollution currently degrading that bay and the effects of Augusta area waste discharges can be measured at Chops Point near Bath, Maine.

Between the Penobscot and Kennebec outlets and between Penobscot Bay and Passamaquoddy Bay are jagged coastal areas that are rugged and wild in nature and are sparse in population. In these areas, fresh and salt waters are of excellent quality and if a problem does exist it is most likely related to pathogenic hazards emanating from failing coastal septic systems.

Maine: Penobscot River Basin

The Penobscot River Basin is the second largest of all EPA designated basins within the state (see Figure 17-51). The Maine DEP (1971a) describes the pollution problem in the Basin:

> A) Main stem, Millinocket to Lincoln
> B) Main stem, Old Town to Bucksport

Major loadings are caused by pulp and paper industries in both cases with relatively minor amounts of domestic sewage in the Millinocket-

Lincoln section, but significant domestic loads in the Old Town-Bucksport section, adding to the problem.

Dissolved oxygen deficiencies and bottom deposits are the primary detrimental effects on the river. The waste loadings from Section A have been reasonably well assimilated at a point just above Old Town and D.O. content returns to a normal range. In the case of Section B, however, tidal action in the upper estuary retards the outflow and conditions bordering on nuisance are the result. Bottom deposits that have accumulated in both sections also tend to drag down oxygen levels in the water. These deposits have accumulated over a hundred or more years, first from timber driving and sawmill activity on the river and later from pulp and paper manufacturing, along with the normal accumulation of silt and the detritus of habitation.

At present, one municipality (Orono) is operating secondary treatment facilities for domestic sewage, a second (Bangor) is providing primary treatment to a part of its domestic, commercial and industrial waste flows. With the exception of minor, isolated small facilities treating wastes from limited areas, these are the only municipal installations at the present time. In the pulp and paper industry, one mill (St. Regis at Bucksport) has closed its sulfite process with significant reduction in pollutional load, two other mills (Great Northern at Millinocket and East Millinocket) have converted to magnesium base sulfite process, again with significant reduction in waste loading. These three mills are proceeding with primary treatment separately from the Towns in which they are located, the other mills have formulated plans to join with their respective communities in treatment at secondary levels.

There are no known discharges of toxic materials in harmful quantities. One industry (I.M.C. Chlor-Alkali at Orrington) does discharge mercury at approximately 2 e/4 ounces per day which appears not to have built up in harmful concentrations at this time. The industry is investigating methods to reduce or eliminate this discharge.

Maine: Kennebec River Basin

The Kennebec River Basin comprises Kennebec, Somerset and part of Franklin counties (see Figure 17-53). It is the second most populated basin in the state. Pollutional problems are described by the Maine DEP 1971b) :

> The grossest pollution of the Kennebec River occurs on the section of the river from Waterville south to the Augusta-Gardiner area. Most of the population and industry of the basin are concentrated in this 35 mile section of the river. All the major economic and population growth of the basin is mirrored in the quality of this section of the Kennebec

River.

> The major degraders of the river's water quality are varied. Paper mills, textile operations, meat and poultry, processors are the major polluters along with municipalities of 15,000 to 20,000 people with no treatment for the sanitary wastes they generate.
>
> The length of the river basin from Skowhegan to Richmond at the southern end of the basin is substandard due to the waste load that it daily receives. . . However, to simply say that these waters are substandard is grossly ambiguous and misleading. Areas of 0 mg/l dissolved oxygen exist and are miles long in summer. Several lakes, notably Lakes Annabessacook and Cobbossecontee are currently in varying stages of cultural eutrophication. The Sebasticook River on its east and west branches suffers gross pollution from a tannery, textile mills and milk processing plants. Wastes from the Hartland Tannery degrade the West Branch of the Sebasticook River all the way down to Pittsfield. This section is in nuissance condition most of the summer.
>
> This degradation, which is prevalent throughout the basin, can be laid to the demerit of a relatively small number of point sources. Industries, rather than municipalities, can be saddled with the responsibility for the basins' condition. There are a few sources from the larger urbanized areas such as Waterville that can bear some share of the problem but over all the population equivalent of industries which is nearly three million exceeds even the seasonal population by over ten tires.

Maine: Androscoggin Basin

The Androscoggin Basin lies in western Maine and eastern New Hampshire, and is by virtue of this, an interstate basin (see Figure 17-53). Approximately 2,730 of the basin's 8,932 square km lies in Maine. As a result of an abundant available head, this river is extensively dammed for power and industrial use. The Maine DEP (1971c) describes its pollution status:

> The Androscoggin River Basin, with its major tributaries, the Androscoggin and Little Androscoggin Rivers, has a reputation, both past and present, of having major difficulties with pollutional loads from sources in the basin. Since about 1941 the Androscoggin condition has improved. But the court ordered reduction of the 1940's did not mean that the Androscoggin main stem was drastically purified. Areas exist today where floating sludge deposits

compete for surface area with the river water, where the smell of cabbage and the lack of oxygen predominate. Such things as those listed above have not been eliminated, but over a period of thirty years they have become somewhat less acute.

Given the nature of the pollutants entering these streams, the primary quality parameter violated is dissolved oxygen. In areas where standards are violated, dissolved oxygen limitations are the parameters most often violated. Leading directly from large dissolved oxygen deficits are the many attendant difficulties usually found with depleted oxygen supplies. Color, floating bottom deposits, fish kills all appear in the basin's rivers. Such conditions are particularly evident in the summer months.

Then, as now, the major contributors to the overall degradation of the basins's water quality are the paper and pulp mills. This, however, does not mean that others are not also guilty of ecological negligence. Tanneries, food processors, municipalities, textile mills and others are also to blame for the basin's current situation. However, 95 percent of the current waste load entering the river above Lewiston comes from pulp and paper mills at Livermore Falls, Rumford and Berlin, N. H. (i.e., International Paper, Oxford Paper, and Brown Company). The urban areas of the basin are situated around Lewiston and Auburn. Hence, the largely untreated domestic wastes from these population centers pollutes the lower end of the basin while paper and pulp wastes pollute the upper end of the basin.

Maine: Presumpscot River Basin

The watershed of the Presumpscot River, including Sebago Lake, covers an area of about 1,564 square km (see Figure 17-53). The river begins at Sebago Lake and flows generally southeasterly discharging in Casco Bay in the Greater Portland area. Extracts from Metcalf and Eddy, Inc. (1971), describe the conditions of the basin:

Water Quality. The Presumpscot River can be divided into three sections to describe present sanitary conditions and water quality:

Section 1 - from Sebago Lake outlet to South Windham, river mile 23.6 to 13.7, a distance of about 15.9 km.

Section 2 - from South Windham to Presumpscot Falls Dam, river mile 13.7 to 0, a distance of about 22.2 km.

Section 3 - Presumpscot estuary, tidal, from Presumpscot Falls Dam to Casco Bay, a distance of about 4.2 km.

The first section of the river has a very good appearance as there are no significant sources of population. This section has a B-1 classification. (In 1970...) Dissolved oxygen levels were nearly 100 percent of saturation and well above the 75 percent required for a B-1 classification. BOD_5 was very low, ranging from 0.6 to 1.3 mg/L (milligrams per liter). Total coliform bacteria ranged from 0 to 37 per 100 ml, which is well below the value of 300 prescribed in the standards.

Phosphorus and nitrogen were also found to be very low and insufficient to stimulate growths of algae. These tests verify the high quality of the water in this section of the river,

The second section of the river presents just the opposite picture as pollution is introduced principally from the S. D. Warren Company paper mills at the City of Westbrook, and to a lesser degree from Windham, Gorham, Portland, and Falmouth. This section of the river has a C classification.

The quality of the water entering Westbrook is fairly good, even though it has received some small amounts of pollution from Windham and Gorham. Dissolved oxygen is high and BOD^5 is low.

As the river flows through Westbrook, it receives sewage discharges from about 24 City of Westbrook sewer outlets. At a point just upstream of the S. D. Warren mills, about 24 mgd is taken from the river into the mill for use largely in paper making. The wastes resulting from the process are discharged into the river, a portion of them receiving primary treatment. Downstream of this point, the river is grossly polluted and has a brownish-gray appearance. The water gives off a chemical odor which can be detected at least .8 km away under certain conditions. Many gas bubbles can be seen arising over the water surface.

Dissolved oxygen has decreased, BOD increased, pH increased, and the temperature increased. The5river does not meet the C classification, as the dissolved oxygen was less than 4 mg/L in the July sampling, and because of the voluminous floating scum, sludge, and gas. bubbles. During the November sampling, there was enough dilution water in the river to maintain high dissolved oxygen contents.

The third section is also polluted. As the river flows over the Presumpscot Falls Dam into the tidal estuary, it absorbs

some oxygen from the atmosphere. However, the water remains turbid and gives off obnoxious odors. The tides help the absorption of some of the pollutional load by bringing fresh oxygen-saturated water into the estuary. At low tides, some of the mud flats are exposed and give off odors. There are no recent published sampling and test. data on the estuary, although extensive testing was carried out in 1959.

Maine: Saco River Basin

The Saco River, located in Southern Maine, begins in the uplands of the White Mountains of New Hampshire, draining southeasterly into the Atlantic Ocean (see Figure 17-53). Like the Androscoggin, the Saco has an abundant head which has been extensively dammed for power and industrial use. The Maine DEP (1971d) describes its quality:

> The head waters of the Saco River mainstem are virtually free of point sources of pollution and as a result the water quality of these headwaters is excellent. Most of the water contact recreation that occurs in the basin occurs in the headwaters.
>
> It is not until the Saco reaches Conway, New Hampshire that it receives any waste at all and the degradation is so minor i.e., dissolved oxygen remains high and bacteria at tolerable levels that a U.S.D.I/FWQA study in 1967 gave its clean-up the lowest priority of all sources on the Saco River.
>
> By far, the area of most serious degradation occurs in the area of Biddeford "and Saco. Ten years ago around 30,000 people, a tannery and a textile mill dumped raw wastes into this river with serious corresponding degradation of Saco waters. However, since 1965, when the Biddeford municipal secondary treatment plant went on line the burden of river degradation has fallen with the municipal and industrial sources of pollution in Saco. No longer does the population of Biddeford as the process wastes from the textile firm of Pepperell Manufacturing Company (Pepperell will hook up to the Biddeford S.T.P. in 1971) discharge to the Saco. The City of Saco (which has two small treatment plants) and the Saco Tanning Company discharge raw sanitary wastes to the river. High bacteria concentrations for the tannery and town, very low dissolved oxygen scums, floating solids, sludge banks preclude the use of the Saco estuary for everything except the carrying of sewage. Such is the case from Saco to the Atlantic. The coastal area, because of the lack of major sources of pollution and tidal action if of much higher quality than upstream with its classification uses safely permitted.

Maine: Piscataqua River Basin

The Piscataqua and Salmon Falls River form the southwestern border of Maine (see Figure 17-53). The Maine DEP (1971d) described its pollutional problems:

> (The Piscataqua) . . . receives wastes from the Berwicks and from the Kittery areas of Maine. The largest single polluter is the Prime Tanning Company of Berwick, Maine. The remaining sources of the Maine side are sanitary in nature.
>
> Prime Tanning Company of Berwick, Maine deposits its wastes raw into the Salmon Falls River. The Salmon Falls, having already received a large waste load from Milton, North Rochester and East Rochester, New Hampshire, which lowers its quality, is further degraded by Prime Tanning and the town of Berwick. Nuisance conditions characterized by the absence of oxygen, high bacteria concentrations, oil slicks, visible solids, scums and sludge bank are a common occurrence. The Great Falls Bleach and Dye Works opposite Berwick in New Hampshire adds to this nuisance.
>
> The Piscataqua suffers because of both upstream problems as well as sources along its own length. These sources are mostly sanitary and coupled with already existing degradation renders the Piscataqua estuary unfit for most uses including shellfishing and recreation.

New Hampshire: Coches River

The Coches River, a tributary to the Piscataqua River, receives a variety of wastes, treated and untreated, domestic and industrial. It drains into Great Bay which has been closed to shellfishing since 1938.

Massachusetts: Merrimack River Basin

The Merrimack River Basin (see Figures 17-53 and 17-12) is located in northern Massachusetts and central and southern New Hampshire. Eighty percent of its 12,720 square km lies in New Hampshire. As shown on Table 17-33, much of the Merrimack River within Massachusetts is substandard. It is estimated that the river receives in excess of 120 mgd of wastes, much of which is untreated.

Massachusetts: Ipswich - North Shore Basin

The major water courses in this basin are the Ipswich, Parker, Rowley, Saugus, and Pines Rivers (see Figures 17-15 and 17-16). Presently, waters defined as substandard include the Ipswich, Saugus and Pines

Rivers, as well as several harbors receiving untreated municipal wastes. The following extracts, taken from a draft report by the EPA (1973) for the New England River Basins Commission, summarize the water quality problems in this basin:

> The problems faced by the municipalities in the Ipswich-North Shore Basins are typical of those before many growing suburban areas. These include urban runoff, combined sewer overflows (to a limited extent), and untreated municipal wastes entering waters with high recreational use.
>
> In the coastal sub-basin, including Essex southward to Winthrop, all the previously mentioned problems exist. The severity of urban runoff can only be estimated, but towns with well developed commercial centers could be expected to have significant volumes of runoff to coastal waters during periods of precipitation. This would apply to all of the towns with the possible exception of Essex and Rockport. Each of the other towns presently has approximately 50 percent or more of their land listed as "urban" in the preliminary land use figures developed for the SENE study.
>
> Combined sewers exist in Gloucester and Lynn with an interceptor overflow into the North River in Salem due to excessive infiltration occurring in the South Essex Sewer District System. This overflow is due to be eliminated as the SESD expands and upgrades the treatment plant to secondary.
>
> Untreated or inadequately treated municipal wastes are adversely affecting Rockport Harbor, Gloucester Harbor, Beverly-Salem Harbor, and Lynn Harbor. In addition, due to the generally poor soil conditions in Essex, Gloucester, Rockport and Manchester where much of the population depends on on-site subsurface disposal systems, the coastal waters are impacted by these domestic wastes.
>
> In the Ipswich River sub-basin, the problem of landfill leachate and inefficient subsurface disposal systems are the major problems.
>
> The two landfills which most probably affect the waters of the Ipswich River are those of Wilmington and Middleton. Both leachate and surface drainage are problems at the Wilmington site. Maple Meadow Brook drains this and is part of the headwaters of the Ipswich River. Low dissolved oxygen and high coliform concentrations were observed downstream at the Route 93 bridge during the August 1968 water-quality survey conducted by the Massachusetts Division of Water Pollution Control. Likewise, at the Route 114

bridge in Middleton similar results were noted. This station was below the Middleton disposal site. However, the results might also be representative of the poorly operating subsurface disposal units in West Peabody. The Division's proposed water quality survey for the summer of 1973 would determine the effects of each site more definitively, especially if West Peabody is surved by the SESD by then.

Besides West Peabody, other areas contributing to water quality problems on the Ipswich River due to malfunctioning subsurface disposal systems are Middleton, the Silver Lake section of Wilmington, and two sections in North Reading, West Village and Main and North Streets area. The reason appears to be the poorly drained soils near the river in North Reading and Middleton and stony soils in the Silver Lake area of Wilmington.

Finally, many of the towns along the Ipswich River have extensive swamps drained by the Ipswich. This, too, contributes to water quality impairment by natural means.

The Parker and Rowley River sub-basins have water quality problems much like those communities in the Ipswich River drainage sub-basin. Much of the towns of Newburyport and Groveland are in the Merrimack River Basin, including their population centers. Those areas do not threaten the Parker sub-basin. However, the Plum Island area of both Newburyport and Newbury is totally served by on-site subsurface systems on soils which severely impair those systems' usefulness. With high summer population densities, the result is a threatening of groundwater supplies.

Although both rivers have acceptable dissolved oxygen concentrations, the dumps in the towns of Georgetown, Rowley and Ipswich have leaching and surface drainage problems which may affect other physical and chemical parameters.

The Saugus-Pines sub-basin is quite dissimilar from those previously discussed. Since the MDC serves virtually all of Revere and Wakefield, and Saugus has a collection system, only Lynnfield has a problem with sub-surface units.

A poorly operated landfill on the tidal marsh between the Saugus and Pines Rivers has degraded the estuary so that it is closed to the harvesting of shellfish.

One other probable problem is that of urban runoff which can be assumed due to the extensive development of the area.

Massachusetts: Mystic Basin

The Mystic River Valley, in the northern part of the Boston metropolitan area, contains a number of streams, ponds and wetlands. At the mouth of the Mystic, these waterways are joined by the Chelsea River and Mill Creek and flow into Boston Harbor(see Figure 17-19). The Valley encompasses about 220 square km, with a variety of development including some of the metropolitan region's most intensive industry and most handsome woods. The EPA (1973} summarizes its condition:

> One problem which is present to a greater or lesser degree in each of the Mystic planning area towns is urban runoff. Lands in urban usage in each town amount to greater than one-half of the total acreage in each town. Extremes are Woburn, 54 percent urban; and Medford, 90 percent. The aggregate of the planning area towns is 75 percent in urban usage. This represents a significant amount of impervious pavements resulting in large amounts of storm runoff, including oils and grease from roadways, sand and silt, and organic matter. In addition to this type of runoff which effects both tidal and non-tidal waters of the basin, the tidal portions of the Mystic River and Chelsea Creek are major commercial waterways with many tank farms located along their shores. Oil separators are essential to decreasing the amounts of oil released from those drainage systems,
>
> Another major problem concerns the low flows in the summer months in the Aberjona River. The situation results in odors and visually unpleasing conditions. Part of the cause is as the result of almost 100 percent of drainage basin being sewered, thereby precluding recharge by subsurface disposal systems. In addition, water supply wells are located near the river.
>
> One effect of these problems as well as combined sewer discharges (which will be discussed separately) is water quality below standards. Based upon data collected by the Massachusetts Division of Water Pollution Control in August and September of 1967, there appeared to be dissolved oxygen (DO) and bacterial violations. In the Aberjona particularly, dissolved oxygen fluctuations seemed to indicate an acuatic plant problem. Bacterial counts were high in the lower Mystic. Throughout the entire Aberjona-Mystic systems, no living organisms were found in the bottom sediments which were generally black.
>
> In summary, storm drain and combined sewer overflows constitute two major problems for the Mystic River. Also, like

many urban rivers, urban runoff is an important contributor to the Mystic River's degraded state.

As a result of these factors and the abundance of oil storage facilities along the Mystic and Chelsea Rivers, a thick sludge mixed with an oily residue has developed on the bottom of the Mystic River. There exists a high potential for oil spills on the river as well as on land where it may eventually be discharged to the river.

Massachusetts: Charles River Basin

The Charles Basin is located in eastern Massachusetts, draining an area of 795 square km and emptying into Boston Harbor. Extensive wetlands are prevalent in the basin. The EPA (1973) describes its condition:

> In general, water quality parameters adversely affected by the point and non-point waste sources on the Charles include DO, nutrients and bacteria. Based on data collected in 1967 and 1969 by EPA personnel and personnel from the Massachusetts Division of Water Pollution Control, violations of water quality standards were found. The causes are mainly the municipal and institutional discharges to the waters in the upper basin. These same discharges and other sources imparted nutrients to the waters.
>
> The observed concentrations of nutrients in combination with other factors such as light intensity, turbidity and temperature were sufficient to produce growths of aquatic plants. The upper reaches of the Charles River below the Milford treatment plant dense growths of aquatic plants were prevalent. Dense growths were also found in Mine Brook and downstream reaches of the Charles River to Medway. Below Medway rooted aquatic plants were not prevalent, except in the ponded areas near Route 30 in Newton. These plants in addition to algae create DO fluctuations along the river much like that mentioned in the Aberjona.
>
> In 1967 and 1969 at all Charles River sample stations, average coliform concentrations exceeded 1,000 organisms per 100 ml, the Class B standard. The highest values were found below sources of domestic waste. During the sampling periods, several waste discharges did not chlorinate their effluents, although they do now. Urban runoff is another source of bacterial pollution in the Charles. During rainfall, substantial numbers of bacteria can be added to the receiving waters.
>
> With respect to wastewater discharges, more than half of the

oxygen demanding material is discharged by the Cott Corporation in Minis. Non-point sources of waste also contribute pollutants to the waters of the Charles River Watershed. In the upper reaches above Needham, much of the population discharges its waste through individual disposal systems. In at least two areas, this method of disposal has become inadequate and overflows of septic tank effluent are reaching the Charles River and tributary streams.

In the middle section of the stream from Needham to the Moody Street Dam, there are few, if any, identified point sources of pollution. The wastes discharged to the sewerage system of each community in this section are conveyed out of the basin and discharged after treatment to Boston Harbor by the Metropolitan District Commission. Each community has a separate sewerage system, that is, a sewerage system with separate sanitary sewers and storm drains. However, wastes are added to the watercourse as a result of urban rainfall runoff. Accumulations of street litter; dirt and dust; oils; salt; pesticides; herbicides and fertilizers; possible cross-connections of sewage to storm drainage systems; and other sources, may add significant quantities of pollutants to streams during periods of rainfall.

Drainage from improperly located solid waste disposal facilities is another source of pollution that affects the Charles River and tributary streams--many communities, mainly for economic reasons, have located sanitary landfills in low marsh areas where direct runoff to nearby water bodies occurs. Drainage from sanitary landfills contains significant bacterial concentrations. The Massachusetts Division of Water Pollution Control has ordered three Charles River communities to abate pollution caused by sanitary landfills.

During 1970, the Massachusetts Department of Public Health conducted an inventory of all solid waste disposal facilities in the State. Each disposal site was located on Geological Survey maps. Based on the results of the survey, approximately 15 communities have solid waste disposal facilities in areas that could cause pollution waters in the Charles River Watershed.

In summary, the Charles River's degraded conditions are due to sanitary and industrial waste discharges to its upper reaches. Inadequately treated municipal wastes discharged to the upper Charles at Milford and to the Mine and Stop Rivers contributed much to the degradation of the river. Farther downstream active decomposition ceases, but the nutrients imparted to the river from the tributaries, other

municipal sewage treatment plants, and poorly located municipal dumps in Milford, Newton, and Waltham cause luxurious growths of attached aquatic plants. Farther downstream this nutrient problem manifests itself in algae blooms.

These problems are compounded in the middle reaches by pollution from urban runoff and in the lower basin by combined sewage overflows and salt water stratification which prevents mixing. The results in the lower basin are black, oily, benthic deposits. Their lack of living organisms suggests that these deposits are toxic. Bacterial concentrations in the river prevent its use for any water contact activities.

Massachusetts: Neponset Basin

The Neponset Basin flows from the Neponset Reservoir in Foxboro, northeasterly to Dorchester Bay (see Figure 17-20). It has two major tributaries: The Canton River (or East Branch) and Mother Brook. In area it encompasses 1731 square km, including extensive marshlands? The EPA (1973) describes the basin as one of the most critically polluted rivers in metropolitan Boston. More specifically, it describes its conditions and causes:

Municipal discharges are not the cause of Neponset River problems. (However), all process water discharges from industries will be connected to the MSD, thereby eliminating all but two sources of domestic wastes in Foxboro and one cooling water discharge. The Foxboro sources may eventually be eliminated by the extension of municipal sewers to provide discharge out of basin.

Factors affecting the Neponset are urban runoff, Boston's combined sewers, and past practices by industries located in the basin, principally paper mills. Urban runoff effects have been described before, although the degree of influence on water quality is unclear on the Neponset. Water quality data is sparse. However, the Massachusetts Division of Water Pollution Control is working on that river as well as the Mystic collecting and analyzing instream data. This could provide a basis for better understanding of the urban runoff and combined sewer problems.

With respect to problems caused by past practices, this refers to the paper mills' concept of the value of a river. As a result, the Neponset is sluggish due to impoundments created for industrial water supply and has a blanket of sludge in many areas, indicating that the paper mill effluents received little or no treatment. As the industries

diverted these effluents to the MSD, like discharges from the impoundments were negotiated for. As an additional aspect of this situation, Mother Brook should be mentioned. This is a man-made industrial canal which diverts Charles River water to the Neponset. Today this conduit is partially covered by parking lots and streets and is generally a poor aesthetic feature. It could become an important part of any flow augmentation scheme for either the Charles or Neponset.

Once again, poor landfill siting has created potential for water quality problems.

Massachusetts: Boston Harbor

Boston Harbor receives the drainage and wastes of four major streams - the Mystic, Charles, Neponset, and Weymouth Fore Rivers (see Figure 17-17}. Its condition is described by the EPA (1973):

> In the Boston region, as in many older cities, large areas are served by common or combined sewers, many of them constructed in late 1800's which accept sanitary sewage and storm water into the system. During dry weather periods, these municipally-owned sewers discharge to a system of interceptors that are operated by the Metropolitan District Commission (MDC), and the waste is transported to the MDC primary plant at Deer Island. However, during periods of rainfall, the combined sewers and interceptors reach their capacity and the excess flows are discharged to nearby watercourses through numerous outlets.
>
> In the areas where overflows occur, bottom deposits containing black, oozy muds have been found, and bacterial concentrations have been extremely high.
>
> Oil pollution in the Harbor results from many sources including spills during ship-to-shore transfers, stormwater runoff from streets as well as tank farms, combined sewers, and to some degree Deer and Nut Islands. The magnitude of the problem is such that a permanent oil boom has been placed across Chelsea Creek, a major oil storage and transfer area for metropolitan Boston, to help minimize any possible floating oil from entering the Harbor.
>
> Harbor spills occur mainly at oil terminals which fortunately are well-equipped to contain the spills until a clean-up contractor arrives. Many of the major terminals also have clean-up apparatus.

The major discharges of oil to sewers have in virtually every case been traced to fuel oil losses resulting from failure of tanks, pipes, or mechanical equipment, or from human error. The oil enters the sewers either by infiltration or directly through catch basin.

In addition to these major discharges, there are chronic problems with accidental and deliberate discharges of smaller amounts of oil into sewers. Dumping of waste crankcase oil is only one example of this type of discharge.

It is generally recognized that debris and refuse pollution has a significant adverse effect on the quality of life encountered in the Boston area.

There are many sources of debris and refuse in the Harbor area; however, a majority of the contribution can be blamed on human negligence and selfishness. The main sources of the pollution are: dumping material from shoreline areas; dumping from vessels; debris being washed from dilapidated shorefront structures and wrecked vessels.

With respect to the last two sources, a 1966 study done by the Corps of Engineers reported 300 wholly or partially dilapidated structures in the Harbor which represents a potential total volume of floatable debris estimated at 101,028 m^3. In addition, 96 derelict wrecked vessels in the waters of the Harbor were found. Tide and wind action, coupled with natural decay breaks up these structures and vessels, adding to the problem.

Massachusetts: North River Basin

The North River is located just south of Boston. It is best known as a tidal stream meandering through salt marshes in Scituate, Marshfield, Norwell, Pembroke and Hanover (see Figure 17-21). The total drainage area is 318 square km. The Massachusetts Water Resources Commission (1971 c) describes its pollution status:

While the North River itself is one of the cleanest rivers in the state, pollution problems exist on some of its tributaries. The first of these is French Stream, which receives wastes in Weymouth, Abington and Rockland. The stream begins in the southeastern part of Weymouth and receives the effluent from the South Weymouth Naval Air Station shortly thereafter. Flowing south, it. receives industrial wastes and the effluent from old sewage treatment plant in North Abington. Crossing into Rockland, the stream enters Studley Pond. Here the effects of the upstream discharges are

greatly evident. On shore, a bath house for what was once a popular swimming area stands abandoned. The pond is choked with weeds and the water has a dark gray color of sewage. Occasional bubbles reach the surface, indicating the decomposition of sludge on the bottom. The effects of this pond are beneficial to the river downstream. After leaving the pond, French Stream recovers oxygen and is fairly clean as it passes through the southern part of Rockland. Wastes from a small industry are discharged to a brook which enters the stream in Beach Hill Swamp. The effluent from the Rockland Sewage Treatment Plant is discharged to the river shortly below this swamp. The oxygen in the stream is once again depleted as it crosses the town line into Hanover and joins the Drinkwater Drive.

The Drinkwater River begins in the northeast section of Hanover and flows south to the confluence with French Stream. At this point, the latter stream is the larger, and the discoloration of French Stream from the Rockland discharge continues into the Drinkwater below the confluences. Forge Pond is located just below the confluence, and its appearance is similar to that of Studley Pond, although conditions are less severe. Once again, the pond is beneficial to downstream conditions, as the water leaving is fairly clear. The river quickly enters Factory Pond, a long, narrow impoundment which bends east to straddle the Hanover-Hanson line. The nutrient content of the water is evidenced by scattered growths of algae and duckweed in this pond. The water is fairly clear, however. The local residents report excellent fishing.

Below Factory Pond, the stream is known as the Indian Head River. The water here is clear and sparkling, and the area is a small boy's paradise for fishing, swimming, and catching small animals such as frogs and turtles. Flow is measured at the dam.

The Indian Head River becomes the North River at the Curtis Crossing dam. As the North River, it begins its meandering course through countryside which changes from woods and swamps to salt marshes.

. Massachusetts: New Bedford Harbor

New Bedford Harbor, in southern Massachusetts, is essentially the tidal portion of the Acushnet River (see Figure 17-21). The Massachusetts Water Resources Commission (1971a) describes the pollution loadings to the Harbor:

Beyond the barrier, the harbor broadens out into Buzzard's Bay. To the east is Sconticut Neck in Fairhaven. To the west is a peninsula which is part of New Bedford. Fort Rodman lies at the tip of this peninsula. This will be the site of the New Bedford Sewage Treatment Plant. At the present time, sewage is pumped from here to a point half a mile off shore. On the west side of the peninsula is Clark Cove. A pumping station on shore frequently discharges sewage into this cove.

A dairy farm and several industries discharge wastes to the Acushnet River in Acushnet. Several industries in New Bedford and Fairhaven discharge wastes to the river and the harbor without treatment. These include several fish processing plants as well as textile mills. New Bedford also has the combined sewer problems which are so common in the older cities in the State. These sewers carry both wastes from homes and industries, and storm water. During storms they overflow to the river and the harbor. Fairhaven, meanwhile, has recently completed an extended aeration sewage treatment plant. The effluent from this plant is discharged inside the barrier.

Massachusetts: Taunton River Basin

The Taunton River, located in southeastern Massachusetts, drains 1,372 square km and empties into Mount Hope Bay, a sub-basin on the NarragansettBay watershed (see Figure 17-23). With the exception of a major dam in Bridgewater at its very beginning, the river flows freely to Mount Hope Bay. The terrain is relatively level, so the river is slow moving. The watershed is heavily populated, with an aggregate population over 230,000, and has experienced recently significant growth. The EPA 1973) describes the water quality problems in the basin:

Results of water quality surveys done by the Massachusetts Division of Water Pollution Control indicate that violations of the Massachusetts Water Quality Standards occur throughout the basin. Most major municipal and industrial discharges are presently inadequately treated and therefore cause significant water quality deterioration, particularly in the waters located in the area of the three major urban centers: Brockton, Taunton and Fall River. In addition, a number of smaller municipal and industrial sources degrade the water quality of tributary streams, which generally contain low flows during summer months. Organic loads deplete the stream of dissolved oxygen in several areas. Since nutrient removal has not yet been provided for any discharges, high levels of phosphorus and nitrogen stimulate prolific growth of algae and rooted aquatic plants in the

river impoundments. Unchlorinated sewage from various outfalls causes bacteriological contamination, while sand and gravel washings and chemical dyes discolor portions of the Upper Taunton River and the Taunton estuary. In addition, thermal pollution from several power plants elevates stream temperatures significantly. The Taunton River Basin can be divided into several hydrologic subdivisions, which all have their own specific water quality characteristics.

A significant pollutional load from the Harodite Finishing Company is discharged into the tidal portion of the Three Mile River. In addition, a number of raw sewage discharges enter the river in North Dighton.

Taunton Estuary. The organic loads from the upstream discharges are assimilated by the time they reach the top of the estuary and the dissolved oxygen recovers to normal levels. However, large amounts of phosphorus and nitrate are present in the freshwater flow. The recovery zone is short as the wastewaters from the Taunton primary treatment plant and from a cluster of industries in the Taunton area cause another critical water quality zone in the Taunton River.

A major decline in the dissolved oxygen level occurs in the estuary, downstream of the City of Taunton, near the confluence with the Three Mile River. The nitrogenous and carbonaceous loads from the Taunton primary plant, Geilich Tannery, Harodite Finishing, and a number of other industries are oxidized in the stream and lower the dissolved oxygen levels to less than 1.0 mg/1. This sharp drop in oxygen is substantially increased as a result of the thermal discharges from the two Taunton Municipal Light and Power Company plants located in this area. The elevated stream temperatures increase the bio-oxidation rates and also reduce the capacity of the water to hold dissolved oxygen. The discharge of toxic metals and acid and alkaline wastewaters from several metal plating industries adds to the general decline in water quality. Raw and inadequately treated domestic wastes discharged into the estuary result in coliform levels which far exceed the SB standards.

Downstream of the Berkley Bridge, the estuary broadens and the tidal waters increase the volume of the estuary. The heavy nutrient load from upstream has a significant impact in this part of the estuary. Significant algae growth occurs and the resulting photosynthesis activity causes daily fluctuations in the dissolved oxygen levels. Toxic metals and organic wastes from ICI America enter the estuary via Muddy Cove. Chemical discharges from ICI America and also from Olin Thompson discolor the estuary water.

Mount Hope Bay. Mount Hope Bay is a relatively enclosed body of water with major freshwater flow entering from the Taunton estuary in the

north and with two distinct outlets in the southern portion of the bay. The variety of water quality problems that exist emanate from the municipal and industrial discharges directly into the bay and from the pollutant load carried by the Taunton River.

Heavy development in the City of Fall River is located along the eastern shoreline. The City's primary treatment plant discharges a significant load of organic material and suspended solids to the bay. The Fall River sewerage system also has many combined sewers and 14 overflows are located along the shoreline. During periods of rain, much of the sewage overflows directly to the bay before reaching the treatment plant. Many of the industries in Fall River discharge wastewaters to the Quequechan River which flows into the bay at Battleship Cove. Two electric generating stations, Brayton Point and Montaup, discharge large amounts of cooling water into Mount Hope Bay.

The Taunton River inflow and the discharges in the Fall River area cause two major water quality problems. The large amounts of raw sewage discharged lower the bacteriological quality of the bay. During the early morning hours before photosynthesis begins, algal respiration causes the dissolved oxygen level to be at its minimum and often violates the water quality standards.

In addition to the point discharges of municipal and industrial wastewaters, there are several other pollution sources which contribute to water quality degradation throughout the Taunton River Basin. In many cases, the effects of these sources are presently masked by the more obvious effects from the point sources. However, after advanced wastewater treatment facilities are constructed, the nonpoint sources may continue to degrade water quality.

Oil. Oil pollution problems have occurred in the lower portion of the Taunton River and in Mount Hope Bay. Four oil terminals in Massachusetts, as well as several in Tiverton, Rhode Island, are served by tankers and tug-propelled barges. Minor oil spills have occurred in the past during off-loading of the oil from the tankers to the terminals. Rapid response to spills has generally permitted prompt containment and minimal damage from spills.

In order to restore and assure the maintenance of a high level of water quality in this area, the oil pollution problems must be controlled concurrently with the upgrading of municipal and industrial pollution sources. The Division has taken several steps toward controlling the oil problems. All marine oil terminals in the basin, in compliance with Massachusetts law and licensing conditions, have expended capital funds to improve shore facilities to contain all oil spillage. They have purchased oil containment booms, work boats, skimmers, absorbants and chemicals, all of which are immediately at hand should an oil spill occur. These measures have created a rapid and functional oil

response system.

Draft limitations generally prevent the newer, safer mid-range tankers from entering Mount Hope Bay. Portions of the 10.7 m mean low water channel have silted in so that there is less than 9.8 m of water in places. Consequently, older foreign-flag tankers frequently call, and they are involved in many of the oil spills that occur.

Intermittent problems have occurred in various areas of the basin from spillage or seepage of oil by industries, oil truck accidents and similar sources. Prompt clean-up has generally been effected either by the person responsible or by the Division of Water Pollution Control's oil spill clean-up contractor, thus minimizing overall environmental damage.

Massachusetts/Rhode Island: Ten Mile River Basin

The Ten Mile River Basin covers an area of 139 square km in southeastern Massachusetts and eastern Rhode Island (see Figure 17-24). Much of the outer areas of the basin are swamps or lowlands, with the areas adjacent to the river being highly developed. The flow is restricted with various dams creating 15 impoundments. For most of its length, the river flows either through impoundments or man-made channels. The EPA (1973) describes its condition:

> Water quality of the Ten Mile River is impaired by the discharge of inadequately treated wastewater from the municipal plants and the discharge of large amounts of industrial waste. Discharges from industries, such as jewelry and plating concerns, contain heavy metals which could be toxic to fish and aquatic organisms. The major organic discharges come from the two municipal treatment plants.
>
> The Attleboro and North Attleboro treatment plants are having similar problems. Both plants are overloaded. ..(and) discharge just upstream of impoundments; the nutrient concentration in the effluents contribute to the growth of algae and other aquatic organisms in the impoundments, causing an ecological imbalance. The river experiences a sag in the dissolved oxygen level just below plant discharges which makes the river unable to sustain fish or other aquatic life.
>
> Another water quality problem in the Ten Mile River is concerned with flow. The two municipal wastewater discharges account for approximately forty percent of the Ten Mile River flow. Without the constant discharge of' industrial and municipal wastewaters, the river would be reduced to little less than a drainage channel.

Urban development has caused the Ten Mile River to be enclosed by retaining walls and natural runoff patterns have been altered. Storm waters in North Attleboro, Attleboro and East Providence reach the river in slug loads rather than gradually through natural runoff. Flooding is a constant problem in periods of heavy rainfall but in dry periods much of the upper sections of the river have little or no flow. The low flow above the North Attleboro treatment plant outfall was calculated to be .02 m3 per second.

In addition to the point discharges problems, other factors have been recognized as contributing to the poor water quality of the Ten Mile River. Land stripping in the form of gravel operations bring problems of siltation and deforestation. Large amounts of silt are deposited on the stream beds, decreasing the depth and thereby altering the natural flow of the river.

Agricultural runoff is a problem in the rural sections of the basin. In Seekonk, for example, pig farms have not been disposing of their waste properly, which in turn causes a water quality problem. The Massachusetts Board of Public Health is presently looking into this problem. Also, the upper sections of the Ten Mile River in Plainville and Seven Mile and Bungay Rivers in North Attleboro are having problems with septic tank leakage which is indicated by poor soil conditions for subsurface disposal treatment systems.

Massachusetts/Rhode Island: Blackstone Basin

The Blackstone River located in both Massachusetts and Rhode Island, drains 1,261 square kmwith 346 in Massachusetts(see Figure 17-26). Numerous dams have changed the river from a rapidly flowing stream to a series of ponds. According to the EPA (1973), the Blackstone receives large amounts of treated and untreated domestic sewage. During dry weather, over 95 percent of the flow below Worcester is effluent from the Worcester sewage treatment plant. This large initial load, along with the additional municipal and industrial waste loads downstream cause the Blackstone to be polluted throughout its length.

Rhode Island: Narragansett Bay, Coastal Streams and Block Island

There are 5 drainage basins which ultimately are drained into Narragansett Bay: Taunton, Ten Mile, Blackstone, Woonasquatucket-Moshassuck, and Pawtuxet basins (see Figures 17-27 and 17-29). Much of the coastline is undeveloped with long stretches of beach or tidal marsh. The upper portion of the basin is intensively developed and prone to problems with oil transport. (The EPA (1973) describes water quality conditions in the basin:

The major water quality problems in Narragansett Bay come as the result of a variety of municipal discharges, industrial effluents (including cooling water and stormwater runoff containing oil and grease) and nonpoint problems, mainly combined sewers. The smaller coastal streams (as noted in Table 2) are often adversely affected by inefficient individual subsurface systems and industrial wastes.

The Fall River area is one of the major problem areas in this basin. Water quality in Mount Hope Bay suffers from 14 combined sewer overflows, and also from the primary effluent of the hydraulically overloaded Fall River Wastewater Treatment Facility. Compounding the problem is the fact that there is a large industrial flow to the plant which could cause problems if biological secondary treatment is added. The combined sewer overflows occur during dry weather as well as wet, which indicates the severity of the problem.

Oil is also a real problem in this area. Terminals in Fall River and Tiverton experience minor spills from time to time. Another source is the combined sewer system of Fall River. Oils that leak upon streets or other open surfaces are washed into sewers during rain storms and discharge through the overflows. Also, those oils and grease which do not leave the system via the overflows often are discharged through the treatment plant's outfall.

The affected parameters in Mount Hope Bay as a result of these problems include coliform concentrations, dissolved oxygen, oil and grease concentrations, and turbidity. The aesthetics are poor as brown foam can often be seen at the mouth of the Lee River and debris and refuse is a common sight in this section of Narragansett Bay. Water quality surveys were conducted by the Massachusetts Division of Water Pollution Control in 1970 and 1971. The survey in August of1970 indicates widespread bacterial violations of standards near the Fall River-Tiverton shore. This study also shows some rather low dissolved oxygen concentrations which seemed to improve as indicated in the 1971 survey.

There is also a recognized thermal problem in the area at New England Power's Brayton Point power plant. Several fish kills have been observed and the elevated temperatures in the Lee River coupled with the nutrients entering the bay from the Taunton River and Fall River facility have encouraged luxurious growths of marine algae.

Another area with major and complex water quality problems is in the metropolitan Providence area. While Pawtucket,

Providence, and East Providence are not included in the planning area towns for this basin, each contributes to the water quality degradation in the Seekonk and Providence Rivers. Pawtucket and Providence have combined sewers. In addition, three wastewater treatment facilities (Blackstone Valley Sewer District, East Providence, and Providence) discharge approximately 25,904 kg of BOD per day into the two tidal rivers. However, it is the combined sewer systems which create the major water quality problems for both tidal rivers and the bay as a whole. In fact, when rainfall in a 24-hour period amounts to 1.3 to 2.5 cm, a portion of upper Narragansett Bay is closed to shellfishing for a period of seven days. This underscores the severity of the combined sewer overflow problem.

Other areas of localized degradation occur, usually associated with a point discharge. Newport Harbor, however, is adversely affected by combined sewers in Newport. The Saugatucket River is affected by poor individual subsurface disposal units. A proposed regional facility should eliminate that problem.

Rhode Island: Pawtuxet Basin

The Pawtuxet is the second largest drainage basin in Rhode Island, with an area of 615 square km. The river flow is regulated by 19 mill dams and two reservoir dams. Existing water quality, (EPA, 1973), ranges from Class B to E (nuisance). The river is degraded by discharges from chemical manufacturing firms, textile mills, and municipal facilities. Twenty-four such discharges significantly affect the river. Problems include low dissolved oxygen, high coliform counts, and turbidity.

Long Island Sound

The following is taken from the Water Quality Interim Report of the Long Island Sound Study (NERBC, 1974):

> The water quality of Long Island Sound varies considerably. The poorest quality is found at Throgs Neck at the western terminus. All parameters monitored indicated that the poor water entering Throgs Neck significantly degrades the Sound's water eastward to Hempstead Harbor. From Hempstead Harbor eastward to the area opposite the Connecticut River, the water quality is fairly uniform and of intermediate quality. From the Connecticut River eastward, the water quality is good. At certain times and places there may appear to be no water quality problems in the Sound, while at other times the quality may be disastrously poor. Examples of these variable water quality conditions are manifested by the increased bacterial count in the water

after a rainstorm, an occasional algae bloom or fish kill, an oil spill, or the temporary water quality degradation of a harbor brought about by a dredging project. There are significant water quality problems in western portions of Long Island Sound and some embayments (particularly Manhasset Bay, Hempstead Harbor, Port Chester-By ram River}. In addition, there are water quality problems in Port Jefferson and Little Neck Harbor and here is a growing concern about the contamination of Long Island's groundwater supply by the effluent from septic tanks. In Connecticut's portion of the region, problems of water quality exist in the Connecticut" River, Housatonic River, Stamford Harbor, Norwalk Harbor, Black Rock Harbor, Bridgeport Harbor, New Haven Harbor, Mill River, Thames River, Oxoboro River, Quinnipiac River, Stonington Harbor and Pawcatuck River.

New York: Moriches Bay and Great South Bay , Long Island

The following discussion is taken from the National Estuary Pollution Study (FWPCA, 1969):

> Up to 7 million ducks annually live in farms located on Moriches Bay and parts of Great South Bay. These ducks are a cource of pollution to the Bays. In one form, they cause the closing of valuable shellfish beds due to high coliform counts.' Another form of pollution they create is BOD and eutrophication due to the ducks sludge which covers the bottom of the bay in some sections.
>
> Studies conducted by the Division of Laboratories and Research of the New York State Department of Health on ducks' wastes have shown them to be high in solids, BOD, nutrients, bacterial content, and constitute a public health hazard. It was found that the strength and volume of the wastes reaching the waste stream depended on the number, age, activity, position of ducks in the pens, amount of rainfall, runoff area, normal water, use at the farms, and availability of water to the ducks.
>
> Coliform densities were found to vary from a median MPN of 5.8 X10 per 100 ml to 60 X 10 per 100 ml. Typical water usages ranged from 0.290 mgd to 3.0 mgd per farm and from 53 1 to 454 1 per day per duck.
>
> Since 1940, there has been a decline in the oyster and fish production of Great South Bay. These conditions have coincided with the build-up of the duck industry in the areas surrounding Moriches Bay... The wastes from the duck farms effectively fertilized these waters but with a low ratio

of nitrogen to phosphorus.

> As a result of the increased nutrients, especially phosphorus, the waters of Great South Bay have exhibited increased algal populations. Heavy growths of algae developed in the early spring and persisted through summer and fall. At its peak, the concentration of algal cells exceeded 10 million/ml. The dominant bloom algae was a small, unicellular species often termed "small form." This algae differed greatly from the flora typical of bays and estuaries in the same region, and its persistence over long periods of time eliminated the typical seasonal succession of forms in the bay.
>
> The decline of the oyster industry was directly correlated with the increase in the "small form." This was due to the fact that the optimum conditions for oyster growth included a mixed algal population. Although oysters do feed on the "small forms," these algae are an inadequate nutrient source. Serpulid worms which are capable of effectively utilizing the "small forms" for food have overrun the oyster beds periodically and thereby adversely affected oyster production by competitive exclusion.

A similar discussion with a history of the area may be found in the National Estuary Study (Interior, BSF&W, 1970).

New Jersey: Raritan Bay - Arthur Kill Area

According to the NAR report (U. S. Army Corps of Engineers, 1972), this area is greatly polluted by both municipal and industrial wastes. Industrial wastes, including phenols, oils, trace metals and toxic chemicals, exert an oxygen demand in excess of the biological oxygen demand. This area may well be the most stressed area in the entire study region.

New Jersey: Passaic River

The following assessment is taken from Nebolsine, Toth and McPhee Associates (1973):

> The quality of the water above Little Falls is affected primarily by the discharge of sewage treatment plants and the discharge of industrial wastes into the river. Various reports state the number of sewage treatment plants and the number varies from 123 to 160. Many are small "package" plants and as some are installed and others abandoned during any one year, it is difficult to keep track of the exact number at any point in time. In any event, the plants range in size from 2000 GPO to 13 MGD and have an average

BOD removal of 77 percent. About 25 percent are overloaded or are reaching capacity, so the State has had to declare a building moratorium in many areas until sewage plant construction or enlargement catches up to the growing load.

About 40 percent of the BOD in the River can be accounted for; the remainder is from surface runoff, overflow from sewage treatment plants and natural and accidental pollution. Increased urbanization means more streets and consequent runoff containing dog droppings, oil leaks, dirt, etc. One other hazard is oil spills. In 1969 there were 16 spills, of 1000 gallons or more in the basin due to accidents or broken or unattended loading lines from tanks.

17.1.4 SOURCES OF WATER POLLUTION

This section presents data gathered at both state and federal levels. An attempt has been made to identify and locate documented point sources by EPA designated major basins (see Figure 17-53), and to typify the discharge by volume and constituents. In some cases, the only indication of the character of the discharge will be by inference from a given Standard Industrial Code (SIC), a Department of Commerce designation which describes the type of industry.

Information available from state agencies has been the result of a variety of individual programs and studies over a wide range of time, some dating as far back as 1962, others being as recent as 1973 (see Tables 17-10′ through 17-22). Consequently, data from these tables cannot be considered comparable; they must be taken as historic, and perhaps only generally indicative of the present situation. Studies focusing on a particular location would be advised to update this information.

At the federal level, information on point sources of pollution has been gathered by two agencies. The Army Corps of Engineers, under authority of the Refuse Acts (1898), began an extensive permitting program. for all waste water discharges in the late 1960's. With the creation of the Environmental Protection Agency (EPA) in 1970, this program was taken over from the Corps. All data on point sources of pollution, gathered for permitting procedures, is now stored in a computerized system called "STORET," under the National Pollution Discharge Elimination System (NPDES). In general, it is a more recent and complete file than those held by the states, although it is not fully operational as yet. EPA Region I (Connecticut and North) can supply computer listings of industrial sources only, indicating receiving waters, major basin, city or town, state, type of industry (by Standard Industrial Codes furnished by the U. S. Department of Commerce), and flow in million gallons/day (MGD) (see Table 17-23). Data on the characteristics of the discharge are on file but not in computerized format to date.

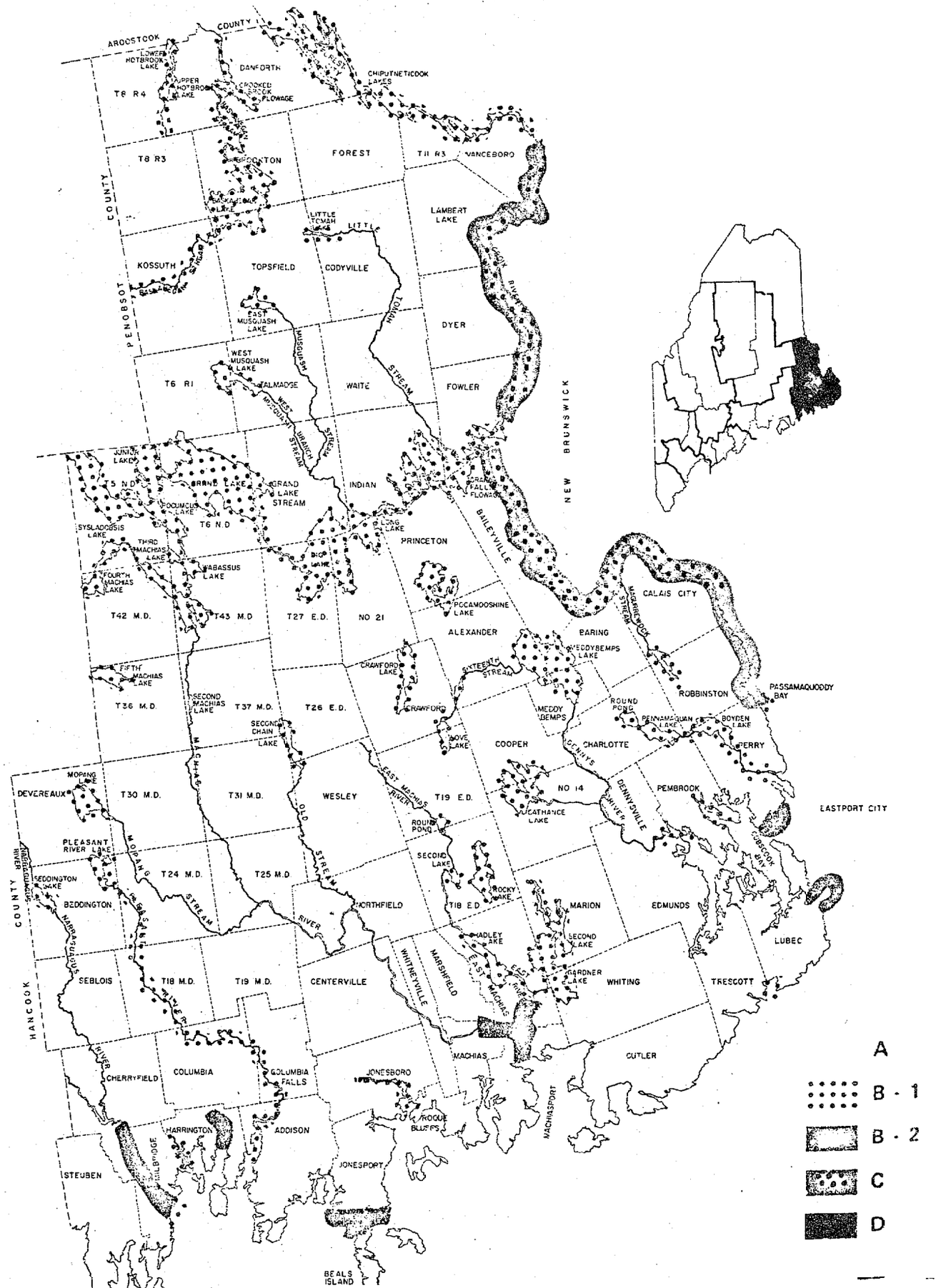
Similar information is being collected for municipal sources, but as yet, this file is not operational , although the raw data may be retrieved at the EPA Region I office in Needham Heights, Massachusetts.

Region II of the EPA (New York and New Jersey) also utilizes the STORET program. The file available for printout in this case includes both industrial and municipal sources, but only contains the name of the source, location by state and city or town, receiving waters, number of discharge points, and standard industrial code (see Tables 17-24 through 17-27). Magnitude of discharge and waste characteristics are not computerized, although available in raw data form at the Region II office in New York (see Figure 17-52).

NON-POINT SOURCES

While it is not within the scope of this report to present a full discussion of non-point sources of water pollution, it is felt to be a significant factor affecting present water quality and deserving of at least a passing treatment. There are several types of non-point sources which should be given close attention in any local analysis: (1) airborn precipitate (including acidic solutions from S02 and NO_x air emissions, radioactive particles, and particulate), (2) storm runoff (both agricultural and municipal, containing pesticides, herbicides, sediment, organic compounds from fertilizers and organic wastes, and numerous chemicals and toxic substances), and (3) ground water leachate (including nutrients (especially nitrates) , metals, and a variety of other substances). To emphasize the importance of this type of pollution source, it has been noted that in the upstream areas of the Raritan, Passaic and Millstone Rivers, less than 40 percent of the pollutional loadings can be attributed to known point sources of pollution (Corps of Engineers, 1972).

Gross estimates of sediment and animal waste loads contributed to waters within the study area have been made by the Corps of Engineers in the North Atlantic Regional Water Resources Study (1972). These are presented in Tables 17-28 and 17-29.

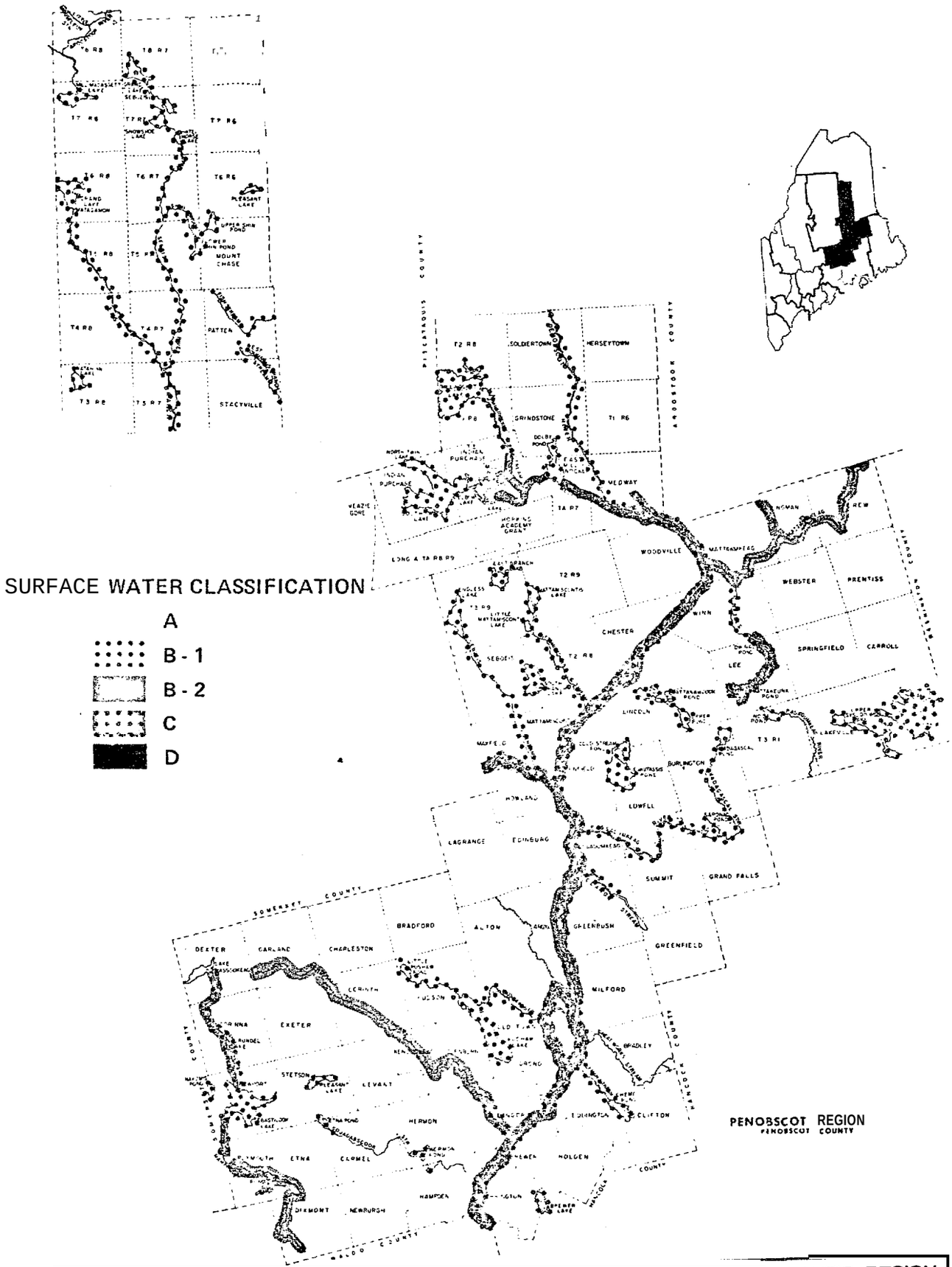


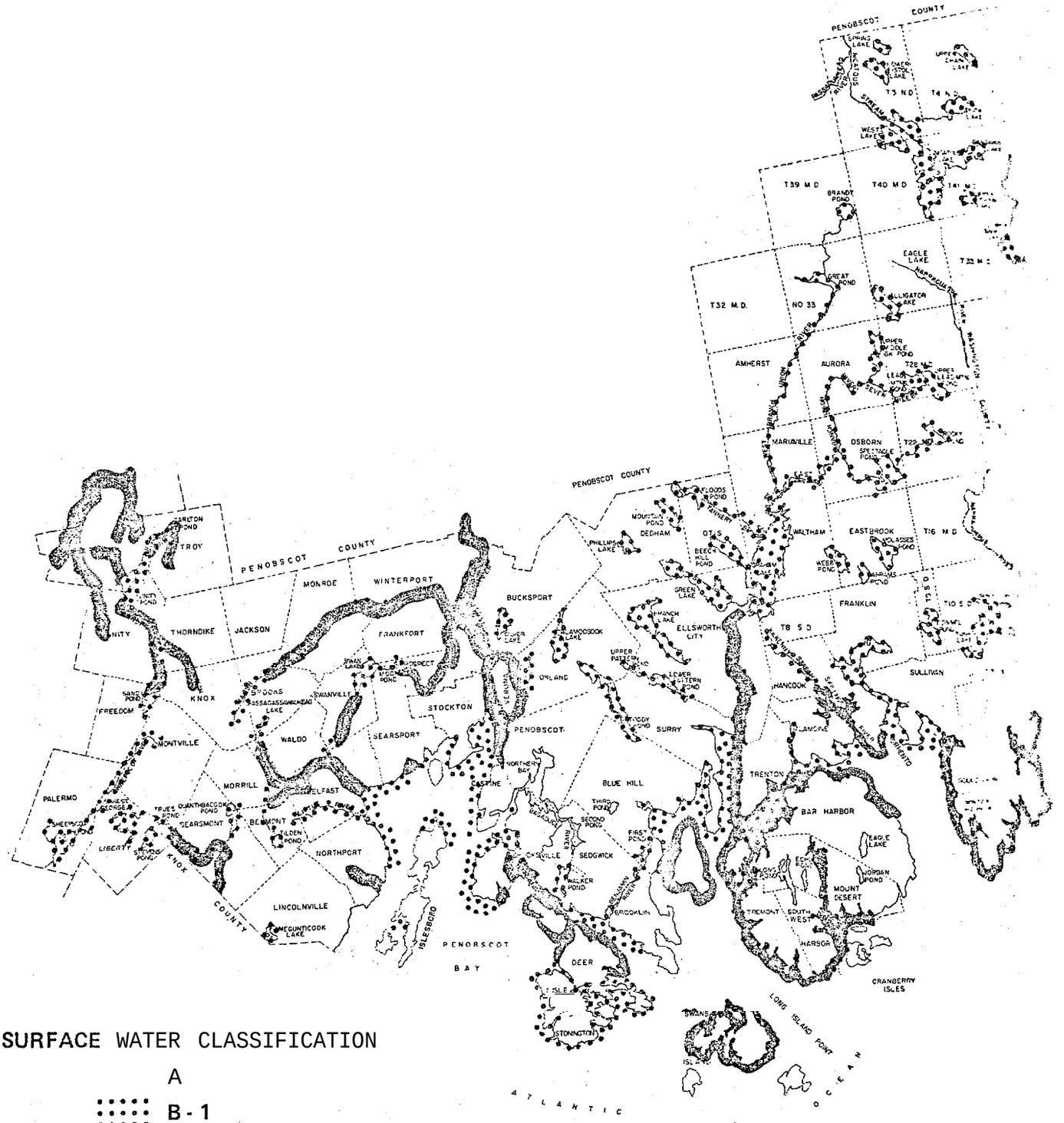
A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

n ? IGOM PARC

FIGURE 17-1

Surface Water Class ification-Mai ne-Washington Region (E. C. Jordan, 1969)

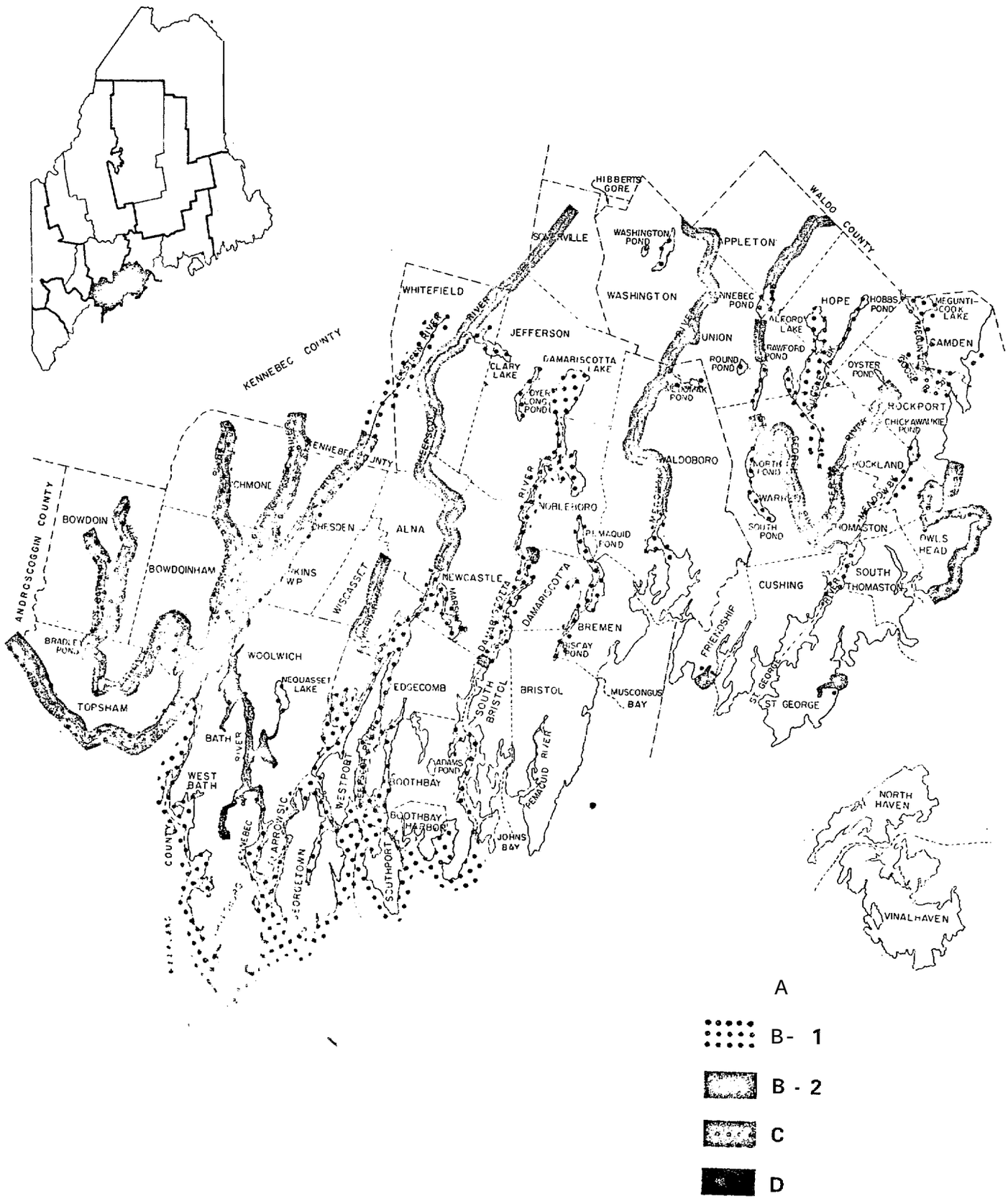

SURFACE WATER CLASSIFICATION
A
B - 1
B - 2
C
D
PENOBSCOT REGION
PENOBSCOT COUNTY



SURFACE WATER CLASSIFICATION

- A
- B-1
- B-2
- C
- D

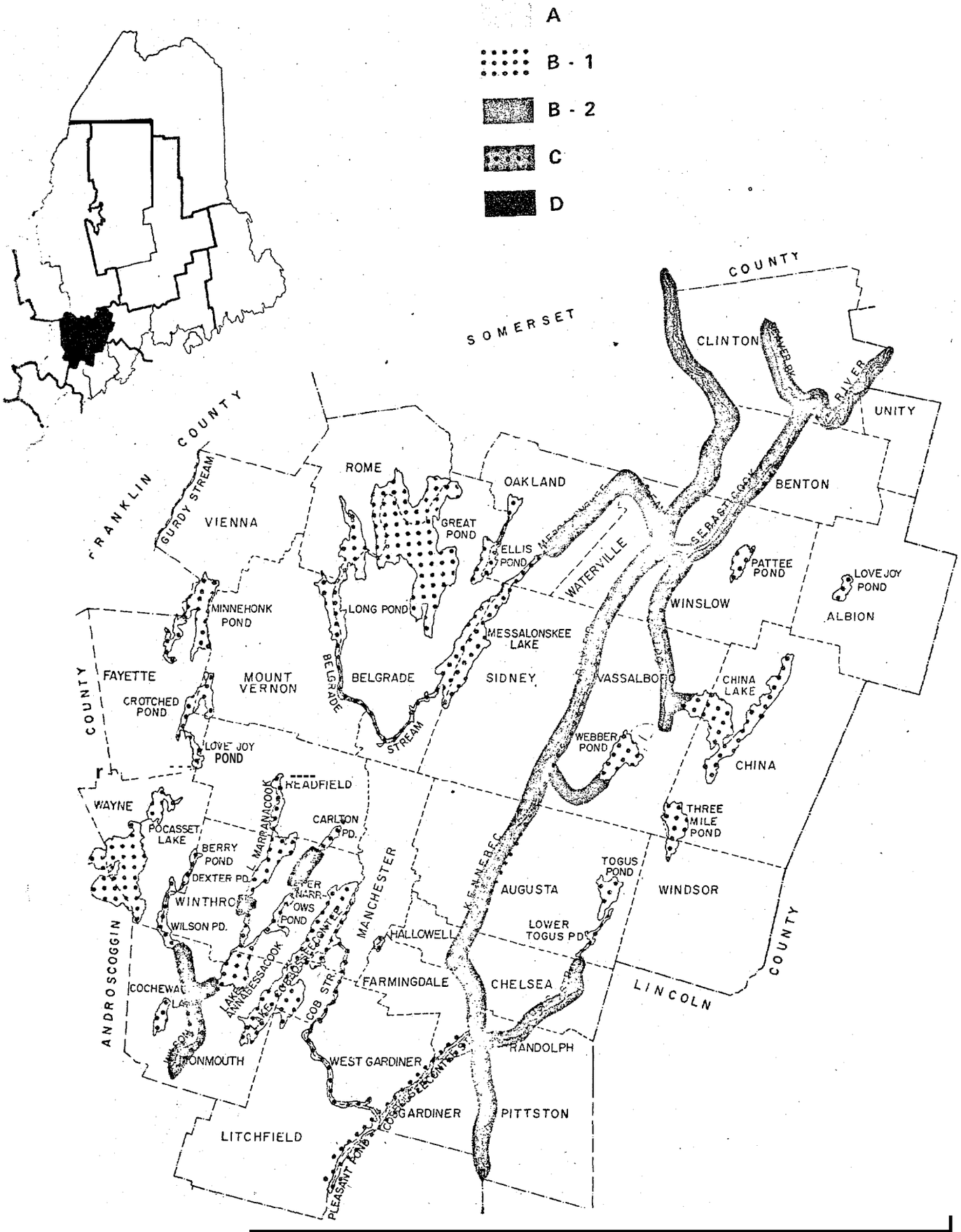
A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION		
TRIGOM PARC	FIGURE 17-3	Surface Water Classification - Coastal Region (E. C. Jordan, 1969)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-4 Surface Water Classification-coastal Region I (E.C. Jordan, 1969)

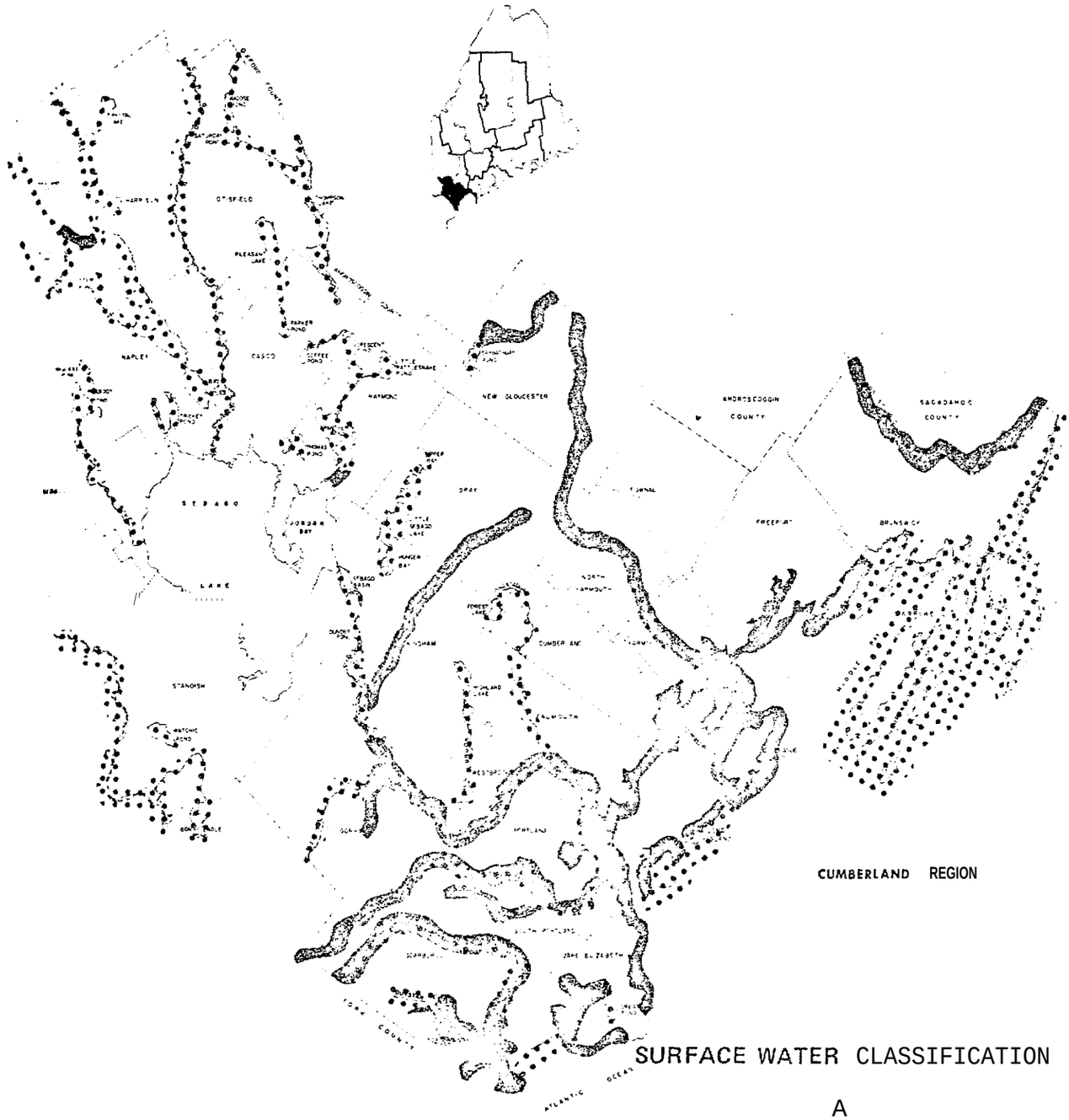


A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

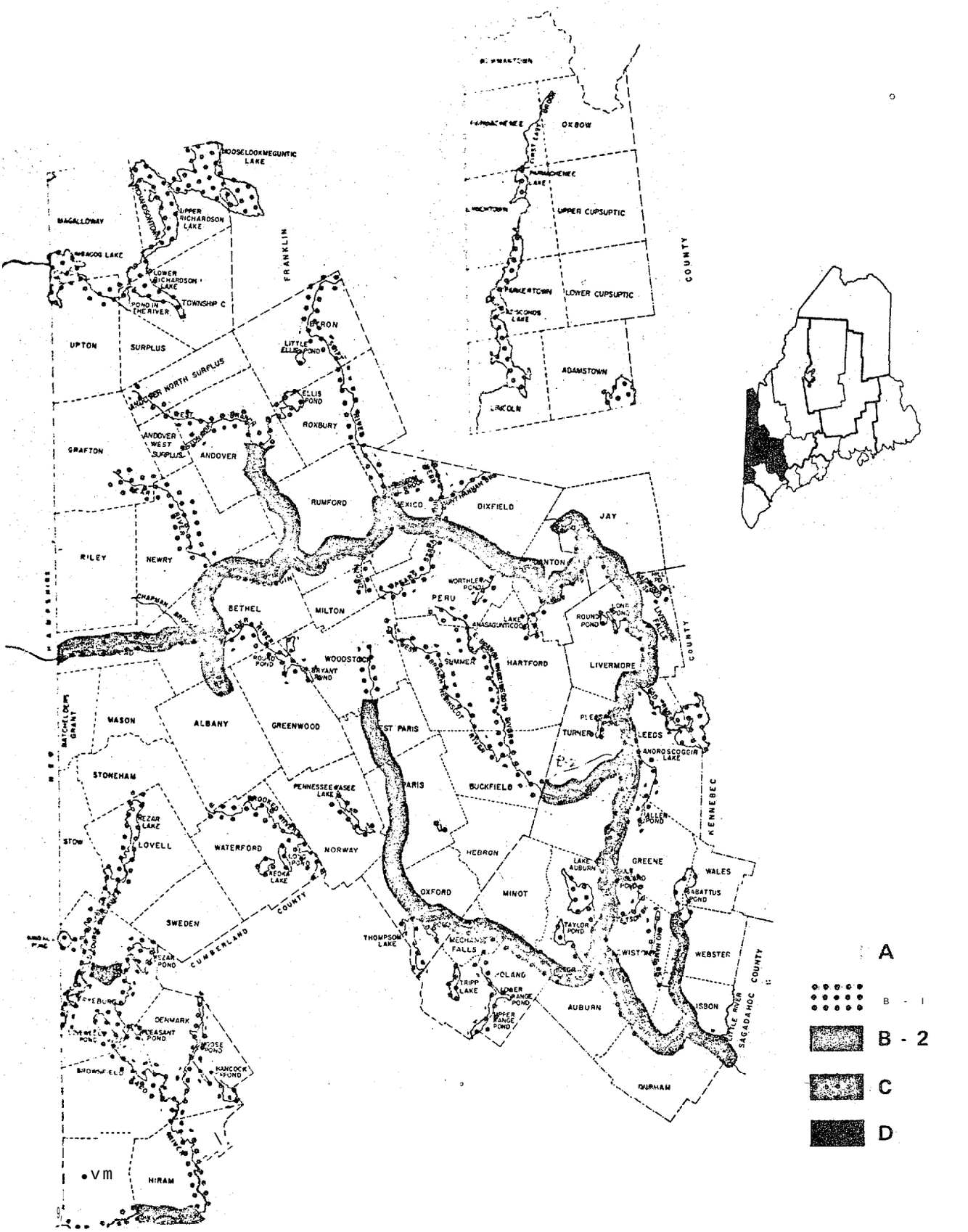
FIGURE 17-5

Surface Mater Classification - Kennebec Region, (E. C. Jordan, 1969)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

n ? IGOM PARC | FIGURE 17-6 | Surface Water Classification - Cumberland Region (E.C. Jordan, 1969)

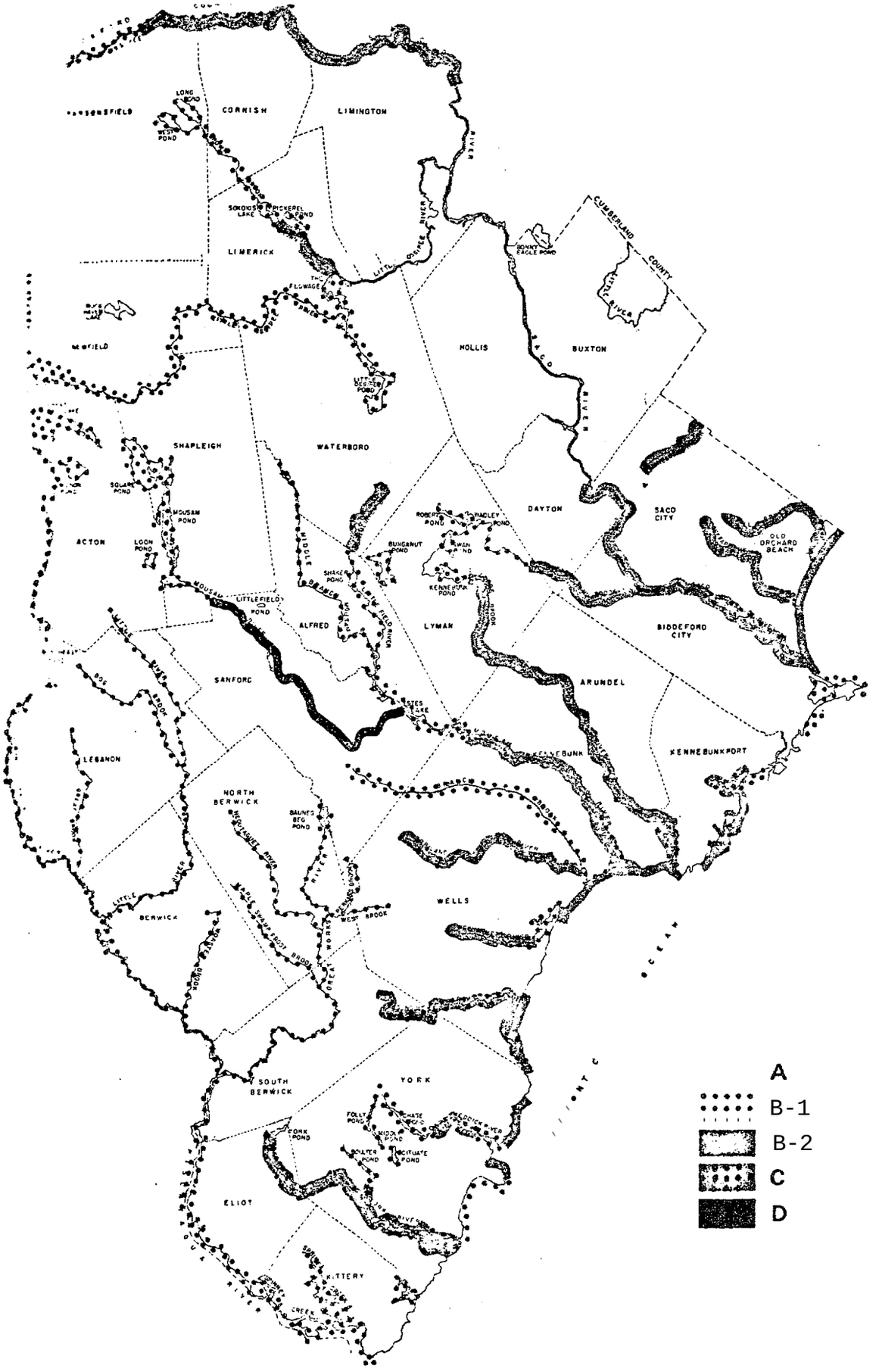


A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-7

Surface Water Classification - Androscoggin Region (E. C. Jordan, 1969)

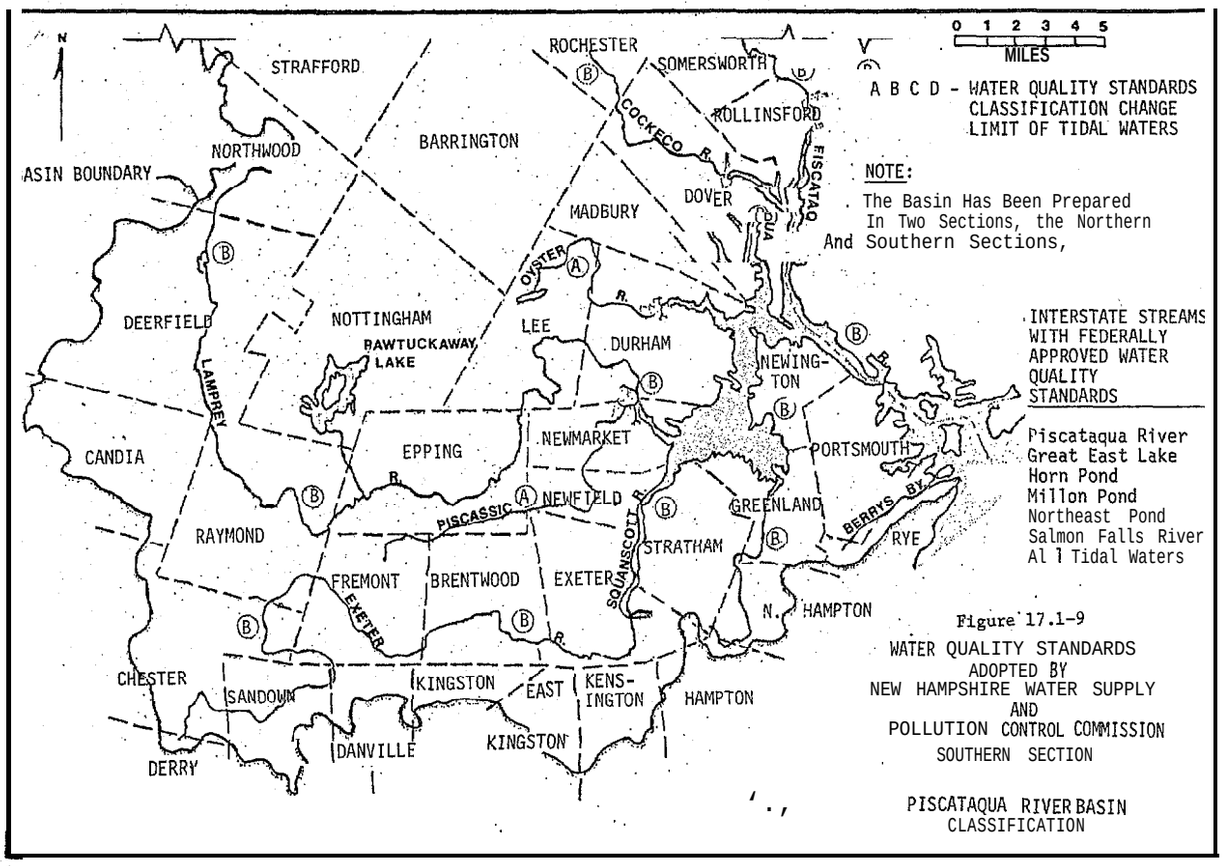


A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

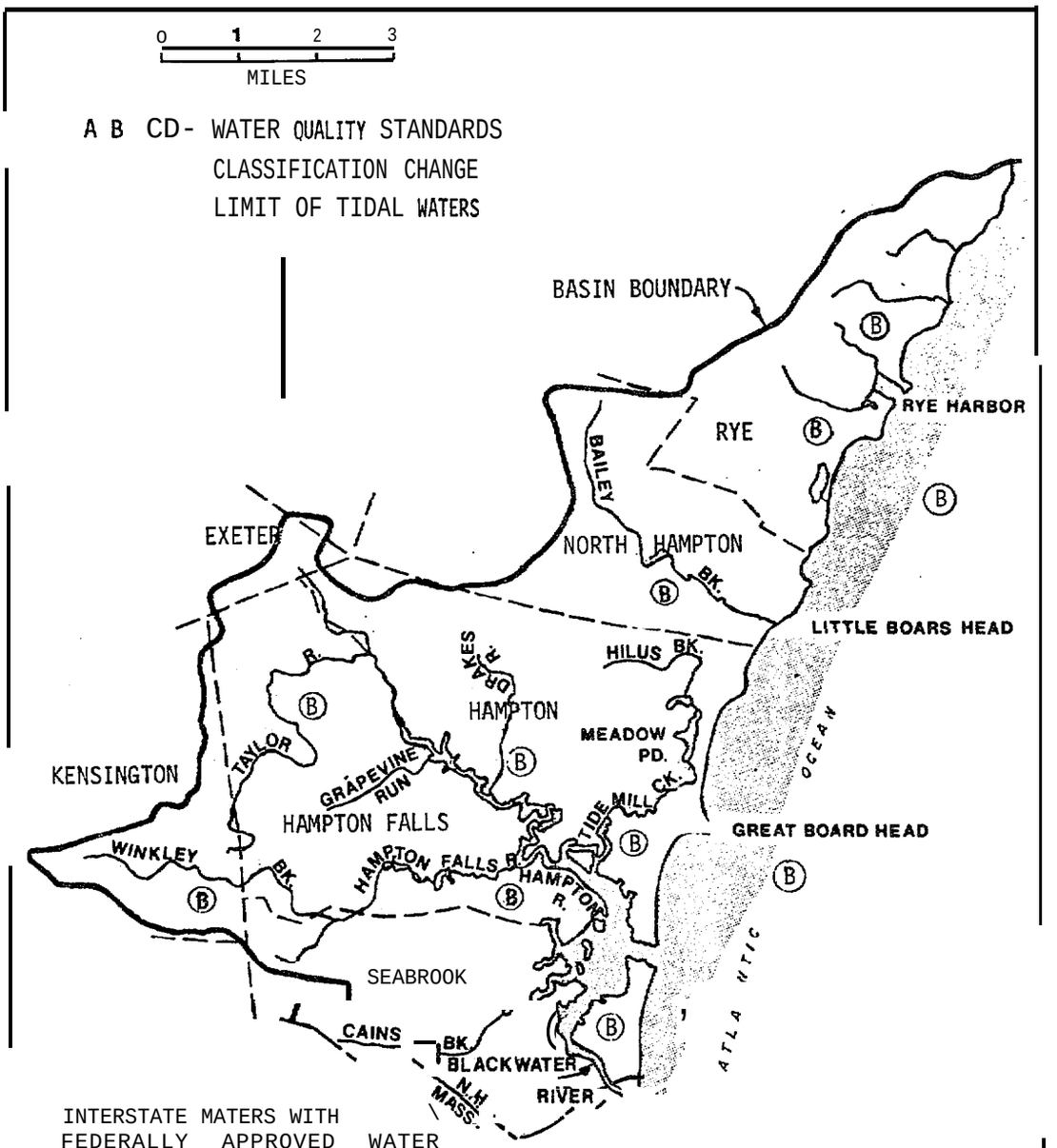
TRIGOM PARC

FIGURE 17-8

Surface Water Classification-York Region (E.C. Jordan, 1969)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION		
TRIGOM PARC	FIGURE 17-9	Piscataqua River Basin Classification - N. H. (New Hampshire Water 'Supply & Pollution Control Commission 1973)

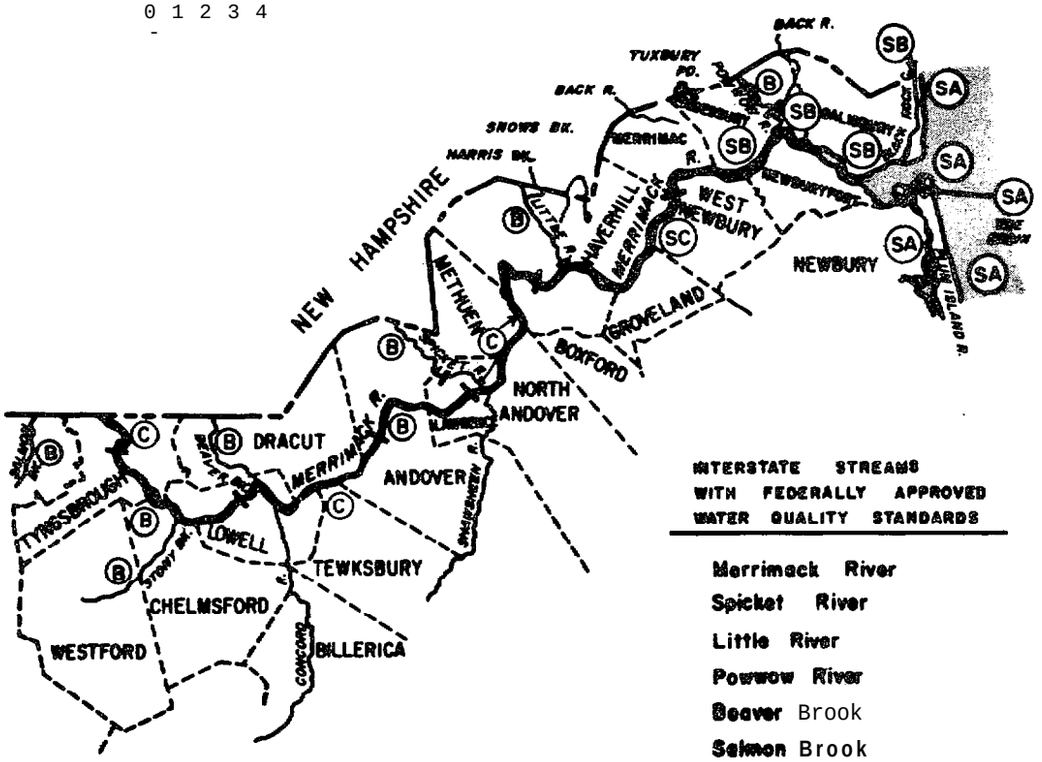


WATER QUALITY STANDARDS
ADOPTED BY
NEW HAMPSHIRE WATER SUPPLY AND POLLUTION CONTROL COMMISSION

COASTAL WATERS BASINS CLASSIFICATION

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

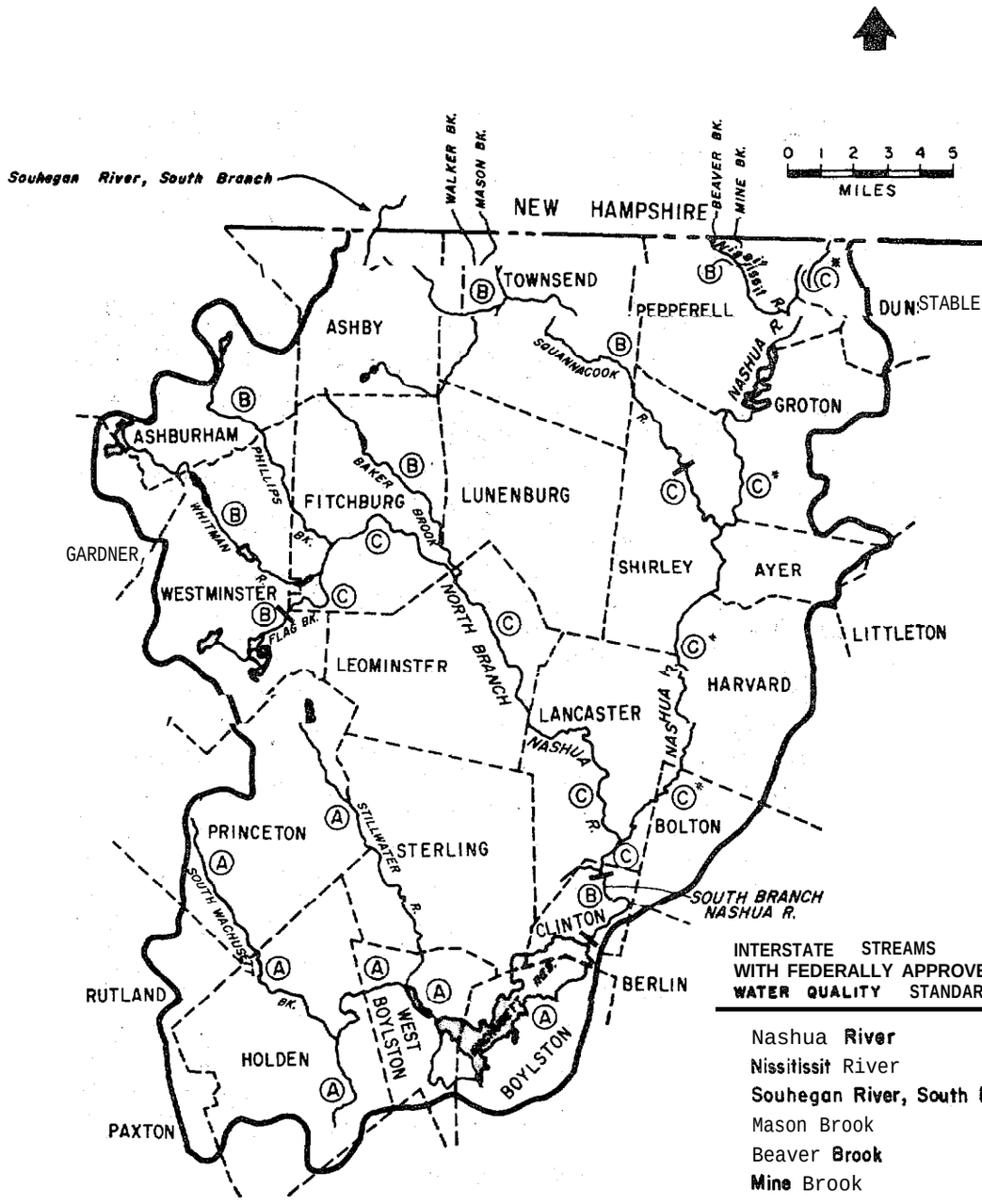
TRIGOM PARC | FIGURE 17-11 | Major Interstate Waters - Mass.



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-12 Merrimack River Basin Classification Mass.



INTERSTATE STREAMS
WITH FEDERALLY APPROVED
WATER QUALITY STANDARDS

Nashua River
Nissitissit River
Souhegan River, South Br.
Mason Brook
Beaver Brook
Mine Brook
Walker Brook

WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

NASHUA RIVER BASIN
CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ Ⓒ*
-CHANGE OF CLASSIFICATION

Ⓒ* SEE TABLE I

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-13

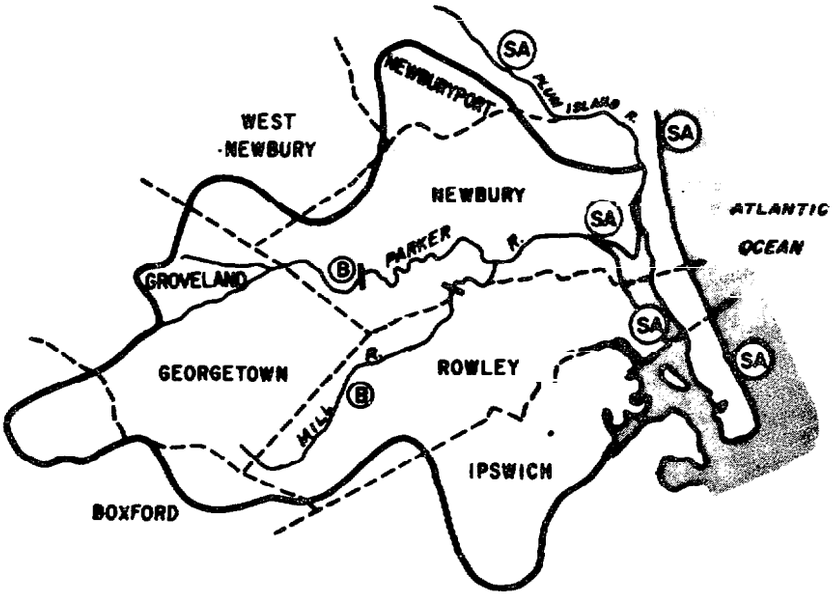
Nashua River Basin Classification

INTERSTATE STREAMS
WITH FEDERALLY APPROVED
WATER QUALITY STANDARDS

Tidal Portion of
Parker River Basin

Plum Island River (Tidal)

0 1 2 3 4 5



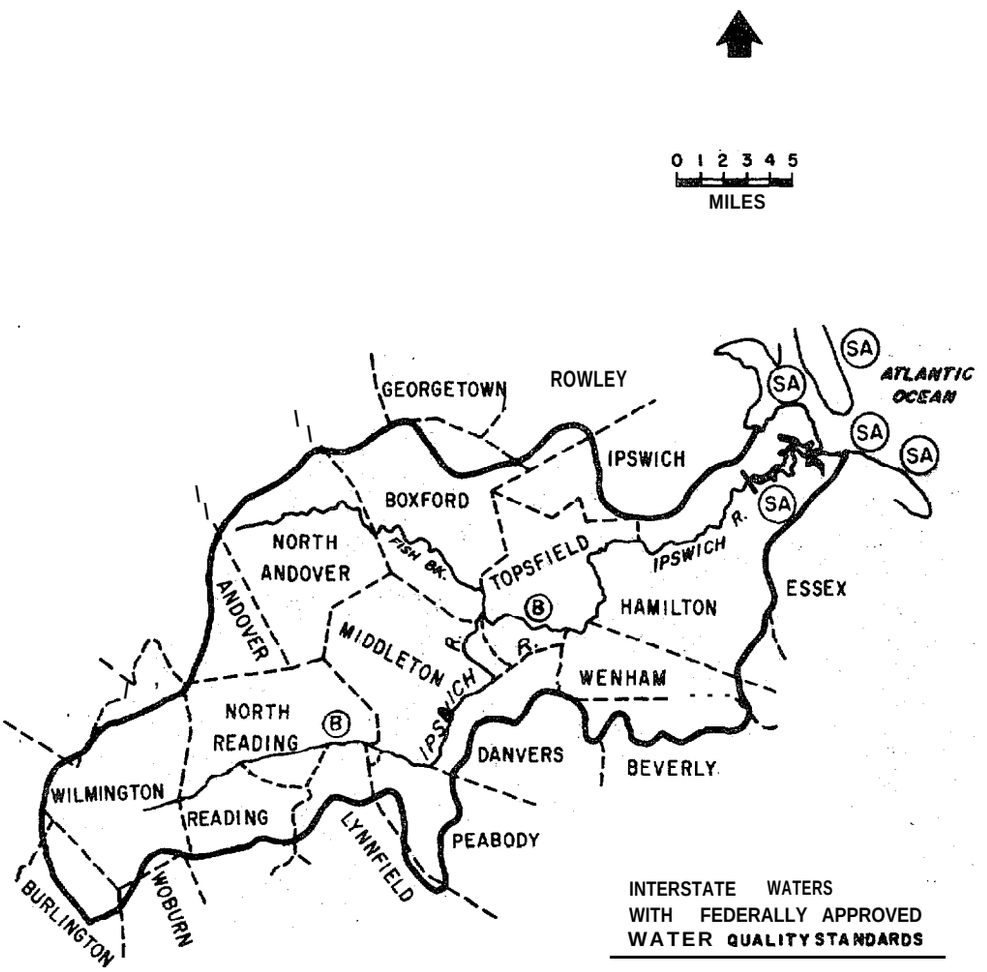
WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

PARKER RIVER BASIN

CLASSIFICATION

WATER QUALITY STANDARDS - (A) (B) (C) (D) (SA)

- CHANGE OF CLASSIFICATION



WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

IPSWICH RIVER BASIN

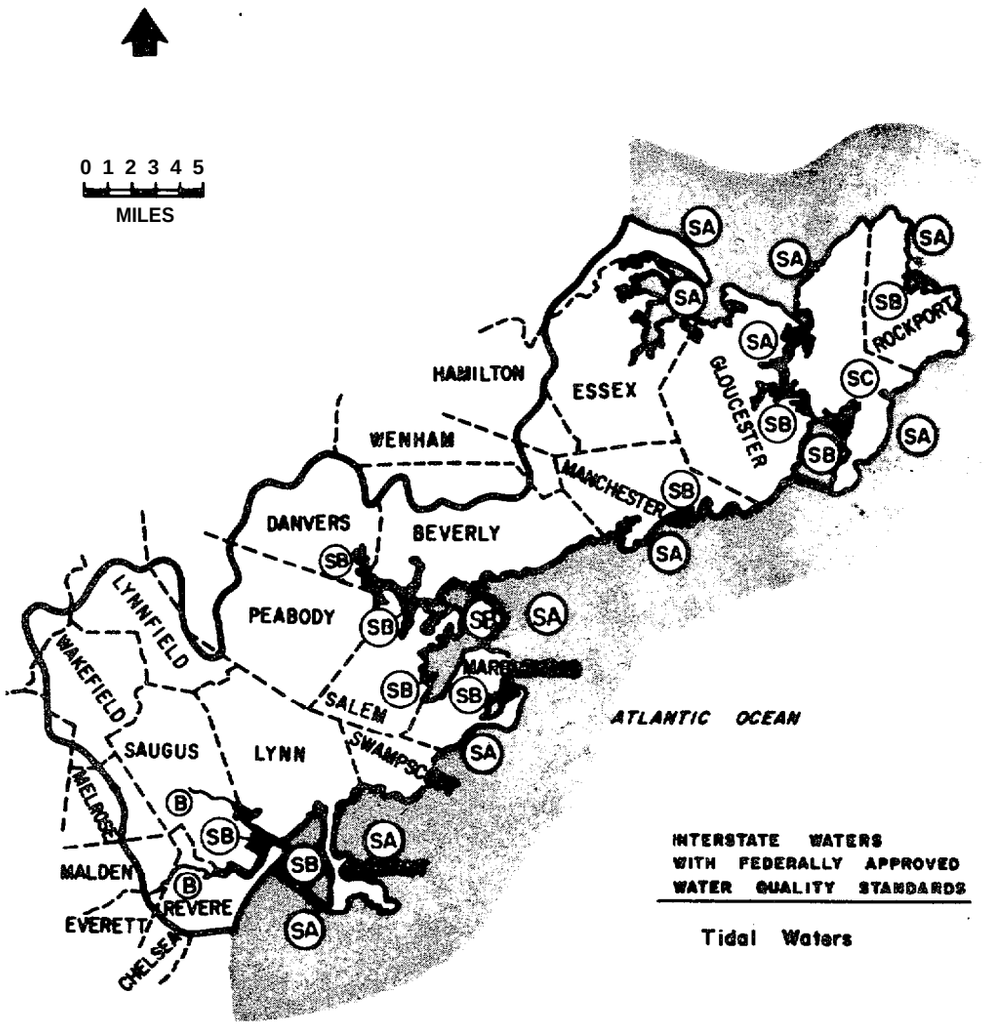
CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ (SA)

- CHANGE OF CLASSIFICATION

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC | FIGURE 17-15 | Ipswich River Basin Classification



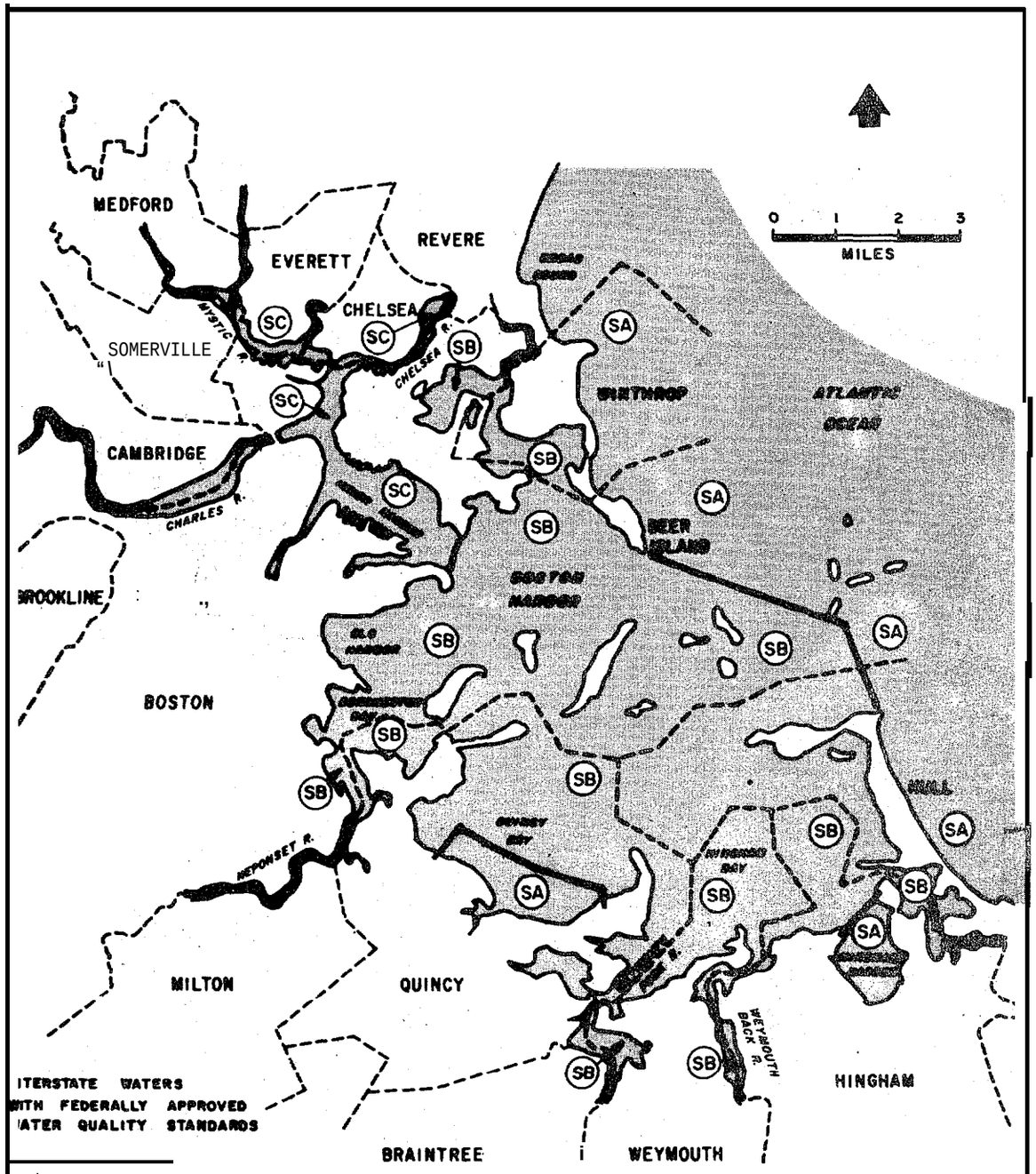
WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

NORTH COASTA<
CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ Ⓢⓐ Ⓢⓑ Ⓢⓒ
- CHANGE OF CLASSIFICATIOM

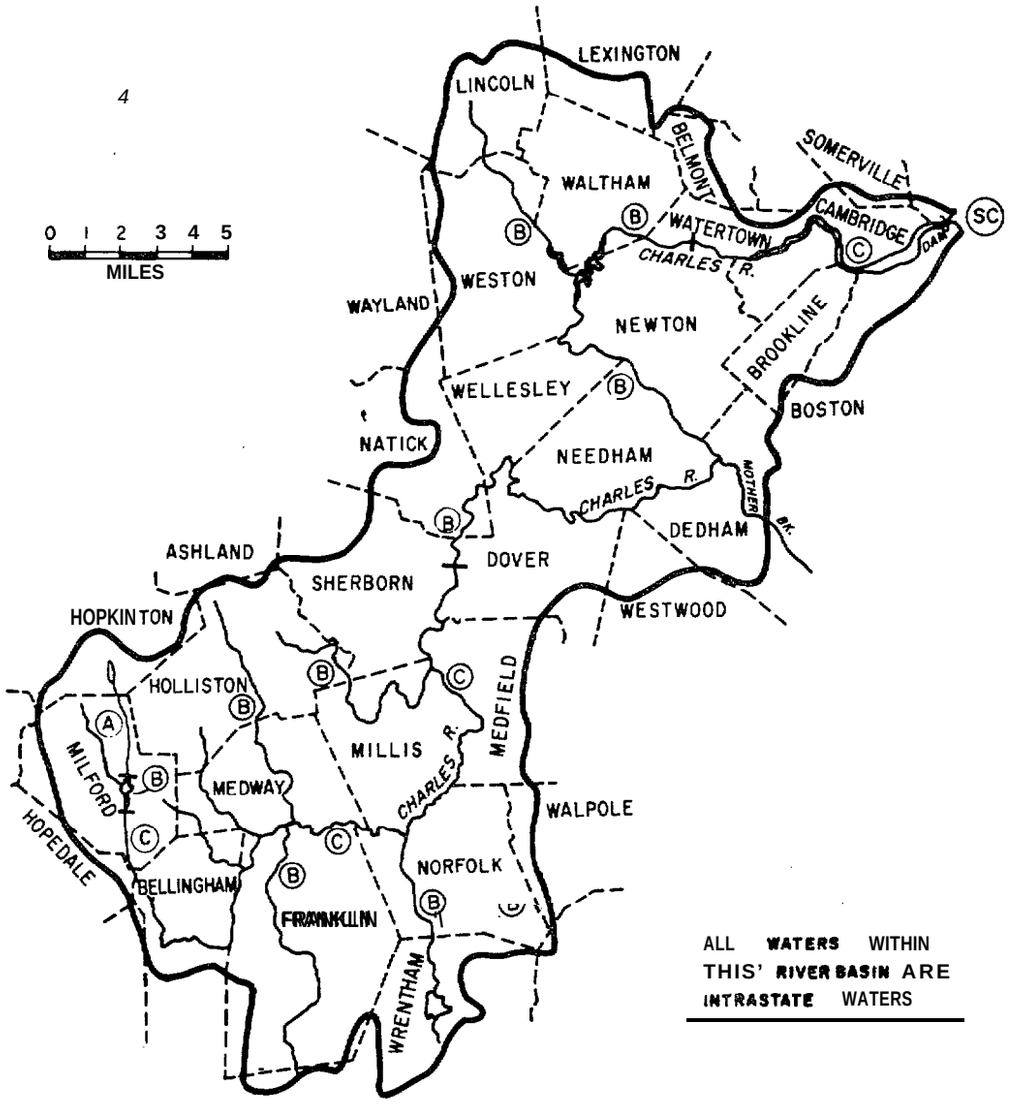
A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

n ?IGOM PARC | FIGURE 17-16 | North Coastal Classification - Mass.



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC	FIGURE 17-17	Boston Harbor Classification

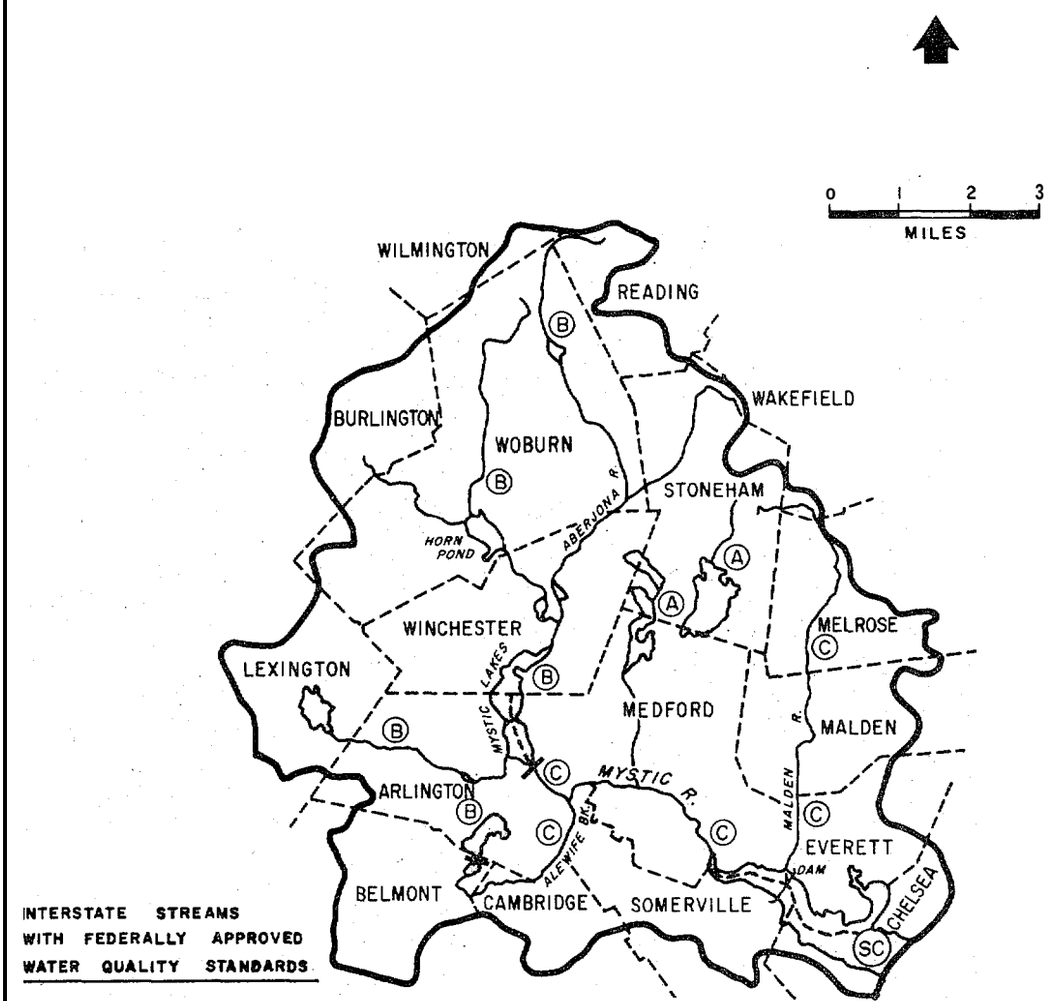


WATER QUA LITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

CHARLES RIVER BASIN

CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ (SC)
-CHANGE OF CLASSIFICATION

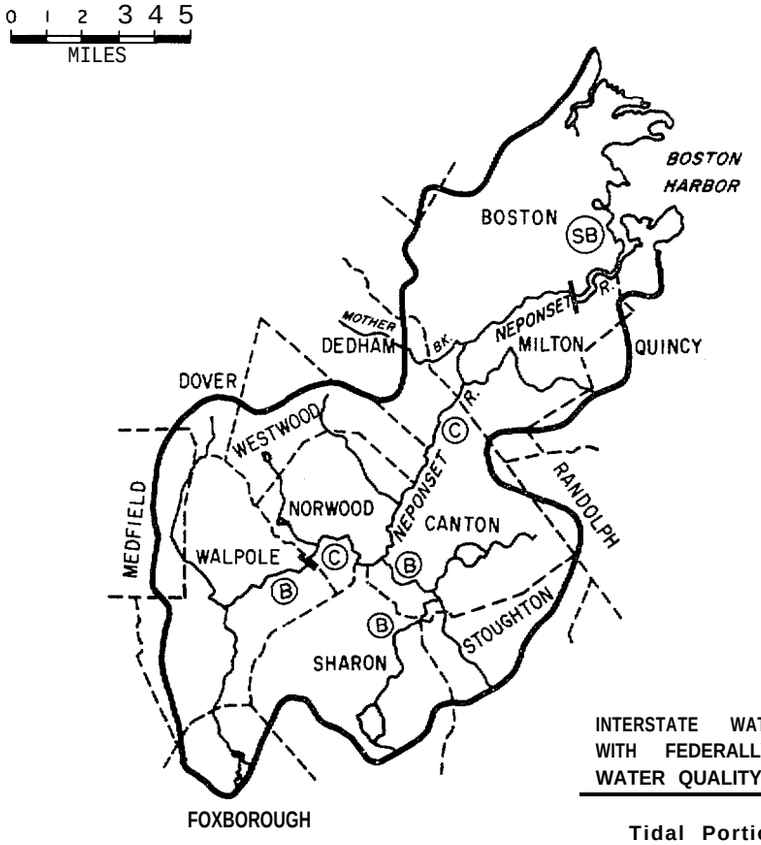


WATER QUALITY sTANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

MYSTIC RIVER BASIN
CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ (SC)
-CHANGE OF CLASSIFICATION

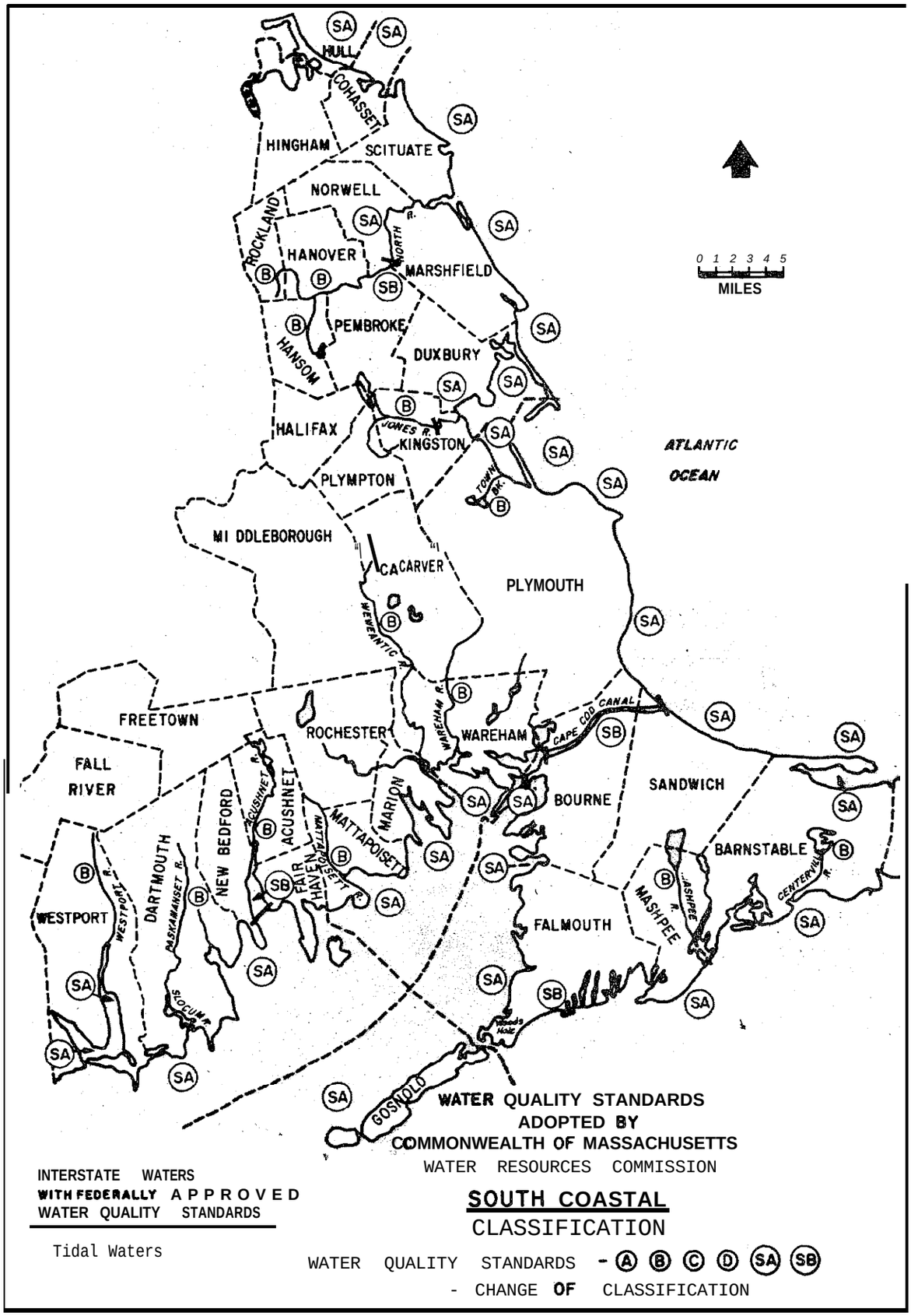
4



WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

NEPONSET RIVER BASIN
CLASSIFICATION

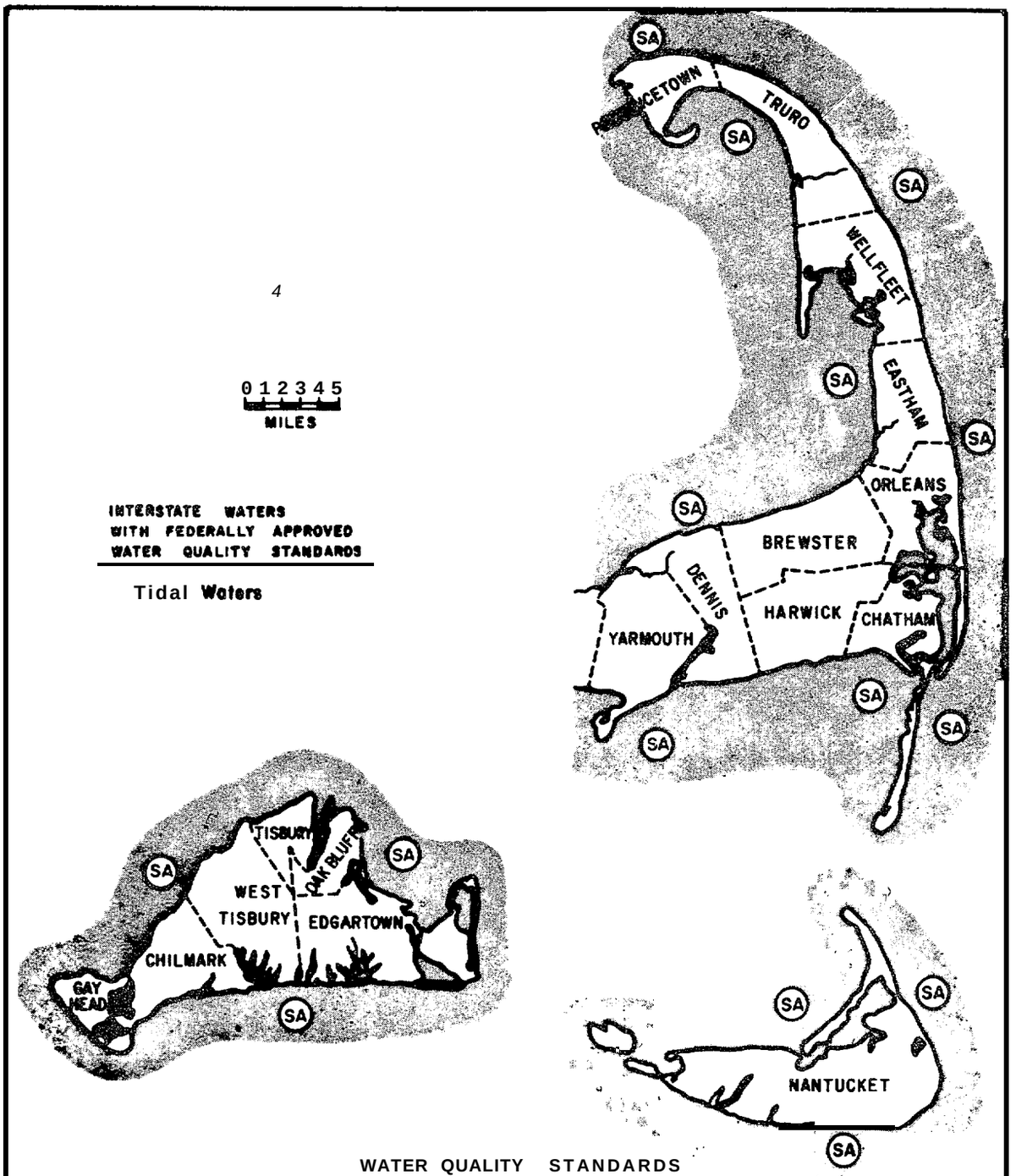
WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ (SB)
- CHANGE OF CLASSIFICATION



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-21 South Coastal Classification



WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

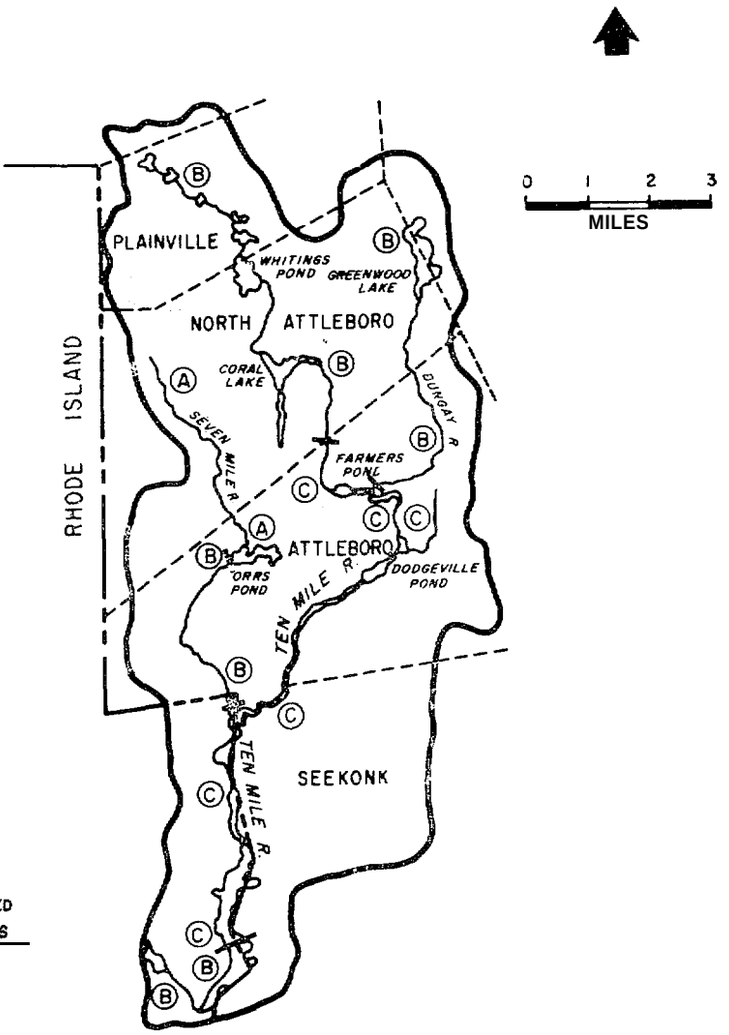
SOUTH COASTAL (CAPE AREA)
CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ (SA)
- CHANGE OF CLASSIFICATION



I A SOCK) -ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRW	FIGURE 17-23	Taunton River Basin Classification



INTERSTATE STREAMS
WITH FEDERALLY APPROVED
WATER QUALITY STANDARDS

Ten Mile River

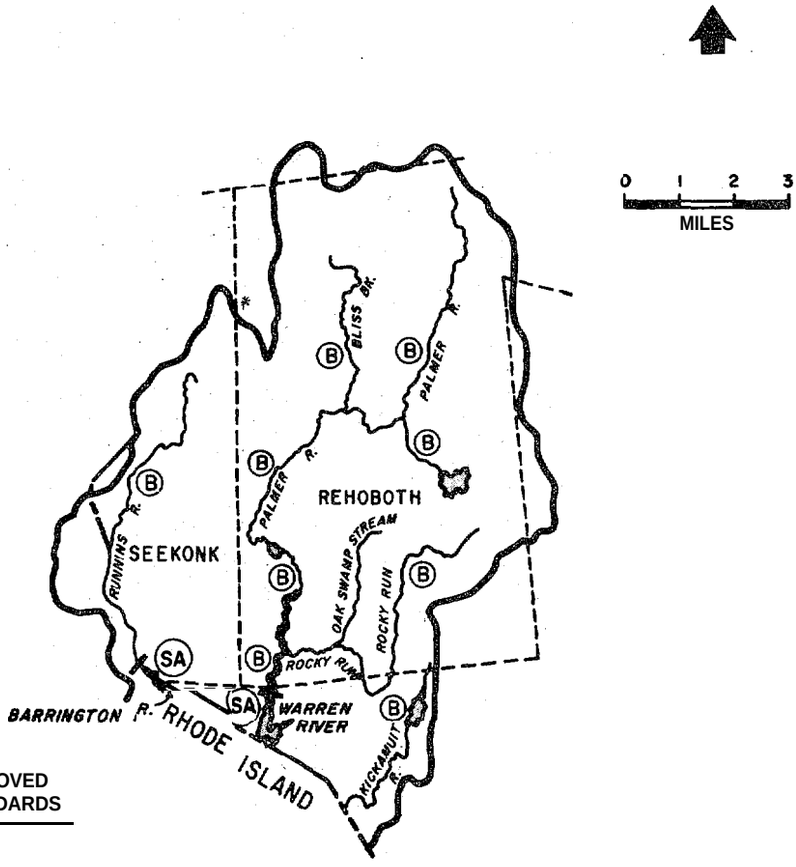
Seven Mile River

WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

TEN MILE RIVER BASIN
CLASSIFICATION

WATER QuALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ

— CHANGE OF CLASSIFICATION



INTERSTATE STREAMS WITH FEDERALLY APPROVED WATER QUALITY STANDARDS

- Barrington River
- Kickamuit River
- Palmer River
- Runnins River
- War ren River

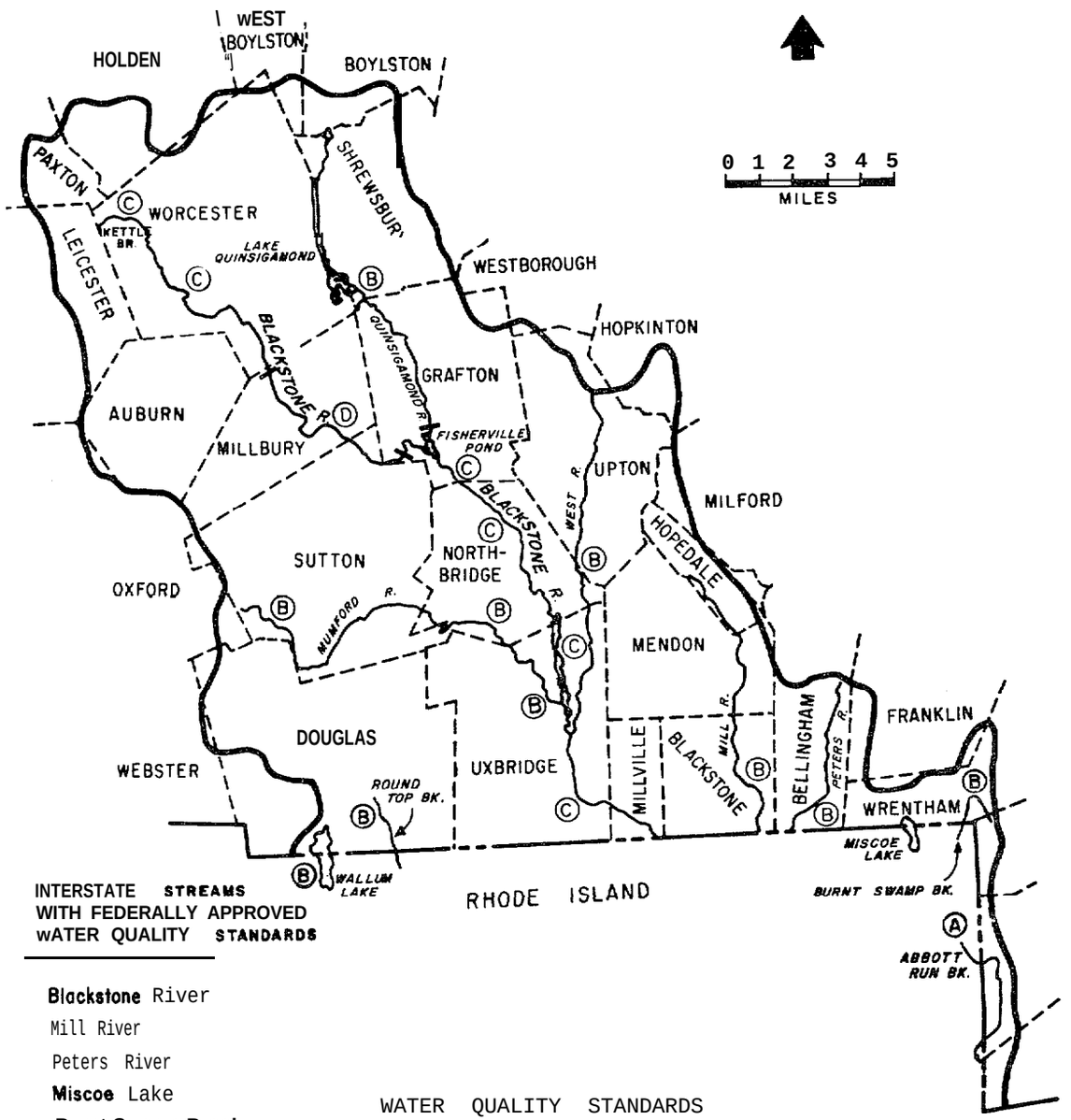
WATER QUALITY STANDARDS
ADOPTED BY
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

KICKAMUIT, WARREN & BARRINGTON RIVER BASINS

CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ (SA)

— CHANGE OF CLASSIFICATION



INTERSTATE STREAMS WITH FEDERALLY APPROVED WATER QUALITY STANDARDS

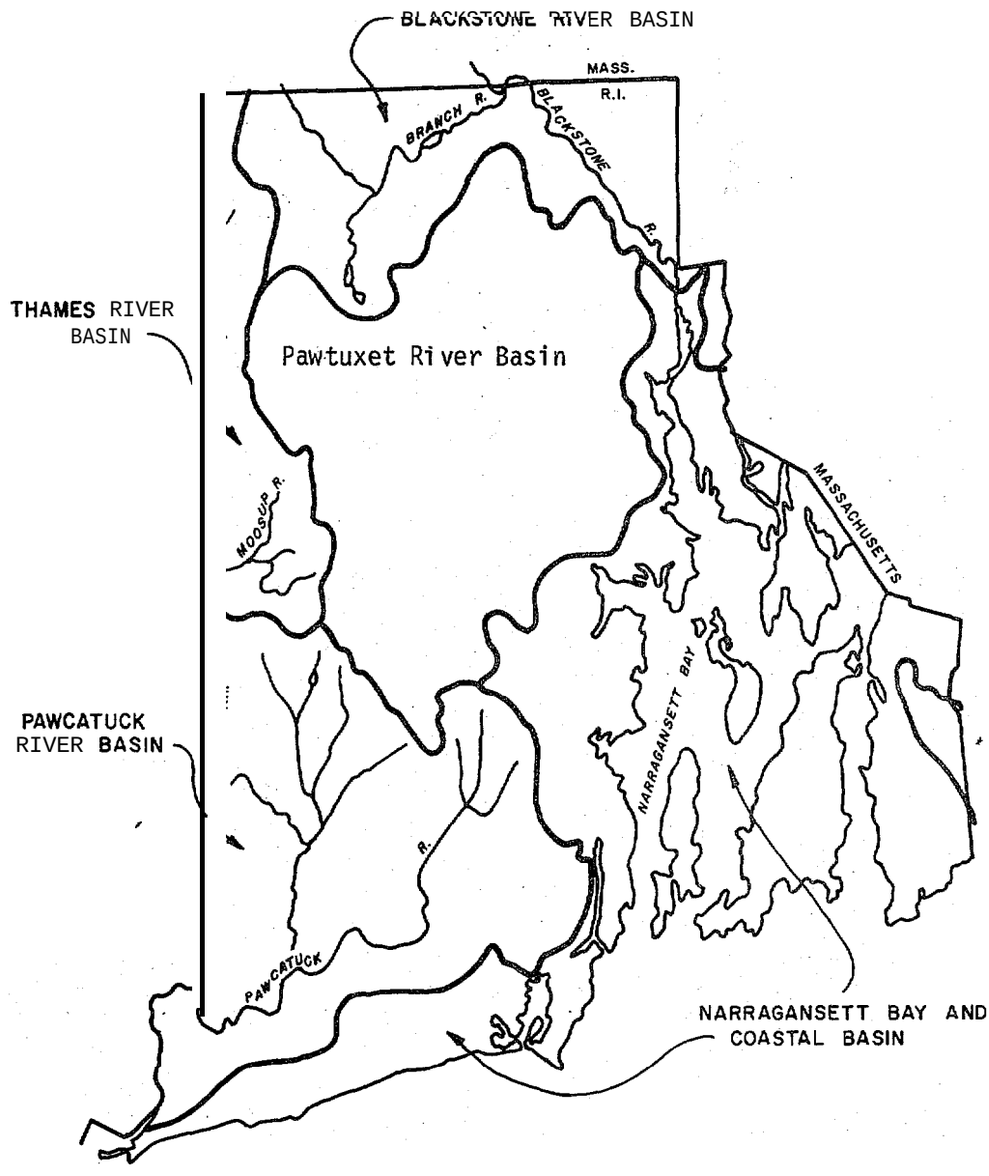
Blackstone River
Mill River
Peters River
Miscoe Lake
Burnt Swamp Brook
Abbott Run Brook
Round Top Brook
Wallum Lake

WATER QUALITY STANDARDS ADOPTED BY COMMONWEALTH OF MASSACHUSETTS WATER RESOURCES Commission

BLACKSTONE RIVER BASIN CLASSIFICATION

WATER QUALITY STANDARDS - Ⓐ Ⓑ Ⓒ Ⓓ

-CHANGE OF CLASSIFICATION



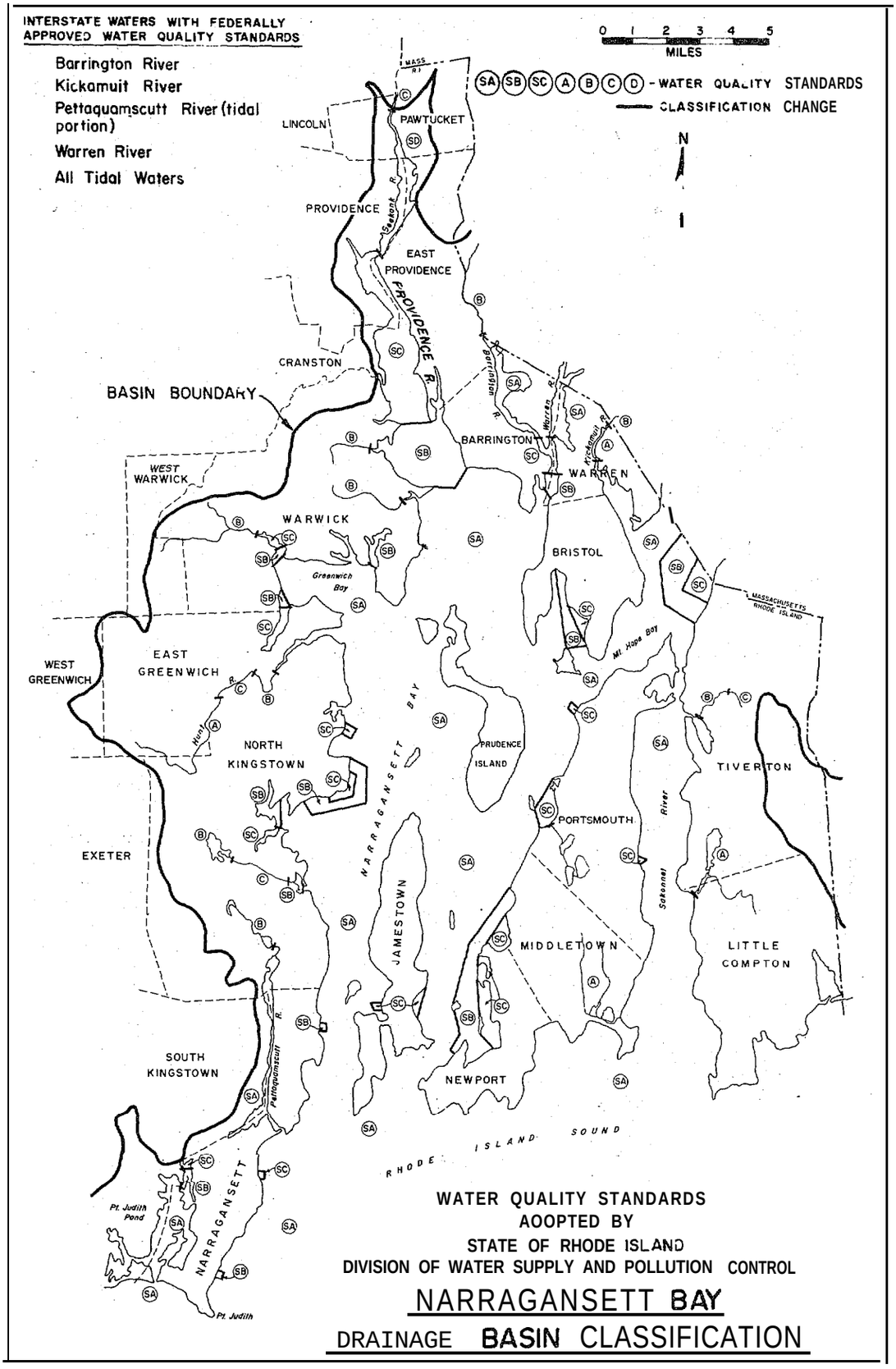
STATE OF RHODE ISLAND
MAJOR INTERSTATE WATERS

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

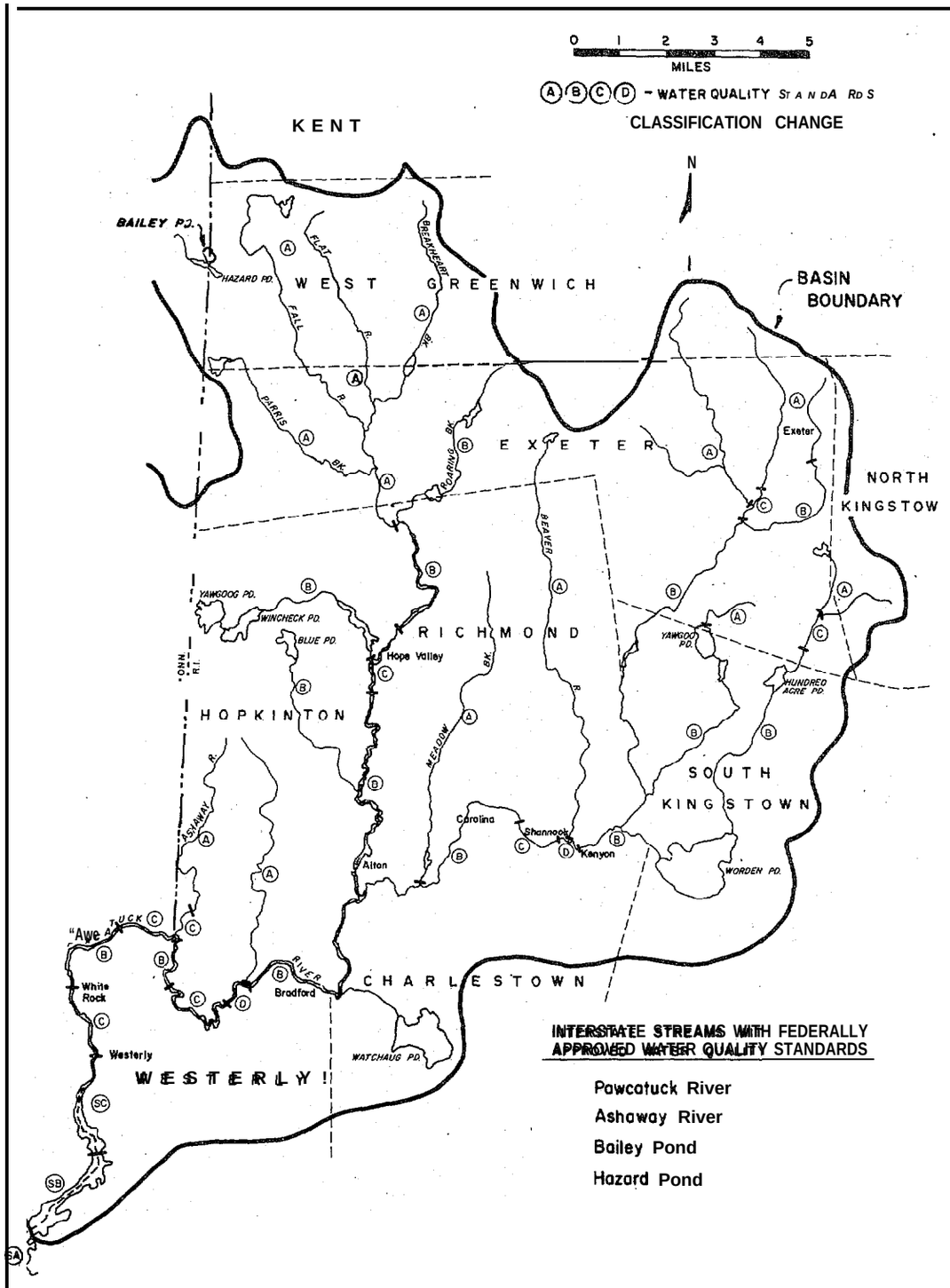
TRIGOM PARC	FIGURE 17-27	Major Interstate Waters-Rhode Island

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC | FIGURE 17-28 | Blackstone River Basin R.I. - Classification


INTERSTATE WATERS WITH FEDERALLY APPROVED WATER QUALITY STANDARDS
Barrington River
Kickamuit River
Pettaquamscutt River (tidal portion)
Warren River
All Tidal Waters
0 1 2 3 4 5
MILES
SA SB SC A B C D - WATER QUALITY STANDARDS
CLASSIFICATION CHANGE
N
LINCOLN
PAWTUCKET
PROVIDENCE
EAST PROVIDENCE
CRANSTON
BASIN BOUNDARY
WEST WARWICK
WARWICK
BARRINGTON
WARREN
BRISTOL
EAST GREENWICH
WEST GREENWICH
NORTH KINGSTOWN
EXETER
SOUTH KINGSTOWN
JAMESTOWN
NEWPORT
PRUDENCE ISLAND
PORTSMOUTH
MIDDLETOWN
TIVERTON
LITTLE COMPTON
Greenwich Bay
Mt. Hope Bay
NARRAGANSETT BAY
Sakonnet River
Pettaquamscutt R.
Pt. Judith Pond
Pt. Judith
RHODE ISLAND SOUND
MASSACHUSETTS
RHODE ISLAND
WATER QUALITY STANDARDS
AOOPTED BY
STATE OF RHODE ISLAND
DIVISION OF WATER SUPPLY AND POLLUTION CONTROL
NARRAGANSETT BAY
DRAINAGE BASIN CLASSIFICATION

NARRAGANSETT
KINGSTOWN
CHARLESTOWN
WESTERLY
BLOCK ISLAND SOUND
BASIN BOUNDARY
Pt Judith
Pt Judith Pond
Green Hill Pd
Alamynat Pd
Quonochontaug Pd
Winnapaug Pd
CONNECTICUT
RHODE ISLAND
N
MILES
0 1 2 3 4 5
SA SB SC SD WATER QUALITY STANDARDS
CLASSIFICATION CHANGE
INTERSTATE WATERS WITH FEDERALLY APPROVED WATER QUALITY STANDARDS
Block Island Sound and Coastal Waters
Block Island Tidal Waters
Tidal Ponds
BLOCK ISLAND
Great Salt Pd.
PROVIDENCE
NEWPORT
POINT JUDITH
WESTERLY
RHODE ISLAND SOUND
BLOCK ISLAND SOUND
BLOCK ISLAND
WATER QUALITY STANDARDS
ADOPTED BY
STATE OF RHODE ISLAND
DIVISION OF WATER SUPPLY AND POLLUTION CONTROL
NARRAGANSETT BAY
AND
COASTAL DRAINAGE BASINS CLASSIFICATION



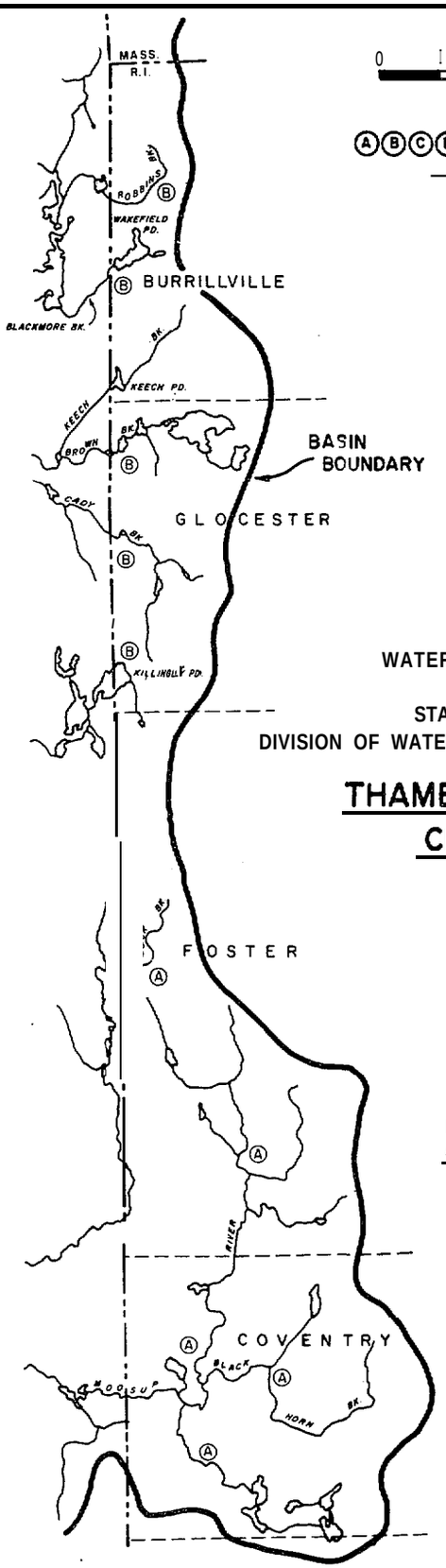
WATER QUALITY STANDARDS
'ADOPTED BY
STATE OF RHODE ISLAND
DIVISION OF WATER SUPPLY AND POLLUTION

PAWCATUCK RIVER BASIN CLASSIFICATION

A SOCIO-ECONOMIC AND Environmental inventory OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-31 Pawtucket River Basin-R.I. Classification



0 1 2 3 4 5
MILES

(A)(B)(C)(D) - WATER QUALITY STANDARDS
— CLASSIFICATION CHANGE

N

WATER QUALITY STANDARDS
ADOPTED BY
STATE OF RHODE ISLAND
DIVISION OF WATER SUPPLY AND POLLUTION CON ROL

THAMES RIVER BASIN CLASSIFICATION

INTERSTATE STREAMS WITH FEDERALLY APPROVED WATER QUALITY STANDARDS

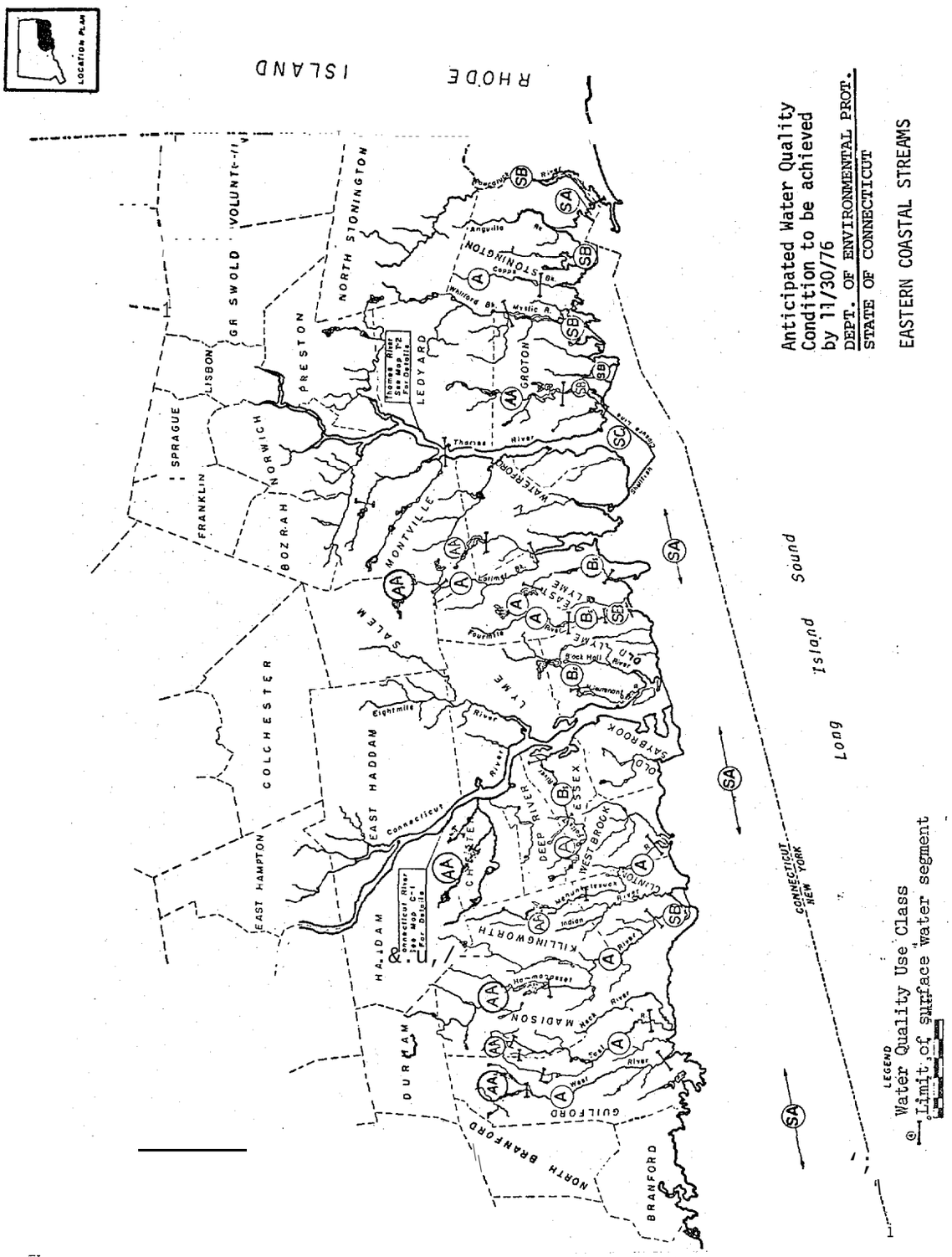
- Blackmore Brook
- Brown Brook
- Cody Brook
- Keech Brook
- Killingly Pond
- Moosup River
- Quaduck Brook
- Robbins Brook

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-32

Thames River Basin-R. I. Classification

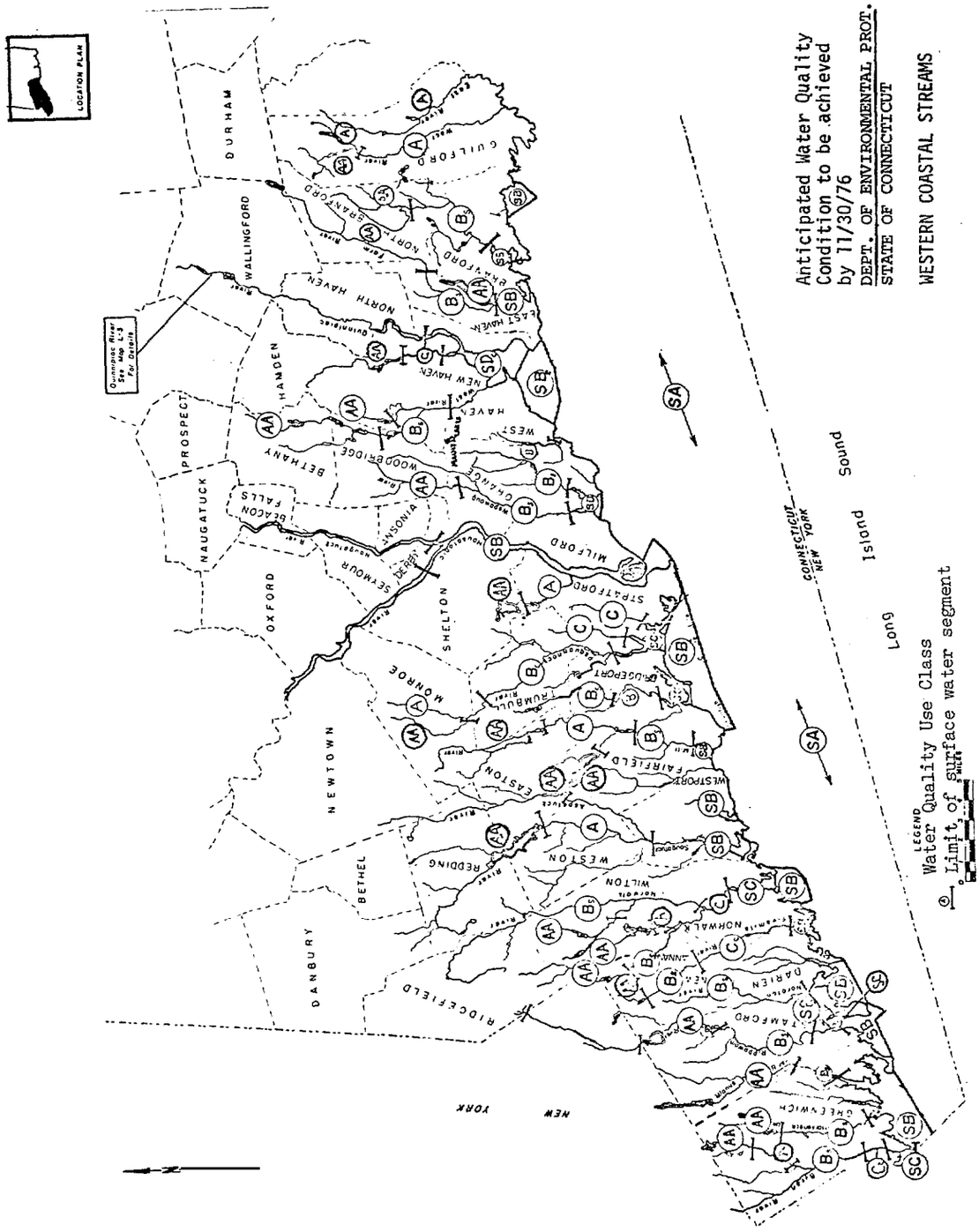


A SOCIO-ECONOMIC AND Environmental INVENTORY OF THE NORTH ATLANTIC REGION

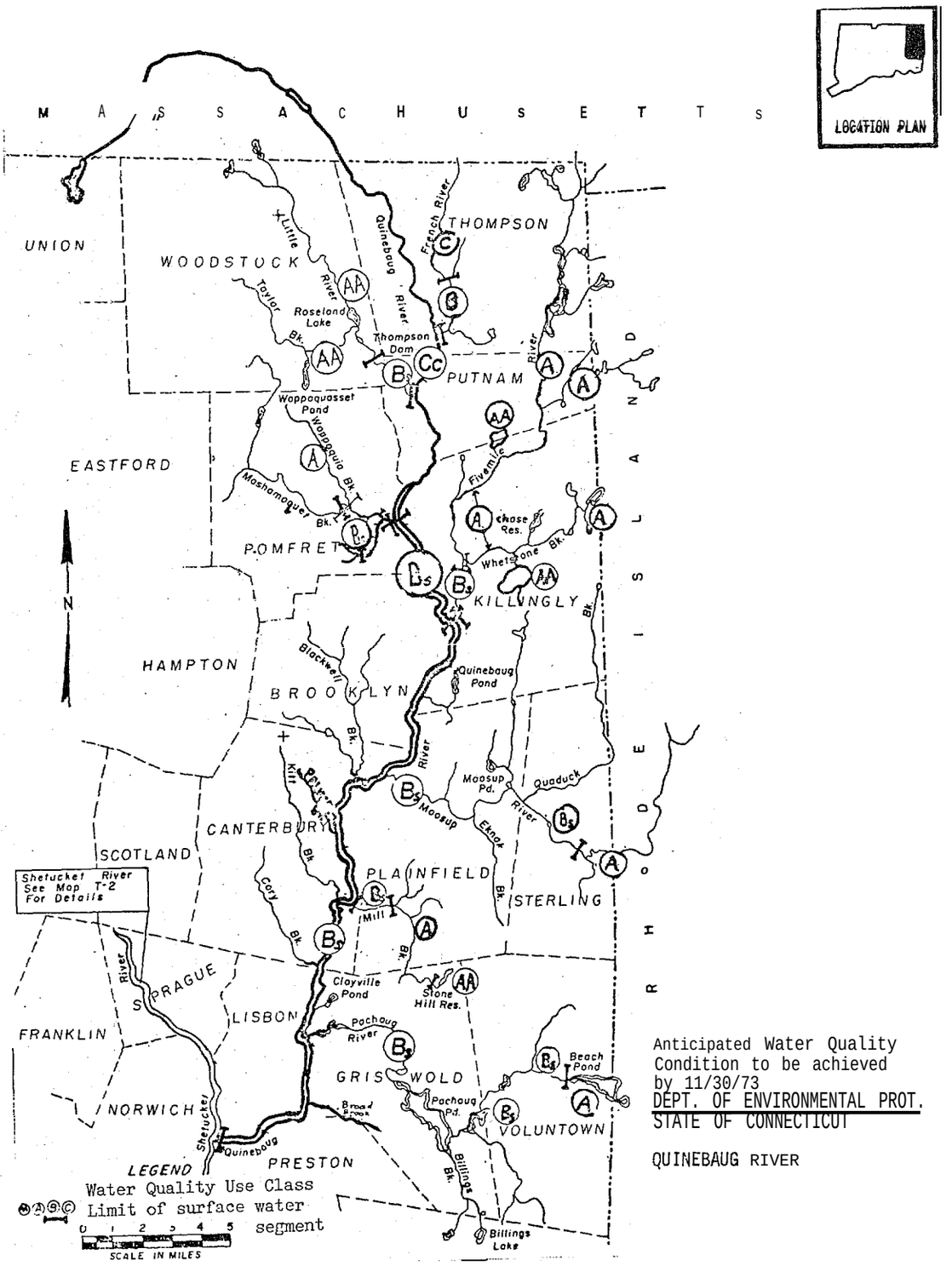
TRIGOM PARC

FIGURE 17-33

Anticipated Water Quality Condition to be Achieved by NOV 30, 1976-Eastern Connecticut Coastal Streams (D.E.P. - Corm. 1974)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION		
TRIGOM PARC	FIGURE 17-34	Anticipated Water Quality Condition to be Achieved by NOV 30, 1976-Western Connecticut Coastal Streams (D.E.P. - Corm. 1974)



Anticipated Water Quality Condition to be achieved by 11/30/73
DEPT. OF ENVIRONMENTAL PROT.
STATE OF CONNECTICUT

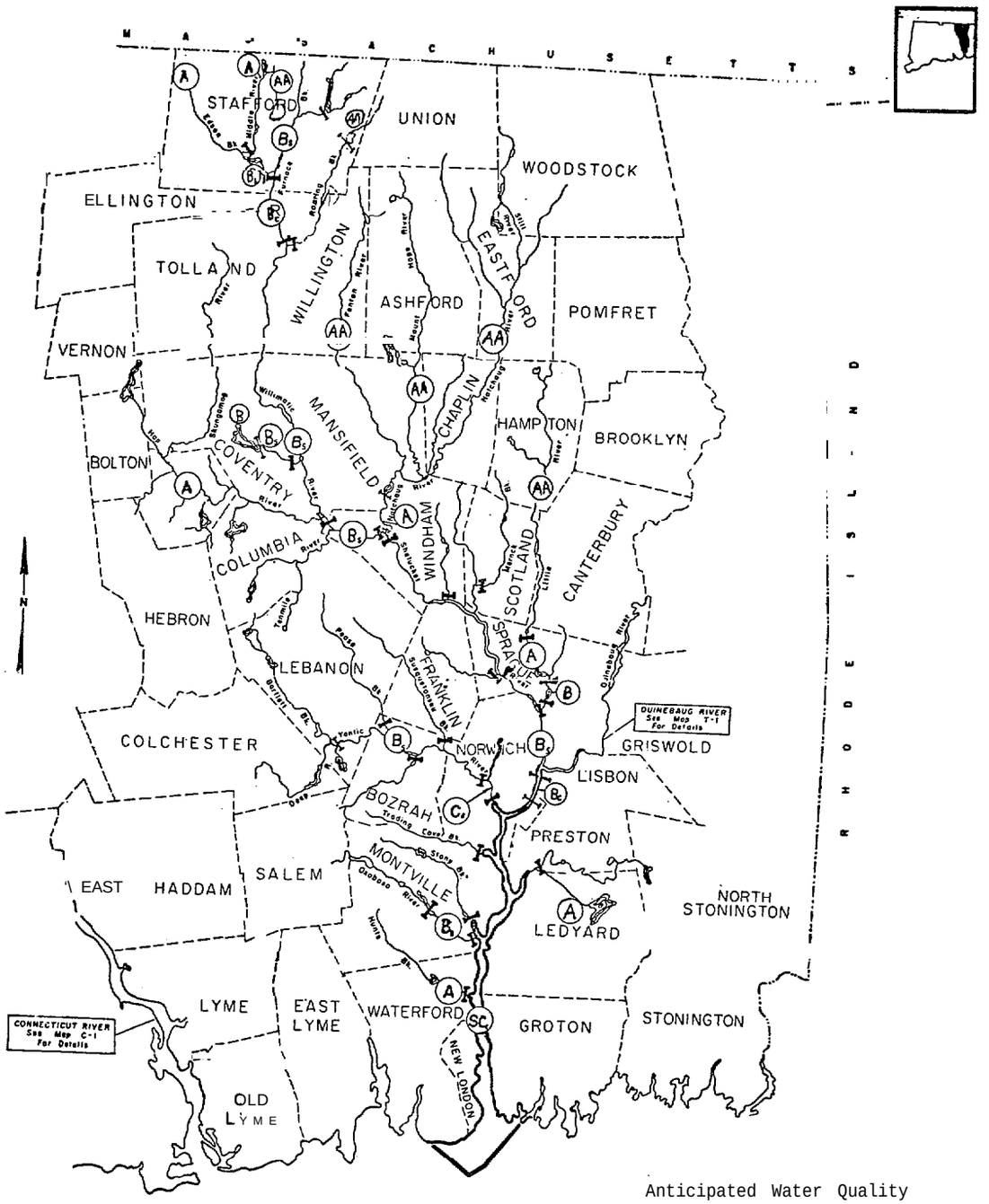
QUINEBAUG RIVER

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-35

Anticipated Water Quality Condition to be Achieved by NOV 30, 1976-Quinebaug River (D. E.P. - Conn. 1974)



Anticipated Water Quality Condition to be achieved by 11/30/76

DEPT. OF ENVIRONMENTAL, PROT.
STATE OF CONNECTICUT

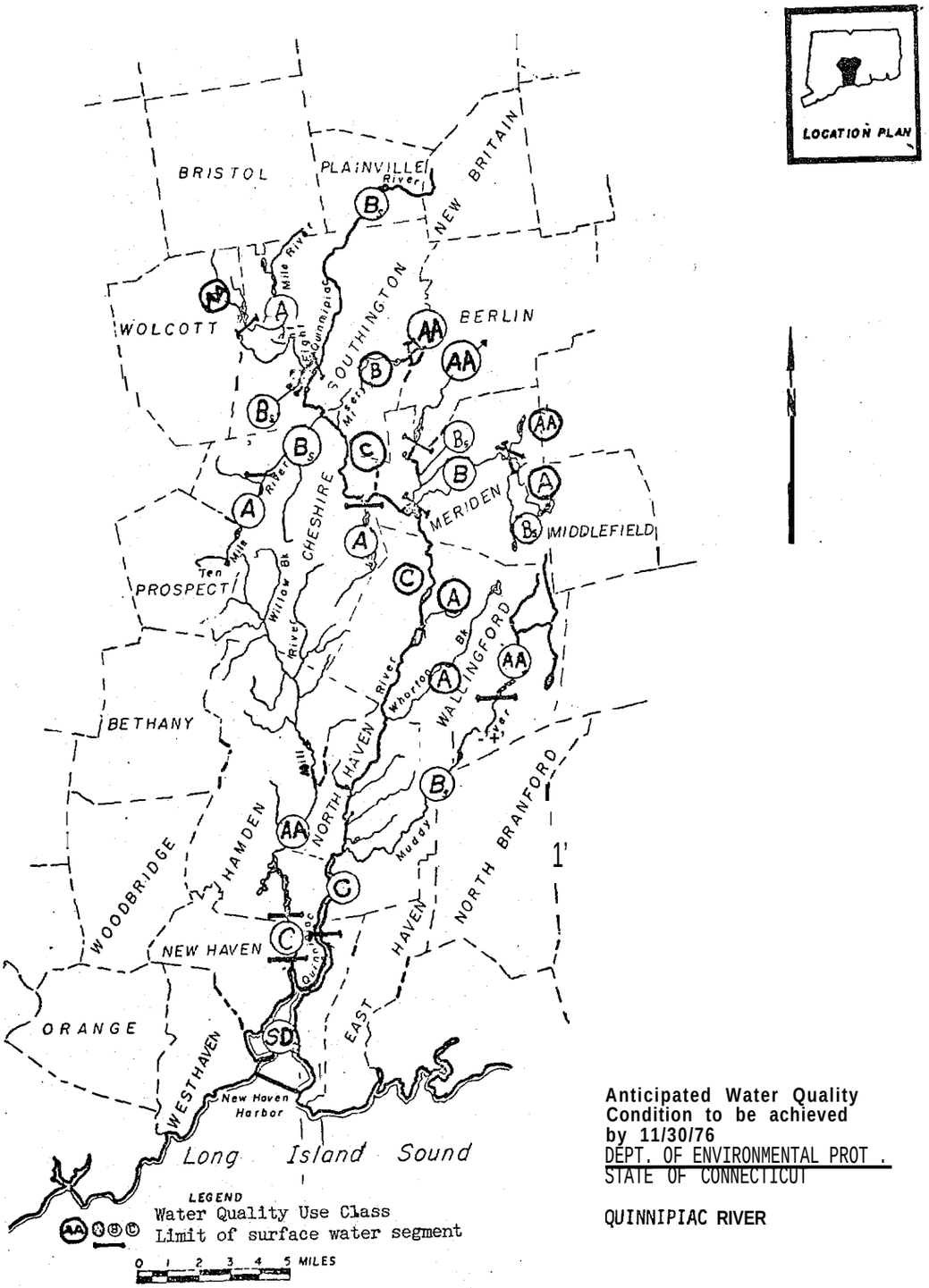
THAMES RIVER

A SOCIO-ECONOMIC AND ENVIRONMENTAL inventory OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17_36

Anticipated Water Quality Condition to be Achieved by NOV 30, 1976-Thames River ·(D.E.P. - Corm. 1974)



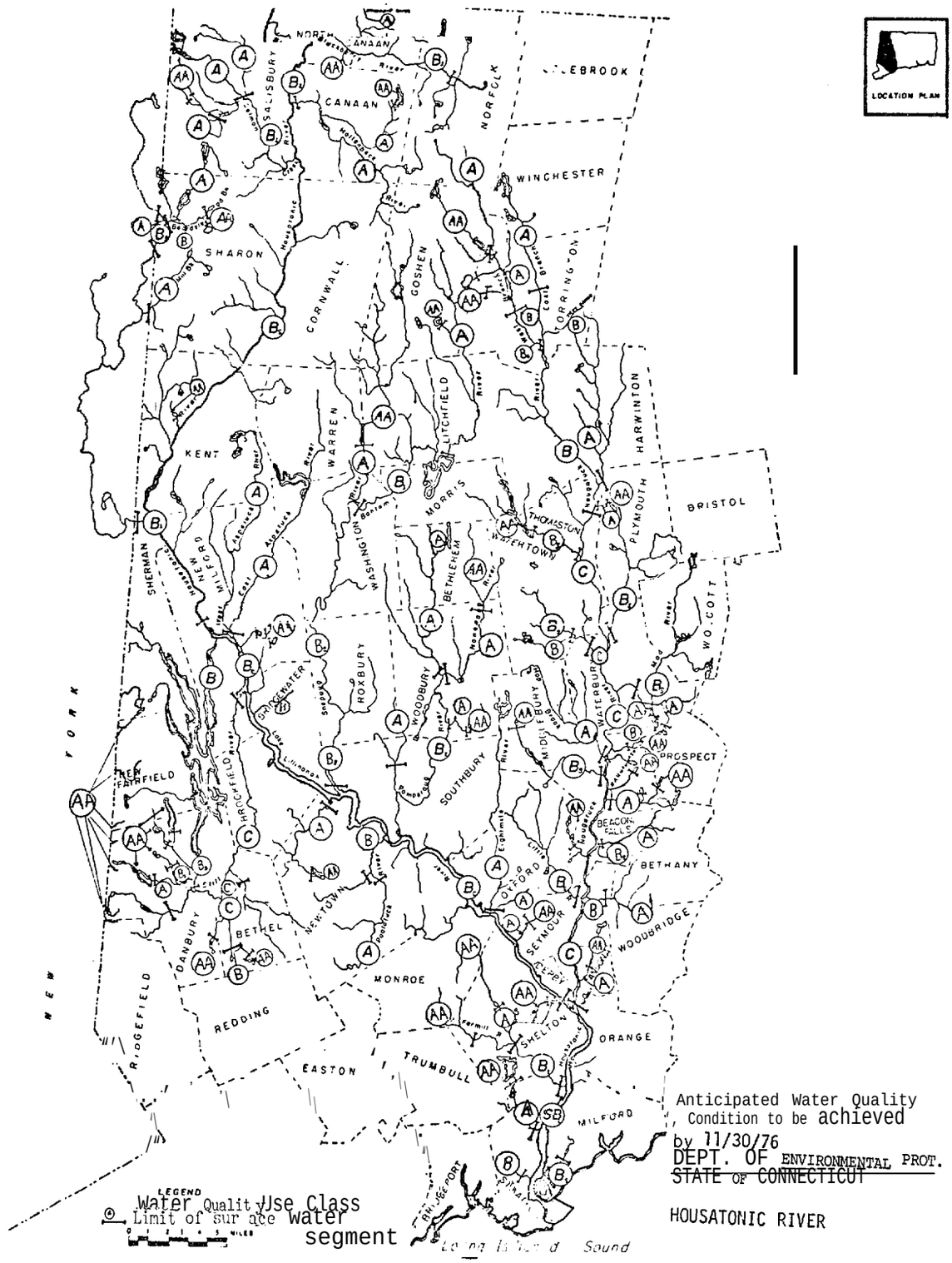
Anticipated Water Quality Condition to be achieved by 11/30/76
DEPT. OF ENVIRONMENTAL PROT .
STATE OF CONNECTICUT

QUINNIPIAC RIVER

A SOCIO-ECONOMIC AN ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

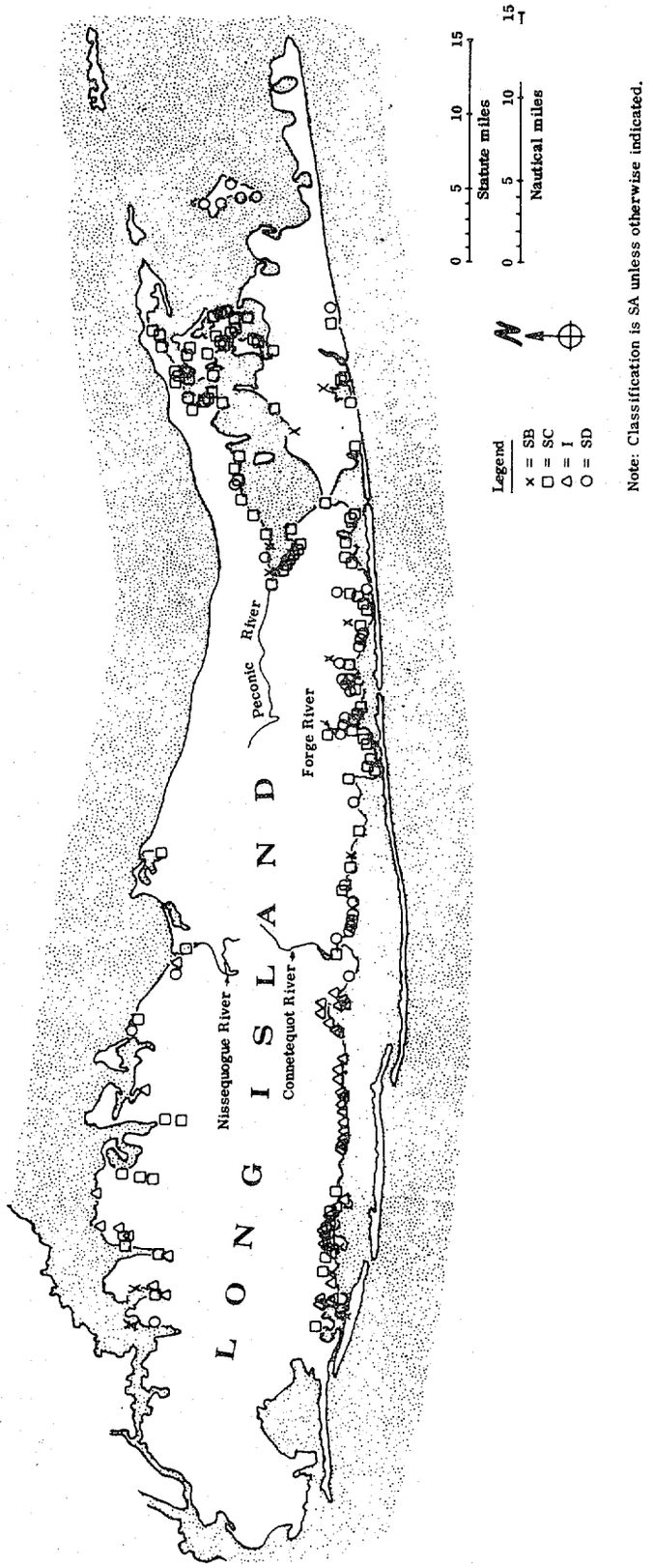
TRIGOM PARC | FIGURE 17-37

Anticipated Water Quality Condition to be Achieved by NOV 30, 1976 Quinnipiag River (D.E.P. - Conn. 1974)



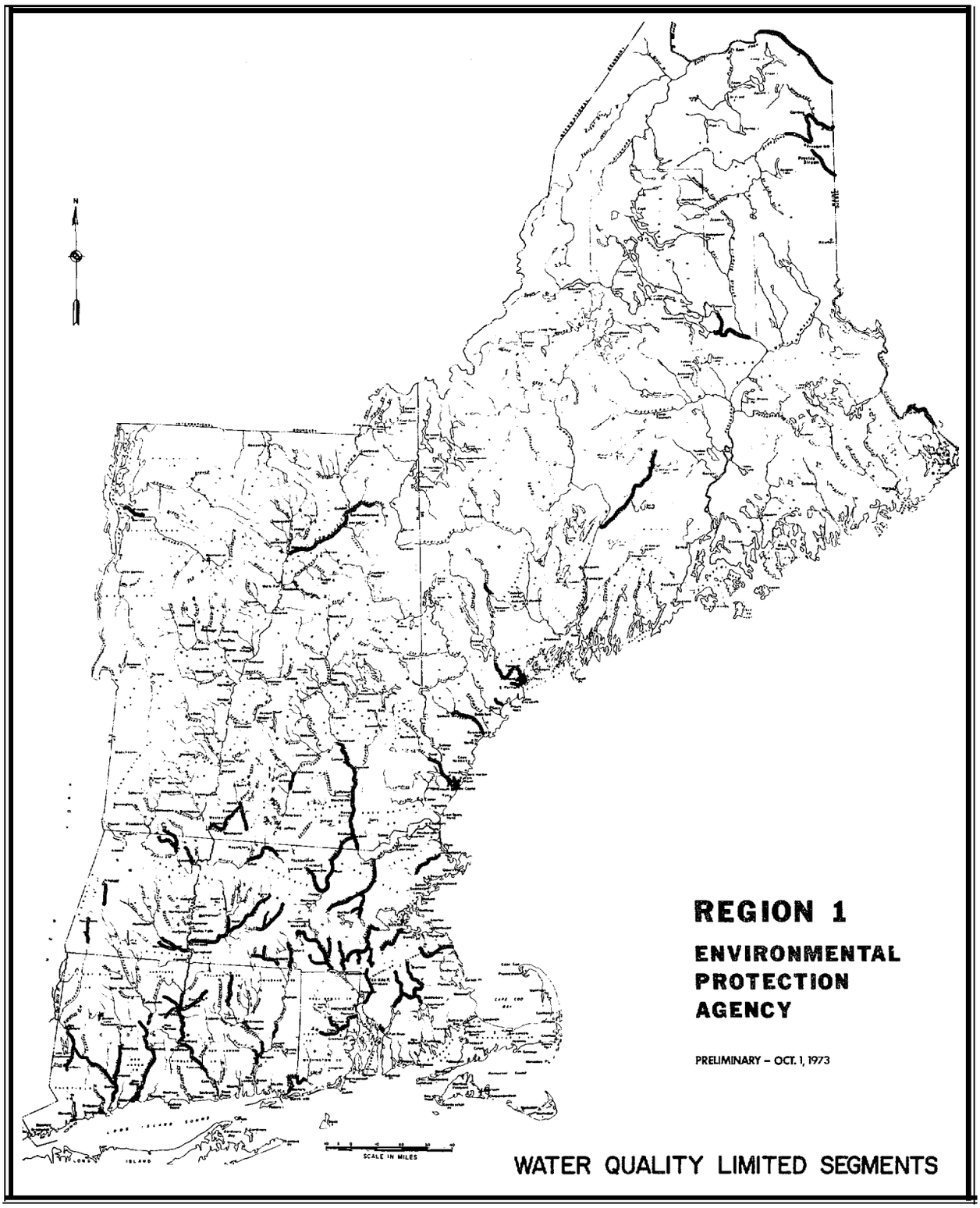
A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC	FIGURE 17-38	Anticipated Water Quality Condition to be Achieved by NOV 30, 1976-Houstonic River (D.E.P. - Corm. 1974)

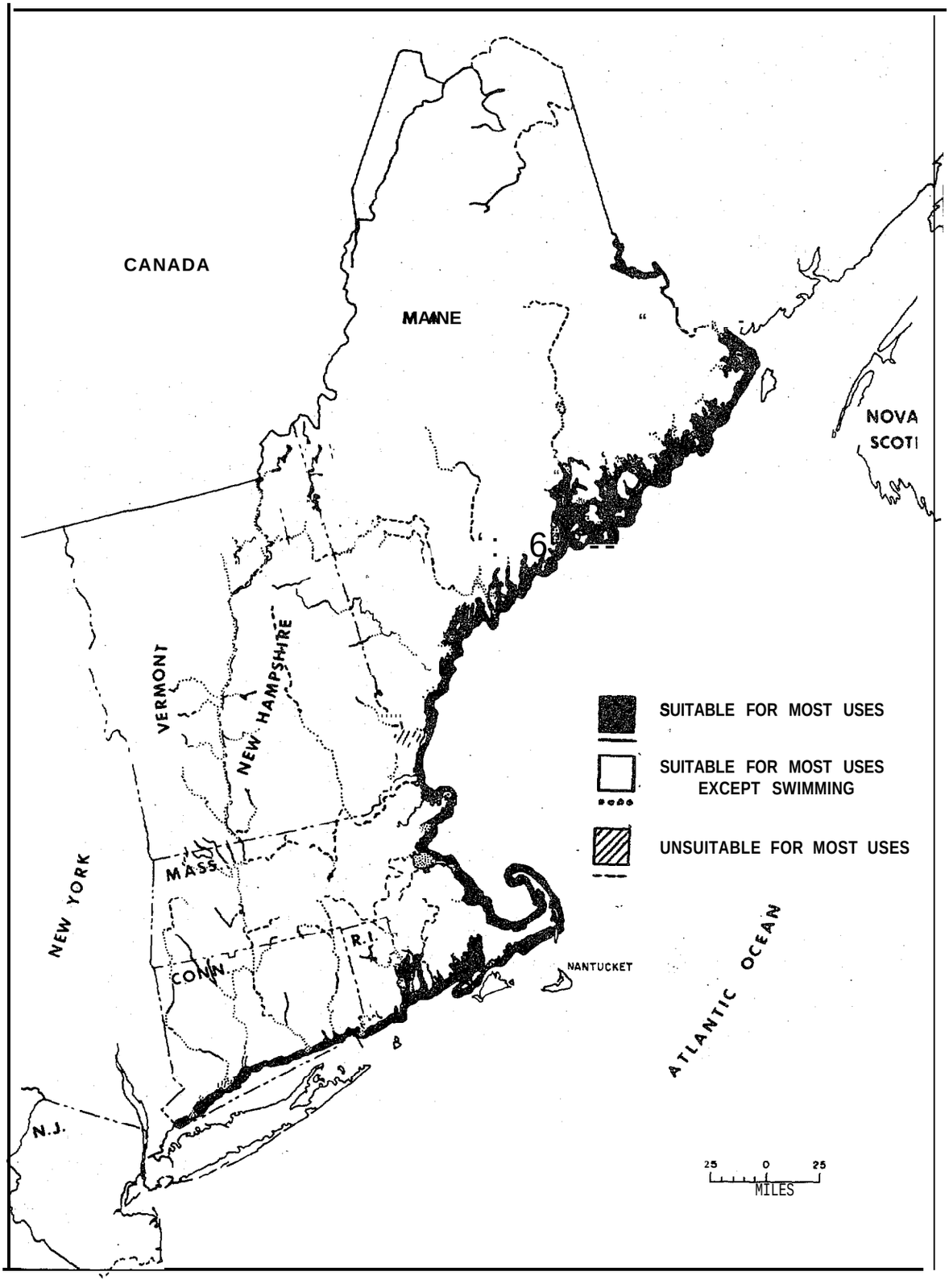


A SOCIO-ECONOMIC AND Environmental INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC	FIGURE 17-39	Water Quality Standards for Coastal Waters of Long Island (Nassau-Sufflok Regional Planning Board, 1970)

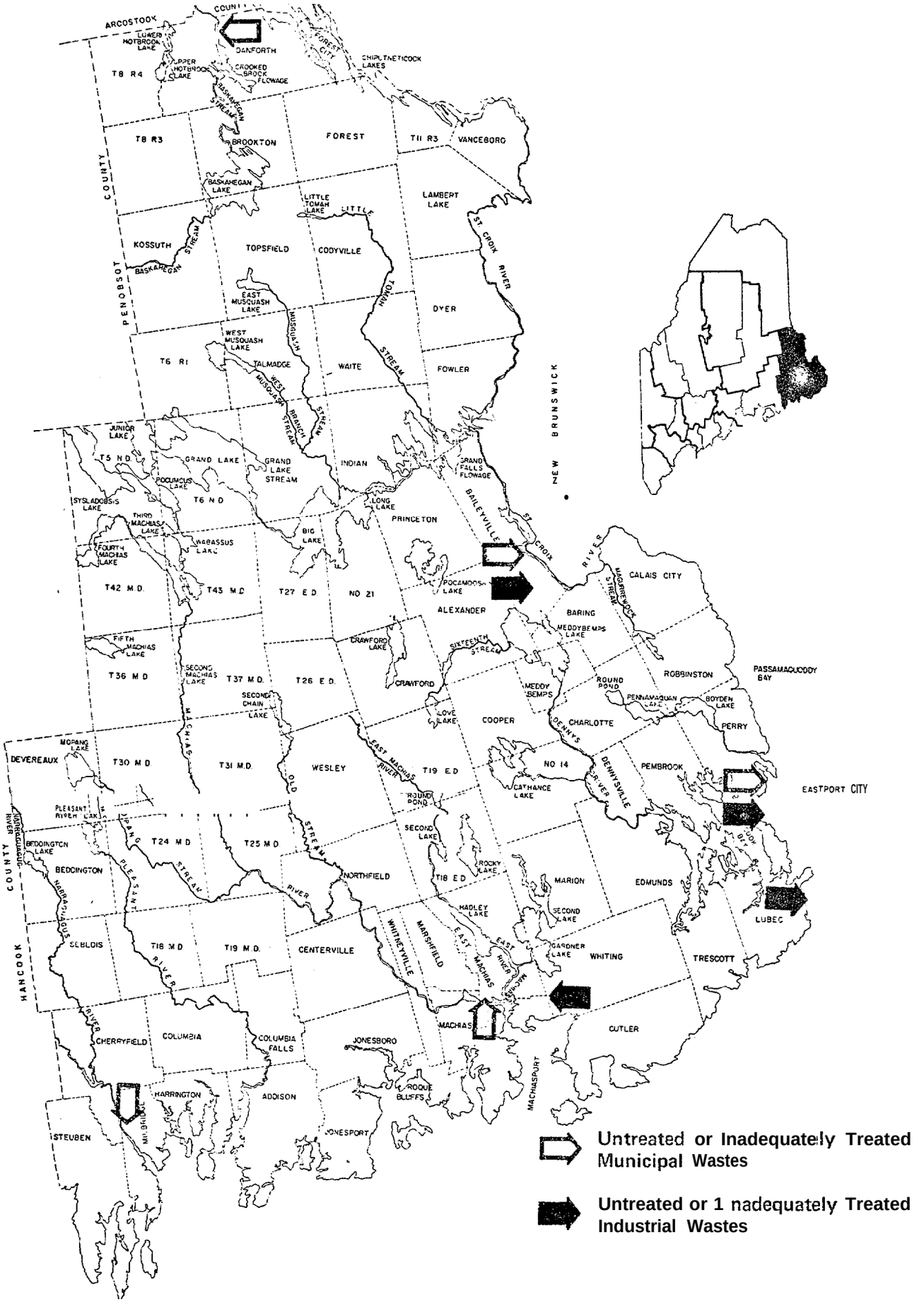


A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION		
TRIGOM PARC	FIGURE 17-40	Water Quality Limited Segments (E .P .A. , 1973)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

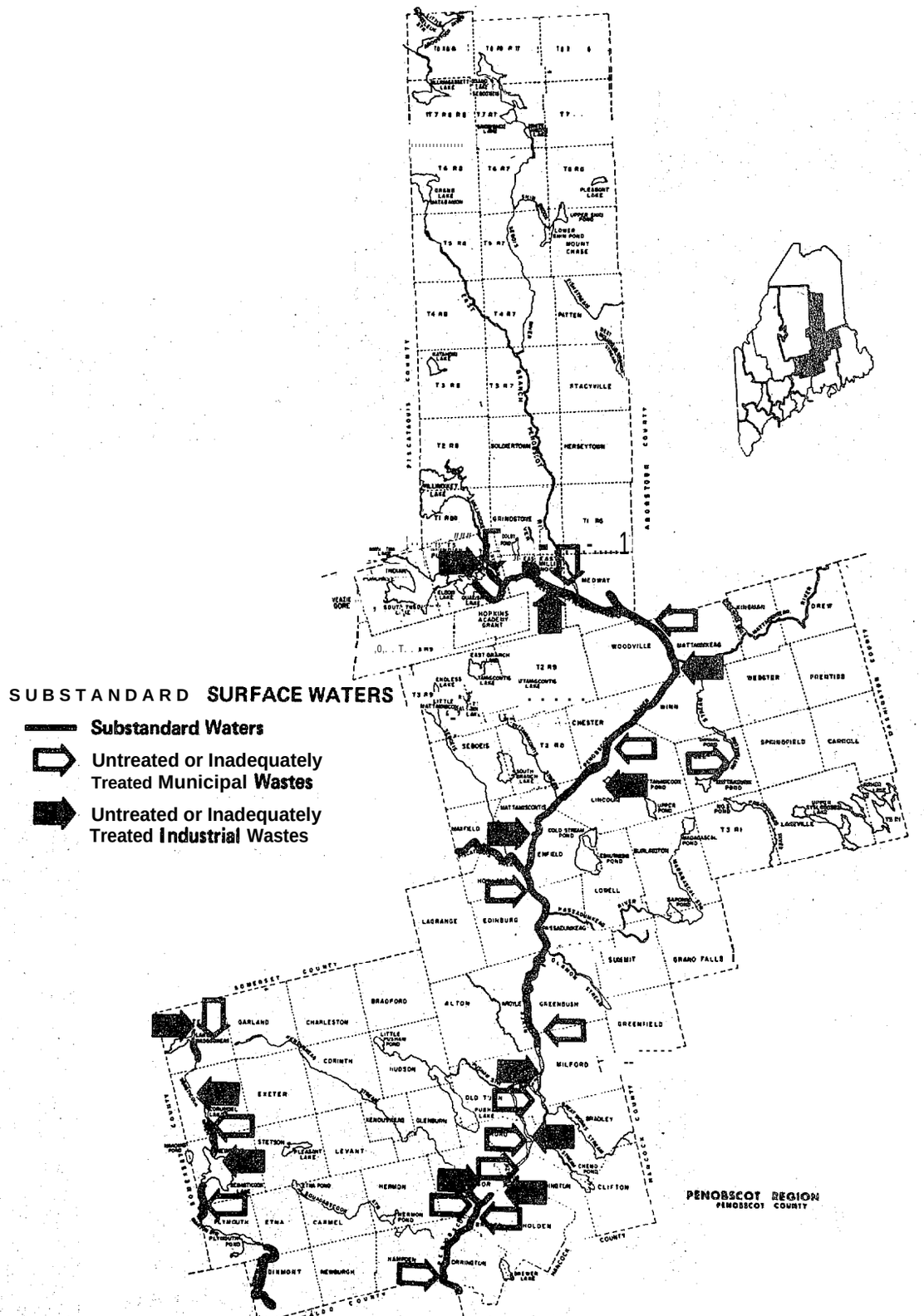
TRIGOM PARC	FIGURE "17-41	Present Water Quality in the Study Area



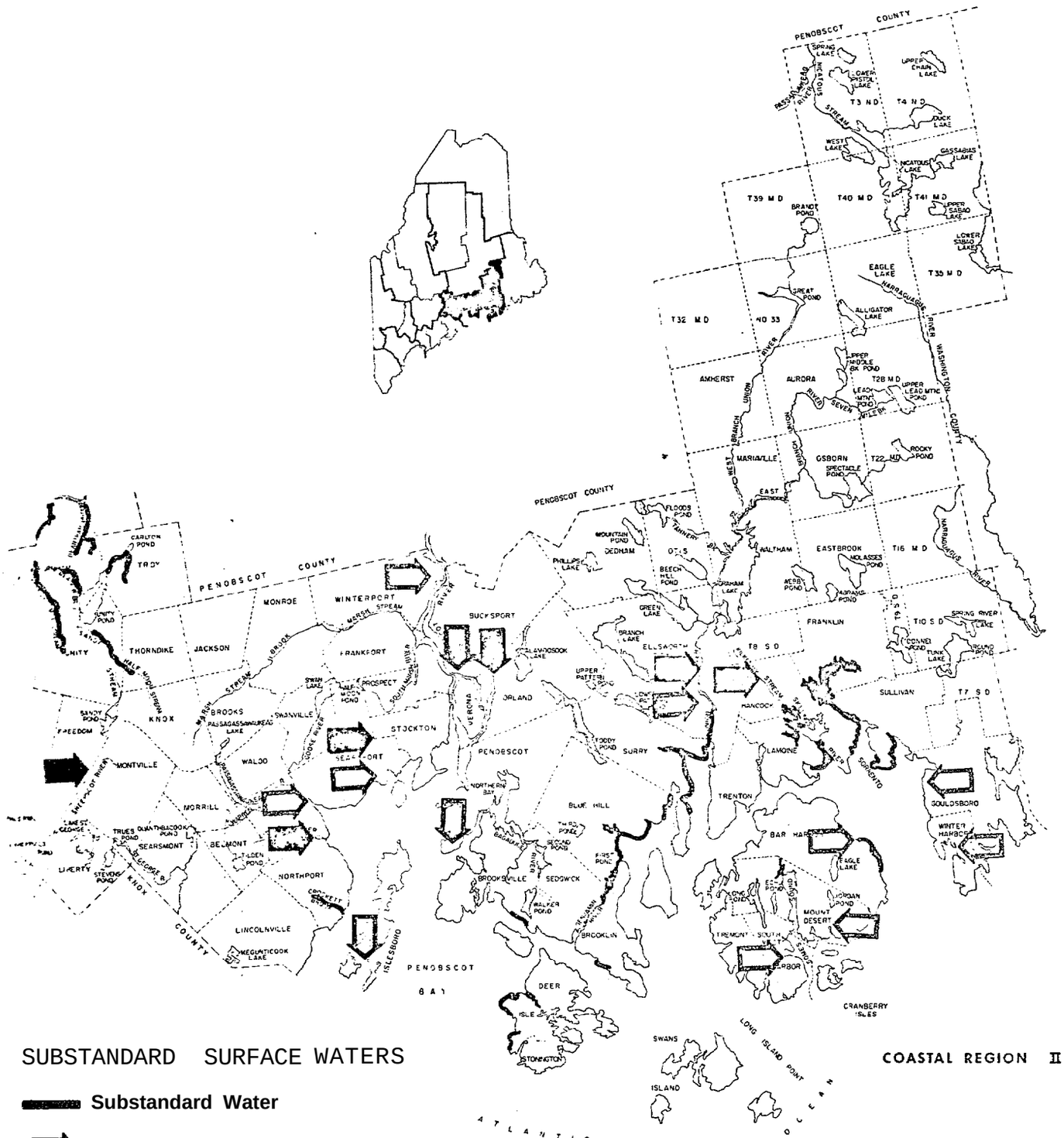
A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-42, Washington Region - Sources of Significant Waste Water (E. C. Jordan, 1969)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION		
TRIGOM PARC	FIGURE 17-43	Penobscot Region - Sub-Standard Surface Waters (E.C. Jordan, 1969)



SUBSTANDARD SURFACE WATERS

COASTAL REGION II

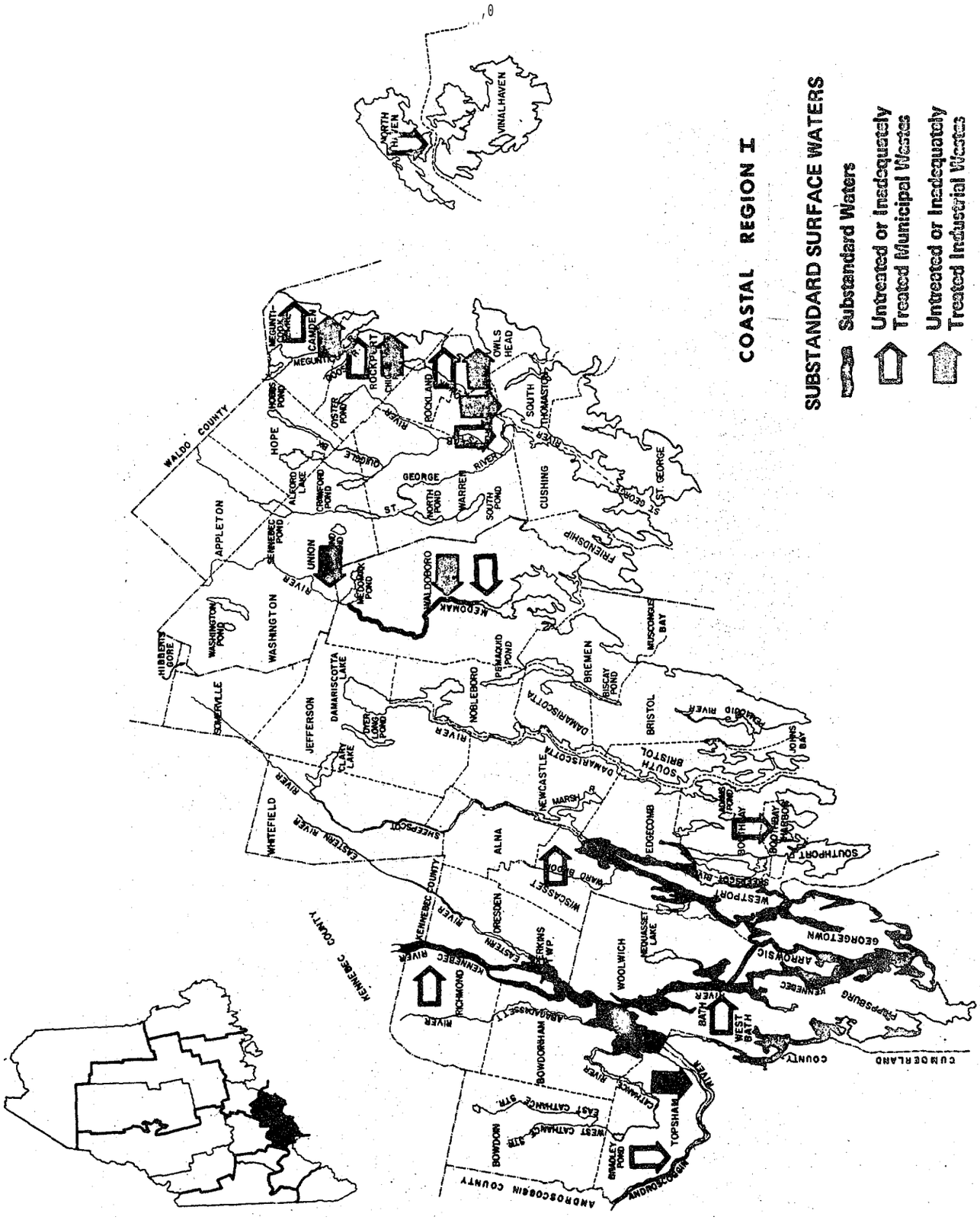
Substandard Water

Untreated or Inadequately Treated Municipal Wastes

Untreated or Inadequately Treated Industrial Wastes

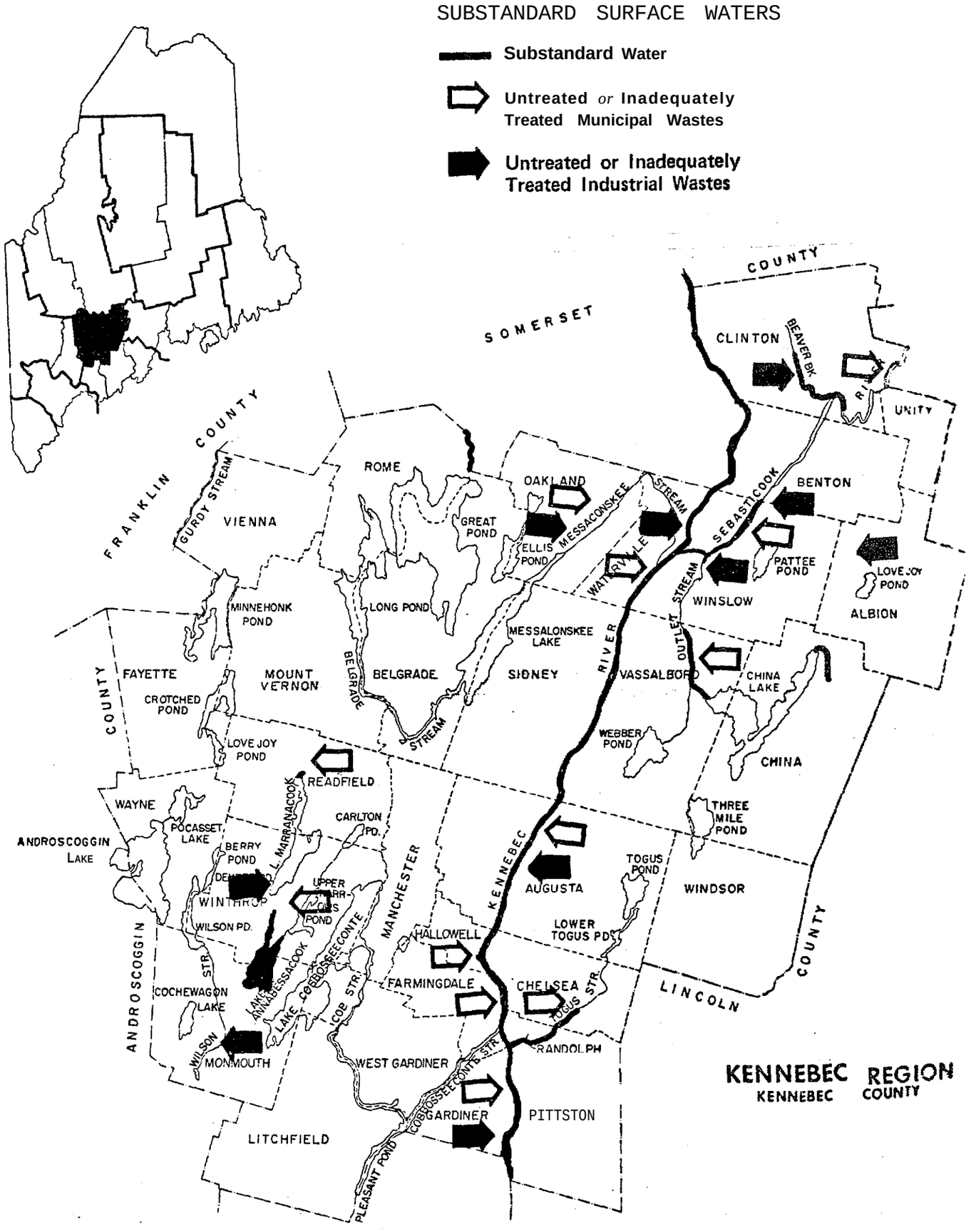
A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC	FIGURE 17-44	Coastal Region II - Sub-Standard Surface Waters (E. C. Jordon, 1969)



A SOCIO-ECONOMIC AND ENVIRONMENTAL 1NVENT0R% OF THE NORTH ATLANTIC REGION

TRIGOM PARC | FIGURE 17-45 | Coastal Region I - Sub-Standard Surface Waters (E.C. Jordan, 1969)

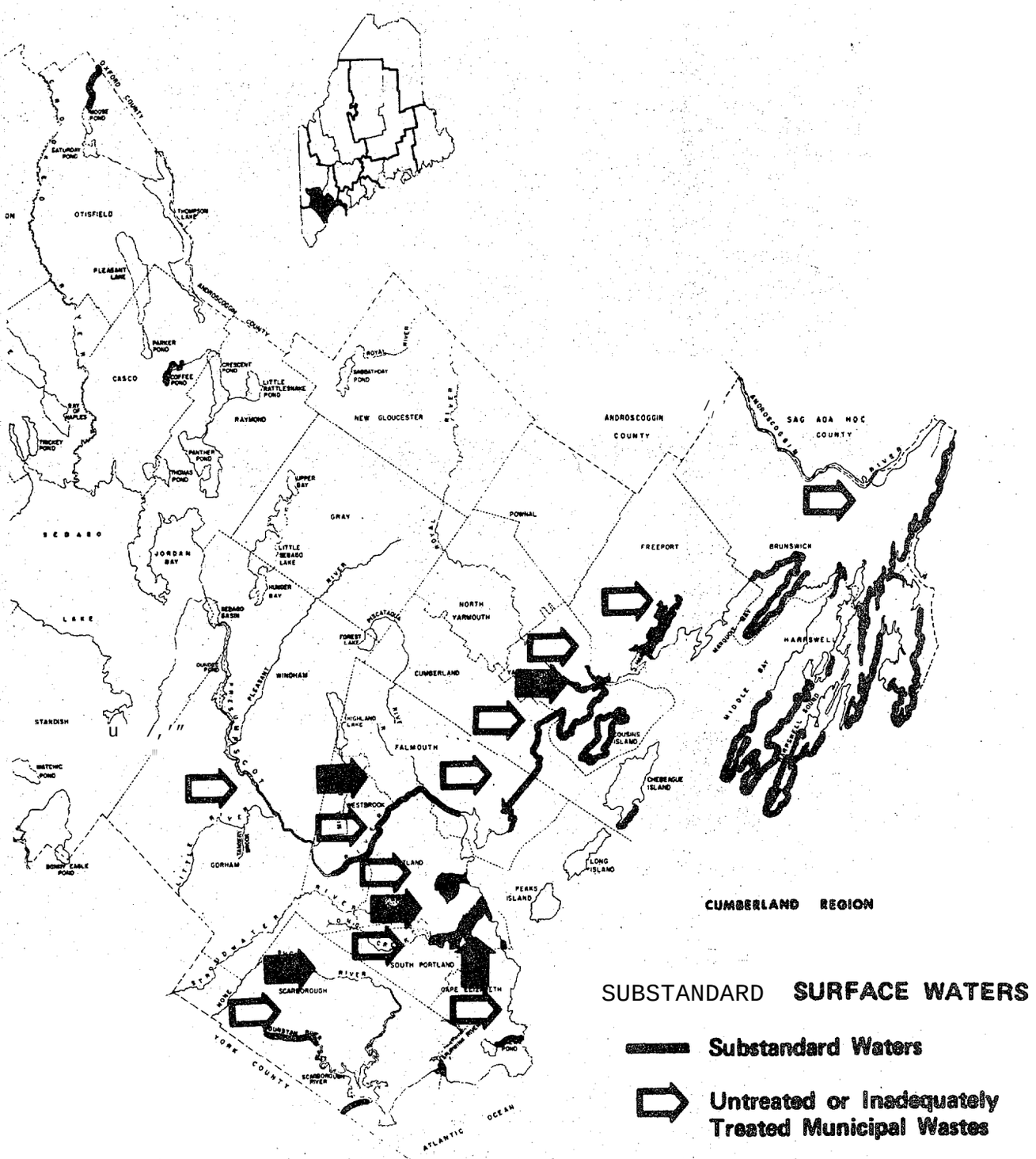


A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-46

Kennebec Region - Sub-Standard Waters (E. C. Jordan, 1969)

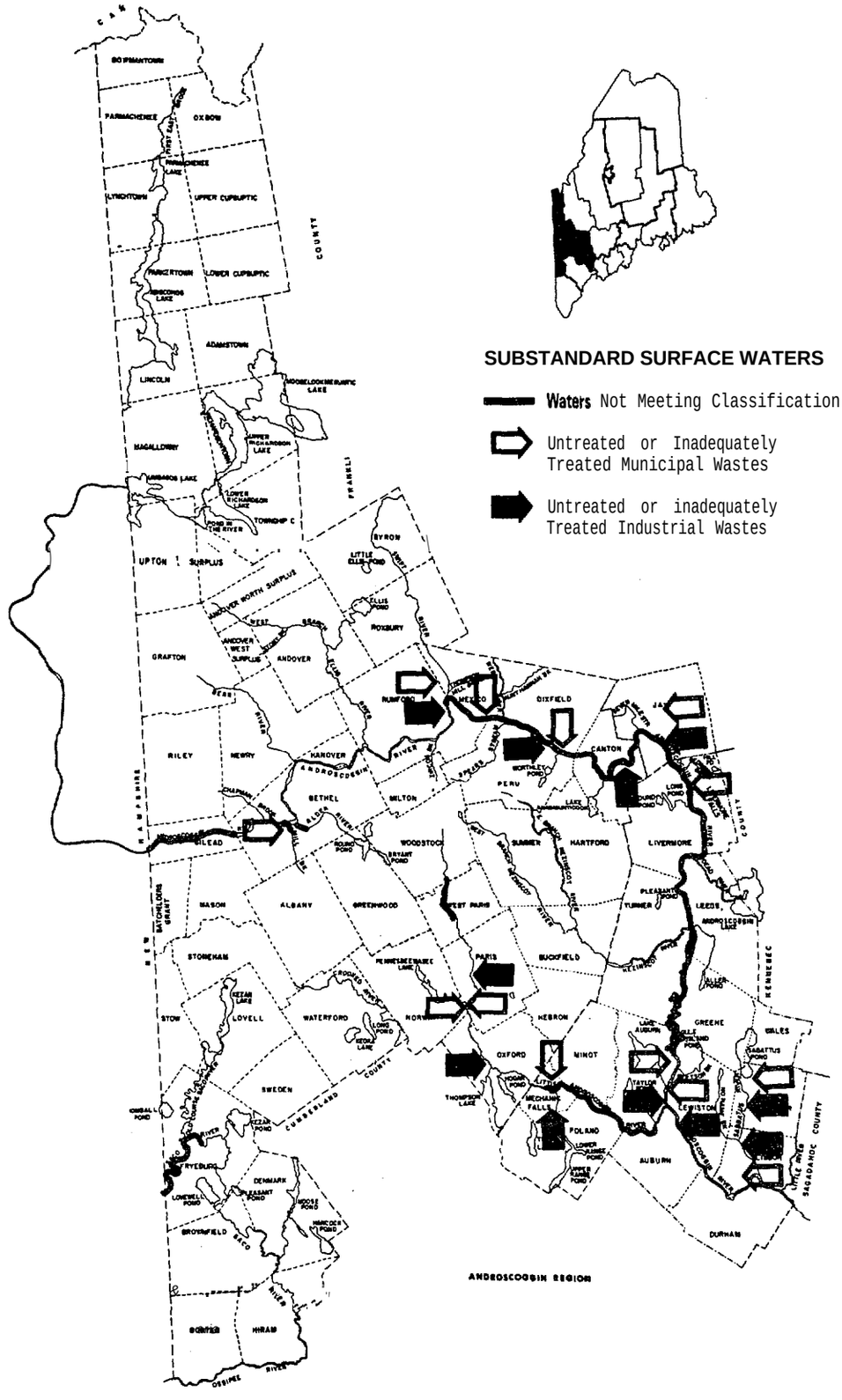


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TRIGOM PARC

FIGURE 17-47

Cumberland Region - Sub-Standard Waters (E. C. Jordan, 1969)

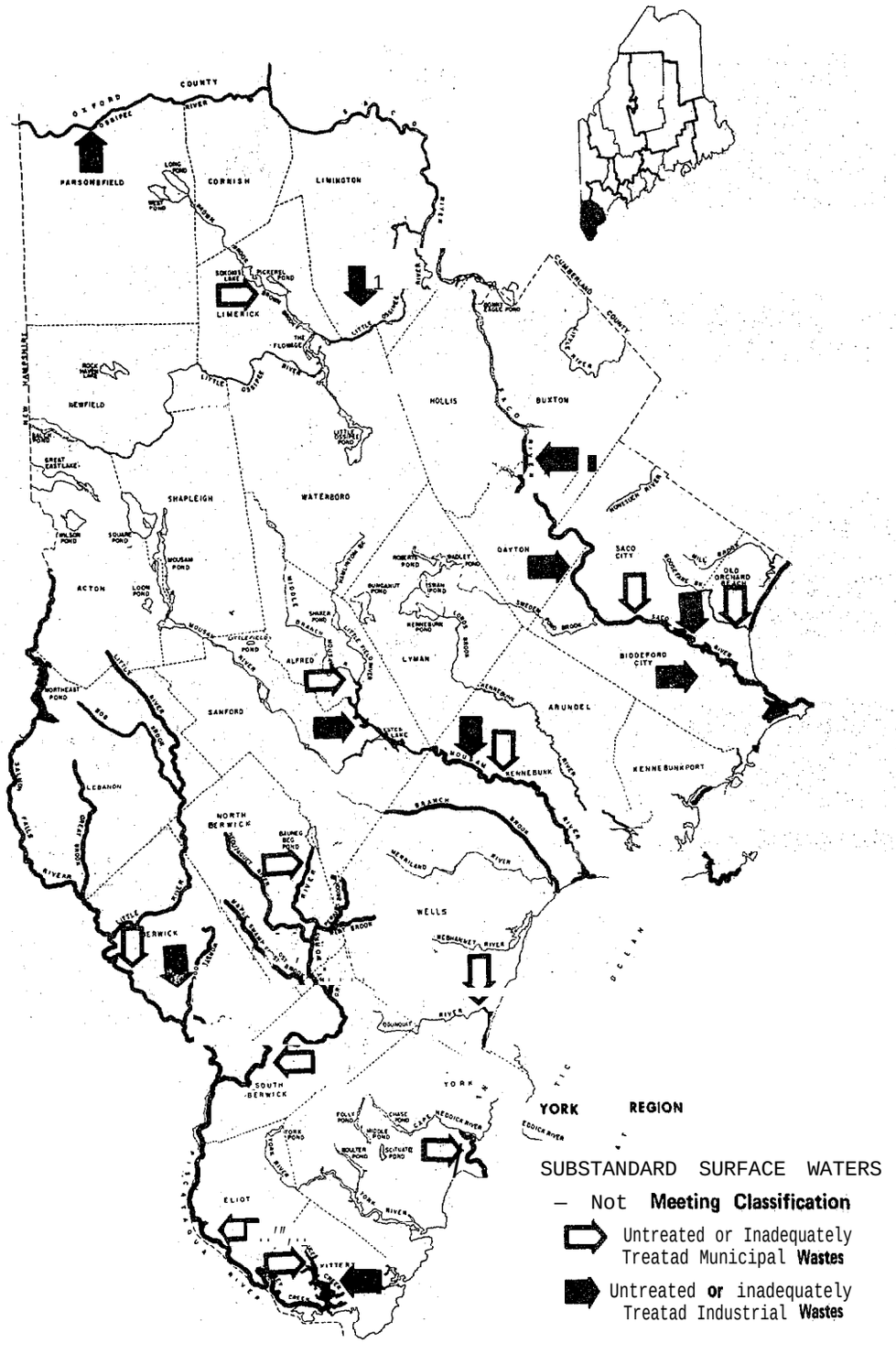


A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

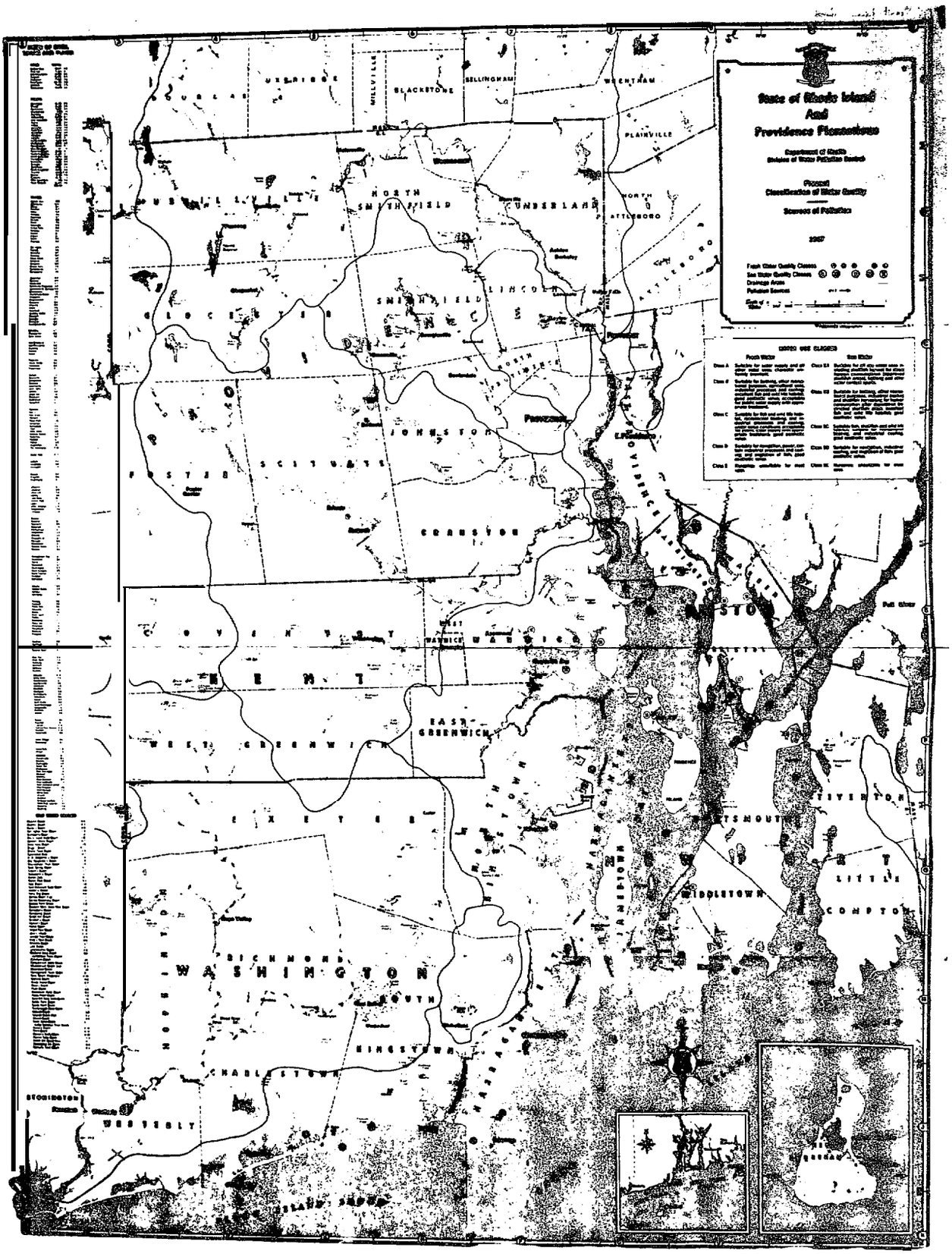
TRIGOM PARC

FIGURE 17-48

Androscoggin Region - Sub-Standard Waters
(E. C. Jordan, 1969)



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TRIGOM PARC	FIGURE 17-49	York Region' - Sub-Standard Waters (E.C. Jordan, 1969)

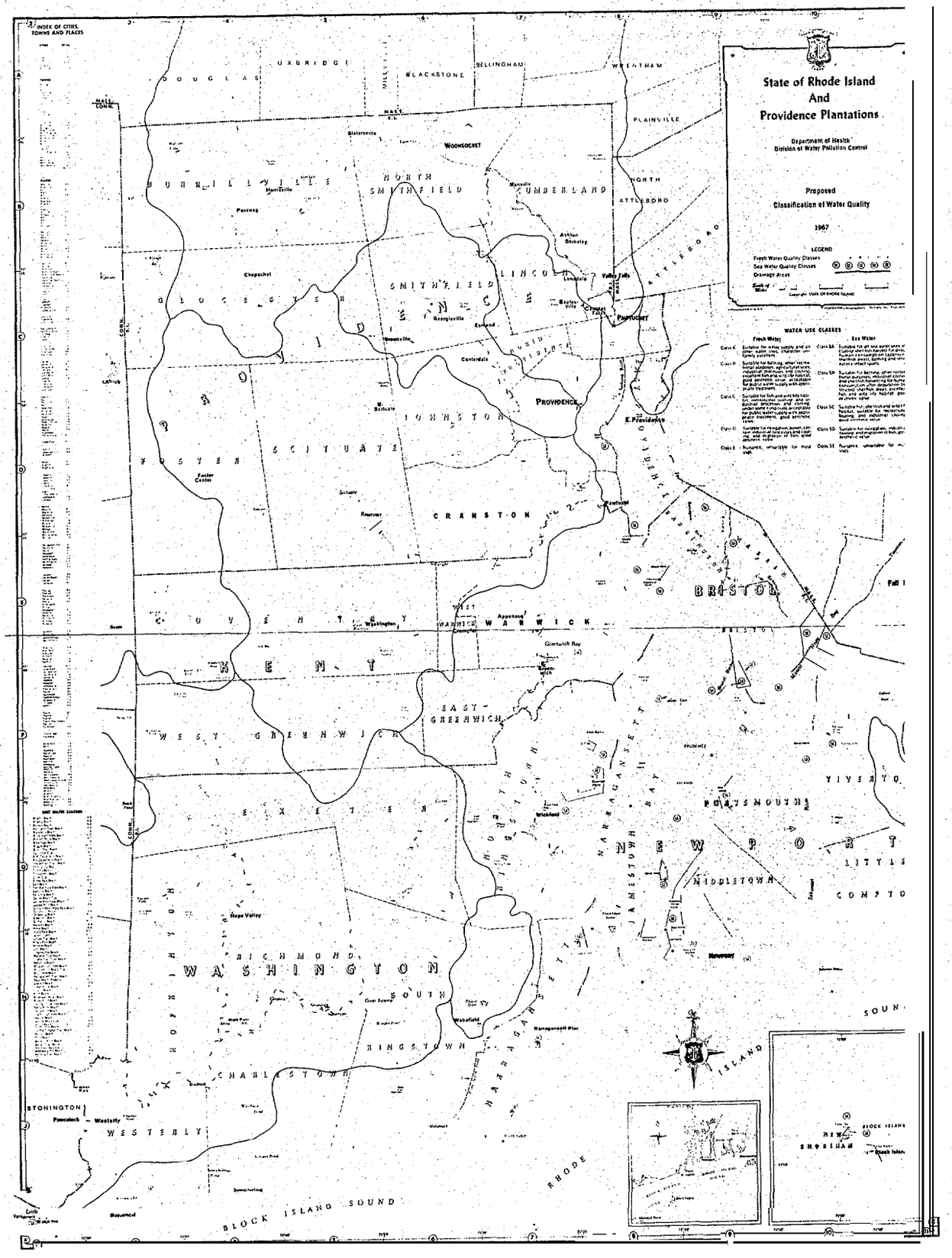


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TRIGOM PARC

FIGURE 17-50

Existing Water Quality Standards in Rhode Island



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

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FIGURE 17-51

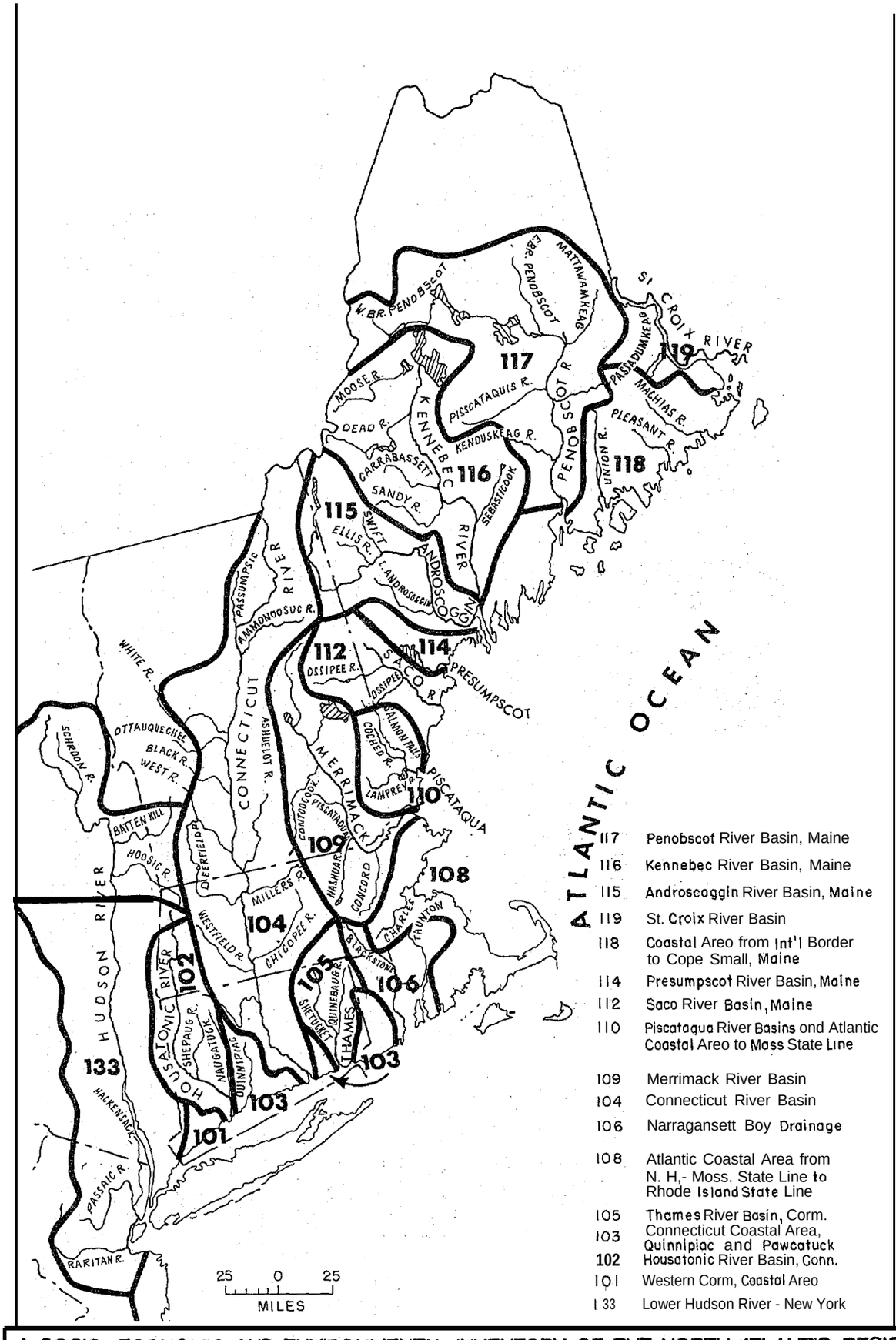
Proposed Classification of Water Quality
Rhode Island

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-52

Existing Violations of Water Quality Standards (N.E.R.B.C., 1974)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC | FIGURE 17-53 | Major Watersheds

TABLE 17-1 **Maine Water and Air Environmental Improvement Commission Quality Classification Standards for Fresh Surface Waters**

	Class A	*Class B*		*Class C*	*Class D*
		B-1	B-2		
	Acceptable for public water supply after disinfection and bathing.	Acceptable for recreational purposes and potable water supply after adequate treatment.	Acceptable for recreational boating, fishing, industrial and potable water supply after adequate treatment.	Acceptable for recreational boating, fishing, and industrial water supply.	Assigned only where higher classifications cannot be attained.
Dissolved oxygen	Not less than 75 percent saturation	Not less than 75 percent saturation of 5 ppm	Not less than 60 percent saturation or 5 ppm	Not less than 4 ppm(1)	2 ppm(2)
Coliform bacteria MPN/100 ml(3)	Total Fecal 100	Total Fecal 3 0 0 6 0	Total Fecal 1,$(-)() 200	Tots! Fecal 5,000 1,000	Not in concentrations harmful to the public h e a l t h .
Toxic wastes or chemicals	None	Not in concentrations harmful to the public health or to aquatic life.	Not in concentration harmful to the public health or aquatic life.	Not in concentrations harmful to the public health or to aquatic life.	Not in concentrations harmful to the public health.
Scums. slicks. odors, and objectionable floating solids.	None	None	None	None	Not in • m-nta sufficient to cause nuisance conditions.

1. Not less than 5 ppm in trout and salmon waters.
2. Parts per million.
3. Milliliter.

Table 17-2

Maine Water and Au Environmental Improvement Commission Quality Classification Standards for Tidsf Waters

	Class SA	Class SB		Class SC	Class SD
		SB-1	SB-2		
	Acceptable for all clean water uses including water contact recreation and fishing.	Acceptable for all clean water uses including water contact recreation and fishing.	Acceptable for recreational usages including water contact and fishing.	Acceptable for recreational boating and fishing except primary water contact.	Assigned only where higher classification cannot be attained.
			Classification Quality Standards		
Dissolved oxygen	Nnt less than 6 ppm	Not less than 6 ppm	Not less than 6 ppm	Not less than 5 ppm	Present 3.0 ppm
Coliform bacteria, MPN/ 100 ml in shellfish areas:	Total Fecal	Total Fecal	Total Fecal	Total Fecal	Not in concentrations harmful to public health
Median all samples	70 15	70 15	70 15	700 150	
Median 70 percent samples	230 50	230 50	230 50	2,300 500	
Coliform bacteria, MPN/100ml in nonshellfish areas:					Not in concentrations harmful to public health
Median all samples	70 15	240 50	500 100	1,500 300	
Median 10 percent samples	230 50	500 150	1,000 '200	5,000 1,000	
Toxic wastes or chemicals	None	Not in concentrations harmful to public health or aquatic life	Not in concentrations harmful to public health or aquatic life	Not in concentrations harmful to public health Or aquatic life	Not in concentrations harmful to public health'
Scums, slicks, odors, and objectionable floating solids	None	None	None	None	Not in concentrations harmful to public health

TABLE 17-3

RECOMMENDED USE CLASSIFICATIONS [1]

AND

WATER QUALITY STANDARDS

AS OF JANUARY 1, 1970

BASED ON CHAPTER 149 REVISED STATUTES ANNOTATED [2]

NEW HAMPSHIRE WATER SUPPLY AND POLLUTION CONTROL COMMISSION

	Class A	Class B	Class C	Class D
	'potentially acceptable or public water supply after disinfection. No discharge of sewage or other wastes. (Quality uniformly excellent).	Acceptable for bathing and recreation, fish habitat and public water supply after adequate treatment. No disposal of sewage or wastes unless adequately treated. (High aesthetic value).	Acceptable for recreational boating, fishing, and industrial water supply with or without treatment, depending on individual requirements. (Third highest quality).	Aesthetically acceptable. Suitable for certain industrial purposes, power and navigation. (Lowest allowable quality now less than 1/2 mile in entire state).
Dissolved Oxygen	Not less than 75% Sat.	Not less than 75% Sat.	Not less than 5 p.p.m.	Not less than 2 p.p.m.
Coliform Bacteria per 100 ml	Not more than 50	Not more than 240 in fresh water. Not more than 70 MPN in salt or brackish water.	Not specified	Not specified
pH	Natural	6.5 - 8.0	6.0 - 8.5	Not specified
Substances potentially toxic	None	Not in toxic concentrations or combinations..	Not in toxic concentrations or combinations.	Not in toxic concentrations or combinations.
Sludge deposits	None	Not objectionable kinds or amounts.	Not objectionable kinds or amounts.	Not objectionable kinds or amounts.
Oil and Grease	None	None	Not objectionable kinds or amounts.	Not of unreasonable kind, quantity or duration.
Color	Not to exceed 15 units.	Not in objectionable amounts.	Not in objectionable amounts.	Not of unreasonable kind, quantity or duration.
Turbidity	Not to exceed 5 units.	Not to exceed 10 units in trout water. Not to exceed 25 units in non-trout water.	Not to exceed 10 units in trout water. Not to exceed 25 units in non-trout water.	Not of unreasonable kind, quantity or duration.
Slick, Odors and Surface-cleating Solids	None	None	Not in objectionable kinds or amounts.	Not of unreasonable kind, quantity or duration.
Temperature	No artificial rise	NH F&GD, NEIWPCC, or NTAC-DI -- whichever provides most effective control. [3]	NH F&GD, NEIWPCC or NTAC-DI -- whichever provides most effective control. [3]	Shall not exceed 90° F.

Note: 1 The waters in each classification shall satisfy all provisions of all lower classifications.

2 For complete details see Chapter 149 RSA.

3 NHF&GD = New Hampshire Fish and Game Department

NEIWPCC = New England Interstate Water Pollution Control Commission

NTAC-DI = National Technical Advisory Committee, Department of the Interior

TABLE 17-4

STANDARDS OF WATER QUALITY

FRESH WATERS

CLASS A

ITEM	MASSACHUSETTS	RHODE ISLAND
Use	Waters designated for use as public water supplies in accordance with Chapter 111 of the General Laws. Character uniformly excellent.	Suitable for water supply and all other water uses; character uniformly excellent. (See Note 11.)
1. Dissolved Oxygen	Not less than 75% saturation during at least 16 hours of any 24-hour period and not less than 5 mg/l at any time.	75% saturation, 16 hours/day; 5 mg/l at any time.
2. Sludge deposits--solid refuse--floating solids, oils, and grease--scum	None allowable	None allowable
3. Color and turbidity	None other than of natural origin	None other than of natural origin
4. Coliform bacteria per 100 ml	Not to exceed an average value of 50 during any monthly sampling period.	Not to exceed a median of 100 per 100 ml nor more than 500 in more than 10% of samples collected.
5. Taste and odor	None other than of natural origin	None other than of natural origin
6. pH	As naturally occurs	As naturally occurs
7. Allowable temperature increase	None other than of natural origin	None other than of natural origin
8. Chemical constituents	None in concentrations or combinations which would be harmful or offensive to humans, or harmful to animal or aquatic life	(See Note 5)
9. Radioactivity	None other than that occurring from natural phenomena	

TABLE 17-4 (cont.) FRESH WATE RS

CLASS B

ITEM	MASSACHUSETTS	RHODE ISLAND
Use	Suitable for bathing and recreational purposes including water contact sports. Acceptable for public water supply with appropriate treatment. Suitable for agricultural, and certain industrial cooling and process uses; excellent fish and wildlife habitat; excellent aesthetic value .	Suitable for bathing, other recreational purposes, .agricultural uses, industrial processes and cooling; excellent fish and wildlife habitat: good aesthetic value; acceptable for public water supply with appropriate treatment.
1. Dissolved Oxygen	Not less than 75% saturation during at least 16 hours of any 24-hour period and not less than 5 mg/l at any time.	75% saturation, 16 hours/day, 5 mg/l at any time
2. Sludge deposits-solid refuse-floating solids-oils-grease-scum	None allowable	None allowable
3. Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this class.	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 value of 1000 during any monthly sampling period nor 2400 in more than 20% of samples examined during such period	Not to exceed a median of 1000 per 100 ml 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 and none that would cause taste and odor in edible fish	None in such concentrations that would impair any usages specifically assigned to this class nor cause taste and odor in edible fish
6. pH	6.5 - 8.0	6.5 - 8.0

TABLE 17-4 (cont.)

FRESH WATERS

CLASS B (Continued)

ITEM	MASSACHUSETTS	RHODE ISLAND
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 83°F in warm water fisheries, and 68° in cold water fisheries, or in any case raise the normal temperature of the receiving -water more than 4"F.	Only such increases that will not impair any usages specifically assigned to this Class (See Note 7),
8. Chemical constituents	None in concentrations or combinations which would be harmful or offensive to human, or harmful 'to animal or aquatic life or any water use specifically assigned to this class.	(See Note 5)
9. Radioactivity	None in concentrations or combinations" which would be harmful to human, animal, or aquatic life for the appropriate water use. None in such concentrations which would result in radio-nuclide concentrations in aquatic life which exceed the recommended limits for consumption by humans..	
10. Total phosphate	Not to exceed an average of 0.05 mg/l as P during any monthly sampling period ."	
11. Ammonia	Not to exceed an average of 0.05 mg/l as N during any monthly sampling period	
12. Phenols	Shall not exceed .001 mg/l at any time	

TABLE 17-4 (cont.)

FRESH WATERS

CLASS C

ITEM	MASSACHUSETTS	RHODE ISLAND
Use	Suitable for recreational boating; habitat for wildlife and common food and game fishes indigenous to the region; certain industrial cooling and process uses; under some conditions acceptable for public water supply with appropriate treatment. Suitable for irrigation of crops used for consumption after cooking. Good aesthetic value.	Suitable for fish and wildlife habitat; recreational boating, and 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 during at least 16 hours of any 24-hour period nor less than 3 mg/l at any time. For seasonal cold water fisheries at least 5 mg/l must be maintained.	5 mg/l, 16 hours/day; not less than 3 mg/l at any time. For cold water fishery not less than 5 mg/l at any time.
2. Sludge deposits-solid refuse-floating solids-oils-grease-scum	None allowable except those amounts that may result from the discharge from waste treatment facili.ties providing appropriate treatment	None (See Note 8)
3. Color and turbidity	None allowable in such concentrations that would impair any usages specifically assigned to this class	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	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 co this class, and none that would cause taste and odor to edible fish	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	6.0 - 8.5

TABLE 17-4 (Cont.)

FRESH WATERS

CLASS C (Continued)

ITEM	MASSACHUSETTS	RHODE ISLAND
7. Allowable temperature increase	None except where the increase will not exceed the recommended limits on the most sensitive receiving water use and in no case exceed 83°F in warm water fisheries and 68°F in cold water fisheries, or in any case raise the normal temperature of the receiving water more than 4°F.	Only such increases that will not impair any usages specifically assigned to this Class (See Note 7).
8. Chemical constituents	None in concentrations or combinations which would be harmful or offensive to human, or harmful to animal or aquatic life or any water use specifically assigned to this class.	(See Note 5)
9. Radioactivity	None in concentrations or combinations which would be harmful to human, animal or aquatic life for the appropriate water use. None in such concentrations which would result in radio-nuclide concentrations in aquatic life which exceed the recommended limits for consumption by humans.	
10. Total phosphate	Not to exceed an average of 0.05 mg/l as P during any monthly sampling period.	
11. Ammonia	Not to exceed an average of 1.0 mg/l as N during any monthly sampling period.	
12. Phenols	Not to exceed an average of 0.002 mg/l at any time.	

TABLE 17-4 (cont.)

FRESH WATERS

CLASS D

ITEM	MASSACHUSETTS	RHODE ISLAND
Use	Suitable for aesthetic enjoyment, power, navigation and certain industrial cooling and process uses. Class D waters will be assigned only where a higher water use class cannot be attained after all appropriate waste treatment methods are utilized.	Suitable for navigation, power, certain industrial processes and cooling, and migration of fish; good aesthetic value.
1. Dissolved oxygen	Not less than 2 mg/l at any time	A minimum of 2 mg/l at any time
2. Sludge deposits-solid refuse-floating solids-oils-grease-scum	None allowable except those amounts that may result from the discharge from waste treatment facilities providing appropriate treatment	None (See Note 8)
3. Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this class	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.	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	None in such concentrations that would impair any usages specifically assigned to this class
6. pH	6.0 - 9.0	6.0 - 9.0
7. Allowable temperature increase	None except where the increase will not exceed the recommended limits on the most sensitive receiving water use and in no case exceed 90°F.	None except where the increase will not exceed the recommended limits on the most sensitive water use and in no case exceed 90°F.
8. Chemical constituents	None in concentrations or combinations which would be harmful to human, animal or aquatic life for the designated water use.	(See Note 5)

TABLE 17-4 (cont.)

FRESH WATERS

CLASS D (Continued)

	MASSACHUSETTS	RHODE ISLAND
∞ Radioactivity	None in such concentrations or combinations which would be harmful to human, animal or aquatic life for the designated water use. None in such concentrations which will result in radio-nuclide concentrations in aquatic life which exceed the recommended limits for consumption by humans	

TABLE 17-4 . (cont.)

NOTES

MASSACHUSETTS

1. All wastes shall receive appropriate waste treatment which is defined as secondary treatment with disinfection or its industrial waste treatment equivalent except when a higher degree of treatment is required to meet the objectives of the water quality standards, all as determined by the Division of Water Pollution Control. Disinfection from October 1 to May 1 may be discontinued at the discretion of the Division of Water Pollution Control.

2. Appropriate water supply treatment is as determined by the Massachusetts Department of Public Health.

3. These water quality standards do not apply to conditions brought about by natural causes.

4. Class B & C waters shall be substantially free of pollutants that will:

   (1) unduly affect the composition of bottom fauna
   (2) unduly affect the physical or chemical nature of the bottom
   (3) interfere with the spawning of fish or their eggs

5. The average minimum consecutive 7-day flow to be expected once in ten years shall be used in the interpretation of the standards except where noted.

RHODE ISLAND

1. These Standards 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. Appropriate waste treatment shall be secondary treatment with disinfection or the equivalent. Lesser degrees of treatment will be permitted only where it can be demonstrated that attainment of the specified water use class standard of quality can be effectuated.

3. All sewage treatment plant effluents shall receive disinfection before discharge into a watercourse.

4. Any water falling below the standards of quality for a given Class shall be considered unsatisfactory for the uses indicated for that Class. Waters falling below the standards of quality for Class D shall be Class E and considered to be in a nuisance condition.

5. 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, bio-assays shall be performed as required by the appropriate agencies. For public drinking water supplies the limits prescribed by the United States Public Health Service may be used where not superseded by more stringent signatory State requirements.

TABLE 17-4 (cont.)

NOTES (Continued)

MASSACHUSETTS

6. The amount of disinfection required shall be equivalent to a free and combined chlorine residual. of at least 1.0 mg/l after 15 minutes contact time during peak hourly flow.or maximum rate of pumpage.

RHODE ISLAND

6. The level of radioactive materials in all waters shall not be in concentrations or combinations which would be harmful to 'human, animal-or aquatic life .

7. The temperature increase shall not raise the temperature of the receiving waters above 68°F for waters supporting cold water fisheries and 83°F for waters supporting a warm water fishery. In no case shall the temperature of the receiving water be raised more than 40)?.

8. 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.

9. 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.

10. 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.

11. Class A waters in use for drinking water supply may be subject to restricted use by State and local authorities. "

Table 17-5

COASTAL AND MARINE WATERS

CLASS SA

ITEM	MASSACHUSETTS	RHODE ISLAND
Use	Suitable for any high quality water use including bathing and water contact Sports . Suitable for approved shellfish areas.	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 6.5 mg/l at any time	Not less than 6.0 mg/l at any time
2. Sludge deposits-solid refuse-floating solids-oil-grease-scum	None allowable	None allowable
3. Color and turbidity	None in such concentrations that will impair any usages specifically assigned to this class	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 value of 70 and not more than 10% of the samples shall ordinarily exceed 230 during any monthly sampling period	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 5.6)
5. Taste and odor	None allowable	None allowable
6. pH	6.8 - 8.5	6.8 - 8.5
7. Allowable temperature increase	None except where the increase will not exceed the recommended limits on the most sensitive water use	None except where the increase will not exceed the recommenced limits for the most sensitive water use
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.	None in concentrations or combinations which would be harmful to human, animal or aquatic life of 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.

TABLE 17-5 (cont.)

COASTAL AND MARINE WATERS

CLASS SA (Continued)

ITEM		RHODE ISLAND
9.	Radioactivity	None in concentrations or combinations which would be harmful to human, animal or aquatic life for the designated water use. None in such concentrations which would result in radio-nuclide concentrations in aquatic life which exceed the recommended limits for consumption by humans.	(See Note S.8)
10.	Total phosphate	Not to exceed an average of 0.07 mg/l as P during any monthly sampling period.	
11.	Ammonia	Not to exceed an average of 0.2 mg/l as N during any monthly sampling period.	

TABLE 17-5 (cent.) COASTAL AND MARINE WATERS

CLASS SB

ITEM		MASSACHUSETTS	RHODE ISLAND
Use		Suitable for bathing and recreational purposes including water contact sports: industrial cooling; excellent fish habitat; good aesthetic value; and suitable for certain shellfisheries with depuration. (Restricted shellfish areas.)	Suitable for bathing, other recreational purposes, industrial cooling and shellfish harvesting; for human consumption after depuration (restricted shellfish area): excellent fish and wildlife habitat: good aesthetic value.
1.	Dissolved oxygen	Not less than 5.0 mg/l at any time	Not less than 5.0 mg/l at any time
2.	Sludge deposits-solid refuse-floatin~ solids-oils-grease-scum	None allowable	None allowable
3.	Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this class	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 during any monthly sampling period.	Not to exceed a median value of 700 and not more than 2300 in more than 10% of the Samples (Seenote S.6).
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.	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	6.8 - 8.5

TABLE 17-5 (cent.) COASTAL AND MARINE WATERS

CLASS SB (Continued)

ITEM	MASSACHUSETTS	RHODE ISLAND
7. Allowable temperature increase	None except where the increase will not exceed the recommended limits on the most sensitive water use.	None except where the increase will not exceed the recommended limits on the mostsensitive water use assigned to this class.
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 o-r unsuitable for fish or shellfish or their propagation, impair the palatability of same, or impair the water for any other usage.	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	None in concentrations or combinations which would be harmful to human, animal or aquatic life for the appropriate water use . None in such concentrations which would result in radio--nuclide concentrations in aquatic life which exceed the recommended limits for consumption by humans.	(See Note S.8)
10. Total phosphate	Not to exceed an average of 0.07 mg/1 as P during any monthly sampling period.	
11. Ammonia	Not to exceed an average of 0.2 mg/1 as N during any monthly, sampling period.	

T/lIiLE. 17-5 {cent.)

COASTAL AND MARINE WATERS

CLASS SC

ITEM	MASSACHUSETTS	RHODE ISLAND
Use	Suitable for aesthetic enjoyment; for recreational boating; habitat for wildlife and common food and game fishes indigenous to the region; industrial cooling and process uses.	Suitable for fish. shellfish and wildlife habitat: suitable for recreational boating, and industrial cooling; good aesthetic value.
1. Dissolved oxygen	Not less than 5 mg/l during at least 16 hours of any 24-hour period nor less than 3 mg/l at any time.	Not less than 5 mg/l during at least 16 hours of any 24-hour period, nor less than 3 mg/l at any time.
2. Sludge deposits-solid refuse-floating, solids-oiJ.s-grease-scum	None except that amount that may result from the discharge from a waste treatment facility providing appropriate treatment.	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.	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.	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.	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	6.5 - 8.5
7. Allowable temperature increase	None except where the increase will not exceed the recommended limits on the most sensitive water use.	None"except where the increase will not exceed the recommended limits on the most sensitive water use assigned to this class.

TABLE 17-5 (cont.)

COASTAL AND MARINE WATERS

CLASS SC (Continued)

ITEM		RHODE ISLAND
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	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	None in such concentrations which would be harmful to human, animal or aquatic life for the designated water use. None in such concentrations which would result in radio-nuclide concentrations in aquatic life which exceed the recommended limits for consumption by humans.	(See Note S.8)
10.	Total phosphate	Not to exceed an average of 0.07 mg/l as P during any monthly sampling period.	
11.	Ammonia	Not to exceed an average of 1.0 mg/l as N during any monthly sampling period.	

TABLE 17-5 (cont.)

COASTAL AND MARINE WATERS

CLASS SD

ITEM	MAS SACHUS ETTS	RHODE ISLAND
Use		Suitable for navigation, industrial cooling and 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-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 thatwould 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 limits on the most sensitive water use.
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.8)

TABLE 17-5 (cont.)

Noms

MASSACHUSETTS

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

2. Appropriate treatment is defined as the degree of treatment with disinfection required for the receiving waters to meet their assigned state or interstate classification and to meet the objectives of the water quality standards. Disinfection from October 1 to May 1 may be discontinued at the discretion Of the Division of Water Pollution Control.

3. The water quality standards do not apply to conditions brought about by natural causes.

4. The waters shall be substantially free of pollutants that will:
   (1) unduly affect the composition of bottom fauna
   (2) unduly affect the physical or chemical nature of the bottom
   (3) Interfere with the spawning of fish o-r their eggs.

5. 'The standards shall apply at all times in coastal and marine waters.

6. The amount of disinfection required shall be equivalent to a free and combined chlorine residual of at least 1.0 mg/l after 15 minutes contact time during peak hourly flow or maximum rate of pumpage.

RHODE ISLAND

S.1 Sea waters are those waters subject to the rise and fall of the tide.

S.2 Class SD waters will be assigned only where a higher water use class cannot be attained after appropriate waste treatment methods are utilized. Appropriate waste treatment shall be secondary treatment wi th disinfection or the equivalent. Lesser degrees of treatment will be permitted only where it can be demonstrated that attainment of the specified water use class standard of quality can be effectuated.

S.3 All sewage treatment plant effluents shall receive disinfection before discharge to sea waters.

S.4 The water quality standards do not apply to conditions brought about by natural causes.

S*5 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.6 Bacteriological surveys of sea waters should include sampling during periods when the most unfavorable hydrographic and pollution conditions prevail.

S.7 Any water falling below the standards of quality for a given class shall be considered unsuitable for the uses indicated for that class. Waters falling belowthe standards of quality for class SD shall be Class SE and considered to be in a nuisance condition.

TABLE 17 - 5 (cont.)

MASSACHUSETTS

NOTES (Continued)

RHODE ISLAND

s.8 The level of radioactive materials in all waters shall not be in concentrations or combinations which would be harmful to human, animal or aquatic life.

Table 17-6 Inland waters, Class AA, Connecticut. Existing or proposed drinking water supply impoundments and tributary surface waters (see Notes 9 and 10)

1. Dissolved oxygen	75 percent saturation, 16 hours/day; 5 mg/l at any time.
2. Sludge deposits - solid refuse - floating solids, oils and grease - scum	None other than of natural origin.
3. Silt or sand deposits	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
4. Color and turbidity	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
5. Coliform bacteria per 100 ml	Not to exceed a median of 100 nor more than 500 in more than 10 percent of samples collected. None of human origin (see Note 11).
6. Taste and odor	None other than of natural origin.
7. pH	As naturally occurs.
8. Allowable temperature increase	None other than of natural origin except when it can be demonstrated that cold water fish spawning and growth will not be impaired (see Note 17).

Table 17-6 (cont.) Inland waters, Class AA

9. Chemical constituents	(see Note 4)
(a) Phosphorus	None other than of natural origin.
(b) Sodium	Not to exceed 20 mg/l

Inland Waters, Class A

May be suitable for drinking water supply and/or bathing; suitable for all other water uses; character uniformly excellent; may be subject to absolute restrictions on the discharge of pollutants; authorization of new discharges of other than minor cooling and clean water would require revision of the class to Class B (see General Policy 5) which would be considered concurrently with the issuance of a permit at public hearing.

1. Dissolved oxygen	75 percent saturation, 16 hours/day; 5 mg/l at any time.
2. Slude deposits - solid refuse -floating solids, oils and grease - scum	None other than of natural origin.
3. Silt or sand deposits	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
4. Color and turbidity	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
5. Coliform bacteria per 100 ml	Not to exceed a median of 100 nor more than 500 in more than 10 percent of samples collected (see Note 12).
6. Taste and odor	None other than of natural origin.

Table 17-6 (cont.) Inland waters, Class A

7. pH	As naturally occurs.
8. Allowable temperature increase	None other than of natural origin except when it can be demonstrated that' cold water fish spawning and growth will not be impaired (see Note 17).
9. Chemical constituents	(See Note 4)
(a) Phosphorus	None other than of natural origin.

Inland Waters, Class B

Suitable for bathing, other recreational purposes, agricultural uses, certain industrial processes and cooling; excellent fish and wildlife habitat; good aesthetic value.

1. Dissolved oxygen	75 percent saturation; 16 hours/day; 5 mg/l at any time.
2. Slude deposits - solid refuse - floating solids, oils and grease - scum	None except for small amounts that may result from the discharge from a waste treatment facility providing appropriate 'treatment.
3. Silt or sand deposits	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
4. Color and turbidity	Turbidity shall not exceed 25 JTU, B_c 10 JTU (see Note 15). A secchi disc shall be visible at a minimum depth of 1 meter, B_B-criteria may be exceeded (see Note 14).

Table 17-6 (cont.) Inland Waters, lass B

5. Coliform bacteria per 100 ml	Not to exceed a median of 1000 nor more than 2400 in more than 20 percent of samples collected (see Note 12).
6. 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.
7. pH	6.5- 8.0
8. 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 400F. Bs - same as A (see Note 16).
9. Chemical constituents	(See Note 4)
(a) Phosphorus	(See Note 18)

Table 17-6 (cont.) Inland Waters, Class C

Suitable for fish and wildlife habitat, recreational boating, and certain industrial processes and cooling; good aesthetic value (see Note 13).

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. Cc and C_s - not less than 5 mg/l at any time (see Notes 15 and 16).

Table 17-6 (cont.) **Inland waters, Class C**

2. Sludge deposits - solid refuse - floating solids, oils and grease - scum	None except for small amounts that may result from the discharge from a waste treatment facility providing appropriate treatment.
3. Silt or sand deposits	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
4. Color and turbidity	Turbidity shall not exceed 25 JTU, Cc 10 JTU (see Note 15).
5. 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 percent of the samples collected during the period (see Note 12).
6. Taste and odor	None in such concentrations that would impair any usages specifically assigned to this class nor cause taste and color in edible fish.
7. pH	6.0 - 8.5'
8. 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 80°F or in any case raise the normal temperature of the receiving water more than 4oF. C_s - same as A (see Note 16).

Table 17-6 (cont.) Inland waters, Class C

9. Chemical constituents	(See Note 4)
(a) Phosphorus	(See Note 18)

Table 17-7 Coastal and marine waters, Class SA, Connecticut

Suitable for all seawater uses including shellfish harvesting for direct human consumption (approved shellfish areas), bathing, and other water contact sports; may be subject to absolute restrictions on the discharge of pollutants; authorization of new discharges other than cooling or clean water may require revision of the class to Class SB (see General Policy 5) which would be considered concurrently with the issuance of a permit at public hearing.

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. Silt or sand deposits	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
4. Color and turbidity	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
5. Coliform bacteria per 100 ml	Not to exceed a median MPN of 70 and not more than 10 percent of the samples shall ordinarily exceed an MPN of 230 for a 5-tube decimal dilution or 330 for a 3-tube dilution (see Note 12).
6. Taste and odor	None allowable.

Table 17-7 (cont.) Coastal and marine waters, Class SA

7. pH	None except where the increase will not exceed the recommended limit on the most sensitive receiving water use and in no case exceed 83°F or in any case raise the normal temperature of the receiving water more than 4°F. During the period including July, August, September, the, normal temperature of the receiving water shall not be raised more than 1.5°F unless it can be shown that spawning and growth of indigenous organisms will not be significantly affected (see Note 19}.
9. 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.

Table 17-7 (cont.) Coastal and marine waters, Class SB

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

1. Dissolved oxygen	Not less than 5.0 mg/1 at any time.
2. Sludge deposits - solid refuse - floating solids, oils and grease - scum	None except for small amounts that may result from the discharge from a waste treatment facility providing appropriate treatment.

17-7 (cont.) Coastal and marine waters, Class SB

3. sand or silt deposits	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).
4. Color and turbidity	A secchi disc shall be visible at a minimum of 1 meter, SB_B - criteria may be exceeded (see Note 14).
5. Coliform bacteria per 100 ml	Not to exceed a median value of 700 and not more than 2300 in more than 10 percent of the samples (see Note 12).
6. 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.
7. pH	6,8- 8.5
8. 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 830F or in any case raise the normal temperature of the receiving water more than 4oF. During the period including July, August and September, the normal temperature of the receiving water shall not be raised more than 1?5 F unless it can be shown that spawning and growth of indigenous

Table 17-7 (cont.) Coastal and marine waters, Class SB

	organisms will not be significantly affected (see Note 19).
9. 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.

Table 17-7 (cont.) Coastal and marine waters, Class SC

Suitable for fish, shellfish and wildlife habitat; suitable for recreational boating and industrial cooling; good aesthetic value (see Note 13).

1. Dissolved oxygen	Not less than 5 mg/l for more than 6 hours during any 24-hour period and at no time less than 4 mg/l. For cold water fishery, SC^c, not less than 5 mg/l at any time. SC_s - 6 mg/l (see Note 15).
2. Sludge deposits - solid refuse - floating solids, oils and grease - scum	None except for small amounts that may result from the discharge from a waste treatment facility providing appropriate treatment.
3. Sand and silt deposits	None other than of natural origin except as may result from normal agricultural, road maintenance, or construction activity provided all reasonable controls are used (see Note 6).

Table 17-7 (cont.) Coastal and marine waters, Class SC

4. Color and turbidity	None in such concentrations that would impair any usages specifically assigned to this class.
5. 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 percent of the samples collected during the period (see Note 12).
6. 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.
7. pH	6.5 - 8.5
8. 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 83°F or in any case raise the normal temperature of the receiving water more than 4°F. During the period including July, August and September, the normal temperature of the receiving water shall not be raised more than 1.5°F unless it can be shown that spawning and growth of indigenous organisms will not be significantly affected (see Note 19).

Table 17-7 (cont.) Coastal and marine waters, Class SC

9. 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.

Tables 17-6 and 7 (cont.) Notes

These notes include additional criteria, and supplementary information to insure proper interpretation and use of the criteria.

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

2. Class D and Class SD waters are considered unacceptable.

3. All sewage treatment plant effluent shall receive disinfection before discharge to the surface waters. The degree of treatment and disinfection shall be as required by the Commissioner and shall be consistent with the health standards as established by the state department of health.

4. The waters shall be free from chemical constituents in concentrations or combinations which would be harmful to human, animal or aquatic life for the most sensitive and governing water use class. 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. When bioassays are necessary to establish limits on toxic substances, the recommendations for bioassay procedures, and application factors contained in the National Technical Advisory Committee's report to the Secretary of the Interior on Water Quality Criteria, April 1, 1968 or contained in the publication on criteria for water equality required by Section 304 (a)(1) of the Federal Water Pollution Control Act shall be considered. 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 treatment.

5. The discharge of radioactive materials in concentrations or combinations which would be harmful to human, animal or aquatic life

Tables 17-6 and 7 (cont.) Notes

shall not be allowed. In no case shall the Alpha emitters in surface water exceed a concentration of 3 picocuries per liter or the Gross Beta emitters in a surface water exceed a concentration of 1000 picocuries per liter.

6. Reasonable controls may be defined by the Commissioner on a case by case basis or the Commissioner may require that it be affirmatively demonstrated by any person or municipality engaged in such activities that all reasonable controls will be or are being used.

7. The minimum average daily flow for seven consecutive days that can be expected to occur once in ten years under natural conditions is the minimum flow to which the standards apply, except when a stream is regulated to result in low flows below that level in which case the standards apply to the absolute low flow resulting from such regulation.

8. 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. Waters reserved for drinking water supply may be subject to restricted use by state regulations or local ordinance.

10. Proposed drinking water supply impoundments and tributary surface waters must be identified in the long range plan for management of water resources prepared and adopted pursuant to Section 25-5b of the Connecticut General Statutes in order to be included in Class AA.

11. Section 25-5b of the Connecticut General Statutes imposes an absolute restriction on the discharge of sewage to such waters. The requirement for "none of human origin" may be waived if the source is outside the state and similar requirements are not imposed by an adjacent state or if the source is a result of recreation in the water (i. e., swimming) which is not restricted by state regulation or local ordinances.

12. Coliform bacteria criteria are intended to provide a standard for coliform data evaluation and are related to the probability of contamination by undisinfected sewage. High results may be due to soil bacteria or bacteria from the feces of warm-blooded animals which are not of sanitary significance. High results should therefore be investigated by sanitary survey or other appropriate means to confirm the cause. Fecal coliform analysis, which means primarily coliform organisms from the feces of warm-blooded animals,

may be useful as a secondary indicator. Although the reliability of fecal coliform analysis is not yet adequate to use as a standard, it is desirable that correlation data be generated. The Region I Office of the U. S. Environmental Protection Agency has suggested criteria for fecal coliform data evaluation. Such criteria should be considered only as a guideline and can be found in Appendix A.

13. The existence of Class C or SC waters shall not be considered a reason for authorizing a new discharge that would not maintain the receiving waters as Class B or SB waters if the receiving waters were of such quality.

14. The use of subscript b in Class 5b is intended to identify those areas where natural conditions or conditions which cannot be expected to be appreciably altered by the control of discharges may preclude bathing. It may also be used in Classes Bb andSBb to designate areas in the immediate vicinity of treated sewage outfalls where bathing is not advisable.

15. The use of subscript c in Classes Bc, Cc, SBC and SCC is to identify areas suitable for cold water fisheries, especially fish passage.

16. The use of subscript s in Classes Bs and Cs is to identify areas suitable for cold water fisheries including fish spawning and growth:

17. Physical obstructions such as dams which prevent cold water fish from reaching an area suitable for spawning and growth shall not be considered a valid reason for not meeting the criteria,

18. There shall be no point source discharge into any natural lake or pond or tributary surface waters which will raise the phosphorus concnetration of the receiving surface waters to an amount in excess of 0.03 mg/l. For the purpose of this note the impoundments listed in Appendix B shall be considered natural lakes or ponds.

19. Upstream of the mouths of the Housatonic River, Connecticut River, and Thames River, the allowable temperature increase shall be consistent with the corresponding 'Inland Wetland Class.

20. Sample collection, preservation, handling and analysis should conform to "Standard Methods for the Examination of Water and Wastewaters", 13th Edition, 1971, American Public. They contain applicable laboratory methods.

a) "ASTM Standards", Part 23, Water; Atmospheric Analysis, 1970;
American Society of Testing and Materials,

Philadelphia, Pennsylvania 19103

b) "Methods of Chemical Analysis of Water and Wastes", April 1971, Environmental Protection Agency Water Quality Office, Analytical Quality Control Laboratory, 1014 Broadway, Cincinatti, Ohio 45263.

c) Any later edition of the above references or any other different but equivalent methods approved by the Commissioner.

Tables 17-6 and 7 (cont.) Appendix A

Fecal Coliform Criteria suggested as a guideline for data analysis by the Region I Office of the U. S. Environmental Protection Agency.

For Class A waters the fecal coliform bacteria concentration shall not exceed a log mean of 20 organisms/100 ml in any group of samples nor shall 10 percent of samples exceed 200 organisms/100 ml.

For Class B waters the fecal coliform bacteria concentration shall not exceed a log mean of 200 organisms/100 ml in any group of samples **nor shall 10 percent of samples exceed 500 organisms/100** ml.

For Class C waters the fecal coliform bacteria concentration shall not exceed a log mean of 1000 organisms/100 ml **in** any group of samples nor shall 10 percent of samples exceed 2500 organisms/100 ml.

For Class SA waters:

(1) Shellfish growing areas:

The fecal coliform bacteria concentration shall not exceed a log mean of 15 organisms/100 ml in any group of samples **nor** shall ?0 percent of samples exceed 50 organisms/100 ml.

(2) Non-shellfish growing areas:

The fecal coliform bacteria concentration shall not exceed a log mean of 50 organisms/100 ml in any group of samples **nor** shall 10 percent of samples exceed 200 organisms/100 ml.

For Class SB waters:

(1) Shellfish growing areas:

The fecal coliform bacteria concentration shall not exceed a log mean of 150 organisms/100 ml **in any group of samples nor**

shall 10 percent of samples exceed 500 organisms .100 ml.

(2) Non-shellfish growing areas:

The fecal coliform bacteria concentration shall not exceed a log mean of 200 organisms/100 ml in any group of samples nor shall 10 percent of samples exceed 500 organisms/100 ml..

For all Class SC waters:

The fecal coliform bacteria concentration shall not exceed a log mean of 1000 organisms/100 ml in any group of samples nor shall 10 percent of samples exceed 2500 organisms/100 ml.

Tables 17-6 and 7 (cont.) Appendix B Impoundments on Class B waters which shall be considered natural lakes or ponds with respect to phosphorus criteria

TOWN	LAKE OR POND
Branford	Branford Supply Ponds
Branford	Cedar Pond
Branford	Linsley Pond
Branford	Wards Mill Pond
Bridgeport	Bunnells Pond
Bridgeport	Lake Forest
Bristol/Wolcott	Cedar Swamp Pond
Bozrah	Fitchville Pond
Coventry	Wangumbaug Lake
East Hampton	Lake Pocotopaug
East Lyme	Gorton Pond
East Lyme	Powers Lake
Griswold	Ashland Pond
Griswold	Doaneville Pond
Griswold	Glasgo Pond
Griswold	Hopeville
Griswold	Pachaug Pond
Guilford	Clear Lake
Guilford	West Lake
Killingly	Fivemile Pond
Litchfield	Bantam Lake
Litchfield	Little Pond
Middlebury	Long Meadow Pond
Middlefield	Beseck Lake
Mi 1 ford	Indian Lake
Meriden	Foster Lake
Meri den	Beaver Pond
Meriden	Silver Lake

Tables 17-6 and 7 (cont.) Appendix B

TOWN	LAKE OR POND
New Canaan	Mill Pond
New Milford	*Candlewood Lake
Old Lyme	Rogers Lake
Plymouth	Fall Mountain Lake
Plymouth	Hancock Brook Flood Control Impoundment
Southington	Plants Pond
South Windsor	Vintons Mill Pond
Stafford	Glenville Pond
Stafford	Riverside Pond
Stafford	Warren Pond
Sterling	Sterling Pond
Thomaston	Branch Brook Flood Control Impoundment
Trumbull	Canoe Brook Lake
Trumbull	Pinewood Lake
Voluntown	Beachdale Pond
Voluntown	Sawmill Pond
Wallingford	Dayton Pond
Watertown	Oakville Pond
Watertown	Smith Pond
Winchester	Highland Lake
Wol Cott	Scoville Resevoir
Woodbridge	Komolds Pond

*Does not refer to discharges to the Housatonic River which is pumped to Lake Candlewood for power supply.

Table 17 - 8

STATE OF NEW YORK SURFACE WATER CLASSIFICATION

Water Type	Water Class	Best Usage of Waters
Fresh	AA	Source of water supply for drinking, culinary or food processing purposes and any other usages. (Chlorination only)
	"A	Source of water supply for drinking, culinary or food processing purposes and any other usages. (Sedimentation, filtration and chlorination)
	B	Bathing and any other usages except as a source of water supply for drinking, culinary or food processing purposes.
	C	Fishing and any other usages except for bathing or as a source of water supply for drinking, culinary or food processing purposes.
	D	Agricultural or source of industrial cooling or process water supply and any other usage. except for fishing, bathing or as a source of water supply for drinking, culinary or food processing purposes.
Tidal and Coastal	SA	Shell fishing for marJcet purposes and any other usages.
	SB	Bathing and any other usages except shell fishing for market purposes.
	SC	Fishing and any other usages except bathing or shell fishing for market purposes.
	SD	Any usages except fishing, bathing or shell fishing for market purposes.

Table 17- 8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classification		CRITERIA	
		Conditions	Allowable Limits
AA	1.	Floating solids; settleable solids, oil, sludge deposits, tastes or odor producing substances.	None attributable to sewage, industrial wastes or other wastes.
	2.	Sewage or wastes effluents.	None which are not effectively disinfected.
	3.	pH	Range between 6.5 and 8.5.
	4.	Dissolved oxygen.	For trout waters, not less than 5.0 parts per million; for non-trout waters, not less than 4.0 parts per million.
	5.	Toxic wastes, deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to be injurious to fish life, make the waters unsafe or unsuitable as a source of water supply for drinking, culinary or food processing purposes or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.

NOTE NO. 1: In determining the safety or suitability of waters in this class for use as a source of water supply for drinking, culinary or food processing purposes after approved treatment, the Water Pollution Control Board will be guided by the standards specified in the latest edition of "Public Health Service Drinking Water Standards", published by the United States Public Health Service.

Table ? 7- 8 (Cent)

STATE OF NEW YORK SURFACE. WATER QUALITY CRITERIA

Water Classification	CRITERIA Conditions	Allowable Limits
	NOTE NO. 2: With reference to certain toxic substances as affecting fish life, the establishment of any single numerical standard for waters of New York State would be too restrictive. There are many waters which because of poor buffering capacity and composition will require special study to determine safe concentrations of toxic substances. However, based on non-trout waters of approximately median alkalinity (80 ppm) or above for the state, in which groups most of the waters near industrial areas in this state will fall, and without considering increased or decreased toxicity from possible combinations? the following may be considered as safe stream concentrations for certain substances to comply with the above standard for this type of water. Waters of lower alkalinity must be specially considered since the toxic effect of most pollutants will be greatly increased.	
	Ammonia or Ammonium Compounds	Not greater than 2.0 parts per million (NH_3) at pH of 8.0 or above.
	Cyanide	Not greater than 0.1 parts per million (CN)
	Ferro- or Ferricyanide	Not greater than 0.4 parts per million ($Fe(CN)_6$)
	Copper	Not greater than 012 parts per million (Cu)
	Zinc	Not greater than 0.3 parts per million (Zn)
	Cadmium	Not greater than 0.3 parts per million (Cd)

Table 17-8 (Cont)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
A	1. Floating Solids, settleable solids, sludge deposits	None which are readily visible and attributable to sewage, industrial wastes or other wastes or which deleteriously increase the amounts of these constituents in receiving waters after opportunity for reasonable dilution anti mixture with the wastes discharged thereto.
	2. Sewage Or waste effluents.	None which are not effectively disinfected.
	3. Odor producing substances, contained in sewage, industrial wastes or other wastes.	The waters after opportunity for reasonable dilution and mixture with the wastes discharged thereto shall not have an increased threshold odor number greater than 8, due to such added wastes.
	4. Phenolic compounds.	Not greater than 5 parts per billion (Phenol).
	5. pH	Range between 6.5 and 3.5.
	6. Dissolved Oxygen	For trout waters, not less than 5.0 parts per million; for non-trout waters, not less than 4.0 parts per minim.

Table 17- 8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

CRITERIA"

Water Classification	Conditions	Allowable Limits
A	7. Toxic wastes, oil, deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to be injurious to fish, life, make the waters unsafe or unsuitable as a source of water supply for drinking, culinary or food processing purposes or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.
	NOTE: Refer to Notes 1 and 2 under Class AA, which are also applicable to Class A standards.	
B	1. Floating solids, settleable solids, sludge deposits	None which are readily visible and attributable to sewage, industrial wastes or other wastes or which deleteriously increase the amounts of these constituents in receiving waters after opportunity "for reasonable dilution and mixture with the waste discharged thereto.
	2. Sewage or waste effluents.	None which are not effectively disinfected.

Table 17 - 8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
B	3. pH	Range between 6.5 and 8.5..
	4. Dissolved oxygen	For trout waters, not less than 5.0 parts per million; for non-trout waters, not less than 4.0 parts per million.
	5. Toxic wastes, oil, deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to be injurious to fish life, make the waters unsafe or unsuitable for bathing or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.
	NOTE : Refer to No. 2 under Class M, which is also applicable to Class B standards.	
C	1. Floating solids, settleable solids, sludge deposits.	None which are readily attributable to sewage, industrial wastes or other amounts of these constituents in receiving waters after opportunity for reasonable dilution and mixture with the wastes discharged thereto.
	2. pH	Range between 6.5 and 8.5.

Table 17 - 8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
C	3. Dissolved oxygen	For trout waters, not less than 5.0 parts per million; for non-trout waters, not less than 4.0 parts per million.
	4. Toxic wastes, oil, deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to be injurious to fish life or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.
	NOTE : Refer to Note No. 2 under Class AA, which is also applicable to Class C standards.	
D	1. Floating solids, settleable solids; sludge deposits.	None which are readily visible and attributable to sewage, industrial wastes or other wastes or which deleteriously increase the amount of these constituents in receiving waters after opportunity for reasonable dilution and mixture with the wastes discharged thereto.
	2. pH	Range between 6.0 and 9.5.

Table 17- 8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classifications	CRITERIA	
	Conditions	Allowable Limits
D	3. Dissolved oxygen	Not less than 3.0 parts per million.
	4. Toxic wastes, oil, deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to prevent fish survival or impair the waters for agricultural purposes or any other best usage as determined for the specific waters which are assigned to this class.
	NOTE : Refer to Note No. 2 under Class AA, which is also applicable to Class D standards.	
5A	1. Floating solids, settleable solids, oil, sludge deposits.	None attributable to sewage, industrial wastes or other wastes.
	2. Garbage, cinders, ashes, oils, sludge or other refuse.	None in any waters of the Marine District as defined by State Conservation Law.
	3. Sewage or waste effluents.	None which are not effectively disinfected.
	4. Dissolved Oxygen	Not less than 5.0 parts per million.

Table 17- 8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classif-ication	CRITERIA		
		Conditions	Allowble Limits
SA	"5*	Toxic wastes., deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to be injurious to edible fish or shellfish or the culture or propagation thereof, or which in any manner shall adversely affect the flavor, color, odor or sanitary condition thereof or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.
	6.	Organisms of Coliform group	The median MPN value in any series of samples representative of waters in the shellfish growing area shall not be in excess of 70 per 100 milliliters.
SB	1.	Floating solids, settleable solids, oil, sludge deposits.	None attributable to sewage, industrial wastes or other wastes.
	"2.	Garbage, cinders, ashes, oils, sludge or other refuse.	None in any waters of the Marine District as defined by State Conservation Law.
	3.	Sewage or waste effluents.	None which are not effectively disinfected.

Table 17-8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
SB	4. Dissolved Oxygen	Not less than 5.0 parts per million.
	5. Toxic wastes, deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to be injurious to edible fish or shellfish or the culture or propagation thereof, or which in any manner shall adversely affect the flavor, color, odor or sanitary condition thereof; and otherwise none in sufficient amounts to make the waters unsafe or unsuitable for bathing or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.
Sc	1. Floating solids, settleable solids, sludge deposits.	None which are readily visible and attributable to sewage, industrial wastes or other wastes or which deleteriously increase the amounts of these constituents in receiving waters after opportunity for reasonable dilution and mixture with the wastes discharged thereto.

Table 17- 8 (Cont)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
SC	2. Garbage, cinder, ashes, oils, sludge or other refuse.	None in any waters of the Marine District as defined by State Conservation Law,
	3. Dissolved Oxygen	Not less than 5.0 parts per million.
	4. Toxic wastes, oil, deleterious substances, colored or other wastes or heated liquids.	None alone or in combination with other substances or wastes in sufficient amounts or at such temperatures as to be injurious to edible fish or shellfish or the culture or propagation thereof, or which in any manner shall adversely affect the flavor, color, odor or sanitary condition thereof or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.
SD	1. Floating solids, settleable solids, sludge deposits.	None which are readily visible and attributable to sewage, industrial wastes or other wastes or which deleteriously increase the amounts of these constituents in receiving waters after opportunity for reasonable dilution and mixture with the wastes discharged thereto.

Table 17 - 8 (Cent)

STATE OF NEW YORK SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
SD	2. Garb-age, cinders, ashes, oils, sludge or other refuse.	None in any waters of the Marine District as defined by State Conservation Law.
	3. Dissolved oxygen.	Not less than 3.0 parts per million.
	4. Toxic wastes, oil, deleterious substances, colored or other wastes.	None alone or in combination with ether substances or 'wastes in sufficient amounts to prevent survival of fish life or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.

Table 17 - 9

STATE OF NEW JERSEY SURFACE WATER CLASSIFICATION

Water Type	Water Class	Definition
Fresh	FW-1	Fresh surface waters designated by authorized State Agencies as being set aside for posterity to represent the natural aquatic environment and its associated biota.
	FW- 2	Fresh surface waters approved as sources of public potable water supply. These waters are to be suitable for public potable water supply after such treatment as shall be required by the State Department of Health. These waters shall also be suitable for all recreational purposes including fishing, the propagation of native fish species desired for angling and other fish and aquatic life necessary thereto as well as any other reasonable uses.
	FW- 3	Fresh surface waters suitable for all purposes provided for under Class FW-2 except public potable water supply.
	F W - 4	Fresh surface waters except as provided for under Classes FW-1, FW-2, and FW-3. These waters are to have limited recreational value and ordinarily not be acceptable for bathing or fishing but shall be able to maintain some fish life even though they may not be suitable for the propagation of fish. These waters shall not be an odor nuisance and shall not cause damage to pleasure craft having occasion to traverse the waters.
Tidal	TW-1	Tidal surface waters suitable for all recreational purposes, as a source of public potable water supply where permitted, and, where shellfishing is permitted, to be suitable for such purposes.
	TW- 2	Tidal surface waters having limited recreational value and ordinarily not acceptable for bathing or fishing but suitable for fish survival although perhaps not suitable for fish propagation" These waters shall not be an odor nuisance and

Table 17- 9 (Cont)

STATE OF NEW JERSEY SURFACE WATER CLASSIFICATION

Water Type	Water Class	Definition
		shall not cause damage to pleasure craft having occasion to traverse the waters,
	TW- 3	Tidal surface waters used primarily for navigation, not recreation. These waters, although not expected to be used for fishing, shall provide for fish survival. These waters: shall not be an odor nuisance and shall not cause damage to pleasure craft traversing them.
Coastal	CW-1	Ocean surf waters expected to be suitable for recreational use,

Table 17 - 9 (Cont)

STATE OF NEW JERSEY SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
FW-1	These waters shall be maintained, as to quality; in their natural state.	
	Conditions	Allowable Limits
FW- 2	1. Floating solids, settleable solids, oil, grease, artificial coloring matter and turbidity	None of which are noticeable in the water or are deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota.
	2. Toxic or deleterious substances (including mineral acids, caustic alkali, cyanides, heavy metals, carbon dioxide, ammonia or ammonium compounds, chlorine, etc.)	None which would affect humans or be detrimental to the natural aquatic biota.
	3. Odor and taste producing substances.	None which are offensive to humans, detrimental to the aquatic biota or capable of producing offensive tastes and/or odors in water supplies and fauna used for human consumption.
	4. pH. .	Between 6.5 and 8.5 unless naturally outside thereof.
	5. Dissolved oxygen.	Not less than 5.0 p.p.m. for trout waters; otherwise 4.0 p.p.m.
	6. Thermal discharges.	None which detrimentally affect the natural aquatic biota, or reasonably anticipated reuse of the waters.

Table 17- 9 (Cent)

STATE OF NEW JERSEY SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
FW- 3	1. Floating solids, settleable solids, oil, grease and turbidity.	None which are noticeable in the water or are deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota.
	2. Toxic or deleterious substances (including mineral acids, caustic alkali, cyanides, heavy metals, carbon dioxide, ammonia or ammonium compounds, chlorine, etc.)	None which would affect humans or be detrimental to the natural aquatic biota.
	3. Color, odor and taste producing substances.	None which are offensive to humans, detrimental to the aquatic biota or capable of producing offensive tastes and/or odors in fauna used for human consumption.
	4. pH .	Between 6.5 and 8.5 unless naturally outside thereof.
	5. Dissolved oxygen.	Not less than 5.0 p.p.m. for trout wakers; otherwise 4.0 p.p.m.
	6. Thermal discharges.	None which detrimentally affect the natural aquatic biota, or reasonably anticipated reuse of the waters.

Table 17-9 (Cont)

STATE OF NEW JERSEY SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
FW-4	1. Floating solids, settleable solids, oil and grease.	None which are noticeable in the water or contribute to the formation of sludge deposits along the shores.
	2. Toxic and deleterious substances.	None in such concentrations as to cause fish mortality or inhibit their natural migration.
	3. Taste and odor producing substances.	None which shall be offensive or that would detrimentally affect finfish, shellfish or other aquatic life in higher quality receiving waters. Neither shall it inhibit the natural migration of fish.
	4. Dissolved oxygen.	Not less than 50% saturation.

Table 17 - 9 (Cont.)

STATE OF NEW JERSEY SURFACE WATER QUALITY CRITERIA

Water classification	CRITERIA	
	Conditions	Allowable Limits
TW-1	1. Floating solids, settleable solids, oil, grease, scum and turbidity.	None which are noticeable in the water or are deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota.
	2. Toxic or deleterious substances (including mineral acids, caustic alkali, cyanides, heavy metals, carbon dioxide, ammonia or ammonium compounds, chlorine, etc.)	None which would affect humans or be detrimental to the natural aquatic biota.
	3. Color, odor and taste producing substances.	None which are offensive to humans, detrimental to the aquatic biota or capable of producing offensive tastes and/or odors in water supplies and fauna used for human consumption.
	4. pH.	Between 6.5 and 8.5 unless naturally outside thereof.
	5. Dissolved oxygen.	Not less than 50% of saturation.
	6. Thermal discharges.	None which detrimentally affect the natural aquatic biota, or reasonably anticipated reuse of the waters.
	7. Coliform bacteria.	The median MPN value in shellfish growing areas shall not be in excess of 700 per 100 milliliters.

Table 17-9 (C e n t)

STATE OF NEW JERSEY SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
TW- 2	1. Floating solids, oil and grease.	None which are noticeable in the water or contribute to the formation of sludge deposits along the shores.
	2. Toxic and deleterious substances.	None in such concentrations as to cause fish mortality or inhibit their natural migration.
	3. Taste and odor producing substances.	None which shall be offensive or that would detrimentally affect finfish, shellfish or other aquatic life in higher quality receiving waters.
	4. pH .	Between 6.5 and 8.5 unless naturally outside thereof.
	5. Dissolved oxygen.	Not less than 50% saturation.
	6. Thermal discharges.	None which detrimentally affect reasonably anticipated reuse of the waters.

Table 17 - 9 (Cent)

STATE OF NEW JERSEY SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
TM- 3	1. Floating solids, settleable solids, oil and grease.	None which are noticeable in the water or contribute to the formation of sludge deposits along the shores.
	2. Toxic and deleterious substances.	None in such concentrations as to cause fish mortality or inhibit their natural migration.
	3. Taste and odor producing substances.	None which shall be offensive or that would detrimentally affect finfish, shellfish or other aquatic life in higher quality waters.
	4. pH.	Between 6.5 and 8.5 unless naturally outside thereof.
	5. Dissolved oxygen.	Not less than 30% of saturation or 3.0 p.p.m., whichever is less.

Table 17. - 9. (Cont)

STATE OF NEW JERSEY SURFACE WATER QUALITY CRITERIA

Water Classification	CRITERIA	
	Conditions	Allowable Limits
CW-1	1. Floating solids, settleable solids, oil, grease and turbidity.	None of which are noticeable in the water or contribute to the formation of sludge deposits along the shores.
	2. Toxic and deleterious substances.	None which would affect humans or be detrimental to the natural aquatic biota.
	3. Color, taste and odor producing substances.	None which are offensive to humans, detrimental to aquatic biota or capable of producing offensive tastes and/or odors in fauna used for human consumption.

Table 17-9 (Cont)

STATE OF CONNECTICUT SURFACE WATER CLASSIFICATION

Water Type	Water Class	Water Uses
Inland	A	All water uses including potable supply with appropriate treatment
	B	Bathing, other recreation, agriculture, industrial cooling, fish and wildlife habitat, potable supply with appropriate treatment.
	C	Recreational boating, selected industrial, cooling, fish and wildlife habitat.
	D	Navigation, power, selected industrial, cooling, fish migration.
	E	Waters not suitable for any purpose.
Coastal and Marine	SA	Water contact sports, shellfish harvesting.
	SB	Water contact sports, cooling, fish and wildlife habitat.
	SC	Aquatic wildlife habitat, boating, cooling.
	SD	Navigation, power, selected cooling, fish migration.

Summary Table

17 ?-8.-,17- 9

SURFACE WATER CLASSIFICATION SYSTEM

COMPARISON FOR NEW YORK, NEW JERSEY AND CONNECTICUT

Water Type	State			General Water Uses[1]
	New York	"New Jersey	Connecticut	
Fresh Water		FW-1		Posterity
	AA	FW-2	. . A	Drinking
	A			
	B	FW-3		Bathing
	C		.'...:,'"",	Fishing
	D	FW-4	"D	Limited Recreational and/or Industrial
			E	No use
Tidal and Coastal[2] Waters				Drinking
	SA	TW-1	SA	Shellfish
	SB		SB	Bathing
	SC	TW-2	SC	Fishing
	SD	TW-3	SD	Limited Recreational and Industrial
Coastal Waters[2]		CW-1		Recreational

Notes: 1. Water use may be that listed or any of lower classification.
2. New Jersey distinguishes between' tidal and coastal waters.

Table 17 - 10
MAINE

MUNICIPAL SOURCES OF POLLUTION

* Basin-County	Municipality	Receiving Water	Existing a Treatment	Disch. (MGD) Winter	Disch. (MGD) Summer	B.O.D. /Day Winter	B.O.D. /Day Summer
113 Washington	Eastport	Cobscook Bay	None	.199		2685	
	E. Machias	E. Machias River	None	.090		900	
	Machias	Machias River	Secondary Construction	.250		2500	
118 Hancock	Bar Harbor Hills Cove Degregoire Park	Frenchman's Bay	None	.425		2400	3900
	Sorrento	Frenchman's Bay Somes Sound	None	.020		196	
	Southwest Harbor	Somes Sound	None				
	Ellsworth	Union River	None	.450		4500	
	Mt. Desert Seal Harbor Somesville Otter Creek	Northeast Harbor Seal Harbor Somes Sound	Secondary at Otter Creek	.194	.433	1600	3600
	Stonington	Coastal	None	.012		120	
	Winter Harbor	Winter Harbor	None	.097		1960	
	Castine	Castine Harbor	Secondary Construction	.100		1072	
	Blue Hill	Blue Hill Bay	None	.051		594	
	Bucksport	Penobscot River	None	.268		1600	
118 Waldo	Belfast	Belfast Harbor	Secondary	.513		750	
	Islesboro	Dark Harbor	None	.009		150	
	Northport	Belfast Harbor	None	.002	.007		
	Searsport	Searsport Harbor	None	.100		1000	

Table 17

Basin-County	Municipality	Receiving Water	Existing Treatment[a]	Disch. (MGD) Winter	Disch. (MGD) Summer	B.O.D. /Day Winter	B.O.D. /Day Summer
118 Knox	Camden	Camden Harbor	Secondary	.916		3916	
			None	115		1150	
	North Haven	Penobscot Bay	None	.0462		2°°	
				1.60		[illegible]	
	St. George (Tenants Harbor an	Tenants Harbo[illegible]		.°=5		95°	
				[illegible]		360	
118 Lincoln	Waldoboro	Medomak RiverEstuary	Secondary	.15°		1.2°°	
	Nobleboro	Damarscotta River	None	.°32		3°0	
	Damarscotta	[illegible]	None	207		1°°°	
	Newcastle	Damarscotta River	None	.153		630	
	Boothbay Harbor	Boothbay Harbor	Primary	.075	.20	2,300	
	Boothbay	Damarscotta River	None	.015		1,200	
		[illegible]	Secondary	.110		1,100	
118 Sagadahoc	Bath	[illegible]	Secondary	1.04		7.°°°	
	Bowdoinham	Cathance River	None	.050		[illegible]	
	am	dr [illegible]	None	320		3.2°°	
[illegible]	umb [illegible] un	[illegible]	Primary	2.16		16.5°°	

Table 17.-10 (cont.)

Basin/ county	Municipality	Receiving Water	Existing [a] Treatment	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E.of SS, B. O.D. /Day Winter	P.E.of SS, B. O.D. /Day Summer
117 Penobscot	Milford	Penobscot River	None	.1(est. yr. 2000)		1828	
	Old Town	Penobscot River	None	.850		9057	
	Orono	Penobscot River	Secondary	1.84		1000	
	Bradley	Penobscot River	None			1010	
	Veazie	Penobscot River	None	.23(est.yr. 2000)		1556	
	Bangor	Penobscot River	Primary (partial)	11.0		20,000+	
	Brewer	Penobscot	None	5.2		9300	
	Holden	Subsurface	Septic				
	Herman	Subsurface	Septic				
	Hampden	Penobscot River	None	3.0(est. yr. 2000)		4700	
	Orrington	Penobscot River	None			2700	
117 Hancock	Bucksport	Penobscot River	None	.275		3800	
117 Waldo	Winterport	Penobscot River	None	.14 (est.yr. 2000)		1954	
	Frankfort	Penobscot River	None			620	
116 Kennebec	Waterville	Kennebec River	None	1.79			
	Winslow	Kennebec River	None	.500			
	Augusta	Kennebec River	Primary	2.5			
	Hallowell	Kennebec River	None	.400			

Table 17 A-10 (cont.)

Basin-County	Municipality	Receiving Water	Existing Treatment[a]	Disch. (MGD) Winter	Disch. (MGD) Summer	B.O.D. /Day Winter	B.O.D. /Day Summer
16 Kennebec	Farmingdale	Kennebec River	None	.132			
	Chelsea		Septic; Secondary at V.A. Hospital				
	Gardiner	Kennebec River	None	.800			
	Winthrop	Augusta Sewers	Augusta STP	.300			
16 Androscoggin	Richmond	Kennebec River	Primary	.135			
115 Androscoggin	Lewiston	Androscoggin River	Secondary	3.23			3[illegible]. ooo
	Auburn	Androscoggin River	Secondary	1.424		17,810	
	Lisbon	Androscoggin River	None	.224		3500	
74 Cumberland	Portland (39 outlets)	Casco Bay Fore River Back Cove	None	8.9		69,000	
	Portland-Outer Co ngress Street	Stroudwater River	Secondary	.04		100	
	South Portland (26 outlets)	Fore River, Casco Ba	None	4.[illegible]		22,000	
	Westbrook (24 outlets)	Presumpscot River	None	1.5		11,000	
	Cape Elizabeth	Spurwink River	(partial) Secondary	.20			

Table 17-10 (cont.)

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
114 Cumberland	Cape Elizabeth (North of Fort Williams)	Casco Bay					
	Falmouth Foreside	Presumpscot Estuary	Secondary		.5		310[c]
	Gorham Little Falls	Presumpscot River	None		.01		150
	Windham (High School and Elementary School)	Pleasant River	Secondary		.01		120[c]
	Crescent Beach in Cape Elizabeth	Seal Cove	Primary		.15		
	University of Maine Gorham Campus	Tannery Brook	Secondary		.08		290[c]
112 Oxford	Fryeburg	Saco River	None		.135		1350
112 York	Parsonfield	Ossippee River	None		.0343		343
	Saco	Saco River	Secondary		3.55		9060
	Biddeford	" "	Secondary		3.00		10,000
	Limerick	Brown Brook Tributary to Little Ossippee River	None		.040		400

Table 17 - 10 (cont.)

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. Of Waste Discharge (MGD) Summer	P.E. of SS, B.O.D. /Day Winter Summer
112 York	Sanford	Mousam River	Stabilization Period	2.6[c]	14,440
	Kennebunk	Mousam River & Estuary	Primary	1.20	4,100
	Ogunquit[d] Wells	Atlantic Ocean, Webhannet and Ogunquit Rivers	None	.400 - 1.000	400 - 1,000
	Ogunquit Village	Atlantic Ocean		.100 - .75[c]	35[c] - 1275
	York Village[a]	York River Estuary	None	.140 - .300	400 - 543
	York Harbor	Atlantic Ocean	Failing		1000 - 2950
110 York	Berwick	Salmon Falls River	None	13[c]	1[illegible]
	North Berwick	Great Works Tributary to Salmon Falls River	None	.300	120[c]
	South Berwick	Salmon Falls River	Primary	.22	1500
	Kittery	Piscataqua River	Primary	1.0	8000

a Updated to Jan. 1974 status.
c 90% B.O.B. removal assumed.
d Waste Volume and Quality indicated is total produced; it is not all necessarily discharged as raw waste; some leaches from septic systems.
* Basins coded in accordance with EPA and Department of Interior designations.
- Includes all waste from proposed Salt Bay Sanitary District (Damariscotta, Nobleboro, Newcastle).

SOURCES: Maine Department of Environmental Protection, Water Quality Control Division, Interim Water Quality Plans for: Maine Coastal Basin (1972), Androscoggin Basin (1971), York Basins (1971), Penobscot River Basin (1971), Kennebec Basis (1971);, Metcalf and Eddy, Inc., Report to Portland Water District on Greater Portland Regional Sewerage System (October 1971).

Table 17-11
New Hampshire
MUNICIPAL SOURCES OF WATER POLLUTION

* Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
110 Rockingham	Epping	Lamprey River	Lagoons	.14 capacity		126 homes	
	Exeter	Swamscott River	Lagoons	1.22		7,600 served	
	Hampton	Tide Mill Creek	Primary	1.76		6,600 served	
	Pease AFB	Piscataqua River	Primary	.60		na	
	Portsmouth	Piscataqua River	Primary	1.35		15,800 served	
	Pierce Island	Piscataqua River	Settling Tank			600 homes	
	Seacrest Village						
	Rockingham County Home and Hospital	Dudley Brook	Secondary	.023		na	
110 Strafford	Dover STP	Cocheo River	Primary	1.0		na	
	Back River STP	Bellamy River	Primary	na		na	
	Dover: 60 outfalls	Cocheo River	none	1.6		na	

* Basins coded in accordance with EPA and Interior designations. See text.
na = Not available
SOURCES: Southeastern New Hampshire Regional Planning Commission, 1972 Wastewater Disposal Vol. 7: S.E. N.H. RPC, Exeter, N. H.; New Hampshire Water Supply and Pollution Control Commission, 1973, Interim Water Quality Management Plan - Piscataqua River Basin - Dover Area: N. H. Water Supply and Pollution Control Commission, Concord, N. H.

Table 17.[illegible]-12

Massachusetts

MUNICIPAL SOURCES OF WATER POLLUTION

* Basin-County	Municipality	Receiving Water	Existing Treatment	Disch. (MGD) Winter	Summer	B.O.D. /Day Winter	Summer
109 Essex	Amesbury		None	2.1		600	
	Andover	Merrimack River	Primary	na			na
	Andover-Ballardville		None	na			na
	Haverhill	Merrimack River and Little River	None	na			na
	Lawrence		None	36			na
	Methuen	Merrimack, Spicket River	None	na			na
	[illegible]ew		Primary	1.3			na
	North [illegible]	Merrimack and Shawsheen Rivers	None	na			na
108 Essex	Ipswich	Ipswich River	Primary	625		4,600	
	Beverly, Danvers, Peabody, Salem		None	25 (combined)			na
108 Middlesex 108 Suffolk 108 Suffolk 108 Middlesex	Reading, Wakefield Winthrop Revere		Primary a	4.0		10,000 [illegible]	
			Primary c	21.1	b	15,000	
	Arlington		Primary c	8.3	b	100% pop.	
			Primary c	4.5	b	80% pop	
108 Suffolk	Chelsea	Boston Harbor	Primary c	5.3	b	100% pop.	

Table 17 4-12 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basi n-Coun ty	Municipality	Receivina Water	Existing Treatment	Vol. Of Waste Disch. (MGD) Winter	Summer	P.E. of SS, B.O.D. /Day Winter	Summer
108 Middlesex	Everett	Boston Harbor	Primary [c]	11.8 [b]		100% pop.	
	Maiden	Boston Harbor	Primary [c]	7,5 [b]		100% pop.	
	Medford	Boston Harbor	Primary [c]	10.9 [b]		100% pop.	
	Melrose	Boston Harbor	Primary [c]	4.4 [b]		100% pop.	
	Somerville	Boston Harbor	Primary [c]	14.0 [b]		100% pop.	
	Stoneham	Boston Harbor	Primary [c]	4.4 [b]		80% pop.	
	Winchester	Boston Harbor	Primary [c]	3.5 [b]		100% pop.	
108 Suffolk	Boston	Boston Harbor	Primary [a,c]	189.0 [b]		100% pop.	
108 Norfolk	Brookline	Boston Harbor	Primary [c]	10.0 [b]		100% pop.	
108 Middlesex	Cambridge	Boston Harbor	Primary [a]	33.4 [b]		100% pop.	
108 Norfolk	Dedham	Boston Harbor	Primary [c]	5.1 [b]		85% pop.	
108 Middlesex	Franklin	Mine Brook	Secondary	4.55 [b]		40% pop.	
	Lexington	Boston Harbor	Primary a	6.9 [b]		66% pop.	
	Medfield	Charles River	Secondary	1.522 [b]		na	
	Medway	Great Black Swamp	None	1.5 [b]		2% pop.	
	Mi l ford	Charles River	Secondary	2.8 [b]		75% pop.	

Table 17-12 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. of Waste Disch. (MGD) Winter	Summer		P.E. of SS, B.O.D. /Day Winter	Summer
	Millis	Charles River	Secondary	1.5		b		20% pop.
108 Norfolk	Natick	Boston Harbor	Primary [c]	8.2		b		60% pop.
	Needham	Boston Harbor	Primary [c]	5.9		b		70% pop.
108 Middlesex	Waltham	Boston Harbor	Primary [c]	12.8		b		
	Watertown	Boston Harbor	Primary [c]	7.2		b		100% pop.
	Newton	Boston Harbor	Primary [c] Primary [a]	17.9	2.0	b b		100% pop.
108 Norfolk	Wellesley	Boston Harbor	Primary [c]	5.5		b		81% pop.
	Canton	Boston Harbor	Primary [c]	5.5		b		40% pop.
	Milton	Boston Harbor	Primary [c]	5.0		b		98% pop.
	Norwood	Boston Harbor	Primary [c]	5.0		b		98% pop.
	Quincy	Boston Harbor	Primary [c]	15.3		b		100% pop.
	Stoughton	Boston Harbor	Primary [c]	5.8		b		
	Walpole	Boston Harbor	Primary [c]	10.2		b	>	30% pop.
	Westwood	Boston Harbor	Primary [c]	2.1		b	>	29% pop.
108 Plymouth	Scituate	Subsurface	Secondary	5				na
		am						

Table 17. * 12 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. of Waste Disch. (MGD) Winter	Vol. of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
108 Plymouth	Plymouth	Plymouth Harbor	Secondary	1.7		10,000.	
	Marion	Aucoot Cove	Secondary	.27		2,000	
	Middleborough	Nemansket River	Secondary	.5		4,900	
108 Barnstable	Barnstable	Barnstable Harbor	Tertiary [d]	.015		215	
	Barnstable	Ground	Secondary [e]	.77		- 8,400	
	Falmouth	Ground	Tertiary [f]	.029		300	
	Falmouth	Great Harbor	Chlorination [g]	.25		2,500	
	Sandwich & Bourne	Ground	Tertiary [h]	.75		4,200	
	Truro	Ground	Tertiary [i]	.012		125	
	Wellfleet	Ground	Secondary [j]	1.0 design		300	
108 Bristol	Acushnet	Acushnet River New Bedford Sewers	None	na		na	
	Dartmouth	New Bedford Sewers	None	na		1,500	
	New Bedford	Buzzards Bay, Acushnet River, Clarks Cove	Non e	25.0		97,000	
	Fairhaven	Acushnet River	None	.9		10,250	
	Fall River	Mount Hope Bay	Secondary	11.0 design 22.0 actual		7, 500 [k]	
	Taunton	Taunton River	Secondary	4.38		2,300	

Table 17-12 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-Co.			Existing	Vol. of Waste Disch. (MGD) Winter	Summer	P.E. or SS, B.O.D. /Day Winter	Summer	
108 Bristol	Attleboro	Ten Mile River	Tertiary ?	2.5			1700 k	
	North Attleboro	Ten Mile River	Tertiary ?	2.2			900 k	
108 Dukes	Mansfield	Back Bay Brook	Secondary	.3-.5			300 k	
	Chilmark	Ground	Septic		208 m	40 l	275- 425	l
	Edgartown	Ground	Septic; proposed Secondary 1972	.1 m		300 l	7000- 8000	
	Gosnold	Vineyard Sound	None		.056 m	80 l	700- 800	l
	Oak Bluffs	Ground	Septic		1.06 m	1100 l	6500- 8500	l
	ry							l
	ew mm							l

a Metrop. Sanit. Dist. Sewers to Deer Island STP

b 1990 projections

c Metrop. Sanit. Dist. Sewers to Nut Island STP

d Barnstable Co. STP

e Hyannis Munic. STP

f Hospital STP

g Woods Hole STP

h Otis Air Force Base

i N. Truro Air Force Base

j Cape Cod Nat'. Seashore

k Assumes 90% BOD removal

l Est. Pop. Served by 1980

m Est. Sewage Flow(MGD) by 1980

*Basins coded by EPA STORET codes

na = not available

SOURCES:

Mass. Water Res. Comm., Div. of Water Pollution Control: Ipswich R. Study(1968). North R. Data Record on Water Qual. (1971), Report on the Charles R.(1971), Taunton R. Basin Water Qual. Mgt. Plan(1973); US EPA, 1973, draft reports to New England River Basins Comm., on water qual. for: Mystic-Charles-Neponset Basin, Ten-Mile Basin, Taunton Basin; Metcalf & Eddy, 1972, Report to Dukes Co. Plan. and Econ. Dev. Comm. on Compre. Water and Sewerage Plan; Metcalf and Eddy, 1970, Water Supply and Sewerage Planning in Central Merrimack Valley; TAMS, 1969, Reg. Study for Water Supply, Sewerage Disposal and Drainage, SE Mass; Alonzo B. Reed, Inc, 1970, Compre. Report on Water Supply and Sew. for C.Cod

Table 17-13
Rhode Island
MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality.	Receiving Water	Existing Treatment	Vol. Of Waste Disch. (MGD) Winter	Summer	P.E. of SS. B.O.D. /Day
106 Providence	Burrillville	Branch River - Blackstone River Basin	None	na		9,680
	Woonsocket	Blackstone River	"Secondary	6.4		(assumes 80% 9,200' removal)
	East Providence	Providence River Blackstone River"Basin	Secondary	4.0		"5,000(80% removal)
	East Providence	Seekonk River Blackstone River Basin	Secondary	18-30.0		(assumes 80% 20,000 removal)
	Providence	Providence River Blackstone River Basin	Secondary	52.0		170,000(74% removal)
	Saylesville	Moshassuck River	None	na		6,250
106 Kent	West Warwick	Pawtuxet River	Secondary	1,58		(assumes 80% 4,060 removal)
	Warwick	Pawtuxet River	Secondary	1.5		1,330(94% removal)
106 Providence	Cranston	Pawtuxet River	Secondary	7.5		(90-92% 3,200 removal)
106 Bristol'	Bristol	Bristol Harbor	Primary	2.15		6,000(49% removal)
	Warren	Warren River - Narragansett Bay	Prima ry	2.0		2,100(32% removal)
106 Kent	Warwick (Narragansett Village)	Pawtuxet Cove	Secondary	na		75(81% removal)
	East Greenwich	Greenwich Cove	Secondary	.3		200
106 Washington	Narragansett	Narragansett Bay	Primary	.1		750(12% removal)
	Scarborough, Hills-Narragansett	Narragansett Bay	Primary	.1		1,700 served

Table 17 - 13 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-		Receiving Water	Existing Treatment	Disch. (MGD) Winter	Summer	Waste P.E. of SS, B.O.D. /Day
106 Washington	South Kingston	Saugatucket River				[illegible]
	Jamestown					
106 Newport	Newport	East Passage-Narragansett Bay	Primary		7.6 design 8.4 actual	35,000 (8% removal)

* Basins coded in accordance with EPA and Interior designations. See text.

na= Not available

SOURCES: U.S. Environmental Protection Agency, draft reports for New England River Basins Commission, SENE Study Water Quality for: Narragansett Bay, Coastal Streams (1973), Pawtuxet Basin (1973); Rhode Island Statewide Planning draft report for New England River Basins Commission, Water Quality of Woonasquatucket - Moshassuck Basins, (1973).

Table 17 -14

LONG ISLAND SOUND

MU ICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
CONNECTICUT							
105 New London	Jewett City	Thames River Basin	Secondary	2.8			
	Groton (Town)	Thames River Basin	Secondary	.66			
	Groton (City)	Thames River Basin	Secondary	1.81			
	New London (Trumbull)]	Thames River Basin	Primary	2.87			
	New London (Riverside Plant)	Thames River Basin	Primary	.50			
	Norwich - Main	Thames River Basin	Primary	4.27			
	Norwich - Old	Thames River Basin	Primary	.167			
	Sprague	Thames River Basin	Secondary	.816			
	Mystic	Thames River Basin	Secondary	.15			
104 Mi ddl es ex-Hartford	All on Connecticut River in Connecticut	Connecticut River				300,000 [a]	
1 03 New Haven	Branford	Corm; Coastal Basins,	Secondary	1.48			
	Wallingford	Quinnipiac River Basi	Secondary	3.38			
102 New Haven	Meri den	Quinnipiac R. Basin	Secondary	3.67			
	North Haven	Quinnipiac River	Secondary				
	New Haven-Boulevard	Coastal-Long Is.Sound	Prima ry	15.60			
	New Haven-East Street	Coastal-Long Is.Sound	Primary	15.50			
	New Haven-East Side	Coastal-Long Is.Sound	Primary	10.55			

Table 17-14 (cont.)

LONG ISLAND SOUND

MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	Existing Treatment	Disch. (MGD) Winter	Disch. (MGD) Summer	P.E. of BS, B.O.D. /Day Winter	P.E. of BS, B.O.D. /Day Summer
CONN. (Cont)							
102 New Haven	West Haven	Coastal-Long Is. Sound	Primary [b]	7.67			
	Milford-Beaver Brook	Housatonic-Coastal	Secondary	.50			
	Milford-Town Meadow	Housatonic-Coastal	Secondary	2.10			
	Milford-Gulf Pond	Housatonic-Coastal	Secondary	4.17			
	Milford - Harbor	Coastal-Long Is. Sound	Secondary	.765			
	Seymour	Housatonic R. Basin	Secondary	.62			
		River	Secondary	2.70			
102 Fairfield	Stratford	Housatonic R. Coastal	Secondary	5.89			
	Bridgeport-West Side	Coastal-Long Is. Sound	Secondary	26.14			
	Bridgeport-East Side	Coastal-Long Is. Sound	Secondary	11.85			
	Fairfield	Coastal-Long Is. Sound	Secondary	6.67			
	Shelton	Housatonic River	Primary [b]	1.50			
	Westport	Coastal-Long Is. Sound	Secondary	.95			
	Norwalk	Coastal-Long Is. Sound	Primary [b]	13.52			
	New Canaan	Coastal-Long Is. Sound	Secondary	.6			

Table 17-14 (cont.) LONG ISLAND SOUND

MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
CONN. (Cent)							
102 Fairfield	Darien	Coastal-Long Is.Sound	Primary	1.42			
	Stamford	Coastal-Long Is.Sound	Primary	16.00			
	Greenwich	Coastal-Long Is.Sound	Secondary	9.19			
	All Secondary in Corm listed above		Secondary	84.41		105,600	
	All Primary in Corm. listed above		Primary	97.95		629,000	
NEW YORK							
133 Westchester	Port Chester	Coastal-Long Is.Sound	Primary	4.4			
	Blind Brook	Coastal-Long Is.Sound	Primary	1.9			
	Mamaroneck	Coastal-Long Is.Sound	Primary	16.9			
	New Rochelle	Coastal-Long Is.Sound	Primary	11.5			
133 New York	City - Hart Island	Coastal-Long Is.Sound	Primary	1.0			
133 Queens	Belgrade	Coastal-Long Is.Sound	Secondary	1.34			
	Westchester, Queens, N. Y. County Summary		Primary	35.7		208,400	
133 Nassau	Great Neck	Long Island Sound.	Secondary	.99			
	Great Neck	Long Island Sound	Secondary	2.56			
	Port Washington	Long Island Sound	Secondary	2,63			
	Roslyn	Long Island Sound	Secondary	.42			
	Glen Cove	Long Island Sound	Secondary	5.06			

Table 17-14 (cont.) LONG ISLAND SOUND

MUNICIPAL SOURCES 0)? WATER POLLUTION

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. Of Waste Disch. (MGD) Winter	Summer	P.E. of SS, B.O.D. /Day Winter	Summer
133	Nassau						
	Oyster Bay	tong Island Sound	Secondary	1.2			
133 Suffolk							
	Huntington	Long Island Sound	Secondary	1.2			
	Northport	Long Island Sound	Secondary	. 1 5			
	Port Jefferson	Long Island Sound	Primary	1.24			
	Greenport	Long Island Sound	Primary	.29			
	Nassau, Suffolk County Summary		Secondary	15.55		1 9 , 5 0 0	
			Primary	1.53		9,000	

a/ From, 1960 data

b/ Being upgraded to secondary

SOURCE: Connecticut Department of Environmental Protection, Division of Water Compliance, draft report to New England River Basins Commission for Long Island Sound Study, 1974; U. $. Department of Interior, FWQA, 1970, Comprehensive Water and RelatedL and Resources, Connecticut. River Basin, Appendix D.

Table 17-15

RARITAN BAY - NEW YORK BIGHT AREA

MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	Existing Treatment	Vol. Of waste Disch. (MGD) Winter	Vol. Of waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
NEW YORK							
133 New York	Manhattan	Upper Bay	1 Secondary STP	200.		1,800,000	
133 Queens	Queens	New York Bight	4 Secondary STP	250.		1,682,000	
133 Richmond	Staten Island	Raritan Bay	Primary STP	7.		131,000	
			1 Secondary STP	11.		60,000	
133 Kings	Brooklyn	Lower Bay Upper Bay	4 Secondary STP	371.3		4,216,000	
NEW JERSEY							
133 Bergen		Hudson River	2 Primary STP	3.87		20,500	
			7 Secondary STP	49.08		549,180	
133 Hudson		Hudson River	7 Primary STP	71.0		497,600	
			2 Intermed. STP	11.6		106,300	
			1 Secondary STP	1.4		11,100	
133 Middlesex		Raritan Bay	6 Primary STP	[illegible]		43,900	
			1 Intermed. STP	44.5		435,000	
			6 Secondary STP	11.26		80,480	
133 Monmouth		Raritan Bay	22 Primary STP	18.91		183,780	
			1 Intermed. STP	2.90		25,000	
		New York Bight	18 Secondary STP	10.01		113,210	

SOURCES: Interstate Electronics Corporation, 1974 draft, Coastal Zone Water Quality Monitoring, Summary of Findings, prepared for the U.S. EPA, Division of Water Quality and Non-Point Source Control. (1968. Storet Data cited pp. 2-17, 2-18.)

Table. 17 -16

RARITAN BAY - METROPOLITAN NEW YORK
MUNICIPAL SOURCES OF WATER POLLUTION

"SOURCE: TRI-STATE TRANSPORTATION COMMISSION, 1970, MANAGING THE NATURAL ENVIRONMENT: TRI-STATE REGIONAL PLANNING COMMISSION, NEW YORK; N. Y.

East River:		
Bronx:	300	MGD
Nassau County:		MGD
Queens County:	1::	MGD
Kings County:	100	MGD
Manhattan:	100	MGD
Hudson River:		
New York County:	60	MGD
Manhattan:	200	MGD
Hudson County:	60	MGD
Newark Bay:		
Hudson County:	100	MGD
Staten Island (Richmond County):	" 20	MGD
Upper Bay:		
Kings County:	100	MGD , 100 MGD
Hudson County:	240	MGD
Richmond County:	20	M G D
Jamaica Bay:		
Kings/Queens Co:	200	MGD
Rockaway:	40	MGD
Arthur Kill:		
Middlesex-Union Co:	60	MG D
Raritan River:		
Middlesex County:	60	MGD
Raritan Bay:		
Staten Island	20	MGD
Monmouth County:	20	MGD

Table 17 - 17

RARITAN BAY - METROPOLITAN NEW YORK
MUNICIPAL SOURCES OF WATER POLLUTION

SOURCE : INTERSTATE ELECTRONICS CORPORATION, 1974 DRAFT,
COASTAL ZONE WATER QUALITY MONITORING: U.S. E.P.A.
(Figure 2-2)

East River:		
Bronx:	149.1 MGD	Secondary
Queens County:	254 MGD	Secondary
	161.3 MGD	Intermediate
Hudson River:		
Hudson County:	2.1 MGD	Primary
Upper Bay:		
Hudson County:	81.2 MGD	Primary
Jersey City:	?	
Kings County:	100.3 MGD	Intermediate
Newark Bay:		
Essex County:	250 MGD	Primary
Jamaica Bay:		
Queens County:	89.2 MGD	Secondary
	63.8 MGD	?
	89.2 MGD	Secondary
Rockaway:	19.0 MGD	Secondary
Raritan River:		
Middlesex County:	112. MGD	Primary
Raritan Bay:		
Richmond County (Staten Island):	26.5 MGD	?
Monmouth County:	3.2 MGD	Primary
Arthur Kill:		
Union County:	76. MGD	Primary

Table 17 -18
Maine
INDUSTRIAL SOURCES OF POLLUTION

	Basin-county	Industry	Town	Receiving Water	Vol. of Dis ch. (MGD)	P.E. of B.O.D. /Day	P.E. of SS/day	Other	Existing Treatment
118	Washington county	A.L. Stewart & Sons	Cherryfield	Narraguagas River	.245	N/A	-		None
		Jasper Wyman & Sons	"	"	N/A	N/A	N/A		None
		Argenta Products Co.	Eastport	Atlantic Ocean	.250	250	160		None
		Holmes Packing Co.	"	"	.638	4590	12,900		None
		B.H. Wilson Fisheries	"	"	.200	5050	4,060		None
		Guilford Industries Inc.	"	"	.012	200	200		septic Tank
		Mearl Corp.	"	"	.0225	N/A	N/A		None
		L. Ray Packing Co.	Milbridge	"	.120	2705	1850		None
		Jasper Wyman & Sons	"	"	.080	750	4035		None
		Machiasport Canning & Packing Co.	Machiasport	"	.140	4555	3670		None
118	Hancock	Stinson Canning Co. (sardines)	Gouldsboro	Prospect Harbor "	.190	4500	6500	1,260 lbs. of C.O.D./day	None
		Addison Packing (sardines)	Southwest Harbor	Southwest Harbor	.120	6500	150,000	1,160 lbs. of C.O.D./day	None
		Mooseabec Inc.	Bass Harbor	Bass Harbor	.060	300	90,000	840 lbs. of C.O.D./day	
		Stonington Packing co. (sardines)	Stonington	Stonington Harbor	.270	6500	400,000	3,400 lbs. of C.O.D./day	None
		Callahan Mining Corp. (copper)	Brooksville	Goose Falls Brook at Cape Rosier	.432	DNA	DNA	Metals	None

Table 17.1-18 (cont.)

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.I?. of B.O.D./ day	P.E. of S,S/day	Other Charact. of Discharge	Existing Treatment
117 Hancock	St. Regis Paper Co.	Bucksport	Penobscot River	12	75,000	-310,000		primary proposed
"118 Waldo	Belfast Beverage Belfast Canning Co. Penobscot Frozen Lockers, Inc.	Belfast	To municipal sewage treatment plant					
	Belfast Poultry Processing	Belfast	Belfast Bay	.8-2.0	2300			Dissolved Air flotation
	Maplewood Poultry	Belfast	Belfast Bay	1.1	10,600	3250	'2,400 lbs.of C.O.D./day	
	Delta Chemicals	Searsport	Penobscot Bay	1.584	134,750	21,300	116,585 lbs. of C.O.D./day	All wastes evaporated and vat discharges
118 Knox	Knox Woolen Co.	Camden	To municipal treatment					
	Camden Tannery	"	" "					
	Marine Colloids	Rockland	Rockland Harbor	.704	29500	22000	High inorganic solids, heat	None
	National Sea Prod.	Rockland	"	.0008	N/A	N/A		None
	F.H. O'Hara & Son	Rockland	"	.159	N/A	N/A		None
	Rockland Shrimp Co.	Rockland	"	.450	2400			None
	Port Clyde Packing Co.	Rockland	"	.300	4000	5500		None
	North Lubec Canning & Manufacturing Co.	Rockland	"	.240	3800	4200.		None
	Martin Marietta Corp. Dragon Cement	Thomaston	St. George River	.75		10,650		*None*

Table 17-18 (cont.)

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B. O. D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treat-ment
118 Lincoln	Medomak Canning Co.	Waldoboro	Medomak River	.13	2115-6365	2115-6365	ph 5.4-12.1	lagoons
	Sylvania Electric	"	" "	.075-.100	351-400"	351-400		Package Biological
	Muscongus Fisheries	Bristol	Muscongus Sound	.290	N/A	N/A		None
	Coastal Fisheries Inc. Boothbay Harbor Freezer	Boothbay Harbor	Boothbay Harbor	.300	N/A	N / A		None
	Maine Yankee Atomic	Wiscasset	Bailey Cove	.0125	1500	1500	950 C.F.S. cooling water	Package Biological
	Central Maine Power Co. Mason Station	Wiscasset	Bailey Cove	106.71	N/A	N / A		None
118 Sagadahoc	Bath Canning CO.	Bath	to Bath Treat-ment Plant	.130	3875	3875		
	Oakhurst Dairy	Bath	" "					
	Bath Iron Works	Bath	" "	.075	3000	3000		
	Hearst Paper Co.	Topsham	Androscoggin River	3.92	22,060	24,643	18,910 lbs. of C.O.D./day	None
118 Cumberland	Overback Shoe Co.	Brunswick	to Brunswick Treatment Plant	.015-.0175	600-700	600-700		
	Bath Industries	Brunswick	" "		3001-3500	3001-3500		
	Maine Crab Meat Co.	Portland.	Portland Harbor	.004				None
	Maine Fisheries Corp.	"	" "	.123				None
	Mecaw Industries	"	Casco Bay	.006				None

Table 17-18 (cont.)

MAINE

INDUSTRIAL SOURCES OF POLLUTION

Basin/ County	Industry	Town	Receiving Water	vol. of Waste MGD	P.E. of B. O. D./ day	P.E. of SS/day	other	Existing Treatment
117 Penobscot	l. M. C. Chlor-Alkali Eastern	Orrington	Penobscot River	4,6			.172 #/day Mercury; NaCl, Cl, NaOH, CaSo4	
	Eastern Pine Paper	Brewer	Penobscot River	3.7	18,500	72,000		None
	Old Town Pulp Products	Old Town	Penobscot River	.150				None
	Penobscot Paper Co.	Old Town	Penobscot River	20.3	450,000	50,000		None
117 Hancock	St. Regis Paper Co.	Bucksport	Penobscot River	12.	112,500	400,000		Primary Proposed
116 Kennebec	Scott Paper Co.	Waterville	Kennebec River	30.	2,000,000	190,000		None
	Keyes Fibre	Waterville	Kennebec River	.600				None
	Wyandotte Worsted	Waterville	Kennebec River	1.5				None
	H. Halifax Packing Co.	Winslow	Sebasticook River	.315				None
	Alto Packing Co.	Winslow	Sebasticook River	.390				None
	Purela Dairy	Winslow	Sebasticook River	.042				None
	Smiley's Dairy	Winslow	Sebasticook River	.020				None
	Statler Tissue	Augusta	Kennebec River	10.66	370,000	235,000		
	Bates Mfg. Co.	Augusta	Kennebec River	.035	1,450			None

Table 17 - 18 (cont.)

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	Lbs. of B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treat-
116 Kennebec	Coca Cola Bottling	Augusta	Kennebec River	.035				None
	Brewer's Dairy		Augusta Sewers	.010				Primary at Augusta
	Inmont Corp.	Winthrop	Augusta Sewers	1.288				Primary at Augusta
	Carleton Woolen Mills	Winthrop	Augusta Sewers	.300				Primary at Augusta
115 Androscoggin	Bates Mfg. - Bates Division	Lewiston	Androscoggin River	1.030	5,075			None
	Hillcrest Poultry	Lewiston	Lewiston Sewers	.320	6,≤25	≡ 550	lbs. of C.O.D./day = 2,806	Screening
	th Co.	ston	Androscoggin River	.400	14.000			None
	Juliet Mills	Lisbon Falls	Androscoggin River	.800	≡1,500		pH = 3.0 - 4.0	None
	U.S. Gypsum Co.	Lisbon Falls	Androscoggin River	1.7	32,500		pH = 5.2 - 6.7 ss= 1687 ppm	
	Marcel Paper Co.	Mechanic Falls	Little Androscoggin River	2.0-3.0	48,610		pH = 6.3-10.	Primary

Table 17 - 18 (cont.)

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B. O. D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treatment
114 Cumberland	American Hoist and Derric Co.	Portland	Portland Sewer	.032[a]			127,000. gpd cooling; 800 gal per week 4% H_2SO_4; 200 gal per week caustic soda.	None
	Armour & Co.	Portland	Portland Sewer	.019 [a]			+2100 gpd cooling	None
	Burnham & Merrill co.	Portland	Sewer and Casco Bay	.119 [a]			+250,000 gpd cooling	None
	Central Wharf Fisheries	"	Casco Bay	.044 [a]				Screening
	Cudahy Co.	"	Portland Sewer	.011 [a]				None
	Ellis Paperboard Products	" Thompson's Point	Fore River	.004 [a]				None
	Guy Gannett Publishing	Portland	Portland *Sewer*	.013 [a]				None
	H.P. Hood & Sons, Inc.	Portland	Portland Sewer	.162 [a]			+.077 gpd cooling	None
	" " "	"	" "	.020 a			+.095 gpd cooling	None
	Jordan Meats	"	" "	.004 [a]				None
	Songo Shoe Mfg. Corp.	"	" W	*.005* [a]				None
	Standard Romper Co.	"	" ▫	.003 [a]				None
	Others (Portland)	"	" "	.015 [a]				None
	BanCroft Martin, Inc.	So. Portland	So. Portland Sewer	.007 [a]				None
	Bliss-Portland	" "	Fore River	.020 [a]			+184,500 gpd cooling	None

Table 17-18 (cont.)

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B.O.D./ day	P.E. Of SS/day	Other Charact. of Discharge	Existing Treatment
114 Cumberland	Medomak Canning Co.	Portland	Portland Sewer	.012[a]			+18000 gpd cooling	None
	Mid-Central Fish Co.	"	Portland Harbor	.162 [a]				Screening
	Nissen Baking	"	Portland Sewer	.019 [a]			+19000 gpd cooling	None
	W.H. Nichols	"	" "	.024 [a]				Portland STP; Pre-treated w/ Chemical setting
	Oakhurst Dairy	"	" "	.028 [a]			+14200 gpd cooling	None
	Old Tavern Farm	"	" "	.020 [a]				None
	P.S. Peacock Canning Co.	"	Portland Harbor	.127 [a]				Screening
	The Portland Co.	"	Casco Bay	.020 [a]			+6000 gpd cooling	None
	Portland Rendering Co.	"	Presumpscot Estuary	.002 [a]				Settling
	Portland Stove Foundry	"	Portland Sewer	.004[a]			+15000 gpd cooling	None
	Southworth Machine Shop	"	" "	.010[a]			+2200 gpd cooling	Settling
	American Can Co.	"	" "	.027[a]			+45000 gpd cooling	None

Table 17 4-18 (cont.)

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B. O. D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treatment
114 Cumberland	Fairchild Semiconductor Corp.	S. Portland	S. Portland Sewer	.329*			+35,000 gpd cooling	neutralization, chemical
	General Electric Co.	S. Portland	S. Portland Sewer	.033[a]			+99,000 gpd cooling	
	Pine State By-Products Inc.	S. Portland	Fore River	.067[a]				Lagoon, Chemical, Settling
	Sanders Assoc, Inc.	S. Portland	S. Portland Sewer	.110[a]				None
	Blue Rock Industries	Westbrook	Brook	.161[a]				Filtering
	Saunders Brothers	"	Westbrook Sewer	.009[a]				None
	S. D. Warren Paper Co.	"	Presumpscot River	25.9[a]				Settling
	Westbrook Spinning Sebago-Moc Co. Enterprise Matress	"	Westbrook Sewer	.020[a]				None
	Weyerhauser Co.			.003[a]				None
112 York	Strafford of Kezar Falls	Parsonfield	Ossippee River	.500	4250	4250		None
	Rogers Fiber Co.	Buxton	Saco River	.400	NA	NA	Cooling .001 mgd	None
	Saco Tanning Co.	Saco	Saco River	1.30	66,000	90,000	40ppm Chrome; pH 5-12	None
	Spaulding Fibre Co.	Milton, N.H. discharged at Lebanon, Maine	Salmon Falls River above Spaulding Pond	NA	NA	NA	grab sample: pH 4.5; BOD>30mg/l SS-48mg/l	Lagoons

Table 17.-18 (cont.)

Basin/ County	"Industry"	Town	Receiving Water	Vol. of Waste MGD	P. E. of B.O.D./ day	P. E. of SS/day	other Charact. of Discharge	Existing Treatment
110 York	Prime Tanning Co.	Berwick	Salmon Falls River	.450	35,000	65,000	120 mg/l chromium; pH 3.5 - 12	equalization
	American Cyanide CO.	Sanford	Mousam River	.800	300			Sanford stabilizatin ponds
	Morningstar Corp. of Maine	Kennebunk	Mousam River	.055	none	none	cooling water	none

a Indicates use of water for processing and sanitary purposes only
Further diluted by cooling waters (see other).
b Supposed to terminate operations May, 1972.

SOURCES: Maine Department of Environmental Protection, Water Quality Control Division, Interim Mater Quality Plans for: Maine Coastal Basin (1972), Metcalfcoggin Basin (1971), York Basins (1971), Penobscot River Basin (1971), Kennebec Basin (1971); and Eddy, Inc., Report to Portland Water District on Greater Portland Regional Sewerage System (October 1971).

Table 17 - 19
NEW HAMPSHIRE
INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P. E. of B. O. D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treatment
110 Rockingham	Arc Way SteelBoiling and Welding Company	Hampton	Hampton STP				Domestic	Primary
	K. D. Cahill Company	Hampton	Hampton STP				Domestic	Primary
	Charles E. Greenman Co.	Hampton	Hampton STP				Domestic	Primary
	Hampton Metal Shop, Inc.	Hampton	Hampton STP				Domestic	Primary
	Palmer and Sicard, Inc	Hampton	Hampton STP				Domestic	Primary
	Pease Chemical Co., Inc	Hampton	Hampton STP				Domestic	Primary
	Pease Leather Co., Inc.	Hampton	Hampton STP				Domestic	Primary
	S & Ii PrecisionManufacturing Cc.. Inc.	Hampton.	Hampton STP				Domestic	Primary
	Sea Coast Manufacturing Corporation	Hampton	Hampton STP				Domestic	Primary
	Whites Welding	Hampton	Hampton STP				Domestic	Primary
110 Strafford	Clarostat Manufac. Co.	Cover	-				-	-
	Davidson Rubber Co.	Dover	-				-	-
	Spaulding Fiber Co.,Inc	Dover	-				-	-
	United Tanners, Inc.	Dover	-				-	-
	29 Others	Dover					-	-

SOURCES: New Hampshire Water Supply and Pollution Control Commission, 1973, Interim Water Quality Management Pian - Piscataqua River Basin- RoverArea, and 1973, Interim Water Quality Facilities Plan for the Coastal Area Watershed in Hampton Area: New Hampshire Water Supply and Pollution Control Commission, Concord, New Hampshire.

Table 17-20
Massachusetts
INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treat-ment
108 Essex	U.S.M Chemical		Ipswich River					
	Richardson Dairy		Ipswich River					
108 Middlesex	White Fuel Corporation	Arlington	Mill Brook	.001			ph=6.0	Oil separator
	Mystic Valley Gas Malden Gas	Malden	Maiden River	.99				"None
	Monsanto Company	Everett	Mystic River	7.12				Neutralization
	Boston Edison-Mystic Station	Charlestown	Mystic River	456.	585		1050 P.E. of C.O.C., heat	Neutralization, Sedimentation
	Amotar Sucar Refinery	Charleston	Mystic River	10.5			Heat	None
	Revere Sugar Refinery	Charlestown	Mystic River	75.4	45,590	41,000		Neutralization, sludge thickening, land disposal.
108 Middlesex--Suffolk	Humble Oil	Everett, Chelsea	Island End River	.268				Oil Separator, separator ponds
108 Middlesex	U.S. Gypsum	Charlestown	Mystic River	2.750		?4,400	Heat 42,900 ppm sulfate =983,000 lb/da 158,000 ppm sodium =3,620,000 lb/da 359,000 ppm chloride=8194.000 lb/da 21,400 ppm magnesium=490,000 lb/da 14,600 ppm potassium=334,500 lb/da	None
108 Suffolk	Atlantic-Richfield Co.	Revere	Chelsea River	varies with rainfall			Surface drain-age	API Separator
	Northeast Petroleum Crp	Revere	Chelsea River	'.0042				Oil/hater Separator
	Gulf Oil Co. ,-Storage and Dispensing	Chelsea	Chelsea River	.008981			Heat surface drains	Oil/Water Separator
	Mobil Oil Co.-Distrib.	E. Boston	Chelsea Creek	varies with rainfall				Oil/Water Separator
108 Middlesex	GAF Corporation	Franklin	Mine Brook to Charles River	.225	1,060	7,450	NH_3=47.3 lb/da Heat;kjeldahl nitrogen-60.6 lb/da.	Screening

Table 17.20 (cont.).

MASSACHUSETTS
INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Waste MGD	B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treat- ment
108 Middlesex	GAF Corporation	Millis	Tributary to Charles R	.17	190		cleat	Sand filter, Settling pond
	Cott Corporation	Millis	Unnamed Brook	.06	17,500		COD=37,500 P.E.	None
	White Fuel Corporation	West Newton	Cheesecake Brook	.0012			Storm drain- age	Separator
	Humble Gil Company	Waltham	Stony Brook				Storm drain- age	Gravity separator
	Shell Oil	Waltham	Beaver Brook				Storm drain- age	None
	Cambridge Electric - 1	Cambridge					Heat	None
	M. I. T.	Cambridge	Charles River	8.76			Heat	None
	Cambridge Electric -2	Cambridge	Charles River	76.4			Heat	None
	B& M Railroad	Cambridge	Millers River	.108			Sodium chro- mate=18 lb/ day. Phosphate= 11.5 lb/da. Oil & Grease= 68.5 lb/da.	Oil trap
108 Middlesex	Bettinger corporation		Cedar Swamp Pond (Upper Charles)	.05	5		.6 lb.of P/da	
	StyIon Corporation		Cedar Swamp Pond (Upper Charles)	.004	0		.1 lb.of P/da	
	Buckley & Mann Corp.		Mill River (Upper Charles)	.19	40			
	Walpole Prison		Stop River (Upper Charles)	.4	835		8 lb.of P/da.	
	Ruberoid Corporation		Charles River	.18	40			
	Cliquot club Corp.		Charles River	.24	7,400		65 lb.of P/da.	

MASSACHUSETTS

Table 17 – 20 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Type of Waste	Flow or B.O.D./	P.E. of	Other Charact. of	Existing Treat-
108 Middlesex	Medfield Hospital		Charles River	.25	365		9 lb of P/da	
	Filfast Corporation		(Upper Charles	.94	360		135 lb of P/da	
	Wrentham School		(Upper Charles)	.4	585		of P/day.	
108 Suffolk	Boston Naval Shipyard	Boston	Little Mystic Channel	12.2			Heat	Chlorine
	MBTA Power Plant	Boston	Boston Inner Harbor	57.6			Heat	None
	Boston Edison	South Boston	Reserved Channel	417			Heat	
	White Fuel Company	Boston	Reserved Channel	.040			10 Bl. oil & grease/day	API Separators
	Gillette Company	South Boston	Fort Pt. Channel	26.284			Heat	None
108 Norfolk	The Foxboro Company	Foxboro	Neponset Reservoir	3				Chemical treatment
	Plymouth Rubber Company	Canton	Neponset River	4,947.			oil & grease	None
	Schaefer Stadium and Bay State Raceway	Foxboro	Neponset River					None
	Perkit Folding Box Crp	Hyde Park	Neponset River (Boston Sewers as of 1972 ?)	120				
108 Suffolk	Keystone Micro. Scan Co	Boston	Neponset River	.0	405		phosphorus	None
108 Norfolk	Plymouth Rogers Div.	Abington	North River					Primary
	Colonial Provisions Co.	Abington	French Stream to North River					
	Clark-Babbitt Foods	Rockland	North River					None
°6	Simpson Spring Company	Easton	Queset Brook - Taunton River Basin	.0023	20	11	.6 lb. KJEL-N day	

Table 17.-20 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treatment
106	Olin Thompson Plastic	Freetown	Taunton River	.144	455	2,279	COD=573 lb/d ph=9.2 Chlorinated hydrocarbons	Settling Basins
	Swan Finishing Co. ,Inc.	Swansea	Lee River Taunton Basin	.30	5,872	650	COD=5940 lb/da. ;KJEL-N= 289 lb/da; Total P=62 lb/da.	Moving to Fall River, will pretreat & connect to municipal system
	Whitman Plating Co.Inc.	Whitman	Hobart Pond Taunton River Basin				cr=1.5 mg/l cu=1.3 mg/l ni=3.7 mg/l sn=2.8 mg/l	cesspool
	Sheridan Silver Co.Inc.	Taunton	Taunton River	.108			cu=.63 lb/da ag=.60 lb/da	None
	Ronco Enterprises Inc.	Taunton	Taunton River	.0165			cu=.45 mg/l=.06 lb/da ag=.53 mg/l=.07 lb/da. Fl=2061. mg/l=283 lb/da COD=288 mg/l=39 lb/da.	None
	Royce Aluminum Corp.	Taunton	Taunton River	.0044 a .05 b			Al=1.7 lb/da (46 mg/l) COD=5.7 lb/da (157 mg/l)	None
	Winslow Limited	Norton	Rumford River Taunton River Basin				COD=200 mg/l Cu=22 mg/l Ag=20 mg/l Cyanide=41.6 mg/l	Lagoon
	S & II Plating Co.Inc.	Norton	Unnamed Swamp Taunton River Basin				Cu=11 mg/l Ag=.02 mg/l Cyanide=2.8 mg/l Ni=3.0 mg/l Sn=.8 mg/l	Lagoon

MASSACHUSETTS

Table 17-20 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

County	Industry	Town	Receiving Water	Waste MGD	B.O.D./ day	P.E. of	Charact. of arge	Treat-
06	Hermetite Corporation	Avon	Trout Brook Taunton River Basin	.07	6°		Ni,Sn,Zn,Cr.	Neutralization & detention-septic tank & leaching field
	Drew Tanning	Brockton	Taunton River Basin	08	< 160			None
	Reliable Electroplating	Norton	Taunton Basin	006			002 lb Ni/	Fe control, chlor-
	Rogers Silver	Taunton	Taunton River	0157				
	Raytheon	Dighton	Taunton River Basin	.144				Under construction
	Parks Corporation	Somerset	Taunton River	.07			ph=4.2 heat	None, only cooling water
	Arkwright Finishing	Fall River	Quequechan River Taunton River Basin	.985	10,550		ph=9.6	-
	Whiting and Davis Co.	Plainville	Ten Mile River	.054			ph=8.6 metals	Cyanide Oxidation Metals Recovery
	Plainville Stock	Plainville	Ten Mile River Basin	.0012			Metals	Neutralization and metals reclamation
	A and J Tool Findings	Plainville	Plainville Pond	.0008			Metals	Neutralization & cyanide removal, sludge
	Hilsinger Corporation	Plainville	Ten Mile River	35			cooling)	control & effluent
	L.S. Peterson Company	No. Attleboro	Ten Mile River	.00132			Metals	
	& J Jewelry Company	No. Attleboro	Ten Mile River	.015			Metals	Settling Tanks
	Edward N. Cook Plating	Attleboro	Ten Mile River	04			Metals	Precipitation, neutrali- zation, ext
	Advanced Metals Technologies, Inc.	No. Attleboro	Ten Mile River	.159			Metals	None

MASSACHUSETTS

Table 17.-20 (.Cent.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B.O.D./ day	P.E. Of SS/day	Other Charact. of Discharge	Existing, Treat-ment
106	Ocean Spray Cranberries Inc.	Hanson	Great Cedar Swamp-Taunton River Basin	.256	10,600		34 lb. P/da. 7. lb NH_3-N/ day.	None
	Dyecraftsmen	Taunton	Mill River - Taunton River Basin	.30	4@= - 1,640-	66	8146 P.E. of C.O.D.; ph= 3.6; 54 lb.of KJEL-N/da.; 13 lb. P/da. ; 200 lb.oil & grease/day.	None
	Geilich Tanning	Taunton	Taunton River	1.00	41,650- 32,250	21,400	104,330 P.E. of C.O.D./da; ph=8.8; 1174 lb.KJEL-N/da ; 25 lb.P/day; 560 lb.NH_3-N/da.; 3960 lb.oil & grease/day.	None
	General Work Clothes	E. Taunton	Taunton River		1,320 mg/l	445 mg/l	4,300 mg/l COD	Septic Tank
	Defiance Bleachery	Norton	Wading River Taunton River Basin	.775 1.11	4,575- 6,358	7:76;	3795-5387 lb OD/Da;ph=12.0	None
	Harodite Finishing	Taunton	hree Mile River Taunton River Basin	.35	12,789	3,381	522 . . ph=10. ; KJEL-N=743 lb/day NH_2-N=43 lb/day Total P=51 lb/day.	None
	ICA America, Inc.	Dighton	Muddy Cove Brook Taunton River Basin	.43	15,000	10,380	OD=26,609 lb/da. h=3.6, 4,8, 2.7 JEL-N=61 lb/da. Total P=290 lb/da.	Color & metal removal by e- qualization, neutralization, & absorption

MASSACHUSETTS

Table 17-20 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B. O. D.; day	P.E. of SS/day	Other Charact. Of Discharge	Existing Treatment
106	Doran and Johnson	No. Attleboro	Ten Mile River	.034			Metals	Neutralization Sedimentation
	Manufacturers Bldg.Trus	No. Attleboro	Ten Mile River	.006			Metals	Neutralization Cyanide oxidation
	H.'F. Burrows Company	No. Attleboro	Ten Mile River	.0015			Metal Plating Wastes	Neutralization Pets 1s red amat i on Cysnide oxidation
	L. G. Balfour Company	No. Attleboro	Ten Mile River	.3			Metal plating wastes Cu, Ni, Zn	Neutralization Metals reclamation Cysnide oxidation"
	C. Ray Randall Manufacturing Co.. Inc.	No. Attleboro	Ten Mile River	.105			Metal plating was tes, Cn leakage	Neutralization Cyanide oxidation
	V. H. Blackington and Company, Inc.	No. Attleboro	Ten Mile River	.0214			Metal plating wastes	Metals reclamation
	Wells - Benrus, Inc.	Attleboro	Ten Mile River	.03			Metal plating was tes	Neutralization Cyanide oxidation
	Walton and Lonsbury	Attleboro	Ten Mile River	" .03			Metal plating wastes	Neutralization Cyanide oxidation
	Horton - Angell Company	Attleboro	Mattabasset River	.0072			Metal plating wastes	Subsurface disposal of acids.
	Gorham, Division of Textron, Inc.	Attleboro	Ten Mile River	.035			Metal plating was tes	Collection and holding tank
	North Attleboro National Fish Hatchery	No. Attleboro	Bungay River	i.52	70	695	18 lb ni trate per da. ;8 lb P/day.	None
	Dante, Inc.	Attleboro	Mechanics Pond Ten Mile Basin	.063			Ni=6.0 lb/da Cu=1.2 lb/da (Max. for both)	Sedimentation, Cyanide Oxidation, Metals Reclamation
	Ripley and GoWan Co.In	Attleboro	Ten Mile River	.04			Metal plating wastes	Neutralization Sedimentation Cyanide destruction
	Texas Instruments Inc.	Attleboro	Ten Mile River	.44			Plus 1.86 MGD cooling wate	Oil removal, Neutralization, Cyanide oxidation

Table 17.--20 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P. I?. of B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treat- ment
106	Englehard Indust. Div	Attleboro	Ten Mile River	.216			Metal plating wastes +.07 MGD cooling water	Settling tanks Anthracite filter Ion Exchange Evaporation
	Lambert Anodizing Co, Inc	Attleboro	Ten Mile River	.05			Metal plating was tes	Lagoons Neutralization Metals, reclamation
	L . G . Balfour	Attleboro	Ten Mile River	.1045			Metal plating , wastes	Neutralization, metals precipitation Cyanide oxidation
	Foster Metal Products, Inc.	Attleboro	Ten Mile River	.0143			Metal plating wastes	Neutralization Sedimentation
	Krew, Inc.	Attleboro	Ten Mile River "	.023			Metal plating wastes	Neutralization Heavy metals removed
	Leach and *Garner Co.*	Attleboro	Ten Mile River	„ ,00725			Metal plating wastes	Neutralization Metals reclamation
	Swank, Inc.	Attleboro	Ten Mile River	.211			Metal plating wastes	Cyanide and heavy metals recovery
	Walter E. Hayward Co.	Attleboro	Ten Mile *River*	*.00586*			Metal plating wastes	Neutralization sedimentation
	Mantrose Co., Division of Millmaster Onyx Corp	Attleboro	Ten Mile River	.10	1,750		Shellac & shellac specialties wastes +.22 MGD cooling water	Centrifuge Vacuum filter
	Leavens Manufact. Co.	Attleboro	Ten Mile River	.042			Metal plating wastes	Neutralization Cyanide oxidation Clarifying lagoon
	Handy and Harmon	Attleboro	Speedway Brook - Ten Mile River Basin	.015			Metal Plating wastes Coagulation	Neutralization Sedimentation in lagoons.
	Antaya Brothers	Attleboro	peedway Brook Ten Mile River Basin	.011			Metal plating wastes	Settling tanks

MASSACHUSETTS

Table 17-20 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/		Receiving	Waste	B.O.D./	P.E. or	Charact. of	Treat-
1[illegible]		Speedway Brook -				Metal plating	Neutralization Cyanide destruction
Bates and Klinke	Attleboro	Ten Mile River	.0024			waste	Metals reclamation Cyanide oxidation
Dodgeville Finishing	Attleboro	Ten Mile River	.32	2,400		finishing	None
Teknor Apex Company	Attleboro	Ten Mile River	.081	3,335		Chemical wastes	Phosphate removal pretreatment to Attleboro WWTF
Attleboro Dyeing and Finishing Corp.	Seekonk	Ten Mile River	.144	7,800		Dyes, finishing wastes	Equalization Sedimentation lagoons
		Seven Mile River				Metal plating	Neutralization Sedimentation

[a] Massachusetts State Water Pollution Control Division
[b] EPA figure (SENE draft report)

Sources: Massachusetts Water Resources Commission, Division of Water Pollution Control Reports: Ipswich River Study (1968), North River Data Record on Water Quality (1971), Report on the Charles River (1971), Taunton River Basin Water Quality Management Plan (1973), U. S. Environmental Protection Agency draft reports to New England River Basins Commission, on Water Quality for: Mystic,-Charles,-Neponset Basin (1973), Ten Mile Basin (1973), Taunton River Basin (1973), all part of the Southeastern New England Study.

Table 17 - 21

Rhode Island

INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. Of B. O. D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treatment
106 Providence	Jonell Corporation	Burrillville	Clear River Blackstone Basin	.0022	215		Textile wastes & heat	None
	Andrew Worsted Mills	Burrillville	Pascoag River Blackstone Basin				Textile processing	None
	Cities Service Company	Burrillville	Branch River Blackstone Basin	.14			11 lb/da.SO_4 3.5 " Fe 2.45 " Mg	None
	Amperex Electronic Corp	No. Smithfield	Branch River Blackstone Basin	.1107	285		Heat	Neutralization
	Stamina Mills			.365	435		Fibers, dyes, detergents	Solvent extraction
	Woonsocket Color and Chemical Company	Woonsocket	Blackstone River Woonsocket Sewers					Connected/Woonsocket sewers
	Enterprise Dye Works	Woonsocket	Blackstone River Woonsocket Sewers	.8	6,900		Heat	Connected/Woonsocket sewers
	Quincy Dye Works	Woonsocket	Blackstone River Woonsocket Sewers	1.0				Connected/Woonsocket sewers
	Attcum Properties, Inc.	Pawtucket	Blackstone River	.05			12 lb/da.sodium/some metals	None
	Crown Yarn and Dye Co., Inc.	Pawtucket	Blackstone River	.156	570		Heat	None
	Carol Cable	Pawtucket	Blackstone River	2.25			Heat-cooling water	None
	Mobil Oil Corporation	E. Providence	Providence River Blackstone Basin	2.2	1,100		Heat, surface drainage	Oil/water separator, lagoon
	Atlantic Richfield American Oil Company Gulf Oil Corporation	E. Providence	Providence River Blackstone Basin	variable			Surface drainage	Oil/water separator
	Bird and Son	E. Providence	Seekonk River Blackstone Basin	1.61			Heat-cooling water	Heat recovery
	Washburn Wire Company	E. Providence	Seekonk River Blackstone Basin	3.42 2.28 5.7		5,150	Heat, metal mfg. wastes	Settling basins
	Blackstone Valley Electric Company	Pawtucket	Seekonk River Blackstone Basin	16.1			Heat-cooling water	None

RHODE ISLAND

Table 17 - 21 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treat-ment
106 Providence	Narragansett Electric (Manchester St. Station	Providence	Providence River Blackstone Basin	152.			Cooling water	None
	Narragansett Electric (South Street Station)	Providence	Providence River Blackstone Basin	.130.			Heat-cooling water	None
	Oil Terminals (5 cos.)	Providence	Providence River Blackstone Basin	Varies			Surface drains	None
	Allied Chemical	Providence	Providence River Blackstone Basin				Formaldehyde acids, caustic soda, amonia	Limestone beds
	Lincoln Dimensional Tubs inc.	Lincoln	Moshassuck River	.12			Cooling water	Cooling pond
	Collyer Insulated Wire Company	Lincoln	Moshassuck River	.17			Cooling water	None
	Bryant College	Smithfield	Unnamed Pond	144.design	10			Tertiary
	Providence Granite Co.	Providence	Woonasquatucket River	.50			150 lb/da.of suspended rock dust/cuttings	None
	Mine Safety Appliances Company	Esmond/ Smithfield	Woonasquatucket River	.328	100		cr=.07 lb/da. zn=.02 lb/da.	Septic tanks
	Industrial Machine Co.	Georgiavi he, Smithfield)	Woonasquatucket River		75			Septic tanks
	Pawtucket Dyeing and Bleaching	Pawtucket	Ten Mile River		9 70			None
	Falvey Linen Supply	Scituate	North Branch Pawtuxet Basin	. 4	,300		Laundry wastes	Non e.
	Arkwright-Interlaken, Inc.	Scituate	North Branch Pawtuxet Basin	.98	14,000		Heat, Laundry was tes	Lagoons
100 Kent	William Heller Inc. (Pawtuxet Valley Dyeing	Coventry	North Branch Pawtuxet Basin	.8	7,470		Textile fin-ishing 352 lb/da.oil & grease 126 lb/da;tiUr-factants/day. 156 lb/da phenols	None

RHODE ISLAND

INDUSTRIAL SOURCES OF WATER POLLUTION

Table 17-21 (cont.)

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of BOD/ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treatment
108 Kent	American Hoescht Corp.	Coventry	South Branch Pawtuxet Basin	1.3	39,000		101 lb/da.or--ganic nitrogen 102 lb.cu/da. 16,147 lb.day phosphorus 30 lb.iron 88 lb.mg/day	Coagulation Neutralization
	Six firms	Warwick	South Branch Pawtuxet Basin		, 00		Principally dye & finishing wastes	None
	Original Bradford Soap Works	Warwick	South Branch Pawtuxet Basin	.13!I	2,430		da surfactants	None
105 Providence	State Institutions	Cranston	Pawtuxet River	125	1,400		Sanitary	Secondary
	Cranston Print Works	Cranston	Pocasset River Pawtuxet Basin	.1	575		Heat,textile wastes	None
	Falstaff Brewing Corp.	Cranston	Tongue Pond Pawtuxet Basin	1.96	327		Heat	None
	F & G Electroplating	Cranston	Budlong Brook	.0035			Traces of Cn, Cr,Cu,Cd,Ni	None
	United Wire & Supply Corp.	Cranston	Pawtuxet River	.665			Heat,sodium, Potassium	Lime treatment holding tanks
	Ciba-Geigy Limited	Cranston	Pawtuxet River	1.2	10,000		Solvents,oils acids. heat	Secondary
106 Newport	Gulf Oil Corporation	Tiverton	Sakonnet River Narragansett Basins	varies			Surface drainage	Oil/water separatovs
106 Bristol	Kaiser Aluminum and Chemical	Bristol	Bristol Harbor	.45			Boiler blowdown	None
106 Providence	OKonite Company	E. Providence	Seekonk River	.5			b. cw/da heat	Acid recovery settling tanks
106 Kent	Bostitch Division of Textron, Inc.	E. Greenwich	Fry and South Brooks	.35 .029			cooling sanitary	Lagoons Secondary
	E. Greenwich Dairy	E. Greenwich	Fry Brook	.07	105			Lagoons Chlorination

RHODE ISLAND

Table 17-21 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/	ry	T	Receiving	Waste	B.O.D./	P.E. of	Charact. of	Treat-
106 Washington	Brown and Sharpe Manufacturing Company	N. Kingston	Hunt River	.08	120		Industrial & Sanitary	Tertiary
	Navy Wastewater Treatment	N. Kingston	West Passage of Bay	2.35 design				Primary-to be turned over to town
	Navy Housing Wastewater Treatment	N. Kingston	Wickford Harbor	.07 design			Present status unknown	Secondary-
	Un. of Rhode Island Wastewater Treatment	Narragansett	West Passage of Bay	.004	negl.			Tertiary
	Rhode Island Nuclear Science Center	Narragansett	West Passage of Bay	.0008 .0004			Radioactive (A.E.C.reg.) Sanitary	
	Palisades Industries	S. Kingston	Saugatucket River	.9	1,005		937 lb.cod/da. 19 lb.phos/da. 19 lb.K-Nitrogen/day. 15 lb.surfactants/day.	COD removal 75% planned
	Point Judith Fisherman's Cooperative Assoc. Inc.	S. Kingston	Mouth of Point Judith Pond	2.16 .012	18,820 605		Fish process wastes, sanitary, 19.3 lb. oil & grease/day.	Chlorination
105 Newport	Fort Adams Navy Housing	Newport	Newport Harbor		650		Current status uncertain	Primary with chlorination
	Castle Hill and Shamrock Cliffs Hotels	Newport	Newport Harbor				Sanitary waste	None
	Newport Electric	Newport	Newport Harbor	15.6			Cooling water	None
	Naval Weapons Station Depot	Portsmouth	East Passage	.05	90		Sanitary/Ind. rent status uncertain	Primary
	Raytheon Company	Portsmouth	Weaver Cove	.038 .03	90 235	715	Sanitary/Ind. " : 217 lb. C.O.D./day	Secondary None

SOURCES: U.S. Environmental Protection Agency, 1973, draft reports to New England River Basins Committee for Southeastern New England Study, Water Quality Reports: Narragansett Bay, Coastal Streams, Pawtuxet Basin, Blackstone River Basin;,Rhode Island State Wide Planning for New England River Basins Committee, SENE Study, Water Quality Report on Woonasquatucket-Moshassuck Basins, 1973.

Table 17-22

INDUSTRIAL SOURCES OF WATER POLLUTION

Long Island Sound

Basin/ County	Industry	Town	Receiving Water	vol. of Waste MGD	P.E. of B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing Treat-ment
CONNECTICUT								
103 New London	American Velvet Company	Stonington	Little Narragansett Bay	.21			Textile mill was tes	N
	Federal Paper Board Co.	Sprague	Little River	7.9			Paper mill	P
	King-Seeley Thermos	Lisbon	Shetucket River	.09			Metal plating	P
	Dow Chemical Company	LedYard	Thames River	1.86			Plastics	C
	Robertson Paper Box	Montville	Oxoboxo River	.0			Paper mill	P
	Corm. Light & Power	Montville	Thames River	432.			Elec. power	C
	General Dynamics	Groton	Tnames River	1.79			Shipbuilding	P
	Pfizer Company	Groton	Thames River	115.5			Chemical and allied produc	P
	Millstone Feint Company	Waterford	Long Island Sound	662.0			Elec. power	C
104 Middles ex-Hartford	All industries on the Connecticut River, Corm.	-	Connecticut River in Connecticut		38,050 D		47% load from paper ind., 1.8% from tex-tiles, 23% from metal & machinery, 27.2% food processing	
104 Middlesex	R. Donnelly & Sons	Old Saybrook	Oyster River	.15			metal plating & polishing	N
" 102 New Haven	Atlantic Wire Company	Branford	Branford River	.34			Steel & wire products	
	Napier Company	Meriden	Quinnipiac River	.09			Metal plating & polishing	C

LONG ISLAND SOUND

Table 17-22 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	"Receiving Water	Vol. of Waste MGD	P.E. of B.O.D./ day	P.E. of S.S'/day	Other Charact. of Discharge	Existing Treat-ment
CONNECTICUT(con								
102 New Haven	Wallingford Steel Co.	Wallingford	Quinnipiac River	3.15			Cold finishin steel	" P
	American Cynamid Co.	Wallingford	Quinnipiac River	3.58			Plastics	C'
	Pratt and Whitney	North Haven	Quinnipiac River	1.39			Aircraft engines	C
103 New Haven	Marlin Firearms Company	North Haven	Waterman's Brook	.18			Metal polishing and finishing	P
	Upjohn Company	North Haven	Quinnipiac River	.60			Organic chemicals	P
	Humphrey Chemical Co.	North Haven/ Hamden	Quinnipiac River	.50			Organic chemicals	P
	Federal Paper' Board Co.	New Haven	Mill River				Paper board	P
	United Illuminating Co.	New Haven	Mill River	356.			Elec. power	N
	Simkins Industries	New Haven	Mill River	1.01			Paper board	N
	United Illuminating Co.	New Haven	New Haven Harbor	403.			Elec. power	P
	Sargent & Company	New Haven	New Haven Harbor	.33			Metal services	C
	Schick Safety Razor	Milford	Indian River	.36			Metal plating & polishing	C
	Robert Shaw Controls	Milford	Long Island Sound	.35			Metal plating & polishing	C
	Conn. Light & Power	Milford	Housatonic River	373.			Elec. power	C
	Kerite Company	Bethany	Bladems Brook	.43			Metal plating & polishing	C

Table 17.-22 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ Coun. ty	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B.O.D./ day	P.E. of SS/day	Other Charact. of Discharge	Existing ment
CONN. (Cent)								/reat-
102 Fairfield	Remington Electric	Bridgeport	Bridgeport Harbor	.07			Metal plating & polishing	P
	Bullard Company	Fairfield	Ash Creek	.42			Metal plating & polishing	C
	Corm. Light & Power	Norwal k	Long Island Sound	316.0			Elec. power	C
101 Fairfield	Machlett Laboratory	Stamford	Springdale River	"1.30			Metal plating & polishing	C
	Electrolux	Greenwich	Long Island Sound	.08			Metal service	C
	GAF Corporation	Greenwich	Byram River	2.61			Felt goods	C
NEW YORK								
133 Nassau	Long Island Lighting	No. Hempstead	Hempstead Harbor				Elec.power	
	Long Island Tungsten	No. Hemps tead	Glen Cove Creek				Metal	
	Powers Chemco Inc.	No.Hempstead	Glen Cove Creek				Organic chemicals	
133 Suffolk	Long Island Lighting	Huntingdon	Long Island Sound				Elec. power	
	Long Island Lighting	Brookhaven	Port Jefferson				Elec. power	

[a] indicates status for compliance to Connecticut State effluent and ambient water quality criteria as of Jan. 1974:
C = have instituted treatment procedures in compliance with state regulations
P = are in the process of meeting state regulations
N= not in compliance; negotiating with the state

[b] Figures from 1960 data.

SOURCES: Corm. Department of Environmental Protection, Division of Water Compliance, draft report to New England River Basins Commission for the Long Island Sound Study, 1974. U.S. Department of Interior, FWQA, 1970, Comprehensive Water and Related Land Resources, Connecticut River Basin, Appendix D.

LONG ISLAND, SOUND

Table 17-22 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION

Basin/ County	Industry	Town	Receiving Water	Vol. of Waste MGD	P.E. of B. O. D./ day	P.E. Of SS/day	Other Charact. Of Discharge	Existing Treatment
CONN. (Con'd)								
103 New Haven	Anaconda American Brass	Ansonia	Naugutuck River	2.64			Metal plating & polishing	c
	Hull Dye and Print Work:	Shelton	Housatonic River	1.96			Textile mill.	P
	W. E. Basset Company	Derby	Housatonic River	.05			Metal plating & finishing	c
102 Fairfield	B. F. Goodrich Company	Shelton	Housatonic River	19.6			Fabricated rubber	P
102 New Haven,	U.S.M. . .Corp	Orange/Derby	Housatonic River	.16			Metal plating & polishing	P
102 Fairfield	Chromium Process Company	Shelton	Housatonic River	.32			Metal plating & polishing	P
	Dresser Industries	Strafford	Housatonic River	.20			Metal plating & polishing	C
	Raybestos-Manhattan	Strafford	Ferry Creek	1.92			Asbestos	c
	Contract Plating Co.Inc	Strafford	Long Brook	.24			Metal plating & polishing	P
	Avco: Lycoming	Strafford	Housatonic River	3.74				P
	Chemical Plating Company	Bridgeport	Bruce Brook	.21			Metal plating & polishing	P
	Bridgeport Rolling Mills	Bridgeport	Bruce Brook	.11			Metal plating & polishing	N
	General Electric	Bridgeport	Stillman Pond	13.90			Electric housewares	
	Carpenter Technology Co	Bridgeport	Yelled Mill Creek	3.93			Blast furnace: steel mills	
	United Illuminating Co.	Bridgeport	Bridgeport Harbor	163.75			Elec. power	C
	United Illuminating Co.	Bridgeport	Bridgeport Harbor	560.0			Elec. power	c

NPDES FACILITY LISTING

SORTED BY * ST BASIN MAJOR OR MINOR WATER USE (DESCEND T

NPDES N°	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
[illegible]0000621	SIMPLEX WIRE & CABLE COMPANY	WEST RIVER	011000	NORTH BERWIK	4930		000.32
ME0001562	NORTH BERWICK WATER COMPANY	PERKINS BROOK	011000	NORTH BERWIC	4941		000.10
ME0000868	PORTSMOUTH NAVAL SHIPYARD	PISCATAQUA RIV	011000	KITTERY	3471	M	008.30
ME0002119	PRIME TANNING CO	SALMON FALLS R	011000	BERWICK	3111	M	000.60
ME0000094	EASTERN PLASTICS INDUSTRIES	MOUSAM RIVER	011200	SANFORD	3079		072.00
ME0000329	KITTERY WATER DISTRICT	BASS COVE BASIN	011200	YORK	4941		002.80
ME0000981	KENNEBUNK,K-BUNKPORT WATER DIS	BRANCH BROOK	011200	KENNEBUNK	4941		001.70
ME0001414	SHY BEAVER TROUT PONDS	MARTIN BROOK	011200	HOLLIS	0980		001.60
ME0000035	BIDDEFORD AND SACO WATER CO.	SACO RIVER	011200	BIDDEFORD	4941		001.00
ME0000701	STRAFFORD OF KEZAR FALLS	OSSIPEE RIVER	011200	KEZAR FALLS	9902		000.89
ME0000744	WEST-POINT PEPPERELL INC	SACO RIVER	011200	BIDDEFORD	2200		000.86
ME0001180	CENTRAL ME.POWER-SKELTON HYDRO	SACO RIVER	011200	BUXTON	4912		000.50
ME0002429	SNOW FOOD PROD-DIV BORDEN INC	JONES CREEK	011200	SCARBOROUGH	2031		000.24
ME0001261	SALVADORE CHIAPETTA	DUNSTAN RIVER	011200	SCARBORO	0980		000.15
ME0001228	CENTRAL ME.POWER-CATARACT HYDR	SACO RIVER	011200	SACO	4912		000.10
[illegible]0001287	GOOGINS SHELLFISH	JONES CREEK	011200	SCARBOROUGH	0980		000.09
ME0001431	WATERBORO COMPANY	MOUSAM RIVER	011200	WATERBORO	4930		000.04
ME0002445	KEUFFEL AND ESSER CO	MOUSAM RIVER	011200	KENNEBUNK	3471		000.02
ME0001171	CENTRAL ME.POWER-BONNY EAGLE H	SACO RIVER	011200	HOLLIS	4912		000.01
ME0021491	CENTRAL MAINE POWER-W BUXTON	SACO RIVER	011200	WEST BUXTON	4912		000.01
ME0001401	COLE FARM DAIRY	SACO RIVER	011200	BIDDEFORD	2020		000.01
ME0002151	SACO TANNING CORP.	SACO RIVER	011200	SACO	[illegible]	M	000.80
ME0002127	COLONIAL BOARD CO	SACO RIVER	011200	BUXTON	2631	M	001.00
ME0001406	MAREMONT CORP-NEW ENGLAND DIV	GOOSEFARE BROOK	011200	SACO	3471	M	000.92
ME0001392	BIDDEFORD TEXTILE COMPANY	SACO RIVER	011200	BIDDEFORD	2262	M	000.60
ME0000965	ROCKWOOD-GULF & WESTERN CO	FORE RIVER	011400	SOUTH PORTLA	9903		014.00
	MAINE POWER-CAPE STAT.	FORE RIVER	011400	SOUTH PORTLA	4911		009.20
[illegible]	[illegible] ISH & GAME-CASCO HATCH	MILL BROOK	011400	CASCO	0980		007.20
ME0001040	MAINE-FISH & GAME-N.GLOUCESTER	EDDY BROOK	011400	NEW GLOUCEST	0980		006.56
ME0001121	MAINE-FISH & GAME-DRY MILLS HA	HATCHER BROOK	011400	GRAY	0980		001.60
ME0001741	WM. UNDERWOOD CO, B AND M DIV.	PORTLAND HARBOR	011400	PORTLAND	9903		000.70

04-03-74 U.S. Environmental Protection Agency, Store & Printout March. 1974

Table 17 — [illegible]

NPDES FACILITY LISTING

SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE [illegible]

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NPDES NO	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
ME0000621	SIMPLEX WIRE & CABLE COMPANY	WEST RIVER	011000	NORTH BERWIK	4930		000.3
ME0001562	NORTH BERWICK WATER COMPANY	PERKINS BROOK	011000	NORTH BERWIC	4941		000.1
ME0000868	PORTSMOUTH NAVAL SHIPYARD	[illegible]	[illegible]	[illegible]	[illegible]	M	008.3
ME0002119	PRIME TANNING CO	SALMON FALLS R	011000	BERWICK	3111	M	000.6
ME0000094	EASTERN PLASTICS INDUSTRIES	[illegible]	[illegible]	[illegible]	[illegible]		
ME0000329	KITTERY WATER DISTRICT	BASS COVE BASIN	011200	YORK	4941		002.8
ME0000981	KENNEBUNK,K-BUNKPORT WATER DIS	BRANCH BROOK	011200	KENNEBUNK	4941		001.7
ME0001414	SHY BEAVER TROUT PONDS	MARTIN BROOK	011200	HOLLIS	0980		001.6
ME0000035	BIDDEFORD AND SACO WATER CO.	SACO RIVER	011200	BIDDEFORD	[illegible]		[illegible]
ME0000701	STRATFORD OF KEZAR FALLS	OSSIPEE RIVER	011200	KEZAR FALLS	9902		000.8
ME0000744	WEST-POINT PEPPERELL INC	SACO RIVER	011200	BIDDEFORD	[illegible]		[illegible]
ME0002429	SNOW FOOD PROD-DIV BORDEN INC	JONES CREEK	011200	BUXTON	4912		000.5
ME0001261	SALVADORE CHIAPETTA	DUNSTAN RIVER	011200	SCARBORO	0980		000.1
ME0001328	CENTRAL ME POWER-CATARACT HYDR	SACO RIVER	011200	BIDDEFORD	[illegible]		[illegible]
ME0001431	WATERBORO COMPANY	JONES CREEK	011200	SCARBOROUGH	0980		000.0
ME0001171	CENTRAL ME.POWER-BONNY EAGLE H	SACO RIVER	011200	HOLLIS	4911		000.0
ME0021491	CENTRAL MAINE POWER-W BUXTON	SACO RIVER	011200	WEST BUXTON	4912		000.0
ME0001601	COLE FARM DAIRY	SACO RIVER	011200	BIDDEFORD	3634		000.0
ME0002127	COLONIAL BOARD CO	SACO RIVER	011200	BUXTON	2631	M	001.0
ME0001406	MAREMONT CORP-NEW ENGLAND DIV	GOOSEFARE BROOK	011200	SACO	3471	M	000.9
ME0001392	BIDDEFORD TEXTILE COMPANY	SACO RIVER	011200	BIDDEFORD	[illegible]		[illegible]
ME0000965	ROCKWOOD-GULF & WESTERN CO	FORE RIVER	011400	SOUTH PORTLA	9903		12.00
ME0000264	CENTRAL MAINE POWER-CAPE STAT	FORE RIVER	011400	SOUTH PORTLA	[illegible]		[illegible]
ME0001040	MAINE-FISH & GAME-N.GLOUCESTER	EDDY BROOK	011400	NEW GLOUCEST	0980		006.5
ME0001121	MAINE-FISH & GAME-DRY MILLS HA	HATCHER BROOK	011400	GRAY	0980		001.6
ME0001741	WM. UNDERWOOD CO. R AND M DIV	PORTLAND HARBOR	011400	PORTLAND	9903		000.7

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
ME0000621	SIMPLEX WIRE & CABLE COMPANY	WEST RIVER	011000	NORTH BERWIK	4930		000.32
ME0001562	NORTH BERWICK WATER COMPANY	PERKINS BROOK	011000	NORTH BERWIC	4941		000.10
ME0000868	PORTSMOUTH NAVAL SHIPYARD	PISCATAQUA RIV	011000	KITTERY	3471	M	008.30
ME0002119	PRIME TANNING CO	SALMON FALLS R	011000	BERWICK	3111	M	000.60
ME0000094	EASTERN PLASTICS INDUSTRIES	MOUSAM RIVER	011200	SANFORD	3079		002.00
ME0000329	KITTERY WATER DISTRICT	BASS COVE BASIN	011200	YORK	4941		002.80
ME0000981	KENNEBUNK,K-BUNKPORT WATER DIS	BRANCH BROOK	011200	KENNEBUNK	4941		001.70
ME0001414	SHY BEAVER TROUT PONDS	MARTIN BROOK	011200	HOLLIS	0980		001.60
ME0000035	BIDDEFORD AND SACO WATER CO.	SACO RIVER	011200	BIDDEFORD	4941		001.00
ME0000701	STRAFFORD OF KEZAR FALLS	OSSIPEE RIVER	011200	KEZAR FALLS	9902		000.89
ME0000744	WEST-POINT PEPPERELL INC	SACO RIVER	011200	BIDDEFORD	2200		000.86
ME0001180	CENTRAL ME.POWER-SKELTON HYDRO	SACO RIVER	011200	BUXTON	4912		000.50
ME0002429	SNOW FOOD PROD-DIV BORDEN INC	JONES CREEK	011200	SCARBOROUGH	2031		000.24
ME0001261	SALVADORE CHIAPETTA	DUNSTAN RIVER	011200	SCARBORO	0980		000.15
ME0001228	CENTRAL ME.POWER-CATARACT HYDR	SACO RIVER	011200	SACO	4912		000.10
ME0001287	GOOGINS SHELLFISH	JONES CREEK	011200	SCARBOROUGH	0980		000.09
ME0001431	WATERBORO COMPANY	MOUSAM RIVER	011200	WATERBORO	4930		000.04
ME0002445	KEUFFEL AND ESSER CO	MOUSAM RIVER	011200	KENNEBUNK	3471		000.02
ME0001171	CENTRAL ME.POWER-BONNY EAGLE H	SACO RIVER	011200	HOLLIS	4912		000.01
ME0021491	CENTRAL MAINE POWER-W BUXTON	SACO RIVER	011200	WEST BUXTON	4912		000.01
ME0001601	COLE FARM DAIRY	SACO RIVER	011200	BIDDEFORD	2020		000.01
ME0002151	SACO TANNING CORP.	SACO RIVER	011200	SACO	3110	M	001.80
ME0002127	COLONIAL BOARD CO	SACO RIVER	011200	BUXTON	2631	M	001.00
ME0001406	MAREMONT CORP-NEW ENGLAND DIV	GOOSEFARE BROOK	011200	SACO	3471	M	000.92
ME0001392	BIDDEFORD TEXTILE COMPANY	SACO RIVER	011200	BIDDEFORD	2262	M	000.60
ME0000965	ROCKWOOD-GULF & WESTERN CO	FORE RIVER	011400	SOUTH PORTLA	9903		012.00
ME0000264	CENTRAL MAINE POWER-CAPE STAT.	FORE RIVER	011400	SOUTH PORTLA	4911		009.20
ME0001066	MAINE-FISH & GAME-CASCO HATCH	MILL BROOK	011400	CASCO	0980		007.20
ME0001040	MAINE-FISH & GAME-N.GLOUCESTER	EDDY BROOK	011400	NEW GLOUCEST	0980		006.50
ME0001121	MAINE-FISH & GAME-DRY MILLS HA	HATCHER BROOK	011400	GRAY	0980		001.60
ME0001741	WM. UNDERWOOD CO, B AND M DIV.	PORTLAND HARBOR	011400	PORTLAND	9903		000.70

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March, 1974 — SORTED BY : ST. BASIN. MAJOR OR MINOR. WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
ME0000621	SIMPLEX WIRE & CABLE COMPANY	WEST RIVER	011000	NORTH BERWIK	4930		000.32
ME0001562	NORTH BERWICK WATER COMPANY	PERKINS BROOK	011000	NORTH BERWIC	4941		000.10
ME0000868	PORTSMOUTH NAVAL SHIPYARD	PISCATAQUA RIV	011000	KITTERY	3471	M	008.30
ME0002119	PRIME TANNING CO	SALMON FALLS R	011000	BERWICK	3111	M	000.60
ME0000094	EASTERN PLASTICS INDUSTRIES	MOUSAM RIVER	011200	SANFORD	3079		072.00
ME0000329	KITTERY WATER DISTRICT	BASS COVE BASIN	011200	YORK	4941		002.80
ME0000981	KENNEBUNK,K-BUNKPORT WATER DIS	BRANCH BROOK	011200	KENNEBUNK	4941		001.70
ME0001414	SHY BEAVER TROUT PONDS	MARTIN BROOK	011200	HOLLIS	0980		001.60
ME0000035	BIDDEFORD AND SACO WATER CO.	SACO RIVER	011200	BIDDEFORD	4941		001.00
ME0000701	STRAFFORD OF KEZAR FALLS	OSSIPEE RIVER	011200	KEZAR FALLS	9902		000.89
ME0000744	WEST-POINT PEPPERELL INC	SACO RIVER	011200	BIDDEFORD	2200		000.86
ME0001180	CENTRAL ME.POWER-SKELTON HYDRO	SACO RIVER	011200	BUXTON	4912		000.50
ME0002429	SNOW FOOD PROD-DIV BORDEN INC	JONES CREEK	011200	SCARBOROUGH	2031		000.24
ME0001261	SALVADORE CHIAPETTA	DUNSTAN RIVER	011200	SCARBORO	0980		000.15
[illegible]	[illegible]	[illegible]	011200	SCARBOROUGH	0980		000.09
ME0001431	WATERBORO COMPANY	MOUSAM RIVER	011200	WATERBORO	4930		000.04
ME0002445	KEUFFEL AND ESSER CO	MOUSAM RIVER	011200	KENNEBUNK	3471		000.02
ME0001171	CENTRAL ME.POWER-BONNY EAGLE H	SACO RIVER	011200	HOLLIS	4912		000.01
ME0021491	CENTRAL MAINE POWER-W BUXTON	SACO RIVER	011200	WEST BUXTON	4912		000.01
ME0001601	COLE FARM DAIRY	SACO RIVER	011200	BIDDEFORD	2026		000.01
[illegible]	SACO TANNING CORP.	SACO RIVER	011200	SACO	3110	M	001.80
ME0002127	COLONIAL BOARD CO	SACO RIVER	011200	BUXTON	2631	M	001.00
ME0001406	MAREMONT CORP-NEW ENGLAND DIV	GOOSEFARE BROOK	011200	SACO	3471	M	000.92
ME0001392	BIDDEFORD TEXTILE COMPANY	SACO RIVER	011200	BIDDEFORD	2262	M	000.60
ME0000965	ROCKWOOD-GULF & WESTERN CO	FORE RIVER	011400	SOUTH PORTLA	9903		012.00
ME0001058	MAINE-FISH & GAME-CASCO HATCH	MILL BROOK	011400	CASCO	0980		007.20
ME0001048	MAINE-FISH & GAME-GLOUCESTER	FORY BROOK	011400	GLOUCEST	0980		006.50
ME0001121	MAINE-FISH & GAME-DRY MILLS HA	HATCHER BROOK	011400	GRAY	0980		001.60
ME0001741	WM. UNDERWOOD CO, S AND M DIV.	PORTLAND HARBOR	011400	PORTLAND	9903		000.70

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NPDES FACILITY LISTING

SORTED BY * ST BASIN- MAJOR OR MINOR- WATER USE (DESCEND.)

Mar

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
ME0000621	SIMPLEX WIRE & CABLE COMPANY	WEST RIVER	011000	NORTH BERWIK	4930		000.32
ME0001562	NORTH BERWICK WATER COMPANY	PERRINS BROOK	011000	NORTH BERWIC	4941		000.18
ME0000868	PORTSMOUTH NAVAL SHIPYARD	PISCATAQUA RIV	011000	KITTERY	3471	M	008.30
ME0002119	PRIME TANNING CO	SALMON FALLS R	011000	BERWICK	3111	M	000.60
ME0000094	EASTERN PLASTICS INDUSTRIES	MOUSAM RIVER	011200	SANFORD	3079		072.00
ME0000329	KITTERY WATER DISTRICT	BASS COVE BASIN	011200	YORK	4941		002.80
ME0000981	KENNEBUNK,K-BUNKPORT WATER DIS	BRANCH BROOK	011200	KENNEBUNK	4941		001.70
ME0001414	SHY BEAVER TROUT PONDS	MARTIN BROOK	011200	HOLLIS	0980		001.60
ME0000035	BIDDEFORD AND SACO WATER CO.	SACO RIVER	011200	BIDDEFORD	4941		001.00
ME0000701	STRAFFORD OF KEZAR FALLS	OSSIPEE RIVER	011200	KEZAR FALLS	9902		000.89
ME0000744	WEST-POINT PEPPERELL INC	SACO RIVER	011200	BIDDEFORD	2200		009.86
ME0001180	CENTRAL ME.POWER-SKELTON HYDRO	SACO RIVER	011200	BUXTON	4912		000.50
ME0002429	SNOW FOOD PROD-DIV BORDEN INC	JONES CREEK	011200	SCARBOROUGH	2031		000.24
ME0001291	SALVADORE CHIAPETTA	DUNSTAN RIVER	011200	SCARBORO	0980		000.15
ME0001226	CENTRAL ME.POWER-CATARACT HYDR	SACO RIVER	011200	SACO	4912		000.10
ME0001287	GOOGINS SHELLFISH	JONES CREEK	011200	SCARBOROUGH	0980		000.09
ME0001431	WATERBORO COMPANY	MOUSAM RIVER	011200	WATERBORO	4930		000.04
ME0002445	KEUFFEL AND ESSER CO	MOUSAM RIVER	011200	KENNEBUNK	3471		000.02
ME0001171	CENTRAL ME.POWER-SONNY EAGLE H	SACO RIVER	011200	HOLLIS	4912		000.01
ME0021491	CENTRAL MAINE POWER-W BUXTON	SACO RIVER	011200	WEST BUXTON	4912		000.01
ME0001401	COLE FARM DAIRY	SACO RIVER	011200	BIDDEFORD	2020		000.01
ME0002151	SACO TANNING CORP.	SACO RIVER	011200	BUXTON	2631	M	001.00
ME0002127	COLONIAL BOARD CO	SACO RIVER	011200	SACO	3471	M	000.92
ME0001406	MAREMONT CORP-NEW ENGLAND DIV	GOOSEFARE BROOK	011200	BIDDEFORD	2262	M	000.60
ME0001392	BIDDEFORD TEXTILE COMPANY	SACO RIVER	011200	SOUTH PORTLA	9903		012.00
ME0000965	ROCKWOOD-GULF & WESTERN CO	FORE RIVER	011400	SOUTH PORTLA	4911		009.20
ME0000264	CENTRAL MAINE POWER-CAPE STAT.	FORE RIVER	011400	CASCO	0980		007.23
ME0001066	MAINE-FISH & GAME-CASCO HATCH	MILL BROOK	011400	NEW GLOUCEST	0980		006.50
ME0001040	MAINE-FISH & GAME-N.GLOUCESTER	EDDY BROOK	011400	GRAY	0980		001.60
ME0001121	MAINE-FISH & GAME-DRY MILLS HA	HATCHER BROOK	011400	PORTLAND	9903		000.70
ME0001741	WM. UNDERWOOD CO, B AND M DIV.	PORTLAND HARBOR	011400				

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			MAJ	WATER USE			
	CAN NAME		BA				
ME0000299	KEDDY MFG CO-DIV GRINNELL CORP	PRESUMPSCOT RIV	011400	SOUTH WINDHM	9906		000.56
[illegible]	PINE STATE BY-PRODUCTS	FORE RIVER	011400	SOUTH PORTLD	2040		000.25
[illegible]	MAINE FISHERIES CORP.	PORTLAND HARBOR	011400	PORTLAND	2036		000.22
ME0001341	THREE RIVERS CO.	QUAHOG BAY	011400	EAST HARPSWE	2036		000.20
ME0002399	GTE SYLVANIA-CONTROL DEVICES	LITTLE RIVER	011400	STANDISH	3646		000.11
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
ME0000515	R.J. PEACOCK CANNING CO	PORTLAND HRB	011400	PORTLAND	9906		000.07
ME0001244	CENTRAL ME.POWER-BAR MILLS HYD	SACO RIVER	011400	HOLLIS CENTE	4912		000.07
ME0001503	PORTLAND SEBAGO OIL & ICE---	PORTLAND HARBOR	011400	PORTLAND	4930		000.05
ME0000604	SCANDIA SEA FOOD	MACKERAL COVE	011400	BAILEY ISLAN	2031		000.05
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
ME0001147	CENTRAL ME.POWER-HIRAM HYDRO	SACO RIVER	011400	BALDWIN	4912		000.04
ME0001422	GENERAL ELECTRIC-S.PORTLAND	FORE RIVER	011400	SOUTH PORTLA	3511		000.04
ME0000779	CENTRAL WHARF FISHERIES INC	PORTLAND HARBOR	011400	PORTLAND	2036		000.02
ME0000485	MOBIL OIL-SOUTH PORTLAND	FORE RIVER	011400	SOUTH PORTLA	5092		000.01
ME0000230	GULF OIL-PORTLAND	FORE RIVER	011400	PORTLAND	5092		000.01
ME0000434	MEGAW INDUSTRIES	FORE RIVER	011400	PORTLAND	9902		000.01
[illegible]	[illegible]	[illegible]	011400	SOUTH WINDHA	3264		000.01
ME0000627	BANCROFT & MARTIN	FORE RIVER	011400	SOUTH PORTLA	9999		000.01
[illegible]	[illegible]	[illegible]	011400	PORTLAND	2094		000.01
ME0000043	COOK CONCRETE CO.	CASCO BAY	011400	PORTLAND	3200		000.01
ME0001821	B. P. OIL-STANDARD OIL COMPANY	FORE RIVER	011400	PORTLAND	5092		000.01
ME0001394	L. C. ANDREW, INC.	SURFACE DRAIN	011400	WINDHAM	4930		000.01
ME0001350	AMETEK, INC.	PORTLAND HARBOR	011400	SOUTH PORTLA	9906		000.01
ME0001775	AMERICAN OIL CO.	FORE RIVER	011400	SOUTH PORTLA	5092		000.01
ME0002658	[illegible]	FORE RIVER	011400	SOUTH PORTLA	5092		000.01
ME0002666	PORTLAND PIPE LINE CORP	ANTHOINE CREEK	011400	SOUTH PORTLA	4613		000.01
[illegible]	LANDSMAN PACKING	PORTLAND HARBOR	011400	PORTLAND	2090		000.01
ME0002372	SHELL OIL CO	FORE RIVER	011400	SOUTH PORTLA	5092		000.01
ME0002356	CITIES SERVICE OIL-S. PORTLAND	FORE RIVER	011400	SOUTH PORTLA	5092		000.01
ME0001007	HARVEY F. GAMAGE, SHIPBUILDER	S.BRISTON HARB	011400	SOUTH BRISTO	9902		000.00
ME0002470	KING RESOURCES COMPANY	CASCO BAY	011400	PORTLAND	5092		000.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
ME0000272	CENTRAL MAINE POWER-WYMAN STA.	CASCO BAY	011400	YARMOUTH	4911	M	113.00
ME0002321	S.D.WARREN CO-SCOTT PAPER CO.	PRESUMPSCOT RIV	011400	WESTBROOK	2600	M	026.00
ME0000671	STAUFFER CHEMICAL COMPANY	PORTLAND HARBOR	011400	SOUTH PORTLA	2833	M	000.31
ME0000957	BRUNSWICK & TOPHAM WATER DIST.	ANDROSCOGGIN R	011500	BRUNSWICK	4941		002.00
ME0002577	HESSEY FOODS CORP.	NEZINSCOT RIVER	011500	BUCKFIELD	2033		000.90
ME0002607	BEBBE RUBBER CO-WEBSTER DIV	SABATTUS RIVER	011500	SABATTUS	4930		000.40
ME0001520	MECHANIC FALLS WATER CO	RANGE BROOK	011500	MECHANIC FAL	4941		000.36
ME0002615	GENERAL ELECTRIC-AUBURN	LITTLE ANDROSCO	011500	AUBURN	3471		000.20
ME0001813	BONAN FOOTWEAR CO	LITTLE ANDROSCO	011500	AUBURN	3020		000.19

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NPDES NO	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
ME0001015	MAINE ELECTRONICS	SABATTUS RIVER	011500	LISBON	3679		000.15
ME0000680	A L STEWART & SONS	ANDROSCOGGIN	011500	PARIS	2033		000.05
ME0000558	OXFORD ABATTOIR	ANDROSCOGGIN	011500	OXFORD	9901		000.01
ME0002089	PEJEPSCOT PAPER-HEARST CORP	ANDROSCOGGIN	011500	TOPSHAM	4930		000.01
ME0000493	NAVAL AIR STATION-BRUNSWICK	MERE BROOK	011500	BRUNSWICK	4582		000.01
ME0021482	CENTRAL MAINE POWER-BRUNSWICK	ANDROSCOGGIN R	011500				
ME0021458	LOCUST FARM DAIRY	SACO RIVER	011500	LIMINGTON	2026		000.01
ME0001589	COTES DAIRY	STETSON BROOK	011500	LEWISTON	9901		000.01
ME0001317	BRINDIS LEATHER CO.	WHITNEY BROOK	011500	CANTON	3110		000.01
ME0000426	MEXICO WATER DIST	SWIFT RIVER	011500	MEXICO	4941		000.00
ME0001848	DIAMOND NATIONAL CRP-DIA.MATCH	ANDROSCOGGIN R	011500	WEST PERU	4930		000.00
ME0002054	OXFORD PAPER CO-ETHYL CORP.	ANDROSCOGGIN	011500	RUMFORD	2600	M	046.00
ME0001937	INTERNATIONAL PAPER-ANDRO.MILL	ANDROSCOGGIN	011500	JAY	2621	M	030.00
ME0001929	INTERNATIONAL PAPER-OTIS MILL	ANDROSCOGGIN	011500	CHISHOLM	2600	M	016.00
ME0002071	PEJEPSCOT PAPER-HEARST CORP.	ANDROSCOGGIN	011500	TOPSHAM	2600	M	004.00
ME0002011	MARCAL PAPER MILLS INC	LITTLE ANDROSCO	011500	MECHANIC FAL	2621	M	003.10
ME0000540	PIONEER PLASTICS CORP	LITTLE ANDROSCO	011500	AUBURN	2820	M	002.00
ME0002526	ROBINSON MFG. CO.	LITTLE ANDROSCO	011500	OXFORD	2231	M	001.70
ME0002241	UNITED STATES GYPSUM COMPANY	ANDROSCOGGIN R	011500	LISBON FALLS	2661	M	001.20
ME0000311	A.C.LAWRENCE LEATHER CO.-SWIFT	LITTLE ANDROSCO	011500	SOUTH PARIS	3110	M	000.96
ME0001791	BATES FABRICS	ANDROSCOGGIN R	011500	LEWISTON	2211	M	000.41
ME0001597	MAX MILLER CO-LISBON FALLS	ANDROSCOGGIN R	011500	LISBON FALLS	2200	M	000.17
ME0002496	MAX MILLER & CO.-JULIET MILLS	SABATTUS RIVER	011500	LISBON CENTR	2200	M	000.12
ME0001988	W.S. LIBBEY CO	ANDROSCOGGIN	011500	LEWISTON	2200	M	000.10
ME0001139	MAINE-FISH & GAME-EMBDEN STAT	MILL STREAM	011600	EMBDEN	0980		007.20
ME0001074	MAINE-FISH & GAME-PALERMO STAT	SHEEPSCOT	011600	PALERMO	0980		007.20
ME0001236	CENTRAL ME.POWER-HARRIS HYDRO	KENNEBEC RIVER	011600	THE FORKS	4912		003.60
ME0001490	CEDAR SPRINGS TROUT FARM	BRACKET BROOK	011600	PALMYRA	0980		001.60
ME0001155	CENTRAL ME.POWER-WYMAN HYDRO	KENNEBEC RIVER	011600	MOSCOW	4912		001.00
ME0001091	MAINE-FISH & GAME-GOVERNOR HAT	SPRING BROOK	011600	AUGUSTA	0980		000.79
ME0001058	MAINE-FISH & GAME-PHILLIPS STA	UNNAMED BROOK	011600	PHILLIPS	0980		000.70
ME0001198	CENTRAL ME.POWER-WILLIAMS HYDR	KENNEBEC RIVER	011600	EMBDEN	4912		000.50
ME0001732	BATH IRON WORKS CORP.	KENNEBEC RIVER	011600	BATH	4930		000.33
ME0001945	INMONT CORPORATION	LAKE MARANACOOK	011600	WINTHROP	4930		000.28
ME0001252	CENTRAL ME.POWER-RICE RIPS HYD	MESSALONSKEE	011600	OAKLAND	4912		000.27
ME0001210	CENTRAL ME.POWER-WESTON HYDRO	KENNEBEC	011600	SKOWHEGAN	4912		000.20
ME0000736	VETERANS ADMINISTRATION CTR	TOGUS STREAM	011600	TOGUS	8061		000.19
ME0000124	CIANCHETTE CONCRETE CORP	KENNEBEC RIVER	011600	FAIRFIELD	1442		000.12
ME0021474	CENTRAL MAINE POWER-FARMING	KENNEBEC RIVER	011600	FARMINGDALE	4911		000.12
ME0000060	DIAMOND NATIONAL CRP/DIA.MATCH	MESSALONSKEE	011600	OAKLAND	4930		000.11
ME0000850	CIANBRO CORP	W SEBASTICOOK	011600	PALYMYRA	1442		000.10
ME0000949	BATH CANNING CO	KENNEBEC RIVER	011600	BATH	2031		000.10
ME0002313	WISCASSET	WARD BROOK	011600	WISCASSET	4941		000.07
ME0002135	RED-E-MIX, INC	SANDY RIVER	011600	FARMINGTON	1440		000.05
ME0001163	CENTRAL ME.POWER-CASCADE HYDRO	MESSALONSKEE	011600	OAKLAND	4912		000.05

NPDES FACILITY LISTING

SORTED BY # ST. BASIN, MAJOR OR MINOR, WATER USE (PRIMARY)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
		NO NAME	011600	SKOWHEGAN	4941		000.05
ME0001201	CENTRAL ME.POWER-SHAWMUT HYDRO	KENNEBEC RIVER	011600	FAIRFIELD	4912		000.04
ME0000884	EXXON OIL--HALLOWELL TERMINAL	KENNEBEC RIVER	011600	HALLOWELL	5092		000.04
	MINERAL SPRINGS TROUT POND	STREAM	011600		0980		000.04
ME0000141	FOSTER MFG. CO.	WILSON STREAM	011600	WILTON	4930		000.03
ME0000191	FOSTER MFG CO INC	SANDY RIVER	011600	STRONG	4930		000.02
ME0000574	PURELAC DAIRY	KENNEBEC RIVER	011600	WINSLOW	2020		000.02
ME0000132	COLLAGEN CORP.,NEWPORT	SEBASTICOOK RV	011600	NEWPORT	9999		000.01
ME0001783	ASHLAND OIL,WARREN BROTHERS	KENNEBEC RIVER	011600	BENTON	9902		000.01
ME0000116	CASCADE WOOLEN MILL						
ME0001279	H. G. WINTER & SONS	CARRABASSETT	011600	KINGFIELD	9911		000.01
ME0002585	MORTON-NORWICH PROD-ME.BIOLOG.	NONE	011600	WINSLOW	2830		000.01
ME0000973	REDI-PEELED POTATO CORP	SANDY STREAM	011600	UNITY	2099		000.01
ME0002453	ROBINSON WHARF INC	TOWNSEND	011600	SOUTHPORT	2031		000.01
ME0001643	YANKEE MILK CO	MILL STREAM	011600	ALBION	5043		000.01
ME0021466	EASTLAND WOOLEN MILL	SEBASTICOOK R	011600	CORINNA	0000		000.00
ME0002518	SMILEY'S DAIRY	NOT STATED	011600	WATERVILLE	9903		000.00
	SEBASCO ESTATES FOODS						
ME0001996	MAINE CENTRAL RAILROAD CO	KENNEBEC RIVER	011600	WATERVILLE	2813		000.00
ME0001899	GUILFORD INDUSTRIES INC	SEBASTICOOK RIV	011600	NEWPORT	4930		000.00
ME0000469	MOBIL OIL-HALLOWELL	KENNEBEC RIVER	011600	HALLOWELL	9902		000.00
ME0000655	SCANDIA SEA FOOD COMPANY	SHEEPSCOT BAY	011600	GEORGETOWN	2031		000.00
ME0002569	CENTRAL ME. POWER-YANKEE NUCL	BACK RIVER	011600	WISCASSET	4913	M	662.00
ME0000256	CENTRAL MAINE POWER-MASON STA.	SHEEPSCOTT RIV	011600	WISCASSET	4911	M	107.00
ME0002178	SCOTT PAPER COMPANY	KENNEBEC RIVER	011600	WINSLOW	2600	M	033.00
ME0002224	STATLER INDUSTRIES INC	KENNEBEC RIVER	011600	AUGUSTA	2600	M	014.00
ME0000337	KEYES FIBRE-WATERVILLE PLANT	KENNEBEC RIVER	011600	WATERVILLE	2646	M	004.20
ME0000302	KEYES FIBRE CO-SHAWMUT PLT.	KENNEBEC RIVER	011600	SHAWMUT	2611	M	003.10
ME0002534	KENNEBEC RIVER PULP & PAPER	KENNEBEC RIVER	011600	MADISON	2671	M	003.00
	WYANDOTTE INDUSTRIES CO	KENNEBEC RIVER	011600		2869	M	001.50
	HARTLAND TANNING CO-IRVING TAN	SEBASTICOOK	011600	HARTLAND	3110	M	001.20
ME0002542	YORKTOWNE PAPER MILLS OF ME	CORRDESSECONTEE	011600	GARDINER	2621	M	000.37
	AMOS ABBOTT	SEBASTICOOK RIV	011600	DEXTER	2231	M	000.39
ME0001805	BATES MANUF.--EDWARDS DIV.	KENNEBEC RIVER	011600	AUGUSTA	2211	M	000.24
ME0000752	WILTON TANNING CO	WILSON STREAM	011600	EAST WILTON	3110	M	000.11
	GLOBE ALBANY CORP	WILSON STREAM	011600	SOUTH WINDSOR	2865	M	000.05
	EDWARDS COMPANY	SEBASTICOOK	011600	PITTSFIELD	3471	M	000.05
ME0021504	BANGOR HYDRO-ELECT-GRAHAM	PENOBSCOT RIVER	011700	DEXTER	4911		000.04
ME0001104	MAINE-FISH & GAME-ENFIELD HAT	COLD STREAM	011700	ENFIELD	0980		001.20
ME0001678	BANGOR HYDRO-ELECT-MILFORD HYD	PENOBSCOT RIVER	011700	MILFORD	4911		000.96
ME0001716	BANGOR	PENOBSCOT RIVER	011700	HOWLAND	4911		000.80
ME0001708	BANGOR HYDRO-ELECT-STANFORD HY	PENOBSCOT RIVER	011700	WEST ENFIELD	4912		001.60
ME0001546	PENOBSCOT COUNTY WATER CO	STILL WATER	011700	ORONO	4941		001.20
ME0001694	BANGOR HYDRO-ELECT-ROWLAND HYD	PISCATAQUIS RIV	011700	ROWLAND	4912		001.10
ME0001686	BANGOR			OLD TOWN			
	LANE CONSTRUCTION CO	PENOBSCOT	011700	HAMPDEN	3446		000.08

NPDES FACILITY LISTING

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
ME0000841	KENNETH M BARNETT ENT INC	MILLINOCKET STR	011700	MILLINOCKET	7215		000.25
ME0001333	PENOBSCOT BAY SHELLFISH ASSOC.	MILL POND	011700	STOCKTON SPR	0980		000.15
ME0001856	STEIN-HALL(CELANESE)-IS. FALL	MATTAWAMKEAG RV	011700	ISLAND FALLS	2046		000.12
ME0000817	STRIAR TEXTILE MILL	PENOBSCOT	011700	ORONO	9904		000.07
ME0000183	FOSTER MFG CO INC	PENOBSCOT RIVER	011700	MATTAWAMKEAG	4930		000.03
			1700	BUCKSPORT	5092		000.03
ME0002194	C.H.SPRAGUE & SON COMPANY	PENOBSCOT RIVER	011700	BREWER	5092		000.03
ME0000418	BANGOR & AROOSTOOK RAILROAD CO	PISCATAQUIS RIV	011700	MILO	4011		000.01
ME0000205	J.M.HUBER CORP	FISH STREAM	011700	PATTEN	2432		000.01
ME0002267	TEXACO-BANGOR,MAINE	PENOBSCOT RIVER	011700	HAMPDEN	5092		000.01
ME0000990	SNOW & NEALLY COMPANY	PENOBSCOT RIVER	011700	HAMPDEN	9911		000.01
ME0001457	WEBBER TANKS	PENOBSCOT RIVER	011700	BUCKSPORT	5092		000.00
ME0001651	BANGOR HYDRO-ELECTRIC CO	PENOBSCOT RIVER	011700	VEAZIE	4912		000.00
ME0000477	MOBIL OIL-BANGOR	PENOBSCOT RIVER	011700	BANGOR	5092		000.00
ME0000698	SULPHUR TERMINAL CO INC	PENOBSCOT RIVER	011700	BUCKSPORT	9902		000.00
ME0000167	GREAT NORTHERN PAPER-MILLINOCK	PENOBSCOT RIVER	011700	BAILEYVILLE	2621	M	136.00
ME0002020	DIAMOND INTERNATIONAL CORP	PENOBSCOT RIVER	011700	OLD TOWN	2600	M	031.00
ME0000175	GREAT NORTHERN PAPER-E.MILLINO	PENOBSCOT RIVER	011700	EAST MILLINO	2621	M	028.00
ME0002003	LINCOLN PULP & PAPER CO INC	PENOBSCOT RIVER	011700	LINCOLN	2600	M	014.00
ME0002160	ST. REGIS PAPER-BUCKSPORT	PENOBSCOT RIVER	011700	BUCKSPORT	2600	M	011.00
ME0000639	SOBIN CHLOR-ALKALI INC	PENOBSCOT RIVER	011700	ORRINGTON	2812	M	004.50
ME0000086	EASTERN FINE PAPER	PENOBSCOT RIVER	011700	BREWER	2621	M	002.90
ME0001902	GUILDFORD INDUSTRIES INC	PISCATAQUIS RIV	011700	GUILFORD	2200	M	000.80
ME0000281	PINE TREE TANNING-IRVING TANNI	PENOBSCOT RIVER	011700	HOWLAND	9906	M	000.80
ME0002046	OLD TOWN PULP PROD-LILY-TULIP	PENOBSCOT RIVER	011700	OLD TOWN	2646	M	000.59
ME0001449	MAINE LEATHER CO	PISCATAQUIS	011700	DOVER-FOXCRO	9906	M	000.20
ME0002623	GREEN LAKE NAT. HATCHERY	REEDS BROOK	011800	ELLSWORTH	0980		015.00
ME0002437	CRAIG BROOK NAT FISH HATCHERY	ALAMOOSOOK LAKE	011800	ORLAND	0980		004.30
ME0002631	KERRAMERICAN-BLUE HILL	CARLETON STREAM	011800	BLUE HILL	1021		001.60
	SECTA CHEMICALS	STOCKTON HARBOR	011800	SEARSPORT	4930		001.50
ME0002640	BANGOR HYDRO-ELECT-E.MACHIAS	EAST MACHIAS R	011800	EAST MACHIAS	4911		001.10
ME0001023	MAINE FISH & GAME-DEBLOIS POOL	BOG STREAM	011800	DEBLOIS	0980		000.74
ME0000078	DRAGON CEMENT-MARTIN MARIETTA	ST GEORGE RIVER	011800	THOMASTON	3241		000.74
ME0001627	WINDJAMMER SEA FARMING CORP.	MUSCONGUS SOUND	011800	BRISTOL	2036		000.60
ME0001953	JASPER WYMAN & SONS	NARRAGUAGUS RIV	011800	CHERRYFIELD	2033		000.58
ME0002348	CALLAHAN MINING CORPORATION	PENOBSCOT RIV	011800	BROOKSVILLE	1021		000.52
ME0002097	U.S. NAVAL RADIO STA.(T)CUTLER	MACHIAS BAY	011800	CUTLER	4930		000.50
ME0000531	PORT CLYDE PACKING CO.	ROCKLAND HARBOR	011800	ROCKLAND	2031		000.40
ME0000213	HOLMES PACKING CORP	ROCKLAND HARBOR	011800	ROCKLAND	2031		000.39
ME0000795	STORINGTON PACKING CO.	STONINGTON BRK	011800	STONINGTON	2031		000.27
ME0002232	A.L. STEWART & SONS	NARRAGUAGUS RIV	011800	CHERRYFIELD	2033		000.25
ME0000507	NORTH LUBEC MFG & CAN-N. LUBEC	JOHNSON BAY	011800	LUBEC	9906		000.24
ME0001031	MAINE FISH & GAME-DEBLOIS HATC	HATCHERY BROOK	011800	DEBLOIS	0980		000.24
ME0000221	HOLMES PACKING CORP	FRIAR ROADS	011800	EASTPORT	2031		000.23
ME0000451	NORTH LUBEC MFG & CAN-ROCKLAND	ROCKLAND HARBOR	011800	ROCKLAND	2031		000.22

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NPDES FACILITY LISTING

SORTED BY : ST. BASIN, MAJOR OR MINOR, WATER USE (DESCEND)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
ME0000764	D R WILSON FISHERIES	FRIAR ROADS	011800	EASTPORT	2031		000.20
ME0002038	MEDOMAK CANNING CO.	MEDOMAK RIVER	011800	WALDOBORO	2033		000.17
ME0002411	BOOTH FISHERIES INC-LUBEC	JOHNSON BAY	011800	LUBEC	2036		000.17
ME0000345	MACHIASPORT PACKING & CANNING	MACHIAS RIVER	011800	MACHIASPORT	2031		000.14
ME0001309	NATIONAL SEA PRODUCTS	ROCKLAND HARBOR	011800	GREENVILLE	2036		000.13
ME0000922	ADDISON PACKING CO	SOUTHWEST HARB	011800	SOUTHWEST HA	2031		000.12
[illegible]	[illegible]	NARRAGUAGUS BAY	011800	MILLBRIDGE	2031		000.12
ME0000710	STINSON CANNING CO	PROSPECT HARBOR	011800	PROSPECT HAR	2031		000.10
ME0002402	CAMDEN TANNING CORP.	MEGUNTICOOK	011800	CAMDEN	3110		000.10
ME0001376	KERRAMERICAN, INC.	CABLETON STREAM	011800	BLUE HILL	9902		000.10
ME0002381	GTE SYLVANIA INC	MEDOMAK RIVER	011800	WALDOBORO	3600		000.09
ME0000396	MEARL CORP. EASTPOR PLANT	BROAD COVE	011800	EASTPORT	2094		000.09
ME0002305	JASPER WYMAN						
ME0000663	R. B. AND C. G. STEVENS	CROSS COVE	011800	JONESPORT	2031		000.08
ME0000523	R.J. PEACOCK CANNING CO	LUBEC NARROWS	011800	LUBEC	9906		000.07
ME0000914	BELFAST CANNING CO	BELFAST BAY	011800	BELFAST	9906		000.07
ME0000876	ROCKLAND SHRIMP CORP	PENOBSCOT BAY	011800	ROCKLAND	2031		000.07
ME0002101	MOOSABEC INC	BASE HARBOR	011800	BASE HARBOR	2031		000.07
ME0001511	ADDISON PACKING--BELFAST DIV	BELFAST BAY	011800	BELFAST	2031		000.05
ME0000612	SEAPRO INC	ROCKLAND HARBOR	011800	ROCKLAND	2042		000.03
ME0002208	C.H. SPRAGUE & SON COMPANY	PENOBSCOT BAY	011800	SEARSPORT	4930		000.03
ME0000906	E. O'HARA & SONS	ROCKLAND HARBOR	011800	ROCKLAND	2036		000.02
[illegible]	SHALE BROTHERS WHARF	NEW HARBOR	011800	BRISTOL	9906		000.01
ME0001368	THREE RIVERS COMPANY	MOOSEBEC REACH	011800	JONESPORT	2031		000.01
ME0000931	MEARL CORP-ESTES HEAD PLANT	PASSAMAQUODDY	011800	EASTPORT	2031		000.01
ME0000442	MEARL CORP	ROCKLAND HARBOR	011800	ROCKLAND	2814		000.01
ME0001767	AMERICAN CAN CO. LUBEC	JOHNSON BAY	011800	LUBEC	9906		000.01
ME0000019	ARGENTA PRODUCTS CO.	PASSAMAQUODDY	011800	EASTPORT	2854		000.01
ME0000833	D E DICKERSON CO INC	CARVERS HARBOR	011800	VINAL HAVEN	2036		000.01
ME0002330	SEARSPORT POL RETAIL DIS. STA.	PENOBSCOT RIVER	011800	SEARSPORT	5092		000.01
ME0002275	TEXACO-BELFAST,MAINE	PASSAGASSAWAKEA	011800	BELFAST	9906		000.01
ME0000388	MCCURDY FISH CO	LUBEC NARROWS	011800	LUBEC	2092		000.01
ME0000582	ROCKLAND-ROCKPORT LIME CO INC	ROCKLAND HARBOR	011800	ROCKLAND	9906		000.00
ME0002461	SHELL OIL-SEARSPORT MARKETING	PENOBSCOT BAY	011800	SEARSPORT	5092		000.00
ME0001571	LINEKIN HEIGHTS ASSO.POOL	LINEKIN BAY	011800	BOOTHBAY HAR	7949		000.00
ME0001635	MOUNT DESERT ISL. BIO-LAB.	EASTERN BAY	011800	BAR HARBOR	9999		000.00
ME0000400	MARINE COLLOIDS INC	ROCKLAND HARBOR	011800	ROCKLAND	2833	M	004.10
ME0000370	MAPLEWOOD PACKING CO	BELFAST BAY	011800	BELFAST	2015	M	001.10

NPDES FACILITY [illegible]

SORTED BY 4 - ST. BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
NH0000621	BERLIN NAT. FISH HATCHERY	YORK POND	010400	BERLIN	0980		005.30
NH0001252	COLD RIVER SAND & GRAVEL CORP	COLD RIVER	010400	NORTH WALPOL	1442		001.00
NH0000108	DORR WOOLEN CO	SUGAR RIVER	010400	NEWPORT	9901		001.00
NH0000744	N H FISH & GAME DEPT	CORROLLS STREAM	010400	WHITEFIELD	0980		000.69
NH0001619	U.S.ARMY COLD REGION RES LAB	CONNECTICUT RIV	010400	HANOVER	4930		000.40
NH0000701	N.H. FISH & GAME DEPT.	RICE BROOK	010400	RICHMOND	0980		000.29
NH0000726	N H FISH & GAME DEPT	MOHAWK RIVER	010400	COLEBROOK	0980		000.15
NH0001538	COLD RIVER HOT MIX CORP	BRANCH RIVER	010400	KEENE	2951		000.12
NH0001244	COLD RIVER HOT MIX CORP	COLD RIVER	010400	NORTH WALPOL	2951		000.12
NH0000175	JOY MANUFACTURING CO.	SUGAR RIVER	010400	CLAREMONT	4930		000.11
NH0000248	MPB CORP SPLIT BALLBEARING DIV	NASCOMA RIVER	010400	LEBANON	3560		000.09
NH0000671	KINGSBURY MACHINE TOOL CORP	BEAVER BROOK	010400	KEENE	3500		000.09
NH0000680	STURM, RUGER & CO INC	SUGAR RIVER	010400	NEWPORT	4930		000.07
NH0000302	NORTON CO NORTON-PIKE DIV	BAKER BROOK	010400	LITTLETON	3200		000.07
NH0000191	LEBANON WATER DEPT.	MASCOMA RIVER	010400	LEBANON	4941		000.03
NH0000868	WHITNEY BROTHERS CO.	MINNEWAWA RIVER	010400	MARLBOROUGH	9911		000.01
NH0000914	A. HENKEL MFG. CORP.	BEAVER BROOK	010400	KEENE	3471		000.01
NH0000094	DENSMORE BRICK COMPANY	MASCOMA RIVER	010400	LEBANON	3251		000.01
NH0020214	MPB CORPORATION	BRANCH					
NH0001228	BOSTON & MAINE CORP	CONNECTICUT RIV	010400	WEST LEBANON	9906		000.01
NH0001562	GROVETON PAPERS CO	CONNECTICUT RIV	010400	NORTHUMBERLA	2600	M	017.00
NH0001210	BEMIS CO-CLAREMONT PAPER MILL	SUGAR RIVER	010400	CLAREMONT	2621	M	003.00
NH0001554	HINSDALE PRODUCTS	ASHUELOT	010400	HINSDALE	2621	M	001.60
NH0001261	COY PAPER CO.	SUGAR RIVER	010400	CLAREMONT	2600	M	001.50
NH0000311	PAPER SERVICE MILLS, INC.	ASHUELOT	010400	WINCHESTER	2600	M	001.50
NH0001180	ASHUELOT PAPER CO.	ASHUELOT	010400	WINCHESTER	2621	M	001.20
NH0001589	HOMESTEAD WOOLEN MILLS INC	ASHUELOT	010400	WEST SWANZEY	2200	M	000.70
NH0000434	G.E. ROBERTSON & CO	ASHUELOT	010400	HINSDALE	2621	M	000.55
NH0000183	A.C.LAWRENCE LEATHER CO.	ASHUELOT	010400	WINCHESTER	3110	M	000.40
NH0001279	DARTMOUTH WOOLEN MILLS INC	SUGAR RIVER	010400	CLAREMONT	2200	M	000.29
NH0000825	CENTRAL SCREW CO.	ASHUELOT	010400	KEENE	3452	M	000.10
NH0000523	TROY MILLS INC	ASHUELOT-S.BRAN	010400	TROY	2200	M	000.07
NH0001457	P.S.CO.OF NH-MANCHESTER	MERRIMACK	010900	MANCHESTER	4911		046.00
NH0001465	P.S.CO.OF NH-MERRIMACK	MERRIMACK	010900	BOW	4911		028.00
NH0001198	W. CO.	[illegible]	[illegible]	NASHUA	9902		020.00

NPDES FACILITY LISTING

SORTED BY [illegible] ST BASIN MAJOR OR MINOR WATER USE (OPTION 1

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAXIMUM MGD
NH0001449	P&S.CO.OF NH-KELLEY HYDRO	PISCATAQUOG	010900	MANCHESTER	9906	015.00
NH0000124	FRANCONIA MFG [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NH0000027	ANHEUSER-BUSH, INC.	MERRIMACK	010900	MERRIMACK	4930	002.50
NH0000639	NASHUA NAT. FISH HATCHERY	NASHUA RIVER	010900	NASHUA	0980	002.10
NH0001040	MANCHESTER WATER FILT. PLANT	HOP BROOK	010900	MANCHESTER	4941	001.70
NH0000752	N.H. FISH & GAME DEPT	PEMIGEWASSETT	010900	NEW HAMPTON	9999	001.25
[illegible]	[illegible]	[illegible]	010900	FRANKLIN	0980	001.00
NH0000591	HAMPSHIRE CHEM-WR GRACE & CO	MERRIMACK	010900	NASHUA	2818	000.43
NH0000817	NYANZA INC.	SOUHEGAN RIVER	010900	MERRIMACK	4930	000.30
NH0001171	GRANITE STATE PACKING	MERRIMACK RIVER	010900	MANCHESTER	2013	000.30
NH0001376	HITCHINER MANUFACTURING CO INC	SOUHEGAN RIVER	010900	MILFORD	3320	000.30
NH0000671	WAUMBEC MILLS INC	MERRIMACK	010900	MANCHESTER	2300	000.21
[illegible]	N.H. FISH & GAME DEPT	MERRIMACK	010900	MERRIMACK	9906	000.18
NH0000141	JOHN MANVILLE PRODUCTS CORP.	NASHUA RIVER	010900	NASHUA	3296	000.17
NH0001384	GOODELL COMPANY	GREAT BROOK	010900	ANTRIM	3400	000.15
NH0001325	GTE-SYLVANIA INC MINIATURE LGT	CONTOOCOOK	010900	HILLSBORO	3641	000.14
NH0001317	NORTH AMERICAN ROCKWELL CORP	PEMIGEWASSET	010900	CAMPTON	4930	000.14
NH0000272	N.H. BALL BEARINGS, INC.	CONTOOCOOK	010900	PETERBOROUGH	3562	000.13
NH0000809	GREAT AMERICAN PLASTICS CO	NASHUA RIVER	010900	NASHUA	4930	000.12
NH0000493	JOHN SWENSON GRANITE CO INC	NONE	010900	CONCORD	3281	000.12
NH0000400	LINCOLN WASTE TREATMENT	PEMIGEWASSET	010900	LINCOLN	2600	000.11
NH0000256	NASHUA NH FOUNDATION	NASHUA RIVER	010900	NASHUA	4930	000.10
NH0000973	PILGRIM FOODS INC.	UNNAMED BROOK	010900	GREENVILLE	2033	000.09
NH0001023	ARWOOD CORP-TILTON PLANT	WINNIPESAUKEE R	010900	NORTHFIELD	3361	000.08
NH0001571	HENDRIX WIRE & CABLE CORP	NO NAME	010900	MILFORD	3600	000.05
NH0000132	IMPROVED MACHINERY CO.	NASHUA-SALMON B	010900	NASHUA	4930	000.04
NH0002641	NEW HAMPSHIRE DOORS CO INC	PISCATAQUOG	010900	GOFFSTOWN	4930	000.04
NH0000604	HAMPSHIRE-DESIGNERS INC	MERRIMACK	010900	MANCHESTER	2300	000.04
NH0000485	SPRAGUE ELECTRIC CO	NASHUA RIVER	010900	NASHUA	3679	000.04
NH0001309	ATLANTIC LAMINATES-DODGE IND	WEBSTER LAKE	010900	FRANKLIN	4930	000.03
NH0000043	BROWN PRODUCTS	NASHUA RIVER	010900	NASHUA	2600	000.03
NH0001163	GENERAL ELECTRIC-GENERATOR	MERRIMACK RIVER	010900	HILLSBORO	4930	000.03
NH0001121	TRICNIT INDUSTRIES	FURNACE BROOK	010900	NEW IPSWICH	2200	000.03
NH0001147	AMOSKEAG LEATHER FINISHING	MERRIMACK	010900	MANCHESTER	3110	000.03
NH0000906	N.H.STATE MILITARY RESERVATION	CITY DRAIN	010900	CONCORD	5541	000.03
NH0000353	PREVUE PRODUCTS-BGS CORP	SUNCOOK RIVER	010900	PITTSFIELD	3079	000.02
NH0000019	ALLEN ROGERS CORP.	WINNIPESAUKEE L	010900	LACONIA	4930	000.01
NH0000051	CATELLI HABITANT INC	MERRIMACK	010900	MANCHESTER	2033	000.01
NH0000368	ARTHUR D BROWN MFG CO	WINNIPESAUKEE	010900	TILTON	2200	000.01
NH0000515	TELEGRAPH PUBLISHING CO	NASHUA RIVER	010900	NASHUA	2711	000.01
NH0000418	RICH PLAN OF NORTHERN N.E. INC	SUNCOOK RIVER	010900	PITTSFIELD	2013	000.01
NH0000159	MAINE MFG.COMPANY	NASHUA RIVER	010900	NASHUA	2220	000.01
NH0001520	TEXACO INC 11-108 LAKEPORT	WINNIPESAUKEE L	010900	LAKEPORT	5092	000.01
NH0000582	G.W. GRIFFIN CO	WINNIPESAUKEE	010900	FRANKLIN	4930	000.01
NH0000451	SOUHEGAN WOOD PRODUCTS INC	SOUHEGAN RIVER	010900	WILTON	4930	000.01
NH0000035	HUME PIPE CORPORATION	MERRIMACK RIVER	010900	MERRIMACK	3300	000.01

NPDES FACILITY LISTING

SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER U S E (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
NH0000007	LACONIA MALLEABLE IRON CO.	WINNIPESAUKEE L	010900	LACONIA	3320,		000.01
NH0000965	CONNARE MANUFACTURING CORP.	PISCATAQUOG	010900	MANCHESTER	3011		000.01
NH0001074	JENKINS SPIRITS CORP.	MERRIMACK	010900	MANCHESTER	2085		000.01
NH0000990	COCA-COLA BOTTLING-MANCHESTER	STORMDRAIN	010900	MERRIMACK	9903		000.01
NH0000892	HOVT ELECTRICAL INSTRUMENT CO	CONCORD CITY SW	010700	PENACOOK	9903		000.01
NH0000876	J.P.STEVENS & CO-FRANKLIN PT	WINNIPESAUKEE	010900	FRANKLIN	4930		000.01
NH0000931	HILLSBOROUGH MILLS	SOUHEGAN RIVER	010900	WILTON	4930		000.01
NH0001015	SURRETTE STORAGE BATTERY CO.	WINNIPESAUKEE	010900	TILTON	3691		000.01
NH0001058	LABEL ART INC.	SOUHEGAN RIVER	010900	WILTON	4930		000.01
NH0001104	O.K.TOOL COMPANY INC	SOUHEGAN RIVER	010900	MILFORD	4930		000.01
NH0000841	NOONE MILLS DIVISION	CONTOOCOOK	010900	PETERBOROUGH	9903		000.01
NH0000949	ABBOTT MACH. CO-SPIN.DIV	SOUHEGAN RIVER	010900	WILTON	4930		000.01
NH0000957	ABBOTT MACH. COMPANY	SOUHEGAN RIVER	010900	WILTON	4930		000.01
NH0001635	J.C.PITMAN & SONS	BOW BROOK	010900	CONCORD	4935		000.01
NH0001139	HILLSBORO LAUNDRY & CLEANERS	CONTOOCOOK	010900	HILLSBORO	7211		000.01
NH0001155	INSULFAB PLASTICS	PEMIGEWASSET RI	010900	FRANKLIN	9905		000.00
NH0000361	P.S.CO.OF NH-AYERS ISL HYDRO	PEMIGEWASSET	010900	NEW HAMPTON	4912		000.00
NH0001496	P.S.CO.OF NH-GAVINS FALLS HYDR	MERRIMACK	010900	BOW	4912		000.00
NH0001431	P.S.CO.OF NH-JACKMAN HYDRO STA	CONTOOCOOK	010900	HILLSBOROUGH	4912		000.00
NH0001392	P.S.CO.OF NH-AMOSKEAG HYDRO ST	MERRIMACK	010900	MANCHESTER	4912		000.00
NH0000370	P.S.CO.OF NH-EASTMAN FALLS HYD	PEMIGEWASSET	01090	FRANKLIN	4912		000.00
NH0001422	P.S.CO.OF NH-HOOKSETT HYDRO ST	MERRIMACK	010900	HOOKSETT	4912		000.00
NH0000761	ANCHOR ELECTRIC DIV SOLA IND	MERRIMACK	010900	MANCHESTER	4930		000.00
NH0000558	WILTON PRESSED METALS INC	SOUHEGAN RIVER	010900	WILTON	3451		000.00
NH0000345	PICKER CORP.	MERRIMACK	U10900	MANCHESTER	9909		000.00
NH0000833	SUNCOOK LEATHERS	SUNCOOK RIVER	010900	PITTSFIELD	3111	M	005.20
NH0000116	FOSTER GRANT CO INC-NYLON PLT	MERRIMACK	010900	MANCHESTER	2820	U	001.10
NH0000230	MONADNOCK PAPER MILLS INC	CONTOOCOOK	010900	BENNINGTON	2621	M	001.00
NH0000540	WAUMBEC DYEING & FIN CO INC	MERRIMACK	010900	MAtiCtiEStE	2200	M	001.00
NH0001066	SEAL TANNING,OHIO LEATHER CO	MERRIMACK	010900	Manchester	3111	M	000.66
NH0000507	SYNTEXTILS INC	MERRIMACK	010900	MANCHESTER	2200	H	000.64
NH0000337	PENACOOK FIBRE CO.	CONTOOCOOK	010900	BOSCAWEN	2600	M	000.39
NH0000442	SANDERS ASSOCIATES INC	NASHUA RIVER	010900	NAHSUA	3471	M	000.32
NH0001236	BREZNER TANNING-ALLIED KID CO.	CONTOOCOOK	010900	BOSCAWEN	3111	M	000.28
NH0000167	JOHN-MANVILLE PRODUCTS CORP.	WINNEPESAUKEE R	010900	TILTON	2661	M	000.27
NH0001511	USM CORP-BOXBOARD DIVISION	CONTOOCOOK	010900	HOPKINION	2631	M	000.20
NH0000574	CONTOOCOOK VALLEY PAPER CO	CONTOOCOOK	010900	HENNIKER	2641	M	000.20
NH0000981	GROVAL KNITTED FABRICS	MERRIMACK	010900	MANCHESTER	2260	M	000.20
NH0000850	PANDORA INDUSTRIES, INC.	MERRIMACK	010900	MANCHESTER	2200	M	000.15
NH0000396	GRANITE STATE TANNING CO	NASHUA RIVER	010900	NASHUA	3110	M	000.13
NH0000205	MERRIMACK LEATHER CO INC	SOUHEGAN RIVER	010900	MERRIMACK	3110	M	000.10
NH0000922	AGOOS TANNING CO.	WINNIPESAUKEE R	010900	TILTON	3111	M	000.07
NH0000787	SCOTT & WILLIAMS INC	OPECHEE RIVER	010900	LACONIA	3471	M	000.07
NH0001341	GENERAL ELECTRIC-HOOKSETT PLT	PETERS BROOK	010900	HOOKSETT	3471	M	000.06
NH0001414	P.S.CO.OF NH-DANIEL STA	PISCATAQUA	011000	PORTSMOUTH	4911		014.00
NH0000710	N H FISH & GAME DEPT	MERRYMEETING RV	011000	NEW DURHAM	0980		009.10

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NPDES FACILITY LISTING

SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND)

NPDES NO	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMSIC	MAJOR=M	MGD
NH0001287	DAVIDSON RUBBER CO.	BELLAMY RIVER	011000	DOVER	3079		002.00
NH0000426	RINDGE INDUSTRIES (GONIC DIV.)	COCHECO RIVER	011000	ROCHESTER	9906		000.62
NH0001350	IAFOLLA CONSTRUCTION CO	UNNAMED BROOK	011000	PORTSMOUTH	1400		000.50
NH0000329	PARK MFG CO	GREAT FALLS	011000	SOMERSWORTH	9905		000.40
NH0000078	DAVIDSON RUBBER CO.-DOVER	BELLAMY RIVER	011000	DOVER	3079		000.30
[illegible]	[illegible]	[illegible]	011000	FARMINGTON	1442		000.28
NH0000663	ESSEX INTERNATIONAL-MACALLEN	LAMPRY RIVER	011000	NEWMARKET	4930		000.20
NH0001490	SIMPLEX WIRE & CABLE CO	PISCATAQUA RIV	011000	NEWINGTON	3357		000.20
NH0000795	DOVER MILL HEATING PLANT	COCHECO RIVER	011000	DOVER	4930		000.10
NH0000299	NORTHERN UTILITIES INC.	SQUAMSCOTT RIV	011000	EXETER	9902		000.09
NH0000264	NATIONAL GYPSUM CO	PISCATAQUA RIV	011000	PORTSMOUTH	3275		000.08
NH0001503	USM CORP-BAILEY DIV.	UNNAMED BROOK	011000	SEABROOK	3069		000.07
NH0000086	DAVIDSON RUBBER CO.-FARMINGTON	UNKNOWN	011000	FARMINGTON	3079		000.06
NH0000884	PORTSMOUTH WATER DEPART.	JOHNSON CREEK	011000	MADBURY	4941		000.05
NH0001091	K.J.QUINN AND CO	FOLLY MILL BRK	011000	SEABROOK	4930		000.04
NH0001082	DOVER WATER TREATMENT PLANT	COCHECO RVER	011000	DOVER	9903		000.04
NH0001333	GTE SYLVANIA INC	PICKERING BROOK	011000	GREENLAND	3229		000.03
NH0001031	UNIVERSITY OF NEW HAMPSHIRE	OYSTER RIVER	011000	DURHAM	4941		000.01
NH0001546	ATLANTIC TERMINAL SALES CORP	UNKNOWN POND	011000	NEWINGTON	5092		000.01
NH0000221	MOBIL OIL-PORTSMOUTH TERMINAL	PISCATAQUA RIV	011000	PORTSMOUTH	5092		000.01
NH0001601	P.S. CO.OF NH-NEWINGTON	PISCATAQUA	011000	NEWINGTON	4911	M	326.00
NH0001473	P.S.CO.OF NH-SCHILLER	PISCATAQUA RIV	011000	PORTSMOUTH	4911	M	284.00
NH0001368	GENERAL ELECTRIC-METER PROD.	SALMON FALLS RV	011000	SOMERSWORTH	3600	M	001.50
NH0000213	MILTON LEATHER BOARD CO	SALMON FALLS RI	011000	MILTON	2631	M	000.97
NH0001201	BAXTER WOOLEN CO	SALMON FALLS	011000	[illegible]	[illegible]		[illegible]
NH0000477	SPAULDING FIBRE-MILTON PLT V	SALMON FALLS RV	011000	MILTON	2600	M	000.60
NH0000060	CLAROSTAT MFG. CO.	COCHECO RIVER	011000	DOVER	3471	M	000.49
I0697	GREAT FALLS BLEACHERY & DYEWKS	SALMON FALLS RI	011000	SOMERSWORTH	2200	M	000.21
NH0000469	SPAULDING FIBRE-ROCHESTER PLT	SALMON FALLS	011000	ROCHESTER	2600	M	000.20
NH0001597	WHITE MOUNTAIN LAUNDRY & CLEAN	MILL BROOK	011200	CONWAY	3320		000.02
NH0001651	KEARSARGE METALLURGICAL CORP.	PEQUAWKET POND	011200	CONWAY	3320		000.02
NH0001643	PEASE AIR FORCE BASE	HODGSON BROOK	011500	PORTSMOUTH	3470		000.70
NH0001627	LESSARD SAND & GRAVEL	MOOSE BROOK	011500	GORHAM	1442		000.43
NH0001481	P.S.CO.OF NH-SMITH HYDRO STA	ANDROSCOGGIN	011500	BERLIN	4912		000.00
NH0000388	P.S.CO.OF NH-GORHAM HYDRO STA	ANDROSCOGGIN	011500	GORHAM	4912		000.00
NH0000647	BROWN CO-RESI CHEMICAL MILL	MOOSE BROOK	011500	GORHAM	2600		[illegible]
NH0000612	BROWN CO-BERLIN MILLS	ANDROSCOGGIN R	011500	BERLIN	2600	M	039.00
NH0000655	BROWN CO-CASCADE MILL GORHAM	ANDROSCOGGIN	011500	GORHAM	2600	M	019.00

NPDES FACILITY LISTING

SORTED BY: ST,BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
MA0000680	CRANE & CO.-BYRON WESTON MILL	HOUSATONIC	010200	DALTON	4930		006.20
MA0000671	CRANE & CO INC-WASTE TREAT PL	HOUSATONIC	010200	DALTON	2621		005.00
MA0000663	CRANE & CO INC	HOUSATONIC	010200	DALTON	4930		002.10
MA0000698	CRANE AND CO.	HOUSATONIC	010200	DALTON	2621		001.60
MA0000710	CRANE & CO.-DALTON	HOUSATONIC RIV	010200	DALTON	4930		001.20
MA0000701	CRANE & CO INC	HOUSATONIC RIV	010200	DALTON	4930		000.83
MA0001911	LEE LIME CORPORATION	NO NAME	010200	LEE	1429		000.41
MA0005401	BERKSHIRE NAT FISH HATCHERY	UNKNOWN	010200	NEW MARLBORO	0980		000.29
MA0001708	MEAD CORP-TECHNICAL PAPERS DIV	UNNAMED DRAIN	010200	LEE	2751		000.05
MA0002348	DAIRY CENTER OF THE BERKSHIRES	JACOBY BROOK	010200	PITTSFIELD	2020		000.03
MA0003352	GREYLOCK PLASTICS	HOUSATONIC	010200	PITTSFIELD	9903		000.00
MA0003891	GENERAL ELECTRIC-PITTSFIELD WK	HOUSATONIC RIV	010200	PITTSFIELD	3612	M	020.00
MA0005371	KIMBERLY CLARK CORP-PJS DIV	HOUSATONIC	010200	LEE	2621	M	006.50
MA0000850	RISING PAPER COMPANY	HOUSATONIC RIV	010200	GREAT BARRIN	2621	M	002.00
MA0001716	MEAD CORP-HURLBUT PAPER-LAUREL	HOUSATONIC RIV	010200	LEE	2621	M	001.80
MA0001848	MEAD CORP-HURLBUT PAPER-WILLOW	HOUSATONIC	010200	LEE	2621	M	001.30
MA0001031	WESTFIELD RIVER PAPER CO INC	GOOSE POND BRK	010200	EAST LEE	2621	M	000.16
MA0005347	HOLYOKE WATER-RIVERSIDE STA	CONNECTICUT	010400	HOLYOKE	4911		059.00
MA0004456	WESTERN MASS ELECTRIC CO	CONNECTICUT R	010400	SPRINGFIELD	9902		043.00
MA0001520	HOLYOKE GAS & ELECTRIC DEPT.	CONNECTICUT R	010400	HOLYOKE	4911		026.00
MA0004294	UNIROYAL INC.	CHICOPEE RIVER	010400	CHICOPEE	3011		004.60
MA0005011	STRATHMORE PAPER-HAMMERMIL-T.F	CONNECTICUT RIV	010400	MONTAGUE	2621		002.20
MA0004308	UNITED ELASTIC COMPANY	LOWER WILLISTON	010400	EASTHAMPTON	3069		001.90
MA0005002	STRATHMORE PAPER-HAMMERMIL-W.S	WESTFIELD RIVER	010400	WEST SPRINGF	4930		001.30
MA0003964	ESLEECK MFG. CO.	CONNECTICUT RIV	010400	TURNERS FALL	4930		001.20
MA0004472	VISTRON CORP-PRO BRUSH DIV	MILL RIVER	010400	FLORENCE	4930		001.10
MA0004219	WARE INDUSTRIES INC	WARE RIVER	010400	WARE	4941		001.00
MA0003387	AMERICAN STANDARD,CHURCH PROD.	QUABOAG RIVER	010400	MONSON	4930		000.78
MA0004685	STEVENS PAPER MILLS,SO. HADLEY	CONNECTICUT RIV	010400	SOUTH HADLEY	9906		000.71
MA0003735	SCOTT GRAPHICS	BUTTERY BROOK	010400	SOUTH HADLEY	4930		000.70
MA0000591	CORENCO CORP-SPRINGFIELD REND	CONNECTICUT RIV	010400	CHICOPEE	2094		000.70
MA0000388	JOHN S. LANE a SON, INC.	WESTFIELD RIVER	010400	WESTFIELD	1442		000.60
MA0003514	ZERO MFG,EASTERN DIV.	QUABOAG RIVER	010400	MONSON	3471		000.54
MA0004944	MARCAL PAPER MILLS	STONY BROOK	010400	SOUTH HADLEY	2621		000.42
MA0005487	SPRINGFIELD WATER WORKS	COOKS BROOK	010400	WESTFIELD	4941		000.35
MA0005215	PIELS BROTHERS-HAMPDEN DIV	WILLIAMANSETT	010400	WILLIMANSETT	2082		000.32
MA0000299	CHICOPEE MFG.-JOHNSON&JOHNSON	CHICOPEE RIVER	010400	CHICOPEE FAL	4930		000.32
MA0002500	VALLEY PAPER CO.	CONNECTICUT RIV	010400	HOLYOKE	2600		000.30
MA0002968	INDUSTRIALL BUILDINGS CORP	CHICOPEE	010400	CHICOPEE	9903		000.27
MA0000272	BOSTON & MAINE-GREENFIELD	CONNECTICUT RIV	01040	EAST DEERFIE	4011		000.27
MA0000957	UNION TWIST DRILL DIVISION	MILLERS RIVER	010400	ATHOL	4930		000.20

NPDES FACILITY LISTING

NPDES NO	APPLICANT NAME	RECEIVING WATER		BASIN	TOWN		
MA0002526	SPRINGFIELD MOULDERS INC.	CHICOPEE BROOK	010400	MONSON	4930		000.19
MA0002381	ATHOL PUBLIC WORKS	BROOK	010400	ATHOL	4941		000.16
MA0002640	ADAMS PLASTICS	CONNECTICUT RIV	010400	HOLYOKE	4930		000.10
MA0002801	S. BENT & BROTHERS	BENT'S POND	010400	GARDNER	4930		000.10
MA0002411	SIMPLEX TIME RECORDER CO	POND BROOK	010400	GARDNER	3749		000.08
MA0002127	LAMSON & GOODNOW MFG.,.CO.	DEERFIELD RIVER	010400	BUCKLAND	3421		000.08
MA0003743	SCOTT GRAPHICS INC	CONNECTICUT RIV	010400	HOLYOKE	2641		000.08
MA0000965	FIBER PROCESSING COMPANY INC	WARE RIVER	010400	WARE	2200		000.08
MA0004235	HOWNET CORPORATION WIRE DIV	MILL RIVER	010400	NORTHAMPTON	3357		000.07
MA0001503	MOLDED PRODUCTS-J.P. STEVENS	WILTON BROOK	010400	EASTHAMPTON	3079		000.07
MA0001597	RODNEY HUNT COMPANY	MILLERS RIVER	010400	ORANGE	3552		000.07
MA0001686	H.B. SMITH CO. INC.	CITY SEWER	010400	WESTFIELD	3320		000.05
MA0000647	EASTERN ETCHING & MFG CO	CHICOPEE RIVER	010400	CHICOPEE	3471		000.05
MA0002892	DEERFIELD ACADEMY	DEERFIELD RIVER	010400	DEERFIELD	8290		000.05
MA0003204	JOHN R. LYMAN CO.	CHICOPEE RIV CA	010400	CHICOPEE	7211		000.04
MA0005444	WESTOVER AIR FORCE BASE	COOLEY BROOK	010400	WESTOVER AIR	5092		000.04
MA0001074	WM. E. WRIGHT CO.	QUABOAG RIVER	010400	WEST WARREN	2241		000.04
MA0004391	STERLING RADIATOR CO	POWDERMILL RIV	010400	WESTFIELD	3433		000.03
MA0002232	HAMPDEN GLAZED PAPER & CARD CO	CONNECTICUT	010400	HOLYOKE	2649		000.03
MA0002755	L & W PLANTING COMPANY	POCOTOPAUG BRK	010400	EAST HAMPTON	3471		000.03
MA0002895	JOHN S. LANE & SON-#1 QUARRY	NONE	010400	WESTFIELD	4930		000.02
MA0002666	JAHN FOUNDRY CORP.	MUNICIPAL SEWER	010400	SPRINGFIELD	3320		000.02
MA0002739	CHARLES G. ALLEN, CO.	PRINCE RIVER	010400	BARRE	4930		000.02
MA0001309	GREENFIELD TAP & DIE-IRW CORP	GREEN RIVER	010400	GREENFIELD	4930		000.02
MA0004715	BROOKFIELD WIRE CO., INC.	UNNAMED MARSH	010400	BROOKFIELD	3470		000.01
MA0001481	HEATBATH CORPORATION	CHICOPEE RIVER	010400	LUDLOW	9903		000.01
MA0002828	HAZEN PAPER COMPANY	CONNECTICUT RIV	010400	HOLYOKE	2641		000.01
MA0000191	BENDIX CORP. ABRASIVES DIV	WESTFIELD RIVER	010400	CHESTER	3291		000.01
MA0002721	INDUSTRIAL CHROMIUM CORP.	CONNECTICUT	010400	HOLYOKE	4930		000.01
MA0002615							
MA0003034	PRECISION PRODUCTS CORP.	CHICOPEE	010400	CHICOPEE	3471		000.01
MA0005908	J. RUBIN SONS INC.	CONNECTICUT	010400	CHICOPEE	4930		000.01
MA0003115	CLINTON SILK MILLS INC.	2ND TEGEL POND	010400	HOLYOKE	2641		000.01
MA0003843	D. D. WESSON-DAN WESSON ARMS D	CHICOPEE BROOK	010400	MONSON	3471		000.00
MA0002534	L. D. VAN VALKENBURG COMPANY	CITY SEWER	010400	CHICOPEE	3957		000.00
MA0002771	W. E. FERNALD STATE SCHOOL	OTTER RIVER	010400	TEMPLETON	0000		000.00
MA0002160	PIONEER FOUNDRY & MFG.	NOT STATED	010400	GILBERTVILLE	9999		000.00
MA0002224	MICRO ABRASIVES CORP	ARM CONNECTICUT RIV	010400	HOLYOKE	2649		000.00
MA0004307	TRIPLE ATOMIC ELEC-ROWE MASS	DEERFIELD	010400	ROWE	4913	M	206.50
MA0004707	WESTERN MASS ELECTRIC-W SPRING	CONNECTICUT RIV	010400	WEST SPRINGS	4911	M	133.00
MA0005339	HOLYOKE WATER POWER-MILLION SI.	CONNECTICUT RIV	010400	HOLYOKE	4911	M	133.00
MA0001147	MONSANTO COMPANY-SPRINGFIELD	CHICOPEE RIVER	010400	SPRINGFIELD	2821	M	010.00
MA0004995	STRATHMORE PAPER-HAMMERMILL-#2	WESTFIELD RIVER	010400	RUSSELL	2621	M	005.80
MA0000655	DEERFIELD GLASSINE CO	DEERFIELD RIVER	010400	MONROE BRIDG	2600	M	003.50

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NPDES FACILITY LISTING

SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M MGD	
MA0001821	BROWN CO-EAGLE A DIVISION	CONNECTICUT	010400	HOLYOKE	2621	M	003.50
MA0000621	ERVING PAPER MILLS	MILLERS RIVER	010400	ERVING	2621		002.60
MA0000175	BALDWINVILLE PROD-ERVING PAPER	OTTER RIVER	010400	BALDWINSVILL	2600		002.50
MA0005312	SPAULDING DIV-QUESTOR CORP	CONNECTICUT R	010400	CHICOPEE	3471		002.10
MA0003760	SONOCO PRODUCTS CO-PLANT #60	CONNECTICUT RIV	010400	HOLYOKE	2631		002.00
MA0004987	STRATHMORE PAPER-HAMMERMILL-#1	WESTFIELD RIVER	010400	RUSSELL	2621		001.70
MA0004961	MONSANTO CO-BIRCHAM BEND PLANT	CHICOPEE RIVER	010400	SPRINGFIELD	2821		001.60
MA0004316	WESTFIELD RIVER PAPER COMPANY	WESTFIELD RIVER	010400	RUSSELL	2621		001.50
MA0004693	STEVENS PAPER MILLS-LOWER MILL	LITTLE RIVER	010400	WESTFIELD	2600		001.40
MA0001970	BARRE WOOL COMBING CO LTD	WARE RIVER	010400	SOUTH BARRE	2297		001.30
MA0001562	ROMAR TISSUE MILLS	WARE RIVER	010400	HARDWICK	2621		001.20
MA0003948	DIAMOND NATIONAL CORP	WARE RIVER	010400	THORNDIKE	2646		001.10
MA0003697	KENDALL CO, FIBER PRODUCTS DIV	NORTH RIVER	010400	COLRAIN	2200		001.00
MA0005193	PARSONS PAPER CO-NVF CORP	CONNECTICUT RIV	010400	HOLYOKE	2621		001.00
MA0005282	TEXON INC-RUSSELL PLANT	WESTFIELD RIVER	010400	RUSSELL	2621		001.00
MA0005266	TEXON INC	CONNECTICUT RIV	010400	SOUTH HADLEY	2621		000.82
MA0000914	MILLERS FALLS PAPER COMPANY	MILLERS RIVER	010400	ERVING	2621		000.75
MA0001571	COLUMBIA MANUFACTURING CO.	LITTLE RIVER	010400	WESTFIELD	3470		000.65
MA0001872	PIONEER VALLEY FINISHING CORP	CONNECTICUT RIV	010400	HOLYOKE	9906		000.60
MA0000906	STEVENS PAPER MILLS-UPPER MILL	LITTLE RIVER	010400	WESTFIELD	2621		000.53
MA0000469	SEAMAN PAPER CO.	OTTER RIVER	010400	TEMPLETON	2621		000.40
MA0001465	RINGE INDUSTRIES-WARE WOOLEN	WARE RIVER	010400	WARE	2200		000.36
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
MA0004855	MOORE DROP FORGING CO-PT.Y#2	CHICOPEE RIVER	010400	CHICOPEE	3471		000.28
MA0002011	NATIONAL BLANK BOOK CO INC	CONNECTICUT	010400	HOLYOKE	3471		000.17
MA0000779	HART WOOL COMBING	CONNECTICUT RIV	010400	HOLYOKE	2297		000.15
MA0001350	L.S.STARRETT CO	MILLERS RIVER	010400	ATHOL	3471		000.13
MA0004278	WARREN FABRICS CO INC	QUABOAG RIVER	010400	WARREN	9903		000.10
MA0002267	BAY STATE MILLS INC	CONNECTICUT RIV	010400	HOLYOKE	2262		000.08
MA0002313	GORDAN CHEMICAL CO.	MILL CANAL	010500	OXFORD	2821		000.24
MA0001651	HYDE MANUFACTURING COMPANY	STORM SEWER	010500	SOUTHBRIDGE	4930		000.07
MA0000205	BENDIX CORP.	QUINEBAUG RIVER	010500	STURBRIDGE	9903		000.07
MA0004324	WEBSTER LENS COMPANY	FRENCH RIVER	010500	DUDLEY	3851		000.06
MA0002151	C.W.M. ELECTROPLATERS, INC.	FRENCH RIVER	010500	LEICESTER	3470		000.02
MA0003972	RUSSEL HARRINGTON CUTLERY	QUINEBAUG RIVER	010500	SOUTHBRIDGE	3400		000.01
MA0003361	AMERICAN OPTICAL CORP	QUINEBAUG RIVER	010500	SOUTHBRIDGE	3471	M	022.00
MA0000329	CRANSTON PRINT WORKS CO	MILL BROOK	010500	WEBSTER	2200		002.30
MA0000060	ANGLO FABRICS CO.	FRENCH RIVER	010500	WEBSTER	2231		001.00
MA0001023	WEST DUDLEY PAPER-R.I.CARDBOAR	QUINEBAUG	010500	WEST DUDLEY	2600		000.96
MA0001228	STEVENS LINEN ASSOCIATES INC	FRENCH RIVER	010500	DUDLEY	2269		000.76
MA0004839	CARLETON WOOLEN MILLS	FRENCH RVER	010500	ROCHDALE	2231		000.50
MA0003565	CHARLTON WOOL	CADY BROOK	010500	CHARLTON CIT	2231		000.26
MA0004171	WORCESTER SPINNING & FINISHING	KETTLE BROOK	010500	LEICESTER	2200		000.15
MA0000094	ARGLOCK CORP.	FRENCH RIVER	010500	DUDLEY	9903		000.10
MA0002259	TAUNTON LIGHT-W. WATER ST. STA	TAUNTON RIVER	010600	TAUNTON	4911		061.00
MA0002241	TAUNTON LIGHT-CLEARY STATION	TAUNTON RIVER	010600	TAUNTON	4911		040.00

NPDES FACILITY TSTING

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M MGD
	PRODUCTS CO	TAUNTON RIVER	010600	FALL RIVER	9904	015.00
MA0000337	FALL-RIVER ELECTRIC LIGHT CO.	TAUNTON RIVER	010600	FALL RIVER	9906	007.50
					4930	004.70
MA0005495	C.L. LESARUN FOUNDRY CO	SALISBURY RIVER	010600	BROCKTON	3320	002.50
MA0005231	SOMERSET-WATER-DEPT.	TAUNTON RIVER	010600	SOMERSET	4941	001.60
MA0005398	NORTH ATTLEBORO NAT'L FISH HAT	BUNGAY RIVER	010600	NORTH ATTLEB	0980	001.50
MA0001287	ARKWRIGHT FINISHING PLANT	QUEQUECHAN RIV	010600	FALL RIVER	9903	001.00
MA0021814	ALGONQUIN SNG	TAUNTON RIVER	010600	FREETOWN	4930	001.00
						.99
	KIMAN GORDON COMPANY	BLACKSTONE RIV	010600	WORCESTER	3391	000.77
MA0004286	NEW JERSEY RUBBER CO.	TAUNTON RIVER	010600	TAUNTON	4930	000.63
MA0004537	ENGELHARD INDUSTRIES	WADING RIVER	010600	PLAINVILLE	9905	000.57
MA0002330	MIDDLEBOROUGH WATER TREAT. PLT	NEMASKET RIVER	010600	MIDDLEBOROUG	9903	000.56
MA0005151	NABISCO INC.,MANSFIELD	CANOE RIVER	010600	MANSFIELD	4930	000.43
MA0002275	REICHHOLD CHEMICALS INC	RUMFORD RIVER	010600	MANSFIELD	4930	000.39
MA0000931	J & J CORRUGATED BOX CORP.	MOUNT HOPE BAY	010600	FALL RIVER	2600	000.37
MA0005703	MANTROSE CO-MILLMASTER ONYX CO	TEN MILE RIVER	010600	ATTLEBORO	4930	000.35
MA0000019	EMILE BERNAT AND SONS	MUMFORD RIVER	010600	UXBRIDGE	2200	000.34
MA0002701	ST. REGIS PAPER CO. ATTLEBORO	BUNGAY RIVER	010600	ATTLEBORO	2649	000.32
MA0005657	D.E.MAKEPEACE,ENGLEHARD CORP	TEN MILE RIVER	010600	ATTLEBORO	9902	000.29
MA0000817	NORTON COMPANY	WEASEL BROOK	010600	WORCESTER	3291	000.28
	FELTERS CO INC	BLACKSTONE RIV	010600	MILLBURY	9903	000.25
MA0000418	GEORGE O. JENKINS CO	TOWN RIVER	010600	BRIDGEWATER	2500	000.22
MA0003646	DIGHTON INDUSTRIES	THREE MILE RIV	010600	NORTH DIGHTO	3479	000.20
MA0000566	CINCINNATI MILACRON-HEALD CORP	WEASEL BROOK	010600	WORCESTER	4930	000.20
MA0003981	HASKON, INC.	TAUNTON RIVER	010600	TAUNTON	3079	000.17
MA0001694	BROCKTON TAUNTON GAS CO.	TAUNTON RIVER	010600	TAUNTON	4930	000.15
MA0004626	STERLING PILE FABRICS CORP.	QUEQUECHAN RIV	010600	FALL RIVER	9903	000.14
	DUYDEN PLASTICS	MILL RIVER	010600	TAUNTON	4930	000.13
MA0000604	DESOTO INC-HOME ACCESSORIES	QUEQUECHAN RIV	010600	FALL RIVER	4930	000.12
	BLACKSTONE POTATO CHIP CO	BLACKSTONE RIV	010600	BLACKSTONE	2090	000.10
MA0001171	USM CORP-WHITMAN METAL STAMP	MATFIELD RIVER	010600	WHITMAN	3399	000.08
MA0004111	FOXBORO CO. SOUTHWELL PLANT	TAUNTON RIVER	010600	FOXBORO	3470	000.07
	CUMBERLAND SHOE CO	BLACKSTONE RIV	010600	BLACKSTONE	3140	000.06
		IVER	0106			
MA0000141	SPINDLE CITY DYE WORKS INC.	AUNTON RIVER	01060	FALL RIVER	2260	000.06
MA0005363	LEAVENS MFG CO	TEN MILE RIVER	010600	ATTLEBORO	3471	000.05
MA0005690	SNIDER BROTHERS INC.	BLACKSTONE RIV	010600	SUTTON	2013	000.05
MA0005053	LARSON TOOL & STAMPING CO	TEN MILE RIVER	010600	ATTLEBORO	3470	000.04
MA0005045	GORHAM DIV OF TEXTRON INC	TEN MILE RIVER	010600	ATTLEBORO	3471	000.04
	CHARLES A RICHARDSON INC.	WADING RIVER	010600	MANSFIELD	3471	000.04
MA0004103	FOXBORO COMPANY (HIGHLAND PL.)	TAUNTON RIVER	010600	EAST BRIDGEW	3470	000.04
MA0000639	ELFSKIN CORP	BROOK	010600	CHERRY VALLE	9999	000.03
MA0001048	WALTON & LONSBURY INC	TEN MILE RIVER	010600	ATTLEBORO	3471	000.03

04-03-74

NPDES FACILITY LISTING

SORTED BY: ST, BASIN, MAJOR O R MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
MA0001121	WYMAN GORDEN COMPANY	BONNY BROOK	010600	MILLBURY	3340		000.03
MA0004618	REX CHAINBELT INC.	LEESVILLE POND	010600	AUBURN	3560		000.03
MA0003603	EDNARD N. COOK PLATE CO.	TEN MILE RIVER	010600	NORTH ATTLEB	3479		000.03
MA0000345	FEDERAL-MOGUL CORP.	TAUNTON RIVER	010600	TAUNTON	4930		000.03
MA0002020	KREW INCORPURATED	TEN MILE RIVER	010600	ATTLEBORO	3470		000.03
MA0002054	V.H. BLACKINTON & COMPANY INC	TEN MILE RIVER	010600	ATTLEBORO	3470		000.03
MA0002712	HAMMOND PLASTICS	CURTIS POND	010600	WORCESTER	4930		000.03
MA0005568	DORAN & JOHNSON MFG. CORP.	TEN MILE RIVER	010600	NORTH ATTLEB	3471		000.03
MA0002682	PREST-WHEEL JOURALITE DIVISION	BLACKSTONE RIV	010600	SOUTH GRAFTO	4930		000.03
MA0002674	PROVIDENCE PILE FABRIC CORP.	QUEQUECHAN RIV	010600	FALL RIVER	9902		000.02
MA0002569	ROSS MATHEWS CORP.	TAUNTON RIVER	010600	FALL RIVER	2810		000.02
MA0001732	NEW ENGLAND POWER CO (UXBRIDGE	MUMFORD RIVER	010600	UXBRIDGE	4911		000.02
MA0001422	REED & BARTON CORP.	MILL RIVER	010600	TAUNTON	4930		000.02
MA0001058	LEACH & GARNER COMPANY	TEN MILE RIVER	010600	ATTLEBORO	3471		000.02
MA0001104	K-F BRICK CO INC	TAUNTON RIVER	010600	MIDDLEBORO	1450		000.02
MA0001201	SYNTHETIC YARNS-DW RICH & CO	TAUNTON RIVER	010600	EAST TAUNTON	4930		000.01
MA0004609	RELIABLE ELECTRO PLATING INC.	WADING RIVER	010600	NORTON	3471		000.01
MA0004871	SHELL OIL COMPANY	TAUNTON RIVER	010600	FALL RIVER	5092		000.01
MA0004553	T.J.HOLMES CO INC	WADING RIVER	010600	NORTON	4930		000.01
MA0003476	BATES AND KLINKE	TEN MILE RIVER	010600	ATTLEBORO	3471		000.01
MA0000159	HANDY AND HARMAN/ATTLEBORO REF	TEN MILE RIVER	010600	ATTLEBORO	3341		000.01
MA0000141	HANDY AND HARMAN/ATTLEBORO REF	TEN MILE RIVER	010600	ATTLEBORO	3341		000.01
MA0000167	HANDY AND HARMAN/ATTLEBORO REF	TEN MILE RIVER	010600	ATTLEBORO	4930		000.01
MA0005541	A & J TOOL & FINDING CO. INC.	PLAINVILLE POND	010600	PLAINVILLE	3471		000.01
MA0002364	CRAFT, INC.	SEVENMILE RIV	010600	ATTLEBORO	3670		000.01
MA0005819	SIMPSON SPRING CO-BOTTLING PT	NO NAME	010600	SOUTH EASTON	9902		000.01
MA0002780	STEDFAST RUBBER CO.	TAUNTON RIVER	010600	NORTH EASTON	4930		000.01
MA0004758	BACON FELT COMPANY	TAUNTON RIVER	010600	TAUNTON	4930		000.01
MA0005592	MANUFACTURERS BUILDING TRUST	TEN MILE RIVER	010600	NORTH ATTLEB	3471		000.01
MA0002585	WALTER E. HAYWARD CO-AMTEL CO.	TEN MILE RIVER	010600	ATTLEBORO	3470		000.01
MA0002909	HOWARD JOHNSON LODGE-SOMERSET	MOUNT HOPE BAY	010600	SOMERSET	7011		000.01
MA0003107	FALL RIVER TOLL & DYE CC6""	SUCKER BROOK	010600	FALL RIVER	4930		000.01
MA0002461	L. S. PETERSON COMPANY	TEN TENMILE RIVER	010600	NORTH ATTLEB	3470		000.01
MA0003247	SYNTHETIC MATERIALS CORP	BLACKSTONE RIV	010600	WORCESTER	2821		000.01
MA0002291	W. & S. LAUNDRY	BLACKSTONE RIV	010600	BLACKSTONE	7211		000.01
MA0003212	BROCKTON SOLE & PLASTICS-ATLAS	TROUT CREEK	010600KTON		3079		000.01
MA0002062	H.F. BARROWS CO	TEN MILE RIVER	010600	NORTH ATTLEB	3470		000.01
MA0003207	PLAINVILLE STOCK COMPANY	TEN MILE RIVER	010600	PLAINVILLE "	3471		000.01
MA0005746	BLACKSTONE CONBING, INC.	BLACKSTONE RIV	010600	MILLVILLE	9911		000.00
MA0002372	WELLS-BENRUS, INC.	TEN MILE RIVER	010600	ATTLEBORO	3471		000.00
MA0003654	NEW ENGLAND POWER-BRAYTON PT.	MOUNT HOPE BAY	010600 "	SOMERSET	4911	M	923000
MA0001856	MONTAUP ELECTRIC-SOMERSET STA.	TAUNTON RIVER	010600	SOMERSET	4911	M	276.00
MA0005291	ICI AMERICA INC-DIGHTON WORKS	TAUNTON RIVER	010600	DIGHTON	2800	M	002.60
MA0001791	TEXAS INSTRUMENTS Inca	TEN MILE RIVER	010600	ATTLEBORO	3471	M	002.50
MA0004341	WYMAN-GORDON CO-USAF PLANT 63	QUINSIGAMOND RV	010600	GRAFTON	3391	M	002.50
MA0001538	RD-SCHUSTER WOOLEN MILLS	GILBOA BROOK	010600	DOUGLAS	2231	M	001.70

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
MA0005622	ATTLEBORO DYEING & FINISH. CO.	TEN MILE RIVER	010600	SEEKONK	2261	M	001.40
MA0001252	WHITIN MACHINE WORKS INC	MUMFORD RIVER	010600	WHITINSVILLE	3471	M	000.87
MA0005355	DEFIANCE BLEACHERY DIV-AZEN CO	WADING RIVER	010600	BARROWSVILLE	2261	M	000.77
MA0000868	JOHNSON STEEL & WIRE CO	BLACKSTONE RIV	010600	WORCESTER	3315	M	000.40
MA0000761	HAPGOOD FINISHING CO.	THREE MILE RIV	010600	TAUNTON	2200	M	000.34
MA0001210	STANLEY WOOLEN CO	BLACKSTONE RIV	010600	OXFORD	2231	M	000.33
MA0000361	DODGEVILLE FINISHING CO.	TEN MILE RIVER	010600	ATTLEBORO	2200	M	000.32
MA0000612	DYECRAFTSMEN INC	MILL RIVER	010600	TAUNTON	2269	M	000.30
MA0000892	NEW ENGLAND HIGH CARBON WIRE	BLACKSTONE RIV	010600	MILLBURY	3315	M	000.29
MA0001341	SWAN FINISHING CO INC	LEES RIVER	010600	SWANSEA	9903	M	000.22
MA0004227	SWANK INC.	TEN MILE RIVER	010600	ATTLEBORO	3470	M	000.21
MA0002445	ADVANCED MATERIALS TECHNOLOGY	TEN MILE RIVER	010600	NORTH ATTLEB	3470	M	000.18
MA0002283	CROWN YARN DYE CO., INC.	BLACKSTONE RIV	010600	SOUTH ATTLEB	2213	M	000.16
MA0004031	MILSINGER CORP	TEN MILE RIVER	010600	PLAINVILLE	3429	M	000.13
MA0004260	OLIN-THOMPSON PLASTIC-OLIN COR	TAUNTON RIVER	010600	FREETOWN	2821	M	000.12
MA0003786	SHERIDAN SILVER CO.	TAUNTON RIVER	010600	TAUNTON	3471	M	000.11
MA0004766	L. G. BALFOUR CO.-PLANT #1	TEN MILE RIVER	010600	ATTLEBORO	3470	M	000.11
MA0002399	C. RAY RANDALL MFG. CO.	TEN MILE RIVER	010600	NORTH ATTLEB	3470	M	000.11
MA0000949	G F WRIGHT STEEL & WIRE CO	KETTLE BROOK	010600	WORCESTER	3310	M	000.10
MA0001082	ANODIZING CO. OF NEW ENGLAND	QUEQUECHAN RIV	010600	FALL RIVER	3470	M	000.10
MA0004545	TEKNOR APEX CO	TEN MILE RIVER	010600	ATTLEBORO	2810	M	000.08
MA0005380	DREW TANNING OF BROCKTON INC	SALISBURY RIV	010600	BROCKTON	3110	M	000.08
MA0002551	PARKS CORP.	TAUNTON RIVER	010600	SOMERSET	2850	M	000.07
MA0001627	DANTE INC.	THACHER BROOK	010600	ATTLEBORO	3470	M	000.06
MA0000027	LAMBERT ANODIZING CO. INC.	TEN MILE RIVER	010600	ATTLEBORO	3471	M	000.05
MA0002402	WHITING & DAVIS CO.	TEN MILE RIVER	010600	PLAINVILLE	3470	M	000.05
MA0002101	ROYCE ALUMINUM CORPORATION	TAUNTON RIVER	010600	TAUNTON	3471	M	000.05
MA0002046	ROBBINS CO	TEN MILE RIVER	010600	ATTLEBORO	3471	M	000.04
MA0001473	RIPLEY & GOWEN CO., INC.	TEN MILE RIVER	010600	ATTLEBORO	3471	M	000.04
MA0001589	L. G. BALFOUR CO.-PLANT #2	TEN MILE RIVER	010600	NORTH ATTLEB	3470	M	000.03
MA0001554	F. B. ROGERS SILVER CO.	TAUNTON RIVER	010600	TAUNTON	3471	M	000.02
MA0000736	B & J JEWELRY	TEN MILE RIVER	010600	ATTLEBORO FA	3471	M	000.02
MA0005088	NEW ENGLAND PLATING CO INC	MILL BROOK	010600	WORCESTER	3471	M	000.01
MA0005584	FOSTER METALS PRODUCTS	TEN MILE RIVER	010600	ATTLEBORO	3470	M	000.01
MA0006041	CANAL ELEC-MONTAUP ELEC	CAPE COD CANAL	010800	SANDWICH	4911		517.00
MA0004898	CAMBRIDGE ELECTRIC-KENDALL SQ	BOSTON-CHARLES	010800	CAMBRIDGE	4911		276.00
MA0001490	MASS ELECTRIC-LYNNWAY STA.	LYNN HARBOR	010800	LYNN	4930		072.00
MA0004001	CAMBRIDGE ELECTRIC-BLACKSTONE	BOSTON-CHARLES	010800	CAMBRIDGE	4911		029.00
MA0003832	GILLETTE CO-SAFETY RAZOR DIV	BOSTON HARBOR	010800	SOUTH BOSTON	4930		027.00
MA0005525	BRAINTREE ELEC-ALLEN ST. STA	BOSTON-WEY.FORE	010800	BRAINTREE	4911		016.00
MA0001961	USM CORP-MACHINERY DIV	LOWER MILL POND	010800	BEVERLY	4930		014.00
MA0000795	MASS INSTITUTE OF TECHNOLOGY	BOSTON-CHARLES	010800	CAMBRIDGE	4930		013.00
MA0004359	BOSTON NAVAL SHIPYARD	BOSTON HARBOR	010800	BOSTON	9906		012.00
MA0005827	BROCKTON WATER FILTRATION PLT	SILVER LAKE	010800	HALIFAX	4941		012.00
MA0001724	U S ARMY LAB-NATICK	LAKE COCHITUATE	010800	NATICK	4930		010.00
MA0000051	AMSTAR-BOS.CANE SUGAR REFINERY	BOSTON-MYSTIC R	010800	BOSTON	2062		010.00

NPDES FACILITY LISTING

SORTED BY : ST. BASIN. MAJOR OR MINOR. WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	R				
MA0005517	BRAINTREE ELECTRIC,UNIT #1	BOSTON-WEY.FORE	010800	BRAINTREE	4911	007.80
MA0000809	MONSANTO CO	BOSTON-MYSTIC R	010800	EVERETT	4930	007.30
MA0003409	ARMSTRONG CORK CO.	BOSTON-WEY.FORE	010800	BRAINTREE	3069	004.70
MA0000434	SCHRAFFT CANDY CO	BOSTON-MYSTIC R	010800	BOSTON	2070	004.40
MA0003506	BERKSHIRE HATHAWAY	ACHUSHNET RIVER	010800	NEW BEDFORD	4930	004.30
MA0004570	HOLLINGSWORTH & VOSE COMPANY	BOSTON-NEPONSET	010800	EAST WALPOLE	4941	003.50
MA0003956	EASTMAN GELATINE CORP	GOLDTHWAIT BR	010800	PEABODY	4930	002.90
MA0003620	CORNING GLASS WORKS-MEDFIELD	BOSTON-CHARLES	010800	MEDFIELD	9902	002.80
MA0000558	CHASE AND SONS INC	BOSTON-WEY.FORE	010800	RANDOLPH	4930	002.50
MA0003522	BIRD & SON PAPER MILL DIV.	BOSTON-NEPONSET	010800	EAST WALPOLE	4930	002.10
MA0002003	WARREN BROS-BLUE STONE QUARRY	ACUSHNET RIVER	010800	ACUSHNET	2951	001.80
MA0021806	BOSTONGAS-SNG	BOSTON-MYSTIC	010800	EVERETTE	4930	001.60
MA0005436	SCITUATE U.F.W.-WATER DIV.	FIRST HERRING	010800	SCITUATE	4941	001.50
MA0005606	GOODYEAR TIRE & RUBBER CO.	BUZZARDS BAY	010800	NEW BEDFORD	3069	001.50
MA0005916	WOODS HOLE OCEAN INST-ENVIR LA	VINEYARD SOUND	010800	FALMOUTH	0980	001.40
MA0000540	CARLING BREWING CO.-NATICK	LAKE COCHITUATE	010800	NATICK	4930	001.40
MA0005118	NANTUCKET GAS & ELECTRIC	NANTUCKET HARB	010800	NANTUCKET	4930	001.40
MA0002917	ACUSHNET CO-RUBBER DIV	ACUSHNET RIVER	010800	NEW BEDFORD	3069	001.20
MA0003484	BETHLEHEM STEEL CORP	BOSTON HARBOR	010800	EAST BOSTON	3731	001.10
MA0004569	GREAT A&P TEA CO-NAT.FISH DEPT	BOSTON HARBOR	010800	BOSTON	4930	001.10
MA0003169	NORTH AMERICAN ROCKWELL CORP	MILL RIVER	010800	HOPEDALE	3552	001.00
MA0001929	GIBBS OIL COMPANY	BOSTON-CHELSEA	010800	REVERE	5092	001.00
MA0002178	POLAROID CORP	ACUSHNET	010800	NEW BEDFORD	4930	001.00
MA0004502	TILESTON & HOLLINGSWORTH CO.	BOSTON-NEPONSET	010800	HYDE PARK	9903	000.80
MA0005428	ACUSHNET CO-GOLF DIV	ACUSHNET RIVER	010800	ACUSHNET	3069	000.71
MA0000132	ASHLAND SAND AND CONCRETE	SUDBURY RIVER	010800	ASHLAND	1400	000.65
MA0003875	GENERAL ELECTRIC-USAF PLANT 28	BOSTON-MYSTIC R	010800	EVERETT	4930	000.60
MA0002186	POLAROID CORP.	BOSTON-CHARLES	010800	WALTHAM	9905	000.57
MA0001759	GTE SYLVANIA INC SYLVAN ST.PLT	MILL POND	010800	DANVERS	3641	000.57
MA0002844	DENNISON MANUFACTURING CO.	STORM SEWER	010800	FRAMINGHAM	4930	000.55
MA0003999	MAGNESIUM CASTING CO	BOSTON-NEPONSET	010800	HYDE PARK	4930	000.55
MA0004588	HINGHAM WATER CO.	BOSTON-WEY.BACK	010800	HINGHAM	9902	000.53
MA0003042	BOSTON GAS CO. EAST BRAINTREE	BOSTON-WEY.FORE	010800	BRAINTREE	9902	000.51
MA0003051	PLYMOUTH ROCK TROUT CO.	WILLINGLY BRK	010800	PLYMOUTH	0980	000.50
MA0004081	THOMAS QUINN CO INC	BUTTERFIELD PND	010800	BURLINGTON	1400	000.50
MA0001376	REECE CORPORATION	BOSTON-CHARLES	010800	WALTHAM	9903	000.45
MA0001180	USM CORP CHEMICAL DIV	IPSWICH RIVER	010800	MIDDLETON	2821	000.40
MA0003336	TELEDYNE-RODNEY METALS	ACUSHNET-BUZZAR	010800	NEW BEDFORD	4930	000.40
MA0000353	DEWEY & ALMY CHEM.-W. R. GRACE	BOSTON-MYSTIC R	010800	CAMBRIDGE	4930	000.39
MA0003450	BARNSTEAD COMPANY/SBYRON CORP	BOSTON-CHARLES	010800	BOSTON	4930	000.37
MA0004014	MYSTIC VALLEY GAS-MALDEN GAS	BOSTON-MYSTIC R	010800	MALDEN	4930	000.37
MA0002518	SHETLAND PROPERTIES	SALEM HARBOR	010800	SALEM	4930	000.34
MA0005673	KENDALL CO.-FIBER PRODUCTS DIV	BOSTON-NEPONSET	010800	WALPOLE	4930	000.33
MA0000264	CLARK-BABBIT FOODS	INDIAN HEAD RIV	010800	ROCKLAND	2042	000.33
MA0003841	GENERAL ELECTRIC-ASHLAND PLT	SUDBURY RIVER	010800	ASHLAND	4930	000.33

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NPDES FACILITY LISTING

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		NG WATE		CITY / TOWN	PRIMESIC	MAJOR=M MGD
MA0005304	NATIONAL POLYCHEMICALS INC	BOSTON-MYSTIC R	010800	WILMINGTON	9904	000.32
MA0003930	CORNELL-DUBILIER ELECTRIC CORP	STORM SEWER	010800	NEW BEDFORD	4930	000.31
MA0001635	GENERAL ELECTRIC-AEROSPACE INS	IPSWICH RIVER	010800	WILMINGTON	3720	000.30
MA0003379	AEROVOX CORPORATION	ACUSHNET RIVER	010800	NEW BEDFORD	3600	000.30
MA0005177	OCEAN SPRAY CRANBERRIES INC	GREAT CEDAR SWP	010800	HANSON	2033	000.29
MA0003093	PROCTOR-SILEX INC.	SALEM HARBOR	010800	SALEM	9906	000.28
MA0000833	EXXON OIL--ISLAND END RIVER TE	BOSTON-MYSTIC R	010800	EVERETT	2951	000.27
MA0003719	ST. REGIS PAPER-NEWTON PLANT	BOSTON-CHARLES	010800	NEWTON	4930	000.25
MA0003778	VARIAN ASSOCIATES	BROOK	010800	BEVERLY	3674	000.24
MA0001406	RAYTHEON CO	ELM BROOK	010800	BEDFORD	3200	000.23
MA0003468	AVCO SYSTEMS DIV.	IPSWICH RIVER	010800	WILMINGTON	4930	000.23
						000.22
MA0001449	RAYTHEON CO.WALTHAM PLANT	BOSTON-CHARLES	010800	WALTHAM	4930	000.20
MA0000574	COTT CORP	BOSTON-CHARLES	010800	MILLIS	2086	000.20
MA0002638	FACTORY MUTUAL ENGR. CORP.	BOSTON-NEPONSET	010800	NORWOOD	4930	000.20
MA0000256	CONVERSE RUBBER CORP.	BOSTON-MYSTIC R	010800	MALDEN	3031	000.18
MA0000400	KEYSTONE MICRO SCAN.INC.	BOSTON-NEPONSET	010800	BOSTON	3599	000.17
MA0001279	J.H.-WINN-MCCORD CORP	BOSTON-MYSTIC R	010800	WINCHESTER	4930	000.17
MA0000752	BURLINGTON IND-GOODALL VINYL	SAUGUS RIVER	010800	READING	9906	000.17
		CAPE COD CANAL	010800	SANDWICH	4930	000.14
					3471	000.14
MA0003590	BOSTON & MAINE-CAMBRIDGE	BOSTON-CHARLES	010800	CAMBRIDGE	3742	000.13
						13
	HERSEY PRODUCTS INC	BOSTON-NEPONSET	010800	DEDHAM	3360	000.12
MA0001953	PERKIT FOLDING BOX CORP	BOSTON-NEPONSET	010800	HYDE PARK	9903	000.12
MA0003531	BIRD & SON INC. ROOFING MILL	BOSTON-NEPONSET	010800	NORWOOD	2952	000.11
MA0004430	WESTINGHOUSE ELECTRIC CORP	BOSTON-NEPONSET	010800	BOSTON	4930	000.10
MA0001155	COCA-COLA BOTTLING CO.	BOSTON-CHARLES	010800	BOSTON	9904	000.10
MA0005665	NEW LONDON MILLS	BOSTON-NEPONSET	010800	NORWOOD	4930	000.09
MA0005631	BARRY DIV-BARRY WRIGHT CORP.	BOSTON-CHARLES	010800	WATERTOWN	4930	000.09
MA0001643	NAVAL AIR STATION-SO. WEYMOUTH	FRENCH STREAM	010800	WEYMOUTH	4930	000.09
MA0004006	MOBIL OIL CORP	BOSTON-CHELSEA	010800	EAST BOSTON	5092	000.09
	COCA-COLA BOTTLING CO	STORM SEWER		LYNN	9904	000.07
MA0004022	HERMATITE CORP.	BOSTON-WEY.FORE	010800	AVON	3470	000.07
	ALLIED CONCRETE CORP	BOSTON-MYSTIC R	010800	EVERETT	3200	000.07
MA0005461	SPIR-IT INC	BOSTON-MYSTIC R	010800	MALDEN	4930	000.06
MA0001431	RAYTHEON CO. SPENCER LAB.	BOSTON-MYSTIC	010800	BURLINGTON	4930	000.06
MA0004634	EASTERN TOOL & STAMPING CO.	SAUGAS RIVER	010800	SAUGUS	3400	000.05
MA0004251	PLYMOUTH ROGERS INC.	FRENCH STREAM	010800	NORTH ABINGT	9906	000.05
MA0001988	WARREN BROS CO-ASHLAND OIL CO	UNNAMED BROOK	010800	SAUGUS	9908	000.05
MA0002356	WAKEFIELD BEARING CORP.	WAKEFIELD BROOK	010800	WAKEFIELD	3490	000.04
MA0002305	METAL BELLOWS CORP.	BROOK				

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M MGD
MA0003166	RAYTON-CROSS CO	BOSTON-CHARLES	010800	HOLLISTON	4930	000.04
MA0003069	WELLESLEY MUNICIPAL INCINERAT	BOSTON-CHARLES	010800	WELLSEY	4930	000.04
MA0001619	SALT WATER TRUST CORDAGE PARK	PLYMOUTH BAY	010800	PLYMOUTH	4930	000.04
MA0000213	BETTINGER CORP.	BOSTON-CHARLES	010800	MILFORD	3461	000.04
MA0003344	SAMUAL CABOT	BOSTON-CHELSEA	010800	CHELSEA	4930	000.03
MA0001198	USM CORP-MEDWAY DIVISION	BOSTON-CHARLES	010800	MEDWAY	3423	000.03
MA0001091	GULF OIL CO.	BOSTON-CHELSEA	010800	CHELSEA	5092	000.03
MA0004332	WALWORTH COMPANY	BOSTON-WEY.FORE	010800	BRAINTREE	3360	000.03
MA0003263	COHASSET WATER TREAT. PLANT	AARON RIVER	010800	COHASSET	4941	000.03
MA0002852	M.B.T.A.-SOUTH BOSTON POWER ST	BOSTON HARBOR	010800	SOUTH BOSTON	4911	000.03
MA0001821	MERRIMAN INC	WEYMOUTH BACK	010800	HINGHAM	3400	000.03
MA0003123	NEW ENGLAND AQUARIUM	BOSTON HARBOR	010800	BOSTON	4941	000.02
MA0002658	TY-CAR MFG. CO.	BOSTON-CHARLES	010800	HOLLISTON	3471	000.02
MA0004421	WESTERN ELECTRIC NE SERVICE CT	BOSTON-CHARLES	010800	WATERTOWN	4930	000.02
MA0000841	EXXON OIL-WALTHAM TERMINAL	BOSTON-CHARLES	010800	WALTHAM	5092	000.02
MA0004499	UNION CARBIDE CORP	WASH BROOK	010800	SOUTH SUDBUR	2813	000.02
MA0004383	SW INDUSTRIES INC	BOSTON-CHARLES	010800	NEWTON	4930	000.02
MA0004375	TEXACO INC	BOSTON-MYSTIC R	010800	CHELSEA	5092	000.02
MA0000531	BOSTON SAND & GRAVEL	BOSTON-CHARLES	010800	CHARLESTOWN	3273	000.02
MA0003417	AVCO EVERETT RESEARCH LAB	BOSTON-MYSTIC R	010800	EVERETT	4930	000.02
MA0003662	ISSOKSONS CLEANERS, INC.	TISBURY HARBOR	010800	TISBURY	4930	000.01
MA0005240	BELMONT SPRINGS WATER CO INC	BOSTON-CHARLES	010800	BELMONT	4941	000.01
MA0005321	HUME PIPE CORP	NONE	010800	SWAMPSCOTT	4930	000.01
MA0004880	SHELL OIL COMPANY	BOSTON-CHARLES	010800	WALTHAM	5092	000.01
MA0004065	NEW ENGLAND CUT STONE CO INC	BOSTON-NEPONSET	010800	DORCHESTER	3281	000.01
MA0004782	CITIES SERVICE OIL COMPANY	BOSTON-WEY.FORE	010800	EAST BRAINTR	5092	000.01
MA0001457	BAY STATE LOBSTER CO	BOSTON HARBOR	010800	BOSTON	2036	000.01
MA0001244	WHITE FUEL CORP	BOSTON-MYSTIC R	010800	ARLINGTON	5092	000.01
MA0005126	NEW BEDFORD SEAFOOD COOP ASSOC	ACUSHNET RIVER	010800	FAIRHAVEN	2036	000.01
MA0004405	WHITE FUEL CORP	BOSTON HARBOR	010800	BOSTON	5092	000.01
MA0001902	QUINCY MARKET COLD STORAGE	BOSTON-WEIR RIV	010800	GLOUCESTER	9902	000.01
MA0001236	WHITE FUEL CORP	BOSTON-CHARLES	010800	WEST NEWTON	5092	000.01
MA0001392	RAYTHEON CO.	BOSTON-NEPONSET	010800	NORWOOD	4930	000.01
MA0005100	REVERE COPPER & BRASS INC.	PLYMOUTH HARBOR	010800	PLYMLUTH	3499	000.01
MA0001295	VENTRON CORP	DANVERS RIVER	010800	BEVERLY	2819	000.01
MA0004499	QUINCY MARKET COLD STORAGE	BOSTON-CHARLES	010800	WATERTOWN	4930	000.01
MA0005649	ATLANTIC AQUARIUM-AT HULL	BOSTON HARBOR	010800	HULL	8421	000.01
MA0002861	M.B.T.A.-LINCOLN POWER STATION	BOSTON HARBOR	010800	BOSTON	4911	000.01
MA0002879	M.B.T.A.-CHARLESTOWN HEAT PLT	BOSTON-MYSTIC R	010800	CHARLESTOWN	4930	000.01
MA0002593	N.ATLANTIC FISH RES-WOODS HOLE	GREAT HARBOR	010800	FALMOUTH	0980	000.01
MA0005533	L. F. FALES MACHINE CO.	BOSTON-NEPONSET	010800	WALPOLE	9902	000.01
MA0003174	BARNES WORSTEDS	JONES RIVER	010800	KINGSTON	2200	000.01
MA0021792	MARINE RESEARCH INSTITUTE	DUXBURY BAY	010800	DUXBURY	0980	000.01
MA0003131	BOSTON INSULATED WIRE & CABLE	PLYMOUTH BAY	010800	PLYMOUTH	3069	000.01
MA0005797	COCK 'N KETTLE RESTAURANT	THE GULF	010800	SCITUATE	5810	000.01

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NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
MA0003301	GLEN PETROLEUM CORP	ACUSHNET RIVER	010800	NEW BEDFORD	5092		000.01
MA0005738	LIPTON PET FOODS	ACUSHNET RIVER	010800	NEW BEDFORD	9901		000.01
MA0002950	E. M. JOESAM CO.(PLATING ROOM)	NOT STATED	010800	ASHLAND	3471		000.01
MA0003085	COLUMBIA ELECTRON. CABLE-AVNET	ACUSHNET RIVER	010800	NEW BEDFORD	9905		000.01
MA0003298	UNION PETROLEUM CORP	BOSTON-CHELSEA	010800	REVERE	5092		000.01
MA0003280	METROPOLITAN PETROLEUM CO-CHEL	BOSTON-MYSTIC	010800	CHELSEA	5092		000.01
MA0005860	R. M. PACKER CO--TEXACO	NANTUCKET SOUND	010800	DUKES	5092		000.01
MA0003191	ARCHER RUBBER	BOSTON-CHARLES	010800	MILFORD	4930		000.01
MA0002631	L. G. EVANS' SON COMPANY	WAKEFIELD BROOK	010800	WAKEFIELD	4930		000.01
MA0005878	R.E.C.MANUFACTURING CORP	BOSTON-CHARLES	010800	HOLLISTON	4930		000.01
MA0002194	ABRASIVE PRODUCTS	BOSTON-WEY.FORE	010800	BRAINTREE	4930		000.01
MA0002119	PURITAN LAUNDRY CO.	BOSTON-WEY.BACK	010800	WEYMOUTH	9910		000.01
MA0001830	LYNN SAND & STONE COMPANY	FOSTERS DAM PD	010800	SWAMPSCOTT	1429		000.00
MA0001996	NAVAL HOSPITAL BOSTON	BOSTON-MYSTIC R	010800	CHELSEA	4930		000.00
MA0002097	RYAN BARREL COMPANY	WATERS RIVER	010800	PEABODY	4930		000.00
MA0000787	MASS PORT AUTHORITY-LOGAN APRT	BOSTON HARBOR	010800	BOSTON	4582		000.00
MA0002933	METRON ENGR CORP	ATLANTIC OCEAN	010800	PLYMOUTH	3471		000.00
			0800	MEDWAY	7215		000.00
			010800	PLYMOUTH	9903		000.00
MA0000825	NORTHEAST PETROLEUM CORP	BOSTON-CHELSEA	010800	REVERE	5092		000.00
MA0004511	SUN OIL CO.	BOSTON-CHELSEA	010800	REVERE	5092		000.00
MA0001368	HESS OIL & CHEMICAL DIV	BOSTON-CHELSEA	010800	EAST BOSTON	5092		000.00
MA0003867	GENERAL ELECTRIC-CHELSA PLT	BOSTON-CHELSEA	010800	CHELSEA	2851		000.00
MA0000116	AMERICAN CAN COMPANY	BOSTON-CHARLES	010800	NEEDHAM	4930		000.00
MA0003425	ATLANTIC RICHFIELD-REVERE-TERM	BOSTON-CHELSEA	010800	REVERE	5092		000.00
MA0004740	BOSTON EDISON-MYSTIC STA	BOSTON-MYSTIC R	010800	EVERETT	4911	M	727.00
MA0003557	BOSTON EDISON--PILGRIM NUCLEAR	CAPE COD BAY	010800	PLYMOUTH	4913	M	474.00
MA0004731	BOSTON EDISON-L ST, NEW BOSTON	BOSTON HARBOR	010800	SOUTH BOSTON	4911	M	413.00
MA0000396	NEW ENGLAND POWER-SALEM HBR ST	SALEM HARBOR	010800	SALEM	4911	M	372.00
MA0004723	BOSTON EDISON-EDGAR STA	BOSTON-WEY.FORE	010800	NORTH WEYMOU	4911	M	322.00
MA0004928	CANAL ELECTRIC-CANAL PLT #1	CAPE COD CANAL	010500	SANDWICH	4911	M	238.00
MA0004910	NEW BEDFORD GAS & EDISON-CANNO	NEW BEDFORD HBR	010800	NEW BEDFORD	4930	M	157.00
MA0003905	GENERAL ELECT.-A.F.PLANT 29	SAUGUS RIVER	010800	LYNN	3722	M	103.00
MA0004812	REVERE SUGAR REFINERY	BOSTON-MYSTIC R	010800	CHARLESTOWN	2062	M	016.00
MA0000884	PLYMOUTH RUBBER COMPANY INC	BOSTON-NEPONSET	010800	CANTON	2821	M	005.00
MA0004481	U.S. GYPSUM CO.	BOSTON-MYSTIC R	010800	CHARLESTOWN	3275	M	002.60
MA0004073	PROCTER & GAMBLE MFG CO	BOSTON-WEY.FORE	010800	QUINCY	2840	M	001.50
MA0005223	QUAKER OATS CO-PET FOODS DIV	ACUSHNET	010800	NEW BEDFORD	2042	M	001.40
MA0005789	GENERAL DYNAMICS-QUINCY DIV.	BOSTON-WEY.FORE	010800	QUINCY	3731	M	001.30
MA0004821	REVERE COPPER & BRASS	ACUSHNET RIVER	010800	NEW BEDFORD	3351	M	001.24
MA0000973	FENWAL INCORPORATED	COLD SPRING BRK	010800	ASHLAND	3470	M	000.51
MA0000485	GAF CORP.-INDUSTRIAL PRODUCTS	BOSTON-CHARLES	010800	FRANKLIN	9903	M	000.23
MA0004120	FOXBORO CO. (NEPONSET PLANT)	BOSTON-NEPONSET	010800	FOXBORO	3470	M	000.17
MA0005801	TREMONT NAIL COMPANY	WANTINCO RIVER	010800	WAREHAM	3452	M	000.14

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MA0004197	MAJ.WHITTALL ASSOC-ROXBURY CPT	SUDBURY RIVER	010800	FRAMINGHAM	9903	M	000.14
MA0002704	ATLAS TACK CORP-TACK PLANT	BUZZARDS BAY	010800	FAIRHAVEN	3471	M	000.08
MA0004651	FITCHBURG GAS & ELEC.	NASHUA RIVER	010900	FITCHBURG	4931		018.00
MA0001066	LAWRENCE WATER DEPT FILT PLANT	MERRIMACK RIV	010900	LAWRENCE	4941		012.00
MA0003452	LOWELL WATER TREATMENT PLANT	MERRIMACK RIVER	010900	LOWELL	4941		010.00
MA0000396	E. F. LAURENCE & CO.	COLD HARBOR BRK	010900	NORTHBOROUGH	3999		005.00
MA0005479	BILLERICA WATER DEPT.	CONCORD RIVER	010900	BILLERICA	4941		003.50
MA0001007	OXFORD PAPER(LAWRENCE) ETHYL.	SPICKET RIVER	010900	LAWRENCE	9902		003.20
MA0004952	REICHHOLD CHEMICALS-NEW ENG DI	SHAWSHEEN RIVER	010900	ANDOVER	4930		002.90
MA0021822	CROCKER TECHNICAL PAPERS	NASHUA RIVER	010900	FITCHBURG	2621		002.80
MA0003824	GENERAL TIRE & RUBBER-BOLTA DI	SPICKET RIVER	010900	LAWRENCE	3079		002.20
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
MA0005762	COLONIAL PRESS INC-GREEN ST.	NASHUA RIVER	010900	CLINTON	4930		001.40
MA0003328	INJECTRONICS	NASHUA RIVER	010900	CLINTON	4930		001.00
MA0003843	GENERAL ELECTRIC-LOWELL PLT	MERRIMACK RIVER	010900	LOWELL	4930		000.98
MA0004677	GREAT AMERICAN CHEMICAL CORP	NASHUA RIVER	010900	FITCHBURG	4930		000.90
MA0001813	LEOMINSTER WATER WORKS	NASHUA-MOONSNOC	010900	LEOMINSTER	4941		000.85
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
MA0001783	ITT SUPRENANT DIVISION	NASHUA-COUNTERP	010900	CLINTON	3357		000.71
MA0000531	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
MA0003689	P. J. KEATING, CO.	NASHUA-BOW BROO	010900	LUNENBURG	2951		000.60
MA0003395	AMOCO [illegible]	[illegible] BRO	010900	LEOMINSTER	9906		000.60
MA0000515	BORDEN INC CHEMICAL DIVISION	NASHUA-FALL BRO	010900	LEOMINSTER	9903		000.60
MA0000108	AVCO BAY STATE ABRASIVES DIV.	RUTTERS BROOK	010900	WESTBOROUGH	3291		000.59
MA0003808	GENERAL MOTORS CORP	BEAVER DAM BRK	010900	FRAMINGHAM	3471		000.33
MA0000302	DECOTONE DIV. LITTON INDUST.	NASHUA-WHITMAN	010900	WESTMINSTER	4930		000.29
MA0001163	FOSTER GRANT CO-LEOMINSTER	NASHUA-PRIEST B	010900	LEOMINSTER	4930		000.27
MA0001864	PANDEL INC	PAWTUCKET CANAL	010900	LOWELL	4930		000.24
MA0001511	RAYTHEON COMPANY	SUDBURY RIVER	010900	WAYLAND	3679		000.17
MA0002074	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
MA0001759	MICROWAVE ASSOC. INC.	NONE	010900	BURLINGTON	3662		000.16
MA0000124	AVCO EVERETT RESEARCH LAB	MERRIMACK RIVER	010900	HAVERHILL	9911		000.15
MA0002437	NEW ENGLAND MILK PRODUCERS	SHAWSHEEN RIVER	010900	ANDOVER	4930		000.15
MA0003751	STANDARD PYROXOLOID CORP.	NASHUA-MONOOSNO	010900	LEOMINSTER	4930		000.14
MA0003573	CONVERSE RUBBER CO	SHAWSHEEN RIVER	010900	ANDOVER	4930		000.14
MA0004146	COMMODORE FOODS INC	STONY BROOK	010900	WESTFORD	2036		000.10
MA0004436	NEW ENGLAND APPLE PRODUCTS	NASHUA-MILL BRO	010900	LITTLETON	2033		000.10
MA0000523	BORDEN INC - CHEMICAL CO	MERRIMACK RIVER	010900	NORTH ANDOVE	3079		000.10
MA0002069	LAWRENCE GENERAL HOSPITAL	SPICKET RIVER	010900	LAWRENCE	8061		000.10
MA0002984	VERNON PLASTICS CORP	UNNAMED BROOK	010900	HAVERHILL	4930		000.10
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		000.09
MA0000221	BERKEY FILM PROCESSING	NASHUA-BAKER BR	010900	FITCHBURG	7395		000.09
MA0001546	RCA CORP-AEROSPACE SYSTEM DIV	VINE BROOK	010900	BURLINGTON	9903		000.09
MA0000183	BEMIS CO. E.PEPPERELL PLANT	NASHUA-GREEN BR	010900	PEPPERELL	4930		000.08

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NPDES NO.						MAJOR
MA0005835	PARKWOOD LAMINATES INC	RIVER MEADOW	010900	LOWELL	2036	000.08
MA0005681	JEAN ALAN PROD-U.S.PLYWOOD	MERRIMACK RIVER	010900	LOWELL	2519	000.08
MA0000043	STEAM ASSOCIATES	MERRIMACK RIVER	010900	LOWELL	9903	000.07
MA0000370	DU PONT DE NEMOURS AND CO.	NASHUA-FALLSBRO	010900	LEOMINSTER	4930	000.07
MA0001317	THOMAS TAYLOR & SONS INC	ASSABET RIVER	010900	HUDSON	9903	000.06
MA0002542	SHETLAND PROPERTIES, ANDOVER	SHAWSHEEN RIVER	010900	ANDOVER	4930	000.06
MA0003239	ACE PLASTICS CORP.	MERRIMACK RIVER	010900	HAVERHILL	4930	000.06
MA0001333	VIVA MACARONI MFG. CO., INC.	MERRIMACK RIVER	010900	LAWRENCE	9909	000.05
MA0003794	LEONARD I. SHANKMAN MGT. CO.	MERRIMACK RIV	010900	LAWRENCE	4930	000.05
MA0003492	BETTENCOURT TANNING CO.	MERRIMACK	010900	LAWRENCE	3111	000.04
MA0004529	GENERAL LATEX & CHEMICAL CORP	OPEN DITCH	010900	BILLERICA	4930	000.04
MA0001601	P.R. MALLORY & CO INC.	VINE BROOK	010900	BURLINGTON	7391	000.03
MA0001767	HOYT & WORTHEN TANNING CORP.	MERRIMACK RIVER	010900	HAVERHILL	3111	000.03
MA0004201	WACHUSETT POTATO CHIP COMPANY	NASHUA RIVER	010900	FITCHBURG	2090	000.03
MA0002747	CAMBRIDGE TOOL & MFG. CO.	CONCORD	010900	BILLERICA	3470	000.03
MA0002470	BROXS DAIRIES INC.	BARTLETT BROOK	010900	DRACUT	2020	000.03
MA0002607	CONDUCTORLAB, INC					
MA0003077	NYES JAPENAMELAC		010900	CHELMSFORD	3470	000.02
MA0002836	CIRCLE FINISHING INC Y	LITTLE RIVER	010900	NEWBURY	3471	000.02
MA0005258	USM CORPORATION-BAILE DIV	MERRIMACK RIVER	010900	AMESBURY	9902	000.02
MA0004791	RAYTHEON CO.	HOP BROOK	010900	SUDBURY	3679	000.02
MA0000035	AMES TEXTILE,DYE,AND BLENDING	HALES BROOK	010900	LOWELL	9905	000.02
MA0003727	LOREN PRODUCTS--PUREX CORP.	MERRIMACK	010900	LAWRENCE	3291	000.02
MA0003581	BOSTON &	NASHUA-BAKER BR	010900	LUNENBURG	4911	000.01
MA0003548	BOOTT MILL/BOOTT STATES	MERRIMACK RIVER	010900	LOWELL	2231	000.01
MA0000078	AERO PLASTICS	NASHUA-MONOOSNO	010900	LEOMINSTER	4930	000.01
MA0001578	ROGER BROTHERS	NASHUA-BAKER BR	010900	LUNENBURG	2010	000.01
		RIVER	010900	MAYNARD	9903	000.01
MA0004642	ESSEX CHROME PLATING CO	SPICKET RIVER	010900	METHUEN	3471	000.01
MA0001937	IBM CORPORATION					
MA0004774	GENERAL TIRE & RUBBER COMPANY	MERRIMACK RIVER	010900	LAWRENCE	4930	000.01
MA0004863	SHELL OIL CO.	UNNAMED CREEK	010900	WEST BOYLSTO	5092	000.01
MA0004057	NORTH AMERICAN CHEMICAL CO	MERRIMACK R	010900	LAWRENCE	2843	000.01
MA0004464	VULCAN CORP	POW WOW RIVER	010900	AMESBURY	4930	000.01
MA0000728	AVCO SYSTEMS DIV-LOWELL	BLACK BROOK	010900	LOWELL	4930	000.01
MA0003328	AMERICAN EMULSIN CORP.	STORM DRAIN	010900	LAWRENCE	2840	000.01
MA0003255	ISLAND PLASTICS-SERVCO CO.	MERRIMACK RIVER	010900	LAWRENCE	4930	000.01

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NPDES FACILITY LISTING

SORTED BY: ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
MA0003310	MICHAUD BUS LINES	MERRIMACK RIVER	010900	HAVERHILL	7542		000.01
MA0005894	STAR MFG CO.	NASHUA-MONOOSNO	010900	LEOMINSTER	4930		000.01
MA0002887	AIKEN REALTY CORP " "	MERRIMACK RIVER	010900	LOWELL	9999		000.01
MA0005614	DAVIS & FURBER MACHINE CO.	COCHIAWICK BRK	010900	NORTH ANDOVE	4930		000.01
MA0005720	BOOTT MILLS	LOWER PAWTUCKET	010900	LOWELL	4930		000.01
MA0002321	BOYLE BROS.	BLACK BROOK	010900	LOWELL	2086		000.01
MA0002691	FOSS MANUFACTURING	WARD HILL	010900	HAVERHILL	9903		000.01
MA0002496	KENECS CORPORATION	COCHICHEWICK	010900	NORTH ANDOVE	4930		000.01
MA0002810	FORM FIT PLASTICS	MERRIMACK	010900	LOWELL	9908		000.01
MA0002420	ROBINSON TOP & YARN DYE WORKS	CONCORD	010900	LOWELL	2297		000.01
MA0005711	VOGUE WALLCOVERINGS INC.	NASHUA RIVER	010900	FITCHBURG	2644		000.01
MA0005754	COLONIAL PRESS INC-ADAMS ROAD	FULLER POND	010900	CLINTON	4930		000.01
MA0002623	BRAZONICS INC. " " " " " "	UNKNOWN SWAMP	010900	AMESBURY	3470		000.01
MA0002917	WILLIAM TONNER COMPANY	LOWELL LOCK	010900	LOWELL	2200		000.01
MA0002798	AMESBURY METAL PRODUCTS " "	NONE "	010900	AMESBURY	3471		000.01
MA0002488	J. P. STEVENS & CO-STEVENS PLT	COCHICHEWICK	010900	NORTH ANDOVE	4930		000.01
MA0005771	BYFIELD FELTING COMPANY	PAWTUCKET CANAL	010900	LOWELL	2291		000.01
MA0005509	WESTERN ELEC-NEW ENG DIST CTR	SUDBURY RESERVO	010900	SOUTHBOROUGH	4930		000.01
MA0002135	LIQUID CARBONIC CORP.	SHAWSHEEN RIVER	010900	TEWKSBURY	9906		000.01
MA0003158	DER-TEX CORP	MERRIMACK RIVER	010900	LAWRENCE	3069		000.00
MA0002577	NEW ENGLAND NUCLEAR CORP.	NOT STATED	010900	BILLERICA	9901		000.00
MA0003611	CRAIG SYSTEMS/LEONARD SHANKMAN	MERRIMACK RIVER	010900	LAWRENCE	3449		000.00
MA0003433	AMOCO CHEMICALS	SOUTH MEADOW BR	010900	SHREWSBURY	4930		000.00
MA0004448	WEYERHAEUSER CO-PAPER DIVISION	NASHUA-WHITMAN	010900	FITCHBURG	2621	M	020.00
MA0004243	FITCHBURG PAPER CO-LITTON IND.	NASHUA RIVER	010900	FITCHBURG	2621	M	004.80
MA0004049	HAVERHILL PAPERBOARD CO	MERRIMACK RIVER	010900	HAVERHILL	2600	M	004.60
MA0004561	HOLLINGSWORTH & VOSE CO.	NASHUA-SQUANNAC	010900	SHIRLEY	2621	M	004.20
MA0005029	LAWRENCE PAPERBOARD CORP.	MERRIMACK RIVER	010900	LAWRENCE	2631	M	002.30
MA0005185	PEPPERELL PAPER COMPANY	NASHUA RIVER	010900	PEPPERELL	2621	M	002.00
MA0001945	MERRIMAC PAPER COMPANY INC	MERRIMACK	010900	LAWRENCE	2621	M	001.60
MA0000582	LOWELL RENDERING-CORENCO CORP.	CONCORD RIVER	010900	BILLERICA	2094	M	001.30
MA0001139	MERRIMACK MATERIALS INC	JOHNSON'S CREEK	010900	GROVELAND	1442	M	001.10
MA0001414	RAYTHEON CO. MISSILE SYS. DIV.	CONCORD RIVER	010900	BILLERICA	3470	M	000.44
MA0000507	LAWRENCE WOOL SCOURING CO	MERRIMACK RIVER	010900	LAWRENCE	9904	M	000.40
MA0001261	WESTERN ELECTRIC-MERRIMACK VAL	MERRIMACK	010900	NORTH ANDOVE	3470	M	000.36
MA0000426	LAWRENCE MFG. CO-AMES TEXTILE	MERRIMACK RIVER	010900	LOWELL	2256	M	000.29
MA0004189	NORTH BILLERICA CO.	CONCORD RIVER	010900	BILLERICA	2200	M	000.28
MA0003671	ILCO CORPORATION	NASHUA RIVER	010900	FITCHBURG	3470	M	000.22
MA0002216	PELLON CORPORATION	MERRIMACK RIVER	010900	LOWELL	2299	M	000.20
MA0000248	BLACKSTONE MILLS	NASHUA-COUNTERP	010900	CLINTON	2260	M	000.15
MA0000744	GROTON LEATHERBOARD CO	NASHUA-SQUANNAC	010900	WEST GROTON	2631	M	000.15
MA 0000477	GILET WOOL SCOURING	STONY BROOK	010900	NORTH CHELMS	2297	M	000.11
MA0004154	VERTIPILE INC	HALES BROOK	010900	LOWELL	2200	M	000.10
MA0001015	SOUTHWELL COMBING CO.	STONY BROOK	010900	NORTH CHELMS	2200	M	000.08
MA0005410	COWAN & SHAIN INC	LITTLE RIVER	010900	HAVERHILL	2260	M	000.08
MA0002976	ESB INCORPORATED	NASHUA RIVER	010900	CLINTON	3471	M	000.08

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NPDES FACILITY LISTING

NPDE NG WATERS

MA0005550	MERRIMAC METAL FINISHING CO.	COBBLERS BROOK	010900	MERRIMACK	3470	M	000.08
MA0000281	CHASE-SHANMUT COMPANY	MERRIMACK RIVER	010900	NEWBURYPORT	3471	M	000.06
MA0002208	MICROFAB INC	MERRIMACK RIVER	010900	AMESBURY	3471	M	000.05
MA0006033	ARNOLD PRINT WORKS	HOOSIC RIVER	013100	ADAMS	4930		002.90
MA0005991	PFIZER INC MPM DIVISION	HOOSIC RIVER	013100	ADAMS	3200		001.50
MA0005959	GENERAL PHOTO PRODUCTS ANKEN C	GREEN RIVER	013100	WILLIAMSTOWN	4930		000.72
MA0005924	SPRAGUE ELECTRIC CO	HOOSIC RIVER	013100	NORTH ADAMS	3679		000.50
MA0005932	SPRAGUE ELECTRIC-BEAVER ST. PT	HOOSIC RIVER	013100	NORTH ADAMS	9902		000.23
MA0005975	GENERAL CABLE-CORNISH WIRE	GREEN RIVER	013100	WILLIAMSTOWN	3069		000.20
MA0006025	ROCHESTER PAPER CO-ADAMS DIV	HOOSIC RIVER	013100	ADAMS	9902		000.18
MA0006009	W.R. GRACE & CO.	HOOSIC RIVER	013100	ADAMS	4930		000.10
MA0005983	HOLLAND COMPANY	HOOSIC RIVER	013100	ADAMS	2819		000.06
MA0005967	GENERAL CABLE CO	HOOSIC RIVER	013100	NORTH ADAMS	9902		000.00
MA0005941	SPRAGUE ELECTRIC-MARSHALL ST	HOOSIC RIVER	013100	NORTH ADAMS	3479	M	001.70
MA0006017	R.J. WIDEN CO.	HOOSIC RIVER	013100	NORTH ADAMS	3110	M	000.27

NPDES FACILITY LISTING - SORTED BY: ST, BASIN, MAJOR OR MINOR, WATER U S E (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
RI0000728	AURALUX CHEMICAL ASSOCIATES	BUSHY BROOK	010300	HOPKINGTON	4930		000.01
RI0000043	BRADFORD DYEING ASSOC.	PAWCATUCK RIVER	010300	BRADFORD	2200	M	005.50
RI0000094	COLLINS AND AIKMAN CORP/BANGOR	PAWTUCKET RIVER	010300	HOPKINTON	2200	M	000.16
RI0001601	BLACKSTONE VALLEY ELEC-#1CSTA.	PAWTUXET RIVER	010600	PAWTUCKET	4911		016.00
RI0001341	NEWPORT ELECTRIC-W.HOWARD	NARRAGANSETT	010600	NEWPORT	4911		005.80
RI0001147	BRISTOL COUNTY WATER COMPANY	KICKEMUIT RIVER	010600	WARREN	4941		004.00
RI0000302	PT JUDITH FISHERMEN'S COOP	NARRAGANSETT BA	010600	NARRAGANSETT	9902		003.40
RI0001112	BIRD AND SON	OMEGA POND	010600	EAST PROVIDE	4911		002.80
RI0001236	FALSTAFF BREWING-NARRAG. BREW.	PAWTUXET RIVER	010600	CRANSTON	2082		002.06
RI0001503	PACIFIC OIL COMPANY	SAKONNET RIVER	010600	TIVERTON	5092		001.40
RI0000060	CAROL CABLE CO-AVNET,PLANT A	BLACKSTONE R.	010600	PAWTUCKET	4930		001.30
RI0000329	UNIROYAL INC	WOONASQUATUCKET	010600	PROVIDENCE	4939		001.30
RI0001627	WOONSOCKET WATER TREAT. PLANT	BLACKSTONE RIV	010600	WOONSOCKET	4941		001.30
RI0000825	QUINCY DYE WORKS	BLACKSTONE RIV	010600	WOONSOCKET	9902		001.20
RI0001589	PAWTUCKET PUBLIC WORKS	ABBOT RUN STREA	010600	CUMBERLAND	4941		5oi.0fi
RI0000078	CAROL WIRE AND CABLE/AVNET	BLACKSTONE R	010600	PAWTUCKET	4930		001.00
RI0000515	CUMBERLAND PUBLIC WORKS PLANT	BLACKSTONE RIV	010600	CUMBERLAND	4941		61.00
RI0001490	COLLYER INSULATED WIRE CO.	MOSHASSUCK RIV	010600	LINCOLN	4930		001.00
RI0001457	BRISTOL COUNTY WATER COMPANY	NARRAGANSETT BA	010600	BARRINGTON	4941		001.00
RI0000159	ENTERPRISE DYE WORKS	BLACKSTONE RIV	010600	WOONSOCKET	9903		000.81
RI0000591	OKONITE CO	SEEKONK RIVER	010600	RUMFORD	3357		000.68
RI0001261	GRINNELL CO.-CRANSTON	PAWTUXET RIVER	010600	CRANSTON	3321		000.65
RI0001317	KAISER ALUM&CHEM-BRISTOL	NARRAGANSETT BA	010600	BRISTOL	3357		000.60
RI0000850	RIVERSIDE FREEZER & STORAGE	SAKONNET RIVER	010600	TIVERTON	2036		059.6,0
RI0001244	GENERAL ELECTRIC-PROVIDENCE PT	WOONASQUATUCKET	010600	PROVIDENCE	3699		000.50
RI0000949	E. P. A. NAT. MARINE LAB-KINGS	NARRAGANSET BAY	010600	NARRAGANSET	8921		000.50
RI0000965	FORTE BROS--SAND & GRAVEL BANK	BLACKSTONE RIV	010600	WOONSOCKET	1442		000.50
RI0000256	OWENS-CORNING FIBERGLAS CORP	BLACKSTONE RIV	010600	ASHTON	3229		000.50
RI0000388	STAR CITY GLASS CO	PAWTUXET RIVER	010600	COVENTRY	3200		000.49
RI0000213	LEESONA CORP.	PROVIDENCE RIV	010600	WARWICK	4930		000.48
RI0000744	LLOYD MANUFACTURING CO.	WARREN RIVER	010600	WARREN	4930		000.45
RI0001023	E.P.A.-NAT. MARINE WATER LAB	POINT JUDITH P	010600	NARRAGANSETT	7319		000.40
RI0001015	AMERICAN FISH CUL-CROSS MILLS	CROSS MILLS P	010600	CHARLESTON	0980		000.40
RI0001040	FIRST REPUBLIC CORP OF AMERICA	BLACKSTONE RIV	010600	WOONSOCKET	4930		000.40
RI0001473	VICTOR ELECTRIC WIRE & CABLE	PAWTUXET RIVER	010600	WEST WARWICK	3357		000.40
RI0001279	INT'L PAPER-DAVOL INC	PROVIDENCE RIV	010600	PROVIDENCE	3069		000.40
RI0001392	STONE BRIDGE FIRE DISTRICT	MOUNT HOPE BRK	010600	TIVERTON	4941		000.36
RI0000761	FIELDS POINT MFG. CORP.	PROVIDENCE RIV	010600	PROVIDENCE	4930		000.36
RI0000906	GLAS-KRAFT, INC.	BRANCH RIVER	010600	SLATERSVILLE	4930		000.36
RI0001350	MINE SAFETY APPLIANCE CO	WOONASQUATUCKET	010600	SMITHFIELD	3842		000.33
RI0001422	UNITED WIRE & SUPPLY CORP	PAWTUXET RIVER	010600	WARWICK	3350		000.30
RI0000051	BROWN & SHARPE MFG. CO.	HUNT RIVER	010600	NORTH KINGST	3541		000.25
RI0001121	BLOUNT SEAFOOD CORP.	WARREN RIVER	010600	WARREN	4930		000.20
RI0000523	BERKELEY TREATMENT PLANT	NONE LISTED	010600	CUMBERLAND	4941		000.20
RI0000272	WILLIAM HELLER, INC.	TEN MILE RIVER	010600	PAWTUCKET	9903		000.20
RI0001619	JAMESTOWN WATER DEPT	NARRAGANSETT BA	010600	JAMESTOWN	4941		000.20
RI0001155	ASHAWAY LINE & TWINE MFG.	ASHAWAY RIVER	010300	ASHAWAY	2259		001.90
RI0001007	AMERICAN FISH CUL-MAIN HATCHER	WHITE BROOK	010300	RICHMOND	0980		001.00
RI0000221	NARRAGANSETT ELECTRIC CO.	PAWCATUCK RIVER	010300	HOPKINGTON	4930		000.83
RI0001252	GREENE PLASTICS CORP.	CANOCHET BROOK	010300	HOPE VALLEY	3471		000.16
RI0000469	GEORGE C MOORE COMPANY	PAWCATUCK RIVER	010300	WESTERLY	2200		000.04
RI0000108	CHARBERT, INC.	WOOD RIVER	010300	ALTON	2200		000.03
RI0001295	GRISWOLD TEXTILE PRINT	PAWCATUCK RIVER	010300	WESTERLY	2262		000.02

NPDES FACILITY LISTING SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN			
RI0000574	COWAN PLASTICS PRODUCSTS	WOONASQUATUCKET	010600	PROVIDENCE	4930	000.2(
RI0000701	HOPE-ECKO BUILDINGS	MOSHASSUCK RIV	010600	PAWTUCKET	4930	000.2(
RI0000671	U S NAVAL BASE COODINGTON COVE	NARRAGANSETT BA	010600	MIDDLETOWN	4960	000.1[
RI0001465	ATLANTIC TUBING & RUBBER CO	PAWTUXET RIVER	010600	CRANSTON	3079	000.1[
RI0000558	NAVAL AIR STATION-QUONSET PT.	NARRAGANSET BAY	010600	KINGSTON	4931	000.1[
RI0001511	NEWPORT WATER DEPT-LAWTON PLT.	NARRAGANSETT BA	010600	PORTSMOUTH	4941	000.1[
RI0000779	RIVERPOINT LACE WORKS	PAWTUXET RIVER	010600	WEST WARWICK	2200	000.1[
RI0001082	SERVICE COLOR CORP OF R.I.	BRANCH RIVER	010600	SLATERSVILLE	4930	000.1[
RI0001309	KAISER ALUM & CHEM-PORTSMOUTH	NARRAGANSETT BY	010600	PORTSMOUTH	4930	000.1[
RI0001031	MOSSBERG/HUBBARD-WANSKUCK CO	ABBOTT RUN	010600	CUMBERLAND	4930	000.1[
RI0000680	UNCAS MFG. COMPANY	WOONASQUATUCKET	010600	PROVIDENCE	4930	000.1[
RI0001546	HOMART DEVELOPMENT CO	PAWTUXET RIVER	010600	WARWICK	4934	000.1[
RI0000019	AMPEREX ELECTRONIC CORP	BRANCH RIVER	010600	SLATERSVILLE	3611	000.1[
RI0000281	RAYTHEON CO-SUB SIGNAL DIV	NARRAGANSETT BA	010600	PORTSMOUTH	3470	000.1[
RI0000116	CONSOLIDATED THERMOPLASTIC	BRANCH RIVER	010600	BURRILLVILLE	3079	000.1[
RI0000876	ELIZABERTH WEBBING MILLS	BLACKSTONE RIV	010600	CENTRAL FALL	2241	000.0[
RI0001058	FIRST REPUBLIC CORP OF AMERICA	BLACKSTONE RIV	010600	WOONSOCKET	4930	000.0[
RI0001431	U.S. OIL CO	OMEGA POND	010600	PHILIPSDALE	4934	000.0[
RI0001287	EDDCO CORP-BARRINGTON PLANT	BARRINGTON RIV	010600	BARRINGTON	4930	000.08
RI0000396	SEALOL INC	PAWTUXET RIVER	010600	WARWICK	3599	000.08
RI0001481	TEXACO INC--PROVIDENCE	PROVIDENCE RIV	010600	PROVIDENCE	2900	000.07
RI0000442	GULF OIL CORP	MOUNT HOPE BAY	010600	FIVERTON	5092	000.07
RI0000141	EAST GREENWICH DRAIN	HUNT RIVER	010600	EAST GREEN	2026	000.07
RI0000230	NARRAGANSETT GREY IRON FOUNDRY	WOONASQUATUCKET	010600	SMITHFIELD	4930	000.07
RI0000710	ENGINEERED YARNS, INC.	PAWTUXET RIVER	010600	COVENTRY	4930	000.07
RI0000931	CHEMICAL PRODUCTS CORP	PROVIDENCE RIV	010600	EAST PROVIDE	4930	000.06
RI0000175	HALE MANUFACTURING CO.	SAUGATUCKET RIV	010600	SOUTH KINGST	2262	000.06
RI0000477	UNITED NUCLEAR CORPORATION	PAWCATUCK RIVER	010600	CHARLESTOWN	4930	000.06
RI0000507	STILLWATER COMBING CO. INC.	CLEAR RIVER	010600	BURRILLVILLE	2200	000.06
RI0001520	NEWPORT STATION #1-WATER PLANT	NARRAGANSETT BA	010600	NEWPORT	4941	000.06
RI0000299	RHODE ISLAND LACE WORKS	NARRAGANSETT	010600	WEST BARRING	2200	000.05
RI0001180	CORNING GLASS WORKS	BLACKSTONE RVER	010600	CENTRAL FALL	3229	000.05
RI0000621	U S NAVAL BASE NEWPORT-BLD 86	NARRAGANSETT BA	010600	NEWPORT	4930	000.05
RI0001091	RHODE ISLAND LACE WORKS	NARRAGANSETT BA	010600	WEST BARRING	2200	000.05
RI0000868	INDUSTRIAL MACHINE CORP.	WOONASQUATUCKET	010600	SMITHFIELD	4930	000.04
RI0000973	CADILLAC TEXTILES	BLACKSTONE RIVE	010600	CUMBERLAND	4930	000.04
RI0001635	PROVIDENCE GRANITE CO.	WOONASQUATUCKET	010600	PROVIDENCE	3281	000.04
RI0001325	GULF OIL-E. PROVIDENCE	PROVIDENCE RIV	010600	EAST PROVIDE	5983	000.04
RI0000361	EXXON OIL-E.PROVIDENCE TERMINA					000.04
RI0000531	US PHILIPS-CRYOGENIC DIV					000.04
RI0000485	TUPPERWARE COMPANY					000.04
RI0001376	PRODUCTS DEVELOPMENT LAB., INC.					000.03
RI0001562	ATTCUM PRODUCTS-ATLAS CABLE DI					000.03
RI0000639	U S NAVAL BASE NEWPORT-BLD 46					000.02
RI0001538	NORTHEASTERN DYE WORKS					000.02

NPDES FACILITY LISTING SORTED BY * ST BASIN MAJOR OR MINOR WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M MGD
RI0000809	ANDREW WOSTED MILLS	BLACKSTONE RIV	010600	PASCOAG	2262	000.02
RI0001597	ALLIED CHEMICAL - PROVIDENCE	PROVIDENCE RIV	010600	PROVIDENCE	9903	000.02
RI0001384	C.H. SPRAGUE & SON-TERMINAL	PROVIDENCE RIV	010600	PROVIDENCE	4930	000.02
RI0000124	A. T. CROSS CO.	CROOK FALL BRK	010600	LINCOLN	4930	000.02
RI0001104	AMERICAN OIL COMPANY	PROVIDENCE RIV	010600	EAST PROVID	5092	000.02
RI0000566	TUPPERWARE CO-BRANCH RIVER LAB	BRANCH RIVER	010600	NORTH SMITHF	9902	000.02
RI0000540	DEEP ROCK INC	NARRAGANSETT BA	010600	WEST BARRING	2086	000.01
RI0001571	R. I. NUCLEAR SCIENCE CENTER	NARRAGANSET BAY	010600	NARRAGANSETT	9903	000.01
RI0001163	BUDLONG MFG. CO.	PAWTUXET RIVER	010600	CRANSTON	9903	000.01
RI0000183	JONELL CORP.	CLEAR RIVER	010600	BURRILLVILLE	2269	000.01
RI0000205	KLEENWAY LAUNDERETTE	PAWTUXET RIVER	010600	COVENTRY	7215	000.01
RI0000167	F & G ELECTROPLATING	PROVIDENCE RIV	010600	CRANSTON	3471	000.01
RI0000311	ROCHAMBEAU WORSTED,WESTWOOD IN	BLACKSTONE RIV	010600	MANVILLE	9903	000.01
RI0000086	CITIES SERVICE	BLACKSTONE	010600	SLATERSVILLE	9909	000.01
RI0001198	FACTORY MUTUAL ENGR. CORP.	FIVE MILE RIVER	010600	WEST GLOCEST	9905	000.01
RI0000027	AMERICAN TUBE & CONTROL	PAWTUXET RIVER	010600	WEST WARWICK	9910	000.01
RI0000981	CONCORDIA MFG CO	PAWTUXET RIVER	010600	COVENTRY	4930	000.01
RI0001678	INTERNATIONAL FIBRES, INC.	NONE	010600	WOONSOCKET	9999	000.01
RI0001066	BIRCH HILL POULTRY FARM	BLACKSTONE RIVE	010600	NORTH SMITHF	4930	000.01
RI0000833	MAYS MFG-MARSHALL & MEIER CO	PROVIDENCE RIV	010600	WARWICK	4930	000.01
RI0000914	RHODE ISLAND-NAT. GUARD SCUIT	PAWTUXET RIVER	010600	SCITUATE	9902	000.01
RI0000752	GREENVILLE LAUNDRIMAT	PAWTUXET RIVER	010600	GREENVILLE	7215	000.01
RI0000817	LEW MFG. COMPANY	PAWTUXET RIVER	010600	COVENTRY	3740	000.01
RI0001660	CURRAN & BURTEN-TEXACO(TIVER)	SAKONNET RIVER	010600	TIVERTON	5092	000.01
RI0001686	NATIONAL GUARD-EAST GREENWICH	HUNT RIVER	010600	EAST GREENWI	7538	000.01
RI0001074	H AND H SCREW PRODUCTS	BLACKSTONE RIVE	010600	LINCOLN	9903	000.01
RI0000990	CAL CHEMICAL CORPORATION	PAWTUXET RIVER	010600	COVENTRY	4930	000.01
RI0000692	FAIRMOUNT DAIRY	BLACKSTONE RIV	010600	WOONSOCKET	9903	000.01
RI0001651	GETTY OIL-E. PROVIDENCE TERM	TEN MILE RIVER	010600	EAST PROVID	5092	000.01
RI0000957	NATIONAL GUARD,WOONSOCKET MAIN	BLACKSTONE RIVE	010600	WOONSOCKET	7538	000.01
RI0000787	CITY DAIRY COMPANY	PETERS RIVER	010600	WOONSOCKET	9903	000.01
RI0001694	R.I. NATIONAL GUARD WARREN	BELCHER COVE	010600	WARREN	9902	000.01
RI0000736	WICKFORD LAUNDRY, INC.	MILL BROOK	010600	NORTH KINGST	7211	000.01
RI0001643	LEHIGH PORTLANT CEMENT-PROVID.	PROVIDENCE	010600	PROVIDENCE	3214	000.01
RI0000604	AMERICAN CLAD METALS INC	BLACKSTONE	010600	CENTRAL FALL	4930	000.01
RI0000698	ECLIPSE FOOD PRODUCTS CORP	PAWTUXET RIVER	010600	WARWICK	2070	000.01
RI0000655	U S NAVAL BASE GOULD ISLAND	NARRAGANSETT BA	010600	JAMESTOWN	4911	000.01
RI0001708	OKONITE CO-ASHTON	BLACKSTONE RIVE	010600	ASHTON	4930	000.01
RI0020150	US NAVAL BASE, NEWPORT	NARRAGANSATT B	010600	NEWPORT	4911	000.00
RI0000663	U S NAVAL BASE CODDINGTON PT	NARRAGANSETT BA	010600	NEWPORT	4941	000.00
RI0000612	CROMPTON HATCHERY	NARRAGANSETT BA	010600	WEST WARWICK	0980	000.00
RI0000647	U S NAVAL BASE NEWPORT-BLD 121	NARRAGANSETT BA	010600	NEWPORT	4941	000.00
RI0001554	FIRST REPUBLIC AMERICA-HANORA	CLEAR RIVER	010600	BURRILVILLE	9909	000.00
RI0000582	FIRST REPUBLIC AMERICA-WOONSOC	CLEAR RIVER	010600	BURRILVILLE	9909	000.00
RI0000922	RHODES ASSOCIATES, INC.	WOONASQUATUCKET	010600	NORTH PROVID	0000	000.00
RI0000353	ATLANTIC RICHFIELD CO. KETTLE	PROVIDENCE RIV	010600	EAST PROVID	5092	000.00

NPDES FACILITY LISTING SORTED BY : ST. BASIN, MAJOR OR MINOR, WATER USE (DESCEND)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
RI0000370	ELECTRONIC PRECISION CIRCUITS	WOONASQUATUCKET	010600	OLNEYVILLE	3470		000.00
RI0000418	NORTHEAST PETROLEUM CORP	SAKONNET RIVER	010600	TIVERTON	5092		000.00
RI0000451	ARROW LAKES DAIRY	PAWTUXET RIVER	010600	CRANSTON	9901		000.00
RI0000426	NORTHEAST PETROLEUM CORP	PROVIDENCE RIV	010600	PROVIDENCE	5092		000.00
RI0000434	NARRAGANSETT ELECTRIC-MANCHEST	PROVIDENCE RIV	010600	PROVIDENCE	4911	M	192.00
RI0000493	NARRAGANSETT ELECTRIC-SOUTHNST	PROVIDENCE RIV	010600	PROVIDENCE	4911	M	131.00
RI0001449	WASHBURN WIRE-PHILLIPSDALE DIV	SEEKONK RIVER	010600	EAST PROVIDE	3310	M	012.00
RI0001171	CIBA-GEIGY CORP.	PAWTUXET RIVER	010600	CRANSTON	2818	M	003.60
RI0000132	AMERICAN HOECHST CORP.	PAWTUXET RIVER	010600	COVENTRY	2800	M	003.00
RI0001333	MOBIL OIL-E. PROVIDENCE REF.	PROVIDENCE RIV	010600	EAST PROVIDE	2911	M	002.20
RI0000400	PAWTUXET VALLEY DYEING CO	PAWTUXET RIVER	010600	COVENTRY	2256	M	001.10
RI0000264	PALISADES INDUSTRIES INC	SAUGATUCKET RIV	010600	SOUTH KINGS	2262	M	000.90
RI0001414	UNITED WIRE AND SUPPLY CORP	PAWTUXET RIVER	010600	CRANSTON	3471	M	000.67
RI0000191	KENYON PIECE DYEWORKS, INC.	PAWCATUCK RIVER	010600	CHARLESTOWN	2269	M	000.45
RI0001139	BOSTITCH INC./TEXTRON	HUNT RIVER	010600	EAST GREENWI	3471	M	000.43
RI0000984	STAMMINA MILLS	BRANCH RIVER	010600	NORTH SMITHF	2231	M	000.37
RI0000345	YAWGOO FINISHING CO	CHIPUXET RIVER	010600	EXETER	2256	M	000.28
RI0000248	ORIGINAL BRADFORD SOAP WORKS	PAWTUXET RIVER	010600	WEST WARWICK	2841	M	000.14
RI0001210	ESSEX CHEMICAL CORP-RUMFORD PT	TEN MILE RIVER	010600	EAST PROVIDE	2810	M	000.12
RI0001201	CRANSTON PRINT WORKS	POCASSET RIVER	010600	CRANSTON	9903	M	000.10
RI0000795	ACE DYEING & FINISHING	PAWTUXET RIVER	010600	WEST WARWICK	2269	M	000.10
RI0000841	HOPE VALLEY DYEING CORP.	PAWTUXET RIVER	010600	WEST WARWICK	2292	M	000.10
RI0001368	PILLING CHAIN CO	PROVIDENCE RIV	010600	BARRINGTON	3421	M	000.05
RI0000035	ARKWRIGHT-INTERLAKEN INC.	PAWTUXET RIVER	010600	COVENTRY	2200	2	001.00

NPDES FACILITY LISTING SORTED BY: ST, BASIN, MAJOR Of? MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY/TOWN	PRIMESIC	MAJOR=M MG	
CT0001317	GREENWICH WATER CO.	HORSENECT BROOK	010100	GREENWICH	4941	" - - - "	0 1 2 :
CT0003301	NORWALK 1ST DIST WATER DEPT	NORWALK RIVER	010106,	NORWALK		4941	005.
CT0001325	GREENWICH WATER CO.	MIANUS RIVER	010100	GREENWICH		4941	004.
CT0003026	BRIDGEPORT BRASS, NATIONAL DIS.	PEQUONNOCK	010100	BRIDGEPORT	3351		002.
CT0001899	REMINGTON ARMS CO, INC	EAST" BROOK	010100	BRIDGEPORT	1961		001.
CT0002054	REMINGTON ARMS CO, INC	PEMBROKE L A K E	010100	BRIDGEPORT	1961		001.
CT0000817	C O JELLIFF CORP	UNAMED BROOK	010100	FAIRFIELD	4930"		000.
CT0002151	HANDY & HARMAN	TURNEY CREEK	010100	FAIRFIELD 3340			000.
CT0002208	CONN WATER CO-GUILFORD PLANT	WEST RIVER	010100	GUILFORD 4941			000.
CT0002917	GILBERT & BENNETT MFG. CO.	NORWALK RIVER	010100	GEORGETOWN	4930		000.
CT0003867	HARTFORD ELECTRIC LIGHT CO	LONG ISLAND	010100	STAMFORD	9906	"	000.
CT0000981	PITNEY-BOWES-STAMFORD PLANTS	CITY SEWER	010100	STAMFORD	3470		000.
CT0000892	NEW HAVEN TRAP ROCK PLANT #7	BURR BROOK	010100	NORTH BRANFO.	1429		000.
CT0000418	E.I. DU PONT COMPANY-FAIRFIELD	STORM SEWER	010100	FAIRFIELD	4930		000.
CT0001261	UNITED ALUMINUM CORP.	MUDDY RIVER	010100	NORTH HAVEN	3352		000.
CT0003816	BOSTITCH INC	HAMMONASSETT	010100	CLINTON	3471		000.
CT0000256	CERRO WIRE & CABLE CO	MILL RIVER	010100	"-NEW HAVEN	4930		000.
CT0000442	ESB INCORPORATE	MILL RIVER	010100	FAIRFIELD	3691		000.
CT0003310	NORWALK 2ND DIST WATER DEPT	BELDEN HILL BRK	010100	WILTON	4941		000.
CT0003328	PERKIN-ELMER-CORP OFFICES	NORWALK RIVER	010100	NORWALK	4930		000.
CT0003298	NORDEN, DIV OF UNITED AIRCRAFT	SAUGATUCK HARB	010100	NORWALK	4930		000.
CT0003204	SEALTEST FOODS-KRAFTCO CORP.	NOROTON RIVER	010100	STAMFORD	2026		000.
CT0001449	WESTINGHOUSE-BLAKESLEE CONC.	MILL RIVER	010100	NEW HAVEN	9902		000.
CT0000299	CHESEBROUGH-POND'S INC.	SELDONS CREEK	010100	CLINTON	2844		000.
CT0000680	INTERNATIONAL SILVER CO.	HARBOR BROOK	010100	MERIDEN	3964		000.
CT0001921	J.L. LUCAS & SON INC	TURNEY REEK	010100	FAIRFIELD	5084		000.
CT0000213	BRIDGEPORT MOULDED PRODUCTS	STORM SEWER	010100	FAIRFIELD	3079		000.
CT0002801	F.A.G. BEARING CORP	UNNAMED BROOK	010100	STAMFORD	4930		000.
CT0004171	AMERICAN CAN CO-GREENWICH	BYRAM RIVER	010100	GREENWICH	4930		000.
CT0000761	MCKESSON LABORATORIES	TURNEY CREEK	010100	FAIRFIELD	4930		000.
CT0003336	PERKIN-ELMER-OPTICAL GRP EAST	NORWALK RIV	010100	SOUTH WILTON	4930		000.
CT0000965	POLYMER INDUSTRIES, INC.	NORTON RIVER	010100	STAMFORD	2891		000.
CT0003409	SEAMLESS RUBBER CO-DART IND.	NEW HAVEN HARBR	010100	NEW HAVEN	3069		000.
CT0000663	HEPPENSTAL CO	CEDAR CREEK	010100	BRIDGEPORT	9906		000.
CT0001589	DIXON SINTALOY INC	STORM WATER	010100	STAMFORD	4930		000.
CT0000493	FERRO CORPORATION	NORWALK RIVER	010100	NORWALK	3079		000.
CT0004154	PENN. CENTRAL-NEW HAVEN DIESEL	NEW HAVEN HAR	010100	NEW HAVEN	4011		000.
CT0001937	MITE CORP	WEST RIVER	010100	NEW HAVEN	3470		000.
CT0001961	STAMFORD POLISHING & PLATING	STAMFORD SEWER	010100	STAMFORD	3471		000.
CT0000116	ARMSTRONG RUBBER COO	STORM SEWER	010100	NEW HAVEN	3011		000.
CT0000329	CLARK METAL PRODUCTS INC	STORM SEWER	010100	FAIRFIELD	3471		000.
CT0001121	WAVERLY CHEMICAL CO	EAST CREEK	010100	GUILFORD	4930		000.
CT0000941	KING INDUSTRIES INC	NORWALK RIVER	010100	NORWALK	2818		000.
CT0002143	BRIDGEPORT MACHINES-TEXTRON CO	SEELYS POND	010100	BRIDGEPORT	3471		000.
CT0001783	GLOBE SLICING MACHINE CO	LONG ISL SOUND	010100	STAMFORD	9903		000.
CT0002585	A. G. I. RUBBER COMPANY	PEQUONNECK	010100	BRIDGEPORT	3069		000.

NPDES FACILITY LISTING SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
[illegible]	[illegible]	WEST RIVER	010100	NEW HAVEN	4930		000.0
CT0001775	GOLDFEDER SILVERWARE CO	UNNAMED STREAM	010100	YALESVILLE	3471		000.02
CT0002810	CONN. HARD RUBBER CO	MILL RIVER	010100	NEW HAVEN	4930		000.02
CT0003344	PERKIN-ELMER CORP	NORWALK RIVER	010100	SOUTH WILTON	4930		000.02
CT0000205	BRIDGEPORT BRASS,NATIONAL DIS.	KEELER BROOK	010100	SOUTH NORWAK	3471		000.02
CT0000230	BUCKLEY BROS.	JOHNSONS CREEK	010100	BRIDGEPORT	5092		000.01
CT0004189	EXXON OIL-BYRAM TERMINAL	BYRAM RIVER	010100	BYRAM	5092		000.01
CT0002569	TALLMADGE BROTHERS INC.	NORWALK RIVER	010100	NORWALK	2036		000.01
CT0004111	CONN. LIGHT & POWER-NORWALK PT	NORWALK R	010100	NORWALK	5092		000.07
CT0001562	PURNDY CORPORATION	FIVE MILE RIVER	010100	NORWALK	4930		000.01
CT0001724	NEW CANAAN WATER CO	FIVE MILE RIVER	010100	NEW CANAAN	4941		000.01
CT0002453	METROPOLITAN PETROLEUM CO.	RIPPOWAM RIVER	010100	STAMFORD	5092		000.01
CT0001988	PLATT & LABONIA CO	STORM SEWER	010100	NORTH HAVEN	3470		000.01
CT0003069	CHEVRON OIL CO	STAMFORD HARBOR	010100	STAMFORD	5092		000.00
CT0001996	N.E. PRINTING & LITHOGRAPHING	STORM SEWER	010100	TRUMBULL	2752		000.0
CT0002551	DEVINE BROTHERS INC.	NORWALK RIVER	010100	NORWALK	3271		000.0
CT0000124	ATLANTIC RICHFIELD	NEW HAVEN HARB	010100	NEW HAVEN	5092		000.0
CT0003778	UNITED ILLUMINATING-BRIDGEPORT	BRIDGEPORT HARB	010100	BRIDGEPORT	4911	M	559.0
CT0003794	UNITED ILLUMINATING-ENGLISH ST	MILL RIVER	010100	NEW HAVEN	4911	M	343.0
CT0003093	CONN. LIGHT & POWER-NORWALK HB	LONG ISLAND SOU	010100	NORWALK	4930	M	317.0
CT0003808	UNITED ILLUMINATING-STEEL PT.	BRIDGEPORT HARB	010100	BRIDGEPORT	4911	M	163.0
CT0001767	GENERAL ELECTRIC-BRIDGEPORT PT	STILLMAN POND	010100	BRIDGEPORT	3634	M	013.0
CT0003042	CARPENTER TECH CORP-STEEL DIV	BRIDGEPORT HAR	010100	BRIDGEPORT	3312	M	004.1
CT0003743	FEDERAL PAPER BOARD CO INC	MILL RIVER	010100	NEW HAVEN	2631	M	001.7
CT0003361	MACHLETT LABORATORIES INC	SPRINGDALE BRK	010100	STAMFORD	3471	M	001.2
CT0003425	SIMKINS IND-NEW HAVEN BOARD DI	MILL RIVER	010100	NEW HAVEN	2631	M	000.9
CT0001686	BULLARD CO-WHITE CONSOLIDATED	ASH CREEK	010100	FAIRFIELD	3471	M	000.5
CT0004162	GAF CORP. IND. PRODUCTS DIV.	BYRAM RIVER	010100	GREENWICH	9904	M	000.3
CT0003221	MARLIN FIREARMS COMPANY	WATERMANS BROOK	010100	NORTH HAVEN	3471	M	000.18
CT0001694	CONSOLIDATED INDUSTRIES	TEN MILLE RIVER	010100	CHESHIRE	3471	M	000.14
CT0000451	ELECTROLUX-DIV OF CONSOL. FOOD	LONG ISLAND SOU	010100	OLD GREENWIC	3470	M	000.0
CT0003786	UNITED ILLUMINATING-DERBY STA.	HOUSATONIC RIV	010200	DERBY	4911		053.0
CT0001163	STAR PIN COMPANY	HOUSATONIC RIV	010200	SHELTON	3470		020.0
CT0004103	WARE [illegible]	LONG BROOK	010200	STRATFORD	4930		010.0
CT0002976	ANACONDA AMERICAN BRASS-VALLEY	NAUGATUCK RIVER	010200	WATERBURY	3351		006.1
CT0002305	DANBURY, CITY FILTRATION PLANT	MARGERIE BROOK	010200	DANBURY	4941		003.1
CT0001309	UNIROYAL INC-FOOTWEAR PLANT	NAUGATUCK RIVER	010200	NAUGATUCK	3021		001.7
CT0001716	SIKORSKY AIRCRAFT	HOUSATONIC	010200	STRATFORD	4930		001.1
CT0000531	B.F. GOODRICH CO	HOUSATONIC RIV	010200	DERBY	4930		001.0
CT0000191	BRIDGEPORT BRASS,NATIONAL DIS.	NAUGATUCK RIVER	010200	SEYMOUR	3351		000.81
[illegible]	[illegible]	NAUGATUCK RIVER	010200	DERBY	1496		000.6
CT0003620	USM CORPORATION FARRELL CO	NAUGATUCK RIVER	010200	ANSONIA	4930		000.5
CT0000311	CITIES SERVICE CO-NEW HAVEN CU	NAUGATUCK RIVER	010200	SEYMOUR	3351		000.4
CT0001210	INGERSOLL-RAND	STORM SEWER	010200	TORRINGTON	3562		000.3

NPDES FACILITY LISTING — SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M MGD
CT0000931	ONEGLIA & GERVASINI BLDG. MAT.	NAUGATUCK RIVER	010200	HARWINTON	1440	000.38
CT0003531	TORIN CORP-AIR IMPELLER	NAUGATUCK RIVER	010200	TORRINGTON	3564	000.33
CT0000477	UNIROYAL INC-FABRIC FIRE HOSE	POTATUCK RIVER	010200	SANDY HOOK	3069	000.30
CT0002496	BEARD CONST.CO-DERBY SAND & GR	NAUGATUCK	010200	DERBY	3200	000.30
CT0002411	AMERICAN CYANAMID CO.	STILL RIVER	010200	DANBURY	4930	000.29
[illegible]	SHERWOOD MEDICAL INDUSTRIES	STEELE BROOK	010200	WATERBURY	3841	000.26
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CT0000094	PETER PAUL INC.	DOOLITTLE BROOK	010200	NAUGATUCK	4930	000.25
CT0001236	INGERSOLL-RAND CO.	STORM SEWER	010200	TORRINGTON	3964	000.25
CT0003905	LEVERTY & HURLEY CO	NAUGATUCK RIVER	010200	BEACON FALLS	1442	000.24
CT0001040	REPUBLIC FOIL (NATIONAL STEEL)	STILL RIVER	010200	DANBURY	4930	000.24
CT0002879	ROBERTSHAW CONTROLS,LUX DIV	MAD RIVER	010200	WATERBURY	4939	000.22
CT0001023	ROSS&ROBERTS INC MFG. PLT.	FERRY CREEK	010200	STRATFORD	4930	000.20
CT0002828	TIMEX CORP.	LONG POND BROOK	010200	MIDDLEBURY	3471	000.16
CT0002666	H. K. PORTER-REFACTORIES DIV.	HOUSATONIC RIV	010200	SHELTON	4930	000.15
CT0003981	PFIZER INC.-QUARRY	BLACKBERRY RIV	010200	NORTH CANAAN	1422	000.15
CT0002887	TILO COMPANY	HOUSATONIC	010200	STRATFORD	4930	000.15
CT0000515	GEDNEY ELECTRIC CO.	PEQUABUCK RIVER	010200	TERRYVILLE	4930	000.15
CT0002518	HOMER D. BRONSON COMPANY	BRONSON BROOK	010200	BEACON FALLS	3471	[illegible]
CT0002402	NATIONAL SEMICONDUCTOR CORP.	STILL RIVER	010200	DANBURY	3674	000.13
CT0002349	BEROL PRODUCTS-BEROL CORP.	STILL RIVER	010200	DANBURY	4930	000.12
CT0003999	DANBURY DEPT. PUBLIC WORKS	BOGGS BROOK	010200	DANBURY	4941	000.11
CT0003646	FARREL COMPANY,.USM CORP.	NAUGATUCK RIVER	010200	ANSONIA	4930	000.10
CT0003654	VANDERBILT CHEMICAL CORP	SYMPAUG RIVER	010200	BETHEL	2818	000.10
CT0000591	HERSHEY METAL PRODUCTS INC	STORM SEWER	010200	ANSONIA	9903	000.10
CT0001350	U O P AEROSPACE DIVISION	BANTAM RIVER	010200	BANTAM	2531	000.08
CT0002977	NEW MILFORD WATER COMPANY	HOUSATONIC RIV	010200	NEW MILFORD	4941	000.07
CT0001198	TELEDYNE ANSONIA MFG.	NAUGATUCK RIVER	010200	ANSONIA	3451	000.05
CT0000833	NAUGATUCK GLASS CO., INC.	HOP BROOK	010200	NAUGATUCK	3231	000.05
CT0000281	CHASE BRASS & COPPER CO	GREAT BROOK	010200	WATERBURY	3360	000.04
CT0000396	DONHAM CRAFT INC	NAUGATUCK RIVER	010200	THOMASTON	9902	000.04
CT0001601	DRAWN METAL TUBE COMPANY	NAUGATUCK RIVER	010200	THOMASTON	3471	000.04
CT0001546	BURNDY CORPORATION	HOUSATONIC RIV	010200	NEW MILFORD	3679	[illegible]
CT0003549	TRUELOVE & MACLEAN INC	MACK BROOK	010200	WATERBURY	3461	000.04
CT0002364	RISDON MFG CO-WATERBURY PLANT	SMOGG BROOK	010200	WATERBURY	3471	000.04
[illegible]	[illegible]	BEAVER BROOK	010200	ANSONIA	3471	000.04
[illegible]	SEYMOUR PAPER [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	04
CT0002071	ALL-BRITE CHEMICAL CORP	STEELES BROOK	010200	WATERTOWN	3471	000.03
CT0001945	WATERBURY COMPANIES INC	MAD RIVER	010200	WATERBURY	3079	000.03
CT0001848	MARCUS DAIRY INC	NOT STATED	010200	DANBURY	2020	000.03
CT0002836	TORIN CORP.	STILL RIVER	010200	TORRINGTON	4930	000.03
[illegible]	FITZGERALD MFG.	NAUGATUCK RIVER	010200	TORRINGTON	2200	000.03
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0
CT0002607	DIVENTCO INC.	HOUSATONIC RIV	010200	NEW MILFORD	3471	000.02
CT0001732	EMPIRE STATE NOVELTY CORP	HOUSATONIC RIV	010200	SHELTON	3471	000.02
CT0003697	WIRE NOVELTY COMPANY	HOUSATONIC RIV	010200	SHELTON	3471	000.01

NPDES FACILITY LISTING SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
CT0001597	DOOVAL TOOL & MFG INC	LONG MEADOW BRK	010200	NAUGATUCK	3461		000.01
CT0003735	BASKIN-ROBBINS EASTERN CORP	POMERAUG RIVER	010200	SOUTHBURY	2024		000.01
CT0001571	CABOT CORPORATION	SYMAUG RIVER	010200	BETHEL	3471		000.01
CT0004081	SAMARIOUS INDUSTRIES	BURYING GRND BR	010200	SHELTON	3471		000.01
CT0002682	HARVEY HUBBELL-PLASTICS DIV.	ACUSHNET RIVER	010200	NEWTOWN	3079		000.01
CT0004120	ALLIED CONTAINER	TOM BROOK	010200	NEWTOWN	4930		000.01
CT0002844	JOHNSON METAL HOSE, INC.	MAD RIVER	010200	WATERBURY	3599		000.01
CT0002640	GARNER HOSTESS INDUSTRIES	NAUGATUCK	010200	BEACON FALLS	4930		000.01
CT0002755	HIGHLAND MANUFACTURING CO.	MAD RIVER	010200	WATERBURY	9903		000.01
CT0003689	WATERBURY STEEL BALL CO INC	STEELE BROOK	010200	WATERBURY	9906		000.01
CT0002356	EPAC STRIPPING & DIPPING CO.	GREAT BROOK	010200	WATERBURY	3471		000.01
CT0003191	KEUFFEL & ESSER COMPANY	FACTORY BROOK	010200	LAKEVILLE	4930		000.01
CT0000728	KRESS CREATIONS	NAUGATUCK RIVER	010200	SEYMOUR	4930		000.01
CT0000337	COLONIAL BRONZE CO	TROY BROOK	010200	TORRINGTON	3471		000.01
CT0002852	CLY-DEL MANUFACTURING	MAD RIVER	010200	WATERBURY	4930		000.01
CT0000361	CONN.ELECTRO-PLATE-AQUATIC SYS	STORM DRAIN	010200	WATERBURY	3471		000.00
CT0001619	ELECTRONICS METAL FINISH CORP	STILL RIVER	010200	DANBURY	3471		000.00
CT0002542	BETHEL WATER TREAT. PLANT	CHESTNUT BROOK	010200	BETHEL	4941		000.00
CT0003107	CONN. POWER & LIGHT-DEVON PT.	HOUSATONIC RIV	010200	DEVON	4911	M	375.00
CT0003948	SCOVILL MFG CO	MAD RIVER	010200	WATERBURY	3471	M	035.00
CT0000540	B.F. GOODRICH CO	HOUSATONIC RIV	010200	SHELTON	3060	M	021.00
CT0003051	CHASE BRASS & COPPER CO-METAL	NAUGATUCK RIVER	010200	WATERBURY	3360	M	011.00
CT0003611	UNIROYAL INC. CHEMICAL DIV.	NAUGATUCK RIV	010200	NAUGATUCK	2818	M	007.60
CT0003930	SCOVILL MFG-TUBE MILLS	HOUSATONIC RIV	010200	NEW MILFORD	3351	M	004.30
CT0002984	AVCO,LYCOMING-USAF PLANT #43	HOUSATONIC RIV	010200	STRATFORD	3741	M	003.20
CT0003212	KIMBERLY-CLARK-NEW MILFORD	HOUSATONIC RIV	010200	NEW MILFORD	2647	M	002.70
CT0002968	ANACONDA AMERICAN BRASS-VALLEY	NAUGATUCK RIVER	010200	ANSONIA	3471	M	002.60
CT0001881	RAYBESTOS-MANHATTAN-STRATFORD	HOUSATONIC	010200	STRATFORD	3292	M	002.00
CT0002909	UNION HARDWARE DIV,BRUNSWICK	NAUGATUCK RIVER	010200	TORRINGTON	3471	M	001.80
CT0000639	HULL DYE & PRINT WORKS	HOUSATONIC	010200	DERBY	2260	M	001.50
CT0000850	NESTLE CO-MAGGI DIV.	HOUSATONIC RIV	010200	NEW MILFORD	2099	M	001.10
CT0002194	RISDON MFG CO-FMP DIV.	LONG MEADOW BRK	010200	NAUGATUCK	3470	M	000.97
CT0003166	FLEISHER FINISHING INC.	MAD RIVER	010200	WATERBURY	2200	M	000.94
CT0004065	PLUME & ATWOOD-DIVERSIFIED IND	NAUGATUCK RIVER	010200	THOMASTON	3470	M	000.65
CT0001457	WHYCO CHROMIUM COMPANY INC	NAUGATUCK RIVER	010200	THOMASTON	3470	M	000.53
CT0001180	SUMMIT FINISHING-DIV KAWECKI-	NAUGATUCK RIVER	010200	THOMASTON	3471	M	000.50
CT0002534	KERITE COMPANY	BLADENS BROOK	010200	SEYMOUR	3471	M	000.48
CT0001074	SEWING NOTIONS DIV-SCOVILL MFG	ECHO LAKE BROOK	010200	WATERTOWN	3471	M	000.37
CT0000744	CHROMIUM PROCESS COMPANY	HOUSATONIC RIV	010200	SHELTON	3471	M	000.30
CT0002623	RISDON MFG. COMPANY	STILL RIVER	010200	DANBURY	3470	M	000.27
CT0002119	ASHLAND CHEMICAL-ASHALD OIL C	SYMPANG BROOK	010200	BETHEL	2820	M	000.26
CT0000370	CONTRACT PLATING CO INC	LONG BROOK	010200	STRATFORD	3471	M	000.25
CT0003671	WATERBURY BUCKLE COMPANY	NAUGATUCK RIVER	010200	WATERBURY	3471	M	000.21
CT0004031	CHEMICAL PLATING COMPANY	BRUCE BROOK	010200	STRATFORD	3471	M	000.20
CT0000400	DRESSER IND-VALVES& INSTR. DIV	HOUSATONIC	010200	STRATFORD	3471	M	000.20
CT0000035	AMERICAN CHAIN & CABLE-BRISTOL	NAUGATUCK RIVER	010200	WATERBURY	3471	M	000.20

NPDES FACILITY LISTING SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY/TOWN	PRIMESIC	MAJOR=M	MGD
CT0003638	USM CORP-FASTENER DIV.	HOUSATONIC RXV	010200	SHELTON	3471	M	000.17
CT0002241	ANCHOR FASTENERS INC	STEELE BROOK	010200	WATERBURY	3471	M	000.16
CT0002674	BRIDGEPORT ROLLING MILLS CO.	BRUCES BROOK"-"	010200	STRATFORD	3471	M	000.12
CT0002275	WATERBURY ROLLING MILLS, INC.	STEELES BROOK	010200	WATERBURY	3470	M	000.11
CT0001970	TURNER & SEYMOUR MFG C O	NAUGATUCK	010200	TORRINGTON	3470	M	000.10
CT0004057	DONHAM CRAFT-NAUGATUCK PLANT	FALLING MILL BR	010200	NAUGATUCK	3471	M	000.10
CT0001791	HAR PER LEADER INC	NAUGATUCK RIVER	010200	WATERBURY	3471	M	000.08
CT0003255	MILLER CO-MILL DIV-WELLS TUBE	NAUGATUCK RIVER	010200	WATERBURY	3471	M	000.07
CT0002992	W. E. BASSETT CO.	HOUSATONIC RIV	010200	DERBY	3471	M	000.06
CT0001333	UOPAEROSPACE DIVISION	BANTAM RIVER	010200	BANTAM	3471	M	000.05
CT0000671	IDEAL MANUFACTURING CO-PLT#2	NAUGATUCK RIVER	010200	BEACON FALLS	3471	M	000.05
CT0000876	NEW HAVEN WATER CO	MILL RIVER "	010300	HAMPDEN	4941		009.00
CT0002437	WALLACE SILVERSMITHS	QUINNIPIAC RIV	010300	WALLINGFORD	4930		007.10
CT0002283	WALLINGFORD, CONN. WATER DEPT.	MUDDY RIVER "	010300	WALLINGFORD	4941		001.30
CT0000868	NEW HAVEN TRAP ROCK COMPANY	PINE LAKE"--"	010300	WALLINGFORD	1429		001.20
CT0002925	AMF BEARD	LONG ISLAND	010300	WATERFORD	9902		001.20
CT0000906	NEW HAVEN TRAP ROCK-BLUE ORCH	LONG MARCH CREE	010300	BRANFORD	1429		000.77
CT0000469	YELET SPECIALTY CO.	BEAUMONT BROOK	010300	WALLINGFORD	4930		000.75
CT0003271	MYSTIC VALLEY WATER CO.	COPPIS BROOK	010300	STONINGTON	4941		000.63
CT0003280	MYSTIC VALLEY WATER CO	WHITFORD BROOK	010300	STONINGTON	4941		000.62
CT0003239	MARLIN ROCKWELL DIV-TRW CORP.	QUINNIPIAC RIV	010300	PLAINVILLE	3562		000.50
CT0001392	PRATT WHITNEY-SOUTHINGTON	QUINNIPIAC RIV	010300	SOUTHINGTON	3722		000.50
CT0001929	PLAINVILLE WATER COMPANY	DITCH	010300	SOUTHINGTON	9902		000.50
CT0004138	WILLINGFORD-INDUST.POL. FACIL.	QUINNIPIAC RIV	010300	WALLINGFORD	3470		000.41
CT0001538	BURNDY CORPORATION	STUBBY MAIN BRK	010300	MILFORD	3695		000.33
CT0001911	YARDNEY ELECTRIC CO	PAWCATUCK RIVER	010300	PAWCATUCK	3692		000.30
CT0001279	UNITED ELASTIC CO.	CITY SEWER	010300	WEST HAVEN	2282		000.28
CT0000752	MRM INDUSTRIES	SODUM BROOK	010300	MERIDEN	3362		000.25
CT0002232	PLASTICRETE CORP-NO. HAVEN PLT	QUINNIPIAC RIV	010300	NORTH HAVEN	4930		000.25
CT0003603	EMERSON ELEC-US ELEC MOTORS	LITTLE CREEK	010300	MILFORD	3621		000.23
CT0001554	BURNDY CORPORATION	QUINNIPIAC RIV	010300	NORTH HAVEN	3631		000.12
CT0003514	TIMES WIRE & CABLE CO.	QUINNIPIAC RIV	010300	WALLINGFORD	4930		000.09
CT0003247	MILLER COMPANY	HARBOR BROOK	010300	MERIDEN	3351		000.08
CT0000922	OLIN CORP (RAMSET DIV.)	BRANFORD RIVER	010300	BRANFORD	3471		000.07
CT0001635	BEATON & CORBIN MFG CO	QUINNIPIAC RIV	010300	SOUTHINGTON	3471		000.06
CT0002631	REVERE COPP-NEPTUNE METER CO.	NO NAME BROOK	010300	WALLINGFORD	3097		000.05
CT0001902	REX FORGE DIV-CONNREX CORP	QUINNIPIAC RIV	010300	SOUTHINGTON	3479		000.04
CT0000698	ARMSTRONG RUBBER CO.	COVE RIVER	010300	WEST HAVEN	3011		000.04
CT0003573	UNION CARBIDE CORP-MATLS-SYS	QUINNIPIAC RIV	010300	NORTH HAVEN	3479		000.04
CT0000027	J. B. COGGINS MFG	CLARKS BROOK	010300	MERIDEN	3471		000.03
CT0002003	BRISTOL SPRING MFG. CO.	QUINNIPIAC RIV	010300	PLAINVILLE	3461		000.03
CT0000795	MONSANTO CO.	STONINGTON HARB	010300	STONINGTON	3079		000.02
CT0000302	CLARK BROS BOLT CO INC	QUINNIPIAC RIV	010300	SOUTHINGTON	4930		000.02
CT0000167	COTTRELL CO/HARRIS-INTERTYPE	PAWCATUCK RIVER	010300	PAWCATUCK	9905		000.01
CT0001091	SIRTEX PRINT-DETTRA FLAG CO	MYSTIC RIVER	010300	STONINGTON	9903		000.01
CT0003484	TEXACO, INC.	QUINNIPIAC RIV	010300	NEW HAVEN	5092		000.01

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NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
CT0003581	UNION CARBIDE CORP-LINDE DIV.	QUINNIPIAC RIV	010300	NORTH HAVEN	2813		000.01
CT0001031	ROWE'S LAUNDRY	PAWCATUCK RIVER	010300	STONINGTON	4930		000.01
CT0001201	TRANS-LITE INC.	STUBBY MAIN BRK	010300	MILFORD	9911		000.01
CT0002399	ADVANCED PRODUCTS CO.	QUINNIPIAC RIV	010300	NORTH HAVEN	3470		000.01
CT0002330	PURITAN LAUNDRY	BOSTON-MYSTIC R	010300	STONINGTON	7211		000.01
CT0004006	IDEAL FORGING CORP.	QUINNIPIAC RIV	010300	SOUTHINGTON	9905		000.01
CT0002712	CONN. INVESTMENT CASTING CO.	PAWCATUCK RIVER	010300	PAWCATUCK	3320		000.01
CT0000647	BRUNSWICK CORP	INDIAN RIVER	010300	MILFORD	3399		000.00
CT0002178	MAINSTREET LAUNDROMAT	NIANTIC BAY	010300	NIANTIC	9902		000.00
CT0003859	GENERAL DYNAMICS CORP	MYSTIC RIVER	010300	STONINGTON	9911		000.00
CT0001252	UNION MFG CO	HARBOR BROOK	010300	MERIDEN	3471		000.00
CT0001741	NEWTON-NEW HAVEN CO	QUINNIPIAC RIV	010300	NORTH HAVEN	3369		000.00
CT0000272	CHARBERT NARROW FABRICS CORP	PAWCATUCK RIVER	010300	PAWCATUCK	9911		000.00
CT0003263	MILLSTONE PT. CO-MILLSTONE #1	LONG ISLAND SOU	010300	WATERFORD	4913	M	662.00
CT0003780	UNITED ILLUMINATING CO-COKE WK	NEW HAVEN HAR	010300	NEW HAVEN	4911	M	403.00
CT0000086	AMERICAN CYANAMIDE COMPANY	QUINNIPIAC RIV	010300	WALLINGFORD	2821	M	003.70
CT0001384	PRATT & WHITNEY-NORTH HAVEN	QUINNIPIAC RIV	010300	NORTH HAVEN	3722	M	002.70
CT0003701	WALLINGFORD STEEL CO	QUINNIPIAC RIV	010300	WALLINGFORD	3316	M	002.60
CT0001341	UPJOHN COMPANY	QUINNIPIAC RIV	010300	NORTH HAVEN	2818	M	000.55
CT0001708	GEN ELEC-CIRCUIT DEVICES DEPT	QUINNIPIAC RIV	010300	PLAINVILLE	3471	M	000.50
CT0001066	SARGENT AND COMPANY	NEW HAVEN HARB	010300	NEW HAVEN	3470	M	000.33
CT0001007	ROBERTSHAW CONTROLS-MILFORD DV	LONG ISLAND SOU	010300	MILFORD	3471	M	000.32
CT0000159	ATLANTIC WIRE CO.	BRANFORD RIVER	010300	BRANFORD	3315	M	000.27
C10003727	AMERICAN VELVET COMPANY	LITTLE NARRAGAN	010300	STONINGTON	2200	M	000.21
CT0003913	LIGHT METALS COLORING CO INC	QUINNIPIAC RIV	010300	SOUTHINGTON	3471	M	000.16
CT0003395	SCHICK SAFETY RAZOR-WARNER & L	INDIAN RIVER	010300	MILFORD	3471	M	000.15
CT0000779	MODULUS CORP-SOUTHINGTON HARDW	QUINNIPIAC RIV	010300	SOUTHINGTON	3471	M	000.12
CT0000825	NAPIER CO	QUINNIPIAC RIV	010300	MERIDEN	3471	M	000.09
CT0003891	HUMPHREY CHEMICAL CO	QUINNIPIAC RIV	010300	NORTH HAVEN	2818	M	000.05
CT0002259	HARTFORD-METROPOLITAN DISTRICT	SPILLWAY	010400	WEST HARTFOR	4941		055.00
CT0004014	HARTFORD STEAM CO.	PARK RIVER	010400	HARTFORD	4930		011.00
CT0002216	ROCKVILLE WATER & AQUEDUCT CO	LAKE SHENIPSIT	010400	VERNON	4941		005.30
CT0001147	STANLEY WORKS	PIPER BROOK	010400	NEW BRITAIN	4930		002.40
CT0000582	HAMILTON STANDARD-UNITED AIRCR	SEYMOUR BROOK	010400	WINDSOR LOCK	3700		001.30
CT0002127	CELLU PRODUCTS COMPANY	HOCKANUM RIVER	010400	EAST HARFOR	2649		001.20
CT0000604	HAMILTON-STANDARD-VAC DIV.	BROAD BROOK	010400	EAST WINDSOR	3729		001.10
CT0003085	COLT INDUSTRIES INC	TROUT BROOK	010400	WEST HARTFOR	3500		000.80
CT0002747	MANCHESTER WATER TREAT PLANT	NONE	010400	MANCHESTER	4941		000.70
CT0001414	PRATT & WHITNEY-ROCKY HILL	DIVIDEND BROOK	010400	ROCKY HILL	3722		000.59
CT0000132	ASSOC. SPRING CORP/STRIP WIRE	PEQUABUCK RIVER	010400	BRISTOL	3300		000.50
CT0003964	WARING PRODUCTS DIV	FARMINGTON RIV	010400	NEW HARTFORD	3471		000.49
CT0002721	ROGERS MFG. CO.	COGINCHAUG	010400	ROCKFALL	4930		000.43
CT0003956	SUPERIOR ELECTRIC CO	PEQUABUCK RIV	010400	BRISTOL	3600		000.41
CT0002526	KLOCK COMPANY	NO	010400	MANCHESTER	4930		000.40
CT0003034	BRISTOL BRASS CORP.	PEQUABUCK RIVER	010400	BRISTOL	3351		000.40
CT0000353	COMBUSTION ENGINEERING INC	SITE BROOK	010400	WINDSOR	3559		000.32

NPDES FACILITY LISTING SORTED BY : ST, BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M MGD
CT0000141	ASSOC. SPRING CORP/MAIN PLANT	PEQUABUCK RIVER	010400	BRISTOL	3471	000.30
CT0003590	UNITED AIRCRAFT CORP. RES LABS	WILLOW BROOK	010400	EAST HARTFOR	4930	000.30
CT0001813	JACOBS MFG CO	PIPER BROOK	010400	WEST HARTFOR	3400	000.26
CT0001104	SON-CHIEF ELECTRICS INC	HIGHLAND LAKE	010400	WINSTED	3471	000.23
CT0003379	ROGERS CORP	TYDALL BROOK	010400	MANCHESTER	4930	000.21
CT0000051	ALLIED THERMAL(TUTTLE-BAILEY)	WILLOW BROOK	010400	NEW BRITIAN	4930	000.16
CT0000655	BRISTOL WATER DEPT	PEQUABUCK RIVER	010400	BRISTOL	4941	000.15
CT0001503	ATLANTIC MACHINE TOOL WORKS IN	PIPER BROOK	010400	NEWINGTON	3722	000.15
CT0001627	NUWAY TOBACCO CO INC	SCANTIC RIVER	010400	SOUTH WINDSO	9904	000.14
CT0000612	HOLO-KROME CO	UNNAMED BROOK	010400	WEST HARTFOR	4930	000.14
CT0000566	HEUBLEIN INC	PARK RIVER	010400	HARTFORD	4930	000.14
CT0002020	KNOLLS ATOMIC POWER LAB-G E CO	UNKNOWN	010400	WINDSOR	7391	000.12
CT0002097	PLAINVILLE ELECTROPLATING CO.	PEQUABUCK RIVER	010400	PLAINVILLE	3471	000.12
CT0004022	MIDDLETOWN WATER DEPT	CONNECTICUT RIV	010400	MIDDLETOWN	4941	000.10
CT0001511	BALF COMPANY	STORM WATER	010400	NEWINGTON	3420	000.10
CT0003476	TAYLOR & FENN COMPANY	CONNECTICUT RIV	010400	WINDSOR	3321	000.09
CT0003557	COLEBROOK DIVISION-TRW,CORP.	STILL RIVER	010400	WINCHESTER	3562	000.09
CT0001431	PRATT & WHITNEY-S. WINDSOR	STOUGHTON BROOK	010400	SOUTH WINDSO	3629	000.08
CT0001287	WEST HARTFORD REALTY	PIPER BROOK	010400	WEST HARTF	3729	000.07
CT0000345	COLT INDUSTRIES INC	DIVIDEND BROOK	010400	ROCKY HILL	3470	000.07
CT0001478	HAMILTON SUNDSTRAND	STORM DRAIN	010400	WEST HARTFOR	3471	000.06
CT0001422	PRATT & WHITNEY-FARMINGTON	SHADE SWAMP	010400	FARMINGTON	4930	000.06
CT0000787	MONSANTO CO	DEEP RIVER	010400	DEEP RIVER	3079	000.06
CT0000078	ALLEN MFG. CO.	MILL BROOK	010400	BLOOMFIELD	3479	000.06
CT0002938	MMI CONDY MFG INC.	TARBELLHOUSEN	010400	VERNON	4953	000.05
			0400	EAST GRANBY	4930	000.05
			0400	SUFFIELD	4930	000.05
CT0000421	HUDSON WIRE CO	MAD RIVER	010400	WINCHESTER	4930	000.05
CT0001872	QUALITY NAME PLATE, INC	ROARING BROOK	010400	EAST GLASTON	3470	000.05
CT0001490	ALLIED CONTROL COMPANY INC	EIGHT MILE RIV	010400	PLANTSVILLE	3471	000.04
CT0002691	BEVIN BROTHERS MFG. CO.	POCOTOPAUG	010400	EAST HAMPTON	3470	000.04
CT0001520	BALF COMPANY	HOLKANOM RIVER	010400	MANCHESTER	1420	000.03
CT0001155	STANLEY WORK.	PEQUABUCK	010400	BRISTOL	4930	000.03
CT0000809	MONTGOMERY CO	CONNECTICUT RIV	010400	WINDSOR LOCK	3471	000.02
CT0000060	AMF INC.,TOBACCO PRODUCT PILOT	SCANTIC RIVER	010400	SOUTH WINDSO	2100	000.02
CT0000183	C. J. BATES & SONS, INC.	PATTACONK BRK	010400	CHESTER	3964	000.02
CT0001295	UNIVERSAL VACUUM PROD-DART IND	UNKNOWN	010400	HARTFORD	3429	000.02
CT0002615	ENDEE HEAT TREATING CO.	PEQUABUCK	010400	FORESTVILLE	3471	000.02
CT0002267	J.H. SESSIONS & SON	PEQUABUCK RIVER	010400	BRISTOL	3470	000.02
CT0002313	ANDREW ANSALDI CO.	FOLLY BROOK	010400	MANCHESTER	1442	000.02
CT0002169	SAYBROOK LAUNDRY	NORTH COVE	010400	OLD SAYBROOK	7211	000.01
CT0003077	CITIES SERVICE OIL CO.	CONN RIVER	010400	PORTLAND	5092	000.01
CT0002502	WATER CO.	CONNECTICUT	010400	PLAINVILLE	4941	000.01
CT0000973	RAINBOWS INC	SCANTIC RIVER	010400	HAZARDVILLE	2752	000.01
CT0001660	BEDUS & STANKE ELECTROPLATING	EIGHT MILE RIV	010400	BRISTOL	3471	000.01
CT0002046	HESS OIL-WETHERSFIELD TERMINAL	CONNECTICUT R	010400	WETHERSFIELD	5092	000.01

NPDES FACILITY LISTING SORTED BY ST. BASIN, MAJOR OR MINOR, WATER USE (DESCEND.)

NPDES NO.	APPLICANT NAME	RECEIVING WATERS	BASIN	CITY / TOWN	PRIMESIC	MAJOR=M	MGD
CT0001465	WINDSOR MANUFACTURING CO	FARMINGTON RIV	010400	WINDSOR	9911		000.01
CT0003662	VERPLEX COMPANY	UNNAMED BROOK	010400	ESSEX	9910		000.01
CT0001481	ALCAP MANUFACTURING CO INC	MATTABASSET R	010400	CROMWELL	3498		000.01
CT0002704	EAST HAMPTON LAUNDROMAT	NONE	010400	EAST HAMPTON	7215		000.01
CT0002739	TEXACO-RACKLIFFE OIL-CROMWELL	CONNECTICUT	010400	CROMWELL	5092		000.01
CT0004049	COOMIS INSTITUTE-BOILER PLANT	FARMINGTON	010400	WINDSOR	4930		000.01
CT0000507	FLAME TREATING & ENG. CO	STORM SEWER	010400	WEST HARTFOR	3399		000.01
CT0001171	SUISMAN & BLUMENTHAL INC.	PARK RIVER	010400	HARTFORD	5093		000.01
CT0003492	TEXACO, INC.	CONNECTICUT RIV	010400	EAST HARTFOR	5092		000.01
CT0003468	SUPERIOR STEEL BALL COMPANY	S. PARK RIVER	010400	HARTFORD	3562		000.01
CT0001244	UNION PIN COMPANY	HIGHLAND LAKE	010400	WINSTED	3964		000.00
C							
CT0001953	SHELL OIL CO	CONNECTICUT RIV	010400	EAST HARTFOR	9905		
CT0001759	SKINNER PRECISION INC	OLD CANAL	010400	BERLIN	3470		000.00
CT0002011	NEW BRITAIN WATER DEPARTMENT	WILLOR BROOK	010400	NEW BRITAIN	9911		000.00
CT0001630	LYMAN GUN SIGHT PRODUCTS	ELLEN DOYLE BRK	010400	MIDDLEFIELD	3400		000.00
CT0003123	CONN YANKEE POWER-HADDAM NECK	CONNECTICUT R	010400	HADDAM NECK	4913	M	545.00
CT0000434	C.H.DEXTER DIV-DEXTER CORP	CONNECTICUT RIV	010400	WINDSOR LOCK	2621	M	391.00
CT0003875	HARTFORD ELEC-SOUTH MEADOW STA	CONNECTICUT RI	010400	HARTFORD	4911	M	310.00
CT0003883	HARTFORD ELEC-MIDDLETOWN STA.	CONNECTICUT RIV	010400	MIDDLETOWN	4911	M	228.00
CT0001376	PRATT WHITNEY -E.HARTFORD	CONNECTICUT RIV	010400	EAST HARTFOR	3722	M	111.00
CT0001406	PRATT & WHITNEY-MIDDLETOWN	CONNECTICUT RIV	010400	MIDDLETOWN	3722	M	015.00
CT0000485	FELDSPAR CORP	CONNECTICUT RIV	010400	MIDDLETOWN	1456	M	001.60
CT0003441	STEVENS PAPER MILLS-WINDSOR	MILL RIVER	010400	WINDSOR	2600	M	001.20
CT0001139	STANLEY PLATING CO., INC.	PEQUABUCK RIVER	010400	FORESTVILLE	3470	M	000.73
CT0003433	STANADYNE INC. HARTFORD DIV.	CONNECTICUT RIV	010400	WINDSOR	3470	M	000.22
CT0002038	R.R. DONNELLEY & SONS CO INC	OYSTER RIVER	010400	OLD SAYBROOK	3471	M	000.15
CT0001643	BRASS PLATING CO.	MILL BROOK	010400	BLOOMFIELD	3471	M	000.08
CT0003921	NAVAL SUB-BASE,NEW LONDON	THAMES RIVER	010500	GROTON	4930		020.00
CT0003158	THOMAS G FARIA CORP	OXOBOXO RIVER	010500	UNCASVILLE	3471		020.00
CT0004073	GROTON FILTRATION PLANT	POQUONNOCK RIV	010500	GROTON	4941		011.00
CT0002089	WILLIMANTIC WATER DEPT	NATCHAUG RIVER	010500	MANSFIELD	4941		007.00
CT0000884	NEW HAVEN TRAP ROCK CO PLANT#2	QUANDOCK BROOK	010500	KILLINGLY	9999		003.00
CT0001112	PLASTIC WIRE & CABLE CORP	ASHLAND POND	010500	GRISWOLD	4930		001.90
CT0002372	PUTNAM WATER DEPT.	LITTLE RIVER	010500	WOODSTOCK	4941		001.60
CT0003387	ROGERS CORP-ENGINEERED PROD DI	SHETUCKET RIVER	010500	SOUTH WINDHA	3069		001.10
CT0000523	GLASS CONTAINERS CORP	FIVE MILE RIVER	010500	KILLINGLY	3200		000.86
CT0000914	NORWICH HOSPITAL-STATE OF CT	THAMES RIVER	010500	PRESTON	4930		000.60
CT0002895	NAVAL UNDERWATER SYSTEM CENTER	THAMES RIVER	010500	NEW LONDON	4930		000.50
CT0000710	KAMAN CORP-KAMAN AEROSPACE COR	MOOSUP RIVER	010500	MOOSUP	3729		000.50
CT0003018	BRAND-REX CO., AKZONA INC.	WILLIMANTIC RIV	010500	WILLIMANTIC	4930		000.46
CT0000949	PERVEL INDUSTRIES	HORSE BROOK	010500	PLAINFIELD	4930		000.44
CT0002429	WYCKOFF STEEL-AMPCO PITTSBURG	QUINEBAUG RIVER	010500	PUTNAM	3470		000.40
		MOOSUP RIVER	010500	MOOSUP	4930		000.25
CT0002291	WIRE WIND INC.	QUINEBAUG RIVER	010500				
CT0001368	WARREN WOOLEN COMPANY	FURNACE BROOK	010500	STAFFORD	4941		000.21

NPDES FACILITY LISTING SORTED BY 1 ST BASIN, MAJOR OR MINOR, WATER USE (DESCEND)

NPDES NO. APPL

CT0003182	KING-SEELEY THERMOS CO. LAUREL	THAMES RIVER	010500	NORWICH	3229		000.19
CT0002135	ERNEST JOLY & SONS INC	QUINEBAUG BROOK	010500	KILLINGLY	1442		000.15
CT0002381	PUTNAM-HERZL FINISH. CO.	QUINNEBAUG	010500	PUTNAM	9903		000.15
CT0003719	AMERICAN STANDARD INC	ANGELL BROOK	010500	PLAINFIELD	3261		000.14
CT0000701	INTERROYAL CORP.	HORSE BROOK	010500	PLAINFIELD	2522		000.13
CT0002441	AMF CUNO, AMF INC.	WILLIMATIC	010500	STAFFORD SPR	9904		000.10
CT0004197	KING-SEELEY THERMOS-TAFTSVILLE	SHETUCKET RIVER	010500	NORWICH	4930		000.10
CT0000175	DERAN CONFECTIONERY CO	FRENCH RIVER	010500	THOMPSON	9903		000.08
CT0002653	LEO READY-MIX CONCRETE-SCREEN	QUINEBAUG RIVER	010500	THOMPSON	1442		000.06
CT0002593	MAGREY MFG. CO.	APPLE TREE BRK	010500	MOOSUP	4930		000.05
CT0000108	ANGUS PARK WOOLEN CO.	LITTLE RIVER	010500	SPRAGUE	2231		000.05
CT0004146	WAKEFIELD INDUSTRIES	SHETUCKET RIVER	010500	NORWICH	4930		000.04
CT0002798	INTERNATIONAL PAPER-PUTNAM	UNNAMED TRIBU	010500	PUTNAM	4930		000.03
CT0003149	ELECTRO-MOTIVE MFG CO PLANT #1	WILLIMANTIC RIV	010500	WILLIMANTIC	3679		000.03
CT0001858	SANITARY DASH MFG CO	FRENCH RIVER	010500	THOMPSON	3471		000.03
CT0000221	BRUNSWICK WORSTED MILLS INC	MOOSUP RIVER	010500	[illegible]	[illegible]		000.02
CT0002771	SINCLAIR + VALENTINE-WHEELABRA	SHETUCKET RIVER	010500	NORWICH	4930		000.02
CT0001864	NATIONAL CHROMIUM CO INC	LITTLE RIVER	010500	PUTNAM	3471		000.02
CT0002062	IDLE WILD FARM INC	WHITE BROOK	010500	POMFRET	2090		000.02
CT0002321	V. LA ROSA & SONS	FALL BROOK	010500	KILLINGLY	2098		000.02
CT0002224	COLT'S PLASTICS CO INC	FRENCH RIVER	010500	THOMPSON	4930		000.02
CT0002186	H.S. CHAMBERS & SON INC	BEAVER BROOK	010500	SPRAGUE	3471		000.02
CT0002445	FUSCONI CLEANERS	THAMES RIVER	010500	GROTON	7215		000.01
CT0001805	HESS OIL-CHEMICAL DIV	THAMES RIVER	010500	GROTON	5092		000.01
CT0002763	ATLANTIC CARTON CORP	SHETUCKET RIVER	010500	NORWICH	9902		000.01
CT0002500	WILLINGTON NAME PLATE	GINGERBROOK	010500	STAFFORD SPR	9910		000.01
CT0002780	STAFFORD CORP-LINATEX CORP	MIDDLE RIVER	010500	STAFFORD SPR	3069		000.01
CT0000264	CHAMBERS-STORCK CO	SHETUCKET RIV	010500	NORWICH	2793		000.01
CT0000426	DUPONT-RED TAG INC	TRADING COVE BR	010500	NORWICH	7211		000.01
CT0000990	REVERE TEXTILE PRINTS CORP	MOOSUP RIVER	010500	STERLING	2200		000.01
CT0004090	HAIN BROTHERS INC.	SHETUCKET RIVER	010500	WINDHAM	1442		000.00
CT0003841	GENERAL DYNAMICS CORP	POQUONNOCK	010500	GROTON	4930		000.00
CT0003832	GENERAL DYNAMICS CORP	BAKERS COVE	010500	GROTON	4930		000.00
CT0003115	CONN. LIGHT & POWER-MONTVILLE	THAMES RIVER	010500	MONTVILLE	4931	M	423.00
CT0000957	PFIZER INC	THAMES RIVER	010500	GROTON	2800	M	114.00
CT0003751	FEDERAL PAPER BOARD CO INC	LITTLE RIVER	010500	VERSAILLES	2631	M	007.90
CT0003972	ROGERS CORP-MAIN PLANT	QUINEBAUG BASIN	010500	KILLINGLY	2621	M	004.20
CT0003824	GENERAL DYNAMICS-ELECTRIC BOAT	THAMES RIVER	010500	GROTON	3731	M	002.50
CT0002950	AMERICAN THREAD CO-WILLIMANTIC	WILLIMANTIC R	010500	WILLIMANTIC	9903	M	002.50
CT0003131	DOW CHEMICAL-ALLYNS POINT	THAMES RIVER	010500	GALES FERRY	2821	M	001.80
CT0001015	ROBERTSON PAPER BOX-PAPERBOARD	OXOBOXO RIVER	010500	MONTVILLE	2631	M	000.58
CT0002101	WILLIAM PRYN INC.	FIVE MILE RIVER	010500	DAYVILLE	3470	M	000.42
CT0003000	BELDING HEMINGWAY-POWHATTAN MI	QUINEBAUG RIVER	010500	PUTNAM	2284	M	000.26
CT0000574	HALE MFG CO	FIVE MILE RIVER	010500	KILLINGLY	2200	M	000.20
CT0001678	BELDING CHEMICAL-FRENCH RIVER	FRENCH RIVER	010500	THOMPSON	2821	M	000.16
CT0000248	CASE & RISLEY PRESS PAPER INC	MOOSUP RIVER	010500	ONECO	2631	M	000.15
CT0000643	ACME COTTON PRODUCTS	WETSTONE BROOK	010500	EAST KILLING	2261	M	000.13
CT0003174	KING-SEELEY THERMOS-TAFT. PLT.	SHETUCKET RIVER	010500	NORWICH	3479	M	000.10
CT0001651	ARTISTIC WIRE PROD. CO	SHETUCKET RIVER	010500	TUSTVILLE	3470	M	000.10
CT0000736	C E M COMPANY	FIVE MILE RIVER	010500	KILLINGLY	3471	M	000.05
CT0020631	RISDON MANUFACTURING	NAUGATUCK RIVER	012300	THOMASTON	4930		000.09

Table 17.--24

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW YORK

Industry	Town	# Pipes	Receiving Water	SIC[a]
Consolidate Edison Co.			Hudson River	
CPC International Inc.	Yonkers	2	Hudson River	4930
Dept. of Army		1	Hudson River	
Erie Lackawanna Railroad Co.	Hadar	1	Hudson River	4011
FDR Veterans Admin. Hosp.		1	Hudson River	4930
Federal Paper Board Co. Inc.		4	Hudson River	2631
Finch Pruyn & Co., Inc.		6	Hudson River	2611
Ford Manufacturing Co.,		1	Hudson River	2261
Ford Motor Co., Inc.	Green Island	7	Hudson River	3714
Fort Miller Paper Corp.		1	Hudson River	2600
GAF Corporation		3	Hudson River	2818
General Electric Co.	Hudson Falls	3	Hudson River	3629
General Electric Co.		1	Hudson River	2821
General Electric Co.		2	Hudson River	2820
Georgia-Pacific Corp.	Cascade	2	Hudson River	3275
Glens Falls Portland Cement Company		1	Hudson River	3200
Glens Falls Portland Cement Company		1	Hudson River	3200
Agway Feed Division	Albany	1	Hudson River	2040
Alpha Portland Cement		2	Hudson River	3241
Amerada Hess Corp.		1	Hudson River	5092
Amerada Hess Corp.		1	Hudson River	5092
Amerada Hess Corp.		1	Hudson River	5092
Anacona Wire & Cable Co.		.5	Hudson River	3351
Barton Mines Corp.	North Conway	2	Hudson River	3295
Bethlehem Steel	Gothenburg	15	Hudson River	3701
Central Hudson Gas & Electric		5	Hudson River	4911
Central Hudson Gas & Electric		4	Hudson River	4930
Central Hudson Gas & Electric		13	Hudson River	4911

Table 17 -24 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW YORK

Industry	Town	# Pipes	Receiving Water	SIC[a]
Colgate Palmolive Company	Hadar	1	Hudson River	2840
Colonial Sand & Stone		1	Hudson River	3273
Commandant 3rd Naval District		1	Hudson River (6 discharge points)	
Commander 3rd Coast Guard District		1	Hudson River (7 discharge points)	
Con Edison		1	Hudson River	4931
Con Edison	Cascade	1	Hudson River Es.	4911
Gulf Oil Corp.	Yonkers	1	Hudson River	5092
Hudson Cement Co.		1	Hudson River	3200
Hudson Pulp & Paper		3	Hudson River	2600
Hudson Valley Apple Products		2	Hudson River	2036
IBM Corp.	Poughkeepsie	16	Hudson River	4930
Interstate Bag Company		2	Hudson River	4930
International Paper	Corinth	8	Hudson River	2651
Lehigh Portland Cement		1	Hudson River Tr.	3241
Lightron Corp.		0	Hudson River	
Maplewood Dairy		1	Hudson River	4930
Marathon Battery Company		1	Hudson River	3691
Marguette Cement Manufacturing Company		2	Hudson River	3200
Martin Marietta Aggregates		1	Hudson River	1429
Maue Oil		1	Hudson River	5983
Merchants Refrigerating Co.		1	Hudson River	4222
Mobil Oil Corp.		1	Hudson River	
New York Envir. Facilities Corp.		1	Hudson River	
New York State Environ. Facilities		1	Hudson River	
Niagara Mohawk Power	Albany	3	Hudson River	4911
New York Trap Rock Corp.	New Hamburg	8	Hudson River	1420

Table 17 - 24 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION
NEW YORK

Industry	Town	# Pipes	Receiving Water	SIC*
Octagon Process Inc.	Danbury	1	Hudson River	2840
Orange & Rockland Utilities		4	Hudson River	4930
Orange & Rockland Utilities	Stratford	19	Hudson River	4910
Patrician Paper Co.	Glens Falls	1	Hudson River	2600
Phelps Dodge Cable & Wire	Yonkers	25	Hudson River	3357
Scot Paper Co.	Ft. Edward	16	Hudson River	2621
Shell Oil Co.	Milton	2	Hudson River	5092
Sleepy Hollow Lake Inc,		1	Hudson River	
Spencer Kellogg Division of Testron	Danbury	2	Hudson River	2093
Spoor Lasher Co., Inc.		1	Hudson River	
Standard Brands Inc.	Peekskill	15	Hudson River	2099
TEK Hughes Division International Playtex		1	Hudson River	4930
Texaco Inc.	Goffstown	1	Hudson River	5092
Texaco Inc.		3	Hudson River	5092
Bendix Corp.	Troy	3	Hudson River	3292
Thomas A. Galante & Sons, Inc.		1	Hudson River	2621
U.S. Military Academy	West Point	13	Hudson River	4930
Union "Camp Corp.		1	Hudson River	2649
U.S. Army Watervliet	Arsenal	2	Hudson River	"9119
U.S. Military Academy		1	Hudson River	
U.S. Steel Corp.		2 "	Hudson River	3200
W. E. Walker Campsite		1	Hudson River	
Ward Pavements Inc.		1	Hudson River	1429
Western Publishing Co.		1	Hudson River	4143
Wilson Martin Refinery		1	Hudson River	2096
Windsor Bldg. Supplies Co., Inc.		1	Hudson River	1441

Table 17 -24 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW YORK

Industry	Town	# Pipes	Receiving Water	SIC*
Winthrop Labs Div.	Sterling Dr.	7	Hudson River	2830
Allegheny Ludlum Watervliet		9	Hudson River Tr.	3310
H.P. Hood & Sons	Eagle Bridge	1	Hoosick River	5043
Hollingsworth & Vose	Easton	1	Batten Kill	2621
Hollingsworth & Vose	Greenwich	1	Batten Kill	2621
Skybel Tissue Mills Inc.		1	Batten Kill	
Standard Packaging Corp.		1	Batten Kill	2621
Stevens & Thompson Paper Co.		1	Batten Kill	2600
Texaco, Inc.		1	Hoosick River	
Chase Bag Co.		2	Hudson River	2641
Clevepak Corp.		5	Hudson River	2631
Hills Eros. Coffee Inc.		1	Hudson River	4930
James Thompson & Co., Inc.		2	Hoosick River	4930
Manning Paper Co.	Div. Hammerhill	1	Hudson River	2621
Martin Marietta Aggregates		2	Brook to Hudson	1422
U.S. Military Academy		1	Hudson River	
W.J. Cowee Inc.		1	Little Hoosick	2432
Wood Flong Corp.		3	Hoosick River	2600
American Oil Co.	Mt. Vernon	1	Eastchester Creek	5092
Amstar Corp. Brooklyn	Cane	1	East River	2062
Atlantic Paste & Glue Co.		1	New York Harbor	2891
BP Oil Company	Great Neck	1	Manhasset Bay	5092
BP Oil Company	Mt. Vernon	1	Eastchester Creek	5092
Brooklyn Battery Tunnel		1	East River	9347
Buildings & Grounds Dept.		1	Long Island Sound	
Certified Indsutries Inc.		1	Harlem River	
Colonial Sand & Stone	Astoria	1	East River	4930
Colonial Sand & Stone	Bronx	1	Harlem River	3273

Table 17 - 24 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW YORK

Industry	Town	# Pipes	Receiving Water	SIC[a]
Colonial Sand & Stone	Bronx	2	Westchester Creek	4930
Colonial Sand & Stone	Bronx	1	Eastchester Creek	3273
Colonial Sand & Stone	Brooklyn	1	Coney Island Creek	4930
Colonial Sand & Stone	New York	1	East River	4930
Colonna & Co., Inc.	East River	1	East River	3281
Commander 3rd Coast Guard		5	New York Harbor	
Con Edison	Astoria	1	East River	4911
Con Edison	Astoria	1	East River	4911
Con Edison		1	East River	4931
Con Edison	Hell Gate	2	East River	4911
Con Edison		2	East River	4931
Con Edison	Kips Bay	1	East River	4961
Con Edison	Ravenswood	1	East River	4911
Con Edison		1	East River	4931
Ferris Place Corp.		3	Westchester Creek	
Long Island Duck Farmers Co-op.		1	Seatuck Creek Tr.	2015
Long Island Ice & Fuel Corp.		1	Peconic River	4930
Long Island Lighting Co.	Barrett	5	Barnums Island Channel	4910
Long Island Lighting Co.		2	NiagaraRiver	4930
Long Island Lighting Co.		1	Great South Bay	4930
Long Island Lighting Co.	Far Rock	18	Mott Basin	4930
Long Island Lighting Co.	Glenwood	21	Hempstead Harbor	4930
Long Island Lighting Co.	Northport	6	Long Island Sound	4930
Long Island Lighting Co.	Port Jefferson	24	Port Jefferson	4930
Long Island Sea Clam Corp.		1	Reynolds Channel	2036
Loral Corp.		1	Bronx River	3662

Table 17 - 24 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW YORK

Industry	Town	# Pipes	Receiving Water	SIC[a]
Metropolitan Petroleum	Bronx Term	2	East River-	5092
Oceana Terminals	Bronx	1	East River	5093
Pearl-Wick Corp		1	East River	3471
Pelham Oil Co.		1	Eastchester Creek	5092
Royal Petroleum Corp.	L.I. City	1	East River	5092
Shell Oil Co.	Mt. Vernon	2	Eastchester Creek	5092
Sun Oil Col.	L.I. City	1	Newton Creek	4463
Texaco Inc.	Bronx Term	2	East River	5092
Texaco Inc.	E.R. Term	1	East River	5092
Texaco Inc.	Roslyn Term	2	Long Island Sound	5092
F&M Schaeffer Brewing		4	East River	2082
U.S. Military		1	N.Y. Bay	
USV Pharmaceutical Corp.		1	Bronx River	2830
Waterside Housing Dev.		45	East River	
Radar Squadron	Montauk	1	Atlantic Ocean	
Amerada Hess Corp.		1	Westchester Creek	5092
Interpace Corp. Wharton		1	Rockaway River	3400
L.E. Carpenter & Co.	Trenton	4	Rockaway River	4930
National Hose Co.	Crete	1	Rockaway River	3069
RCA Corp. Records	Primrose	1	Rockaway River	3079
Bluepoints Co., Inc.		6	Great South Bay	980
Bulova Watch Co.		1	Sag Harbor	
Colonial Sand & Stone	Pt. Washington	3	Pittsfield Hempstead Harbor	3273
Colonial Sand & Stone	Pt. Washington	1	Pittsfield Hempstead Harbor	4930
C.W. Post College of Long Island				
Diagnostic Research Inc.		1	Hempstead Harbor	2831
Gulf Oil Corp. Oceanside Term		2	Barnums Island	5092

Table 17 - 24 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW YORK

Industry	Town	# Pipes	Receiving Water	SIC[a]
Harbor Fuel Co. , Inc.	Glencliff	1	Hempstead Harbor	5092
Park Avenue Apts.		1	Hempstead Harbor	
Premium Coal & Oil Co. , Inc.		1	Flushing Creek	5092
Rowe International Inc.		1	Hempstead Harbor	3581
Seacoast Products Inc.	Stockham	3	Great Bay	2042
Western Electric Co.	Jamaica	1	Jamaica Bay	4930
Dept. of the Navy				

a Standard Industrial Code

Source: U.S. Environmental Protection Agency, Region II, Storet Printout, March, 1974.

Table 17 - 25

NEW YORK
MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	# Pipes	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summe
	City of Hudson	Hudson R.	1				
	Inc Village of Upper Nyack	Hudson R.	1				
	Lafayette Central Schools	Hudson R.	1				
	Port of New York Authority	Hudson R.	2				
	Town of Chester	Hudson R.	1				
	Town of Colonie	Hudson R.	1				
	Town of Colonie	Hudson R.	1				
	Town of Orangetown Dept of Public W	Hudson R.	1				
	Town of West N Y	Hudson R.	1				
	Village of Baldwinsville	Hudson R.	1				
	Village of Briar-cliff Manor	Hudson R.	1				
	Village of Briar-cliff Manor	Hudson R.	1				
	Village of Catskil	Hudson R.	1				
	Village of Colonie	Hudson R.	1				

NEW YORK

Table 17-25 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-				Vol. of Waste Disch. (MGD)	P.E. of SS, B.O.D. /Day
				mm	
	Village of Hoosick Falls	Hoosick to Hudson	1		
	Village of Hudson Falls				
	Village of South Nyack	Hudson River	3		
	Village of Tarry-town	Hudson River	1		
	Ogdensburg Bridge & Port Authority	Hudson River			
	City of Auburn	Lower Hudson Stony Brook	1		

NEW YORK

Table 12.25 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality		Receiving Water	# Pipes	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Sumner	P.E. of Ss, B.O.D. /Day Winter	P.E. of Ss, B.O.D. /Day Summer
	City of Mechanicville N.Y.		Long Is. Sound	1				
	N Y City Dept of Public w		Westchester Cr.	1				
	N Y City Dept of Public W		Westchester Cr	1				
	N Y City Dept of Public W		Ohio R.	1				
	New York City Dept. of Water Res		East R.	34				
	Port of New York Authority		Flushing Bay	1				
	Port of New York Authority		Bergen Bay	1				
	Town of Cornwall		Long Is Sound	1				
	Town of No Hempstead		Hempstead Hbr	1				
	Town of Smithtown	Y	Long Is"Sound	1				
	Board of Comm Oyster Bay Sewer							
	Suffolk County NY Dec		Port Jefferson Hbr.	2				
	Suffolk County NY Dec		Groundwaters Tributary	1				

NEW YORK

Table 17.-25 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	# Pipes	Vol. of Waste Disch. (MGD) Annum	P.E. or SS, B.O.D. /Day
	Suffolk County NY-Dec	Groundwaters Tributary	1		
	Suffolk Processing Co	Neguntatogue	1		
	Town Board Town of Riverhead				
	Town Board Town of Huntington	Huntington Hbr.	2		

Source: U.S. Environmental Protection Agency, Region II, Storet Printout, March, 1974.

Table 17 - 26

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SIC[a]
A. Gross & Co.	Martinsburg	1	Newark Bay	2899
Allied Chemical Corp.	Elizabeth	1	Newark Bay	2818
Amerada Hess	Odell	3	Arthur Kill	5092
Amerada Hess Pt. Reading	Venango	1	Arthur Kill	2911
American Oil Co.	Bruno	4	Arthur Kill	5092
American Smelting & Refining	Odell	3	Arthur Kill	3362
Anheuser-Busch Inc.	Martinsburg	6	Newark Bay	2082
Archer Daniels Midland Co.	Davey	1	Arthur Kill	4930
Atlantic Sulphur Term. Inc.	B runo	1	Arthur Kill	4930
Baker Caster Oil Co.	Atkinson	1	Newark Bay	2818
Chevron Oil Co.	Davey	4	Arthur Kill	2992
Cities Service Oil Co.	Howells	8	Arthur Kill	4463
Con Edison		1	Arthur Kill	4911
CPC International Best Food Division		2	Newark Bay	2035
EI Du Pent	Howells	7	Arthur Kill	2818
EI Du Pent Newark	Martinsburg	1	Newark Storm SE	4930
Exxon Co., USA	Howells	1	Arthur Kill	2911
Exxon Co., USA	Anselmo	3	Sandy Hook Bay	5092
FMC Corp., Inorganic Chemical Division	Bruno	4	Arthur Kill	2819
GAF Corp. Linden Place	Howe 11s	1	Arthur Kill	2810
General American Transport	Bruno	2	Arthur Kill	4226
Holly Hill Mobilhome Terrace		1	Raitan Bay-Tr.	
International Flavors & Fragrances		2	*Raritan Bay*	2818
Iron Oxide Corp.	Davey	2	Arthur Kill	2816
J. Howard Smith, Inc.	Overton	3	Sandy Hook Bay	2094
Linden Chlorine Products	Howells	1	Arthur Kill	2810
Mobil Oil Corp. Staten Island		1	Arthur Kill	5092
Mobil Oil Corp.		23	Arthur Kill	
Monarch Toker		1	Arthur Xill	

Table 17 - 26 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SIC[a]
Naval Ammunition Depot	Earle	2	Sandy Hook Bay	
Phelps Dodge Copper	Elizabeth	2	Arthur Kill	4930
Public Service Electric & Gas SEW	Venango	1	Arthur Kill	4931
Public Service Electric & Gas SEW	Venango	4	Arthur Kill	4931
Reichold Chemicals Inc.	Bruno	3	Arthur Kill	2821
Road Materials Corp.		1	Arthur Kill	2900
Royal Petroleum Corp.	Rota	3	Arthur Kill	5092
Second Reserve Terminal	Palmer	1	Arthur Kill	5092.
Shell Oil Co. Sewaren Plant	Rota	28	Arthur Kill	4930
Solvents Recovery Service	Howells	1	Arthur Kill	2811
Texaco Inc., Bayonne	Atkinson	4	Newark Bay	2911
Texaco Inc.	Martinsburg	6	Newark Bay	5092
U.S. Environmental Protection Agency		1	Sandy Hook Bay	9511
Union Carbide Corp. Marine District		5	Arthur Kill	5085
U.S. Metals Refining	Bruno	3	Arthur Kill	
U.S. EPA Office R&M	Hooper	1	Sandy Hook Bay	9511
Vulcan Materials Co.	Martinsburg	1	Newark Bay	2810
Jersey Central Power & Light		1	Raritan Bay	4930
Keyport Water Co.	Harrisburg	1	Raritan Bay	4941
Portside 'Industrial Center	Davey	1	Arthur Kill	6512
American Cyanamid	Boundbrook	1	Raritan River	2810
AnacondaCo. Perth Amboy	Odell	8	Raritan River	4930

Table 17 - 26 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SIC[a]
Bell Telephone Labs. CHester Division	Cairo	2	Raritan River, N. Branch	7391
Chesebrough-Ponds Perth Amboy	Odell	7	Raritan River	2900
Colonial Sand & Stone Keasbury	Odell	1	Raritan River	3273
Elizabethtown Water		1	Raritan River	4941
Elizabethtown Water Somerville	Phillips	3	Raritan River	4941
Ethyl Corp. Visqueen Division	Pickrell	2	Raritan River-Branch	4930
Gallo Asphalt Co. Keasbey	Hampton	1	Raritan River-Pond	1000
Holiday Inn		1	Raritan River	
Intermediate Division Tenneco Chemical	Lewellwn	2	Raritan River	2818
Jersey Central P&I Perth Amboy		1	Raritan River	4910
Jersey Central P&I	Sayreville	2	Raritan River	4910
Johns-Manville Products		2	Raritan River	3292
Merck & Co., Inc. Branchburg Farm	Millard	0	Raritan River	2833
Panacon Corp. Philip Carey CO,	Odell	1	Raritan River	2661
Public Service Electric & Gas	Edis	20	Raritan River	4930
Public Service Electric & Gas	Edis	1	Raritan River	4931

Table 17.'26 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SICa
RCA Corp. Solid State Plant		3	Raritan River	3600
Researve Terminal Corp.	Odell	3	Raritan River	5092
Taylor Forge Division Gulf & Western	Millard	1	Raritan River, N. Branch	3498
Tenneco Plastics Division	Nixon	2	Raritan River	3079
Carborundum Co. Keasbey		2	Raritan River	3297
Titanium Pigment Division Repub. City		2	Raritan River	2816
Valley Road Sewerage Co.		6	Raritan River	
WA Cleary Corp.		1	Raritan Canal	
Wilson Products Co. Div.. Dart. Ind.	Marsland	1	Raritan River	2815
Union Carbide Chemical & Plastics		3	Raritan River	2818
American Can Co.		2	Elizabeth River	4930
Elizabethtown Gas Co.	Davey	1	Elizabeth River	4930
Jiffy Manufacturing Co.		1	Elizabeth River	2643
Sxhering Corp. Union	Stockville	4	Elizabeth Rover	2830
Volco Brass & Copper		3	Elizabeth River	3351
Alcan Aluminum Corp.		1	Passaic River	3479
Amerada Hess Corp.	Martinsburg	1	Passaic River	5092
American Oil Co. E. Rutherford	Dakota County	1	Passaic River	5092
Armour Pharmaceutical	Reheis	1	Passaic River-Tr.	2819
Automatic Switch Co.		1	Passaic River-Tr.	3494
Basf Wyandotte Corp.		. 2	Passaic River	4930

Table 17 -·26 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SIC[a]
Berkeley Chemical Millmaster	Onyx	1	Passaic River	2830
Bernards Water Co.	Ashland	1	Passaic River	4941
Ciba-Geigy Corp.				
Ciba Pharmaceutical	Smithfield	2		2833
Commandant 3rd Naval District		1	Passaic-Hackensack Bas.	
Congoleum Industries Inc.		1	Passaic River	3996
Craft Metal Finishing		1	Passaic River	
Crucible Inc.				
Spaulding Oper.	Gandy	1	Passaic River	3316
Diamond Shamrock Corp.				
NOPCO	Gandy	5	Passaic River	2833
Essex Chemical Corp.				
Newark	Martinsburg	2	Passaic River	2810
Flintkote Co.				
E. Rutherford	Dakota County	3	Passaic River	4930
Garden State Paper Co., Inc.	El gin	1	Passaic River	4931
Hewlett-Packard Co.		1	Passaic River-Tr.	3670
Howard Industries Inc.		1	St. Passaic River	3079
Inmont Corp.	Indianola	2	Passaic River	4930
Inmont Corp.	Genoa	1	Passaic River	2815
Intermediates Division	Elgin	2	Passaic River	2818
J. L. Prescott Co.		1	Passaic River	4930
Kern Manufacturing Co., Inc.	DeWi tt	1	Passaic River	4930
Lever Brothers Co.				
Edgewater	Norfolk	5	Passaic River-SEW	
Marcal Paper Mills, Inc.	Dakota City	2	Passaic River	2621
Monsanto Co. , Kearny Plant		2	Passaic River	2819

Table 17 - 26 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SIC[a]
National Gypsum Co. Millington	Lisco	1	Passaic River	3292
Newark Asphalt Corp.	Martinsburg	1	Passaic River	1000
Orange Products Inc.	Butte	1	Passaic River	3079
Otis Elevator Co.	Harrison	5	Passaic River	3500
Passaic Valley Sewerage		1	Passaic River-Dead River Tr. (2 discharge points)	
PSE & G Co., Harrison Gas Plant	Gandy	5	Passaic River	4925
Public Service Electric & Gas, Pat Norman		1	Passaic River	4930
Raybestos-Manhattan Inc.	Norfolk	6	Passaic River	3069
RCA Corp., Harrison	Gandy	1	Passaic River	4931
Revere Smelting & Refining Corp.	Martinsburg	1	Passaic River	4930
Royce Chemical Co.	Dakota County	1	Passaic River	4930
SB Penick Co., CPC, Sandoz-Wander Inc. Fairlawn	Lyndhurst DeWitt	1 3	Passaic River Passaic River	4930 **4910**
Sun Oil Co., Newark	Martinsburg	2	Passaic River	**4463**
Technical Coatings Co.		1	Passaic River	**4930**
Beattie Manufacturing Co.		1	Passaic River	**2'200**
USM Corp Parker-Kalon Div. Cedar Creek		1	Passaic River	**3452**
Wagner Electric Corp.		1	Passaic River	
Walter Kidde & Co., Inc.		3	Passaic River	4930
Western Electric Co.	Kearny	1	Passaic River	4930
Whippany Paperboard Co. Clifton	Cedar Creek	4	Passaic River	4930

Table 17 - 26 (cont.)

INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SIC[a]
Fritzche Dodge & Olcutt		1	Passaic River	2818
Amerada Hess Corp.	Pt. Reading	1	Hackensack River	5092
Amerada Hess Corp.		2	Hackensack River	5092
Amerada Hess Corp.	Humphrey	4	Hackensack River	5092
Benedict-Miller Inc.		1	Hackensack River	5091
Diamond Shamrock Corp.	Kearny	1	Hackensack River	2819
Diamond Shamrock Corp.	Hadar	4	Hackensack River	2819
Erie Lackawanna Railway Co.		1	Hackensack River	4011
Exxon Company, USA		1	Hackensack River	5092
Gulf Oil Corp. Ridgefield Park	Plattsmouth	1	Hackensack River	5092
Hackensack Water Co.	Nehawka	1	Hackensack River	4941
J. Josephson Inc.		1	Hackensack River	2200
Koppers Co. Seaboard Plant		2	Hackensack River	2818
Marzahl Chemical Co.		1	Hackensack River	4930
Public Service Electric & Gas	Farnam	1	Hackensack River	7542
Public Service Electric & Gas, Berg	Platte Ctr.	2	Hackensack River	4931
Public Service Electric & Gas, Huds	Hadar	6	Hackensack	4931
Public Service ELectric & Gas, JC	Hadar	10	Hackensack River	4930
Public Service Electric & Gas	Kear	4	Hackensack River	4931
Public Service Electric & Gas, Mari	Hadar	3	Hackensack River	4931
Spring Valley Water	Weehawken	1	Hackensack River	4941

Table 17 -26 (cont.) INDUSTRIAL SOURCES OF WATER POLLUTION
NEW JERSEY

Industry	Town	# Pipes	Receiving Water	SIC[a]
St. Regis Paper Co.		1	Hackensack River-Tr.	7391
Standard Chlorine Chemical Co.		1	Hackensack River	4930
Transcontinental Gas Pipe Line		1	Hackensack River	4930
UMC Industries Inc.	Hermetite	1	Hackensack River	2751
Union Textile Printers Inc.		2	Hackensack River	2200
Amerada Hess Corp.	Atkinson	1	Kill Van Kull	5092
Anheuser-Busch Inc.	Old Bridge	1	South River	2099
Elizabethtown Water Co.	Malcolm	1	Rancocas Creek	4941
Elizabethtown Water	Stony Brook	1	Stony Brook	494.1
Gallo Asphalt Co.		1	Hackensack-Pond	1000

[a] Standard Industrial Code

Source: U.S. Environmental Protection Agency, Region II, Storet printout, March, 1974.

Table 17-27

NEW JERSEY

MUNICIPAL SOU RCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	# Pipes	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
	Borough of W. Paterson	Passaic R.	1				
	County Of Essex	Passaic R.	1				
	Mount Laurel Municipal	Passaic R.	1				
	Borough of Totowa	Passaic R.	1				
	Borough of Totowa	Trib to Pequannc	1				
	City of Perth Ambo	Raritan R.	6				
	Raritan Township Muncipal Utilities	So Branch Raritan	R. 1				
	Town of Clinton	So Branch Raritan	R. 1				
	Township of Branch	ırg So Branch Rarita	R. 1				
	Township of Woodbr	ıge Raritan R.	1				

NEW JERSEY

Table 17.-27 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	# Pipes	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
	Borough of Atlanti Highlands	Sandy Hook Bay	1				
	Borough of Keyport N.J.	Raritan Bay	1				
	Middlesex County Sewerage Authority	Raritan Bay	1				
	Middlesex County Sewerage Authority						
	Middlesex County Sewerage Authority						
	Somers Point City Sewerage Authority	Raritan Bay	1				
	Township of Chatham	Arthur Kill	1				
	Township of Woodbridge	Arthur Kill	1				
	Mayor & Borough Council	Raritan Bay	1				
	Township of Middletown	Monmouth County Bayshore	1				

NEW JERSEY

Table 17 - 27 (cont.) MUNICIPAL SOURCES OF WATER POLLUTION

Basin-County	Municipality	Receiving Water	# Pipes	Vol. Of Waste Disch. (MGD) Winter	Vol. Of Waste Disch. (MGD) Summer	P.E. of SS, B.O.D. /Day Winter	P.E. of SS, B.O.D. /Day Summer
	Bergen County Sewer Authority						
	City of So Amboy DPW						
	Berkeley Township Sewerage Authority	Atlantic Ocean	1				
	Berkeley Township Sewerage Authority	Stony Brook	1				
	Berkeley Township Sewerage Authority						

Source: U.S. Environmental Protection Agency, Region II, Storet Printout, March, 1974.

Table 17 -28

Sediment Volume by Source

Subregion [a]	1966 (000 cu.yd/yr.) Agr.	Non-Agr.
A	340	1 1 8
B	478	648
C	432	620

[a] A= St. John, Penobscot, Kennebec, Androscoggin, St. Croix, Maine Coastal River Basins.
B= Presumpscot, Saco, Piscataqua, Massachusetts Coastal, Merrimack, Connecticut, Narragansett Bay, Pawcatuck, Thames, Connecticut Coastal, and Housatonic River Basins.
C= Hudson and Long Island River Basins.

SOURCE: U.S. Army Corps of Engineers, 1972.

Table 17 - 29

Animal Waste Loads

Subregion [a]	Waste Load in Population Equivalents BOD	Total Solids
A	2,348	4,432
B	7,969	14,751
C	16,289	28,243

[a] A= St. John, Penobscot, Kennebec, Androscoggin, St. Croix, Maine Coastal River Basins.
B=Presumpscot, Saco, Piscataqua, Massachusetts Coastal, Merrimack, Connecticut, Narragansett Bay, Pawcatuck, Thames, Connecticut Coastal, and Housatonic River Basins.
C= Hudson and Long Island River Basins.

SOURCE: U.S. Army Corps of Engineers, 1972

Table 17-30

MAINE

WATER QUALITY LIMITED STREAM SEGMENTS

1. The St. John River from mile 35.4 (the Fraser Paper Co. outfall) to mile 0 (the U.S.-Canada boundary).

2. The Presumpscot River from mile 6.7 (the S.D. Warren Paper Co. outfall) to mile 0 (the head of tide at Presumpscot Falls).

3. The Mousam River from mile 12.1 (the outfall from Sanford's sewerage lagoons) to mile 0 (the head of tide).

4. The St. Croix River from mile 10.0 (the Georgia Pacific Paper Co. outfall) on mile 0 [the head of tide near Todd Street, Calais).

5. The East Branch of Sebasticook River from mile 14.0 (the outfall from the Corinna sewage treatment plant) to mile 0 (the confluence of the East Branch and main stem Sebasticook River).

6. The Sebasticook River from mile 39.8 (the outfall from the Hartland Tannery) to mile 0 (the confluence with the Kennebec River).

7. The Little Androscoggin River from mile 28.3 (the A.C. Lawrence Tannery discharge) to mile 0 (the confluence with the Androscoggin River).

8. The Penobscot River from mile 80.4 (the confluence of Millinocket Stream) to mile 63.0 (Weldan Dam).

9. The Aroostook River from mile 17.9 (the beginning of the B-1 classification for the Caribou water supply) to mile 14.9 (the dam at the municipal water supply intake). Mile 0 for the Aroostook River is the U.S. - Canada border.

10. Prestile Stream from mile 18.9 (the waste outfall from Vahlsing, Inc.) to mile 0 {the U.S. - Canada border).

11. Goosefare Brook from mile 2.5 (the outfall from Maremont Corp. in Saco, Maine) to mile 0 (the head of high tide where the Boston and Maine Railroad crosses the brook between Saco and Old Orchard).

12. Back Cove, Portland

Source: Maine Department of Environmental Protection, 1973.

Table 17 -31

MAINE

WATER QUALITY LIMITED LAKES AND PONDS[a]

Annabessacook Lake (S. Kennebec)
Bauneg Beg Lake (S. Maine)
Bonney Eagle Lake (Cumberland & S. Maine)
Chila Lake (N. Kennebec)
Cobbosseecontee Lake (S. Kennebec)
Cochnewagon Pond (S. Kennebec)
Crowford Pond (Mid Coastal)
Estes Lake (S. Maine)
Fitzgerald Pond (N. Kennebec)
Halay Pond (Androscoggin)
Little Ossippe Lake (S. Maine)
Little Sebago Lake (Cumberland)
Long Lake (N. Maine)
Lovejoy Pond (N. Kennebec)
Mattawamkeag Lake (N. Maine)
Mousam Lake (S. Maine)
North Pond (N. Kennebec)
Pattee Pond (N. Kennebec)
Portage Lake (N. Maine)
Pushaw Lake (Penobscot)
Sabattus Pond (Androscoggin)
Salmon Lake (McGraph Pond) (S. Kennebec)
Schoodic Lake (E. Maine)
Sebasticook Lake (N. Kennebec)
Spaulding Pond (S. Maine)
Taylor Pond (Androscoggin)
Three Mile Pond (N and S Kennebec)
Togus Pond (S. Kennebec)
Toothacker Pond (Androscoggin)
Webber Pond [N. Kennebec)

[a]Listed alphabetically with the Planning District in which they are located.

Source: Maine Department of Environmental Protection. 1973.

Table 17-.32: Water Quality of Connecticut/Long Island Sound Waters

THAMES RIVER WATERSHED

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Quinebaug River from the Corm.-Mass. State Line downstream to junction with Mashamoquet Brook	C & D	CC	Bc
Quinebaug River from Mashamoquet Brook to -unction with Five Mile River	CC	ES	Bs
Quinebaug River from the junction of Five Mile River downstream to junction of the Quinebaug River with the Shetucket River	Cc	Bs	Bs
French River from Corm.-Mass. State "Line downstream to the" Village of Grosvenor Dale	D	C	B
French River from the Village of Grosvenor Dale downstream to Mechanicsville at the junction with Quinebaug River	D	B	B
Little River from source to Peake Brook Road	AA	AA	AA
Little River from F'cake Brook Road to junction with the Quinebaug River	C	Es	Bs
Wappoquia Brook from source to junction with Mashamoquet Brook	A	A	A
Mashamoquet from junction with Wappoquia Brook to junction with White Brook	A	A"	A
Whit.e Brook from Searles Road to junction with Mashamoquet Brook	Bs	Es	Bs
Mashamoquet Brook from junction with White Brook downstream to the junction with the Quinebaug River	Es	Bs	Bs
Whetstone Brook from Corm.-R.X. State Line (Killingly Pond) to East Killingly	As	A	A
Chase Reservoir and tributaries	AA	AA	AA
Whetstone Brook from East Killingly to a point One Mile downstream from East Killingly	C	A	A
Crystal Pond end tributaries	AA	AA	AA
Whetstone Brook from a point One Mile below East Killingly downstream to junction with Five Mile River	Es	A	A
Five MileRiver from source to Pineville	A	A	A
Powdrell and Alexander Memorial Water Assoc. Reservoir	AA	AA	AA

Table "17 - 32 (cont.)

THAMES RIVER WATERSHED - Continued .

SURFACE WATER SEGMENT	Present Condition 11/30/73.	Anticipated Condition 11/30/76	Adopted Standard
Five Mile River from Pineville downstream to the Borough of Danielson, North Boundary	Bs	A	A
Five Mile River from the North Boundary of the Borough of Danielson downstream to the junction of the Quinebaug River	C	Bs	Bs
Moosup River from Conn.-R.I. State Line to Oneco	A	A	A
Moosup River from Oneco downstream to Starling	Bs	Bs	Bs
Moosup River from Sterling downstream to Almyville	C	Bs	Bs
Moosup River from Almyville downstream to the junction with the Quinebaug River	Es	Bs	Bs
Stone Hill Reservoir and tributaries	AA	AA	AA
Mill Brook Stone"Hill Reservoir to Plainfield	A	A	A
Mill Brook from Plainfield to mouth	C	B	B
Pachaug River - Beach Pond .	As	As	As
Pachaug River from Beach Pond Dam downstream to Voluntown	B	Bs	B s
Pachaug River from Voluntown downstream to outlet of Doaneville Pond	C	Bs	Bs
Pachaug River from outlet of Doanville Pond downstream to Glasgo	B	Bs	Bs
Pachaug River from Glasgo to a point one mile downstream from Glasgo	C	B s	Bs
Pachaug River from a point one 'mile downstream from Glasgo to Ashland Pond Dam	B	Bs	Bs
Pachaug River from Ashland Pond Dam downstream to the junction with the Quinebaug River	C	Bs	Bs
Shetucket River from confluence of Willimantic and Natchaug River to confluence with Quinebaug River	B & C	Bs	B s
Baltic Reservoir and tributaries	AA	A A	AA
Shetucket River from confluence with Quinebaug River to Greenville Dam, Norwich	B & C	Bc	Bc

Table "17 -32 (cont.)

THAMES RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted standard
Shetucket and Thames Rivers from Greenville Dam, Norwich to mouth (Shellfish Closure Line)	SC	SCc	SBC
Willimantic River from confluence of Middle River and Furance Brook to confluence with Roaring Brook	B	Ec	Bc
Willimantic River from Roaring Brook to junction with Natchaug River	B	Bs	Bs
Middle River from source to Tolland Avenue Bridge	Bs	A	A
Middle River from Tolland Avenue Bridge to junction with Furnace Brook	Bs	Bs	Bs
Copse Pond and tributaries	AA	AA	AA
Furnace Brook from Staffordville Reservoir Dam to junction with Middle River	Bs	Bs	Bs
Stafford Reservoir No. 2 and tributaries	AA	AA	AA
Roaring Brook from Stafford Reservoir No. 2 Dam to junction with Willimantic River	A	A	A
Hop River from source to junction with Willimantic River	A	A	A
Fenton River from source to mouth "	AA	AA	AA
Mt. Hope River from source to mouth	AA	AA	AA
Natchaug River from source to Willimantic Reservoir Dam	AA	AA	AA
Natchaug River from Willimantic Reservoir Dam to junction with Willimantic River	A	A	A
Wangumbaug Lake	B	B	B
Mill Brook from Wangumbaug Lake Dam to Willimantic River	B	Bs	Bs
Hanover Reservoir and tributaries	AA	AA	AA
Little River from Hanover Reservoir Dam to Paper Mill Pond Inlet	B	A	A
Little River from Paper Mill Pond Inlet to mouth	C	B	B
Yantic River from junction with outlet stream of Red Cedar Pond to confluence with Bobbin Mill Brook	C	Bs	Bs

Table 17.--32 (cont.)

THAMES RIVER WATERSRED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
FairView Reservoir and tributaries	AA	AA	AA
Bobin Mill Brook from Fairview Reservoir Dam to confluence with Yantic River	B	A	A
Yantic River from Bobbin Mill Brook to mouth	C	Cc	Bc
Oxoboxo River from Wheeler Pond Dam to mouth	C	B s	Bs
Hunts Brook from source to mouth	A, B & C	A	A
AU *other* non-tidal waters		A	
All other tidal waters		Same as adjacent tidal standard	

Table 17 --32 (cent.)

CONNECTICUT RIVER WATERSHED

SURFACE WATER SEGMENT	Present Condition 2.3./30/73	Anticipated Condition 11/30/76	Adopted Standard
Connecticut *River* from Corm.-Msss. State' Line to Enfield Dam	cc	*cc*	Bc
Connecticut River from Enfield Dam to junction of Fsrmington River	cc	*cc*	Bc
Connecticut River from junction of Farmington River to Hurd State Park in East Hampton	SCc	SCc	SBc
Connecticut River from Hurd State Park in East Hampton to mouth (Shellfish Closure Line)	Scc	SBC	SBc
Freshwater Brook from Crescent Lake Dam to Connecticut *River*	C	c	B
Windsor Locks Reservoir and tributaries	AA	AA	AA
Waterworks Brook from Windsor Locks Reservoir Dam to Connecticut River	A	A	A
Scantic River from Corm.-Mass. State Line to Dam at Somersville	Bs	A	"A
Scantic River from Dam at *Somerville to* Connecticut River	Cs	Bs	Bs
Podunk River source to mouth	Bs	Bs	Bs
Woods Stream from source to Shaker Road	A	A	A
Woods Stream from Shaker Road to junction with Scantic *River*	c	c	B
Crescent Lake	A	A	A
West Branch Farmington River and tributaries from Conn.-Mass. State Line to Hogback Dam	AA	AA	AA
West Branch Farmington River from Hogback Dam to junction of Still River	A	*A*	A
West Branch Farmington River from junction of Still River to junction of East Branch	Bs	Bs	Bs
East Branch Farmington River from Corm.-Msss. State Line to Seville Dsm	"AA	AA	AA
East Branch Farmington River from Seville Dam to junction of West Branch	A	A	A

Table 17 '-32 (cont.)

" CONNECTICUT RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Farmington River from junction of East and West Branches to Route 44 Bridge in Avon	Bs	Bs	Bs
Farmington River from Route 44 Bridge in Avon to Connecticut River	Cs	Bs	Bs
Mad River and tributaries from source to Water Supply Diversion	AA	AA	AA
Mad River from Water Supply Diversion to City of Winsted Line	A	A	A
Mad River from City of Winsted Line to junction of Still. River	Bs	Bs	Bs
Outlet from Highland Lake to Mad River	C	C"	B
Rugg Brook Reservoir and tributaries	A A	"AA	AA
Crystal Lake and tributaries	AA,	AA	AA
Still River "from" source to junction of Mad River	B	B	B
Still River from junction of MadRiver to junction of Sandy Brook	C	C	B
Still River from junction of Sandy Brook to junction of West Branch Farmington River	B	B	B
Sandy Brook from Cohn.-Mass. State'Line to junction of Still River	As	As	As
Cherry Brook from source to mouth	h ,	" A	A
Nepaug Reservoir and tributaries	AA	AA	AA
Nepaug River from Nepaug Reservoir Dam to Farmington River	A	A	A
Burlington Brook from source to Torrington River	A	A	A
Roaring Brook from source to mouth	A	A	A
Pequabuck River from source to Middle Pond Dam	A	A	A
Pequabuck River from Middle Pond Dam to Farmington River	C	C	B
Terryville Reservoir No. 3 and tributaries	AA	AA	AA

TAble 17-32 (cont.)

CONNECTICUT RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Outlet from Terryville Reservoir No. 3 to Pequabuck River	A	A	A
Poland River and tributaries from source to mouth	AA	AA	AA
Old Marsh Pond Brook from Bristol Reservoir No. 7 Dam to mouth	A	A	A
Mine Brook and tributaries from source to Farmington Avenue (Routes 6 & 202)	AA	AA	A A ;
Mine Brook from Farmington Avenue (Routes 6 & 202) to Pequabuck River	B	B	B
Birge Pond Brook to Birge Pond Dam	A	A	A
Birge Pond Brook from Birge Pond Dam to Pequabuck River	B	"B	B
Bristol Reservoir No. 1 and tributaries	AA	AA	AA
Outlet of Bristol Reservoir No. 1 to Pequabuck River	B	B	B
Farmington Reservoir and tributaries	AA	AA	AA
Outlet from Farmington Reservoir to Pequabuck River	A	A	A
Nod Brook from source to Stub Pond Dam	A	A	A
Nod Brook from Stub Pond Dam to Farmington River	B	Bs	Bs
Simsbury Reservoir and tributaries	AA	AA	AA
Hop Brook from Simsbury Reservoir Dam to Farmington River	A	A	A
Weat Branch of Salmon Brook from source to Route 202	A	A	A
West Branch Salmon Brook from Route 202 to East Branch Salmon Brook	Bs	Bs	Bs
East Branch Salmon Brook from source to West Branch Salmon Brook	A	A	A
Salmon Brook from confluence of East and West Branches to Farmington River	Bs	Bs	Bs

Table 17-32 [cont.)

CONNECTICUT RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Mill Brook from source to mouth	B	B	B
Park River from confluence of North and South Branches to mouth	C	C	B
North Branch Park River from source to West Hartford-Hartford Town Line	B	A	A
North Branch Perk River from West Hartford-Hartford Town Line to confluence with South Branch Park River	C	C	B
South Branch Park River from source to Newfield Street, Hartford	C	B	B
South Branch Perk River from Newfield Street, Hartford to confluence with North Branch Park River	C	C	B
Hartford Reservoir end tributaries	AA	AA	AA
Shenipsit Lake and tributaries	AA	AA	AA
Hockanum River from Wapping Wood Road to junction with Tankerhoosen River	D	Cc	Bc
Hockanum River from junction with Tankerhoosen River to Route 44A Bridge	C	Bc	Bc
Hockanum River from Route 44A Bridge to junction with Connecticut River	D	CO	Bc
Tankerhoosen River from source to mouth	B"	A	A
Manchester Water Company Reservoir end tributaries	AA	AA	AA
Lydall Brook from Manchester Water Company Reservoir Dam to mouth	B	B	B
Porter and Howard Reservoirs end tributaries	AA	AA	AA
Hop Brook from confluence with Birch Mountain Brook to mouth	A	A	A
Globe Hollow Reservoir and tributaries	AA	AA	Ah
Birch Mountain Brook from source to mouth	h	A	A
Willow Brook source to mouth	c	B	B
Buckingham Reservoir and tributaries	AA	AA	AA

Table 17= '32 (cent.) CONNECTICUT RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Pattaconk Brook from source to outlet of Cedar Lake	A	A	A
Pattaconk Brook from outlet of Cedar Lake to mouth	Bs & Cs	Bs	Bs
Deuses Pond and tributaries	AA	"AA	AA
Great Brook from Deuses Pond Dam to confluence with Pattaconk Brook	A	A	A
Deep River from source to outlet of Pratt Read Reservoir	A	A	A
Deep River from outelt of Pra-t Read Reservoir to mouth	Bc & Cc	Bc	Bc
Eightmile River from source to mouth	A	A.	A
All other non-tidal waters		A	
All other tidal waters		Same as adjacent tidal standard	

Table 17 - 32 (cont.)

HOUSATONIC RIVER WATERSHED

SURFACE WATER SEGMENT	Present Condition 11/.30/73	Anticipated Condition 11/30/76	Adapted Stand ard
Housatonic River from the Corm.-hkws. State Line Downstream to Junction with BlackberryRiver	Cs	Bs	Bs
Housatonic River from Junction with Black- berry River to Boardman Bridge	Bs	Bs	Bs
Housatonic River from Boardman Bridge to Derby Dam	Bc	Bc	Bo
Housatonic River from Derby Dam to mouth (Shellfish Closure Line)	SCc	SBc	B
Konkapot River from source to State Line	A	A	A
Blackberry River from confluence of Wood Creek and Spaulding Brook to mouth	Bs	Bs	Bs
North Canaan Water Company Reservoir and tributaries	AA	AA	AA
Lakeville Reservoirs I & II and tributaries	AA	AA	AA
Salmon Creek from confluence of Wachocastinook Brook to Housatonic River	Bs	Bs	Bs
Wachocastinook Brook from confluence with Factory Brook to mouth	Bs	Bs	Bs
Factory Brook from outlet of Wononskopomuc Lake to confluence with Wachocastinook Brook	Bs	Bs	Bs
Indian Lake and Indian Lake Creek from Conn.-New York State Line to junction of Beardsley Pond Brook	Bs	Bs	Be
Wononpakook Lake", Mudge Pond, Mudge Pond Brook to Beardsley Pond Brook	A:	A	A
Hollenbeck River from source to mouth	A	A	A
Wangum Lake and tributaries	AA	AA	AA
Wangum Lake Brook from Wangum Lake to Hollenbeck River	A	A	A
Caulkintown Reservoir and tributaries	AA	AA	AA
Beardsley Pond and tributaries	AA	AA	AA
Beardsley Pond Brook from Beardsley Pond	B	B	B

Table 17-32 (cont.)

HOUSATONIC RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Beardsley Pond Brook from junction of Mudge Pond Brook to Corm.-NewYork State Line	Bs	BEI	Bs
Webatuck Creek within Connecticut	"A	A	A
Mill Brook from source to Corm.-NewYork State Line	A	A	A
Kent School Reservoir end tributaries	AA	AA	AA
Ten Mile River from Corm.-NewYork State Line to junction of Housatonic River	Bs	Bs	Bs
West Aspetuck from source to junction with East Aspetuck	A	A	A
East Aspetuck from source to Housatonic River	A	A	A
New Milford Reservoir No. 1 Dam and tributaries . .	AA	AA	AA
New Milford Reservoir No. 4 Dam and tributaries	AA	AA	AA
Still River from Mill Plain Swamp to mouth	C	C	B
Limekiln Brook from East Swamp Brook to mouth	C	C	B
Chestnut Ridge Reservoir and tributaries	AA	AA	AA
Eureka Lake end tributaries	AA	Ah	AA
Sympaug Brook from confluence with outlet of Chestnut Ridge Reservoir to Route 202	B	B	B
Sympaug Brook from Route 202 to mouth	C	C	B
Margerie Lake Reservoir and tributaries	AA	AA	AA
Padanaram Reservoir and tributaries	AA	AA	AA
Padanaram Brook from Padanaram Reservoir to Still River	Bs	Be	Bs
Lower Kohanza Lake and tributaries	AA	Ah	AA
Kohanza Brook from Lower Kohanza Lake Dam to Still River	Bs	Bs	Bs
West Lake Reservoir and tributaries	AA	AA	AA

Table 17-32 (cent.)

HOUSATONIC RIVER WATERSHED Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Outlet from West Lake Reservoir to Kohanza Brook	A	A	A
Clapboard Oak Brook from source to mouth	B	B	B
Taunton Pond and tributaries	AA	AA	AA
Pond Brook from source to Lake Lillinonah	A	A	A
Shepaug Reservoir and tributaries	AA	AA	AA
Shepaug River from Shepaug Reservoir Dam to confluence with Bantam River	A	A	A
Shepaug River from confluence of Bantam River to mouth	Bs	Bs	Bs
Litchfield Reservoir and tributaries	AA	AA	AA
Fox Brook from source to mouth	Bs	A	A
Bantam River from confluence of Ivy Mountain Brook to Bantam River	Bs	A	A
Pootatuck River from source to Deep Brook	A	A	A
Pootatuck River from Deep Brook to mouth	Bs	Bs	Bs
Deep Brook from Fairfield Hills Hospital to mouth	B	B	B
Pomperaug River from confluence with Weekeepeemee River and Nonewaug River to mouth	Bs	Be	Bs
Weekeepeemee River from source to mouth	A	A	A
Long Meadow Pond stream from source to mouth	A	A	A
Nonewaug River and tributaries from source to Route 61	AA	AA	AA
Nonewaug River from Route 61 to Pomperaug River	A	A	A
Woodbury Reservoir and tributaries	AA	AA	AA
South Brook from Woodbury Reservoir Dam to Pomperaug River	A	A	A
Transylvania Brook from confluence of Spruce Brook to mouth	Bs	Bs	Bs

TAble 17 -32 (cent.)

HOUSATONIC RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Eightmile Brook from source to mouth	A	A	A
Great Kill Reservoir and tributaries	AA	AA	AA
Four Mile Brook from outlet of Great Hill Reservoir to mouth	A	A	A
Naugatuck River from confluence of East and West Branches to Plume and Atwood Dam	B	B	B
Naugatuck River from Plume and Atwood Dam to mouth	C	C	B
West Branch Naugatuck River from confluence of Hart and Hall Meadow Brooks to Route 4	A	A	A
West Branch Naugatuck River from Route 4 to mouth	Bs	Bs	Be
Reuben Hart Reservoir Dam and tributaries	AA	AA	AA
Hart Brook from Reuben Hart Reservoir Dsm to West Branch Naugatuck River	A	A	A
Hall Meadow Brook from source to mouth	A	A	A
Whist Pond and tributaries	AA	AA	AA
Drake Pond Brook from outlet of Whist Pond to mouth	A	A	A
Nickel Mine Brook and tributaries above Allen Dam	AA	AA	AA
Nickel Mine Brook from Allen Dam to mouth	A	A	A
East Branch from inlet of East Branch Reservoir to mouth	B	B	B
Troy Brook from source to mouth	B	B	B
Leadmine Brook from source to mouth	A	A	A
Hancock Brook from source to mouth	Bs	Bs	Bs
Plymouth Reservoir and tributaries	AA	AA	AA
Plymouth Reservoir to Naugatuck River	A	A	A
Wigwam Reservoir and tributaries	AA	AA	AA

Table 17-32 (cont.)

HOUSATONIC RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition. 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Branch Brook from Wigwam Reservoir Dam to mouth	Bs	Bs	Bs
Steele Brook from source to confluence with Wattles Brook	Bs	Bs	Bs
Steele Brook from confluence with Wattles Brook to mouth	C	C	B
Wattles Brook from source to Steele Brook	C	B	B
Mad River from source to Hamilton Street	Bs	Bs	Bs
Mad River from Hamilton Street to mouth	C	C	B
Waterbury Reservoir No. 2 and tributaries	AA	AA	AA
Waterbury Reservoir No. 2 outlet to Beaverpond Brook	A	A	A
East Mountain Reservoir and tributaries	AA	AA	AA
East Mountain Reservoir outlet to Beaverpond Brook	A	A	A
BeaverPond Brook from source to Mad River	A	A	A
Hop Brook from source to mouth	A	A	A
Lake Elise and tributaries	AA	AA	AA
Long Meadow Pond Brook from Lake Elise to mouth	Bs	Bs	Bs
Fulling Mill Brook from Maple Hill Road to mouth	C	B	B
Hopkins Reservoir and tributaries	AA	AA	AA
Cold Spring Brook from Hopkins Reservoir Dam to Fulling Mill Brook	A	A	A
Mulberry Reservoir end tributaries	AA	AA	AA
Mulberry Reservoir outlet to Naugatuck River	A	A	A
Candee Reservoir and tributaries	AA	AA	AA
Straitsville Brook from source to Beacon Hill Brook	A	A	A
Old Naugatuck Reservoir and tributaries	AA	AA	AA

Table 17 -'32 (cont.)

HOUSATONIC RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Marks Brook'from Old Naugatuck Reservoir Dam to Beacon Hill Brook	A	A	A
New Naugatuck Reservoir and tributaries	A A "	AA	AA
Beacon Hill Brook from New Naugatuck Reservoir Dam to Naugatuck River	A	A	A
Hockanum Brook from source to Homer D. Bronson Dam	A	A	A
Hockanum Brook from Homer D. Bronson Dam to mouth	Bs	Bs	Bs
Seymour Reservoir No. 1 and tributaries	AA	AA	AA
Bladens River from source to bridge at junction of North Street and Pearl Street	A	A	A
Bladens River from bridge at North Street and Pearl Street to mouth	B	B	B
Little River from source to mouth	Bs	Be	Bs
Fountain Lake Reservoir and tributaries	AA	AA	AA
Quillinan Reservoir" and tributaries	AA	AA	AA
Beaver Brook from Quillinan Reservoir Dam to mouth	A	A	A
Reservoir in Derby east of Academy Hill Road and tributaries	AA	AA	AA
Shelton Reservoir east of Meadow Street and tributaries	AA	AA	M
Curtis Brook from outlet of Shelton Reservoir east of Meadow Street to mouth	A	A	A
Means Brook Reservoir and tributaries	AA	AA	Ah
Means Brook from Means Brook Reservoir Dam to confluence with Farmill River	A	A	A
Isinglass Reservoir and tributaries	AA	AA	AA
Farmill River from Isinglass Reservoir Dam to confluence with Means Brook	A	A	A
Farmill River from confluence with Means Brook to mouth	Bs	Bs	Bs

Table 17-32 (cent.)

HOUSATONIC RIVER WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Trap Falls "Reservoir and tributaries.	AA	AA	AA"
Pumpkin Ground Brook from Trap Falls Reservoir Dam to mouth	A	A	A
Long Brook from source to Ferry Creek	c	B	B
Ferry Creek"	SC	SB	"
Beaver Brook from Beaver Brook Dam t? mouth	Bs	Bs	Bs
All other non-tidal. haters		A	A
All other tidal waters		Same as adjacent tidal standard	

Table 17. -32 (cont.)

LONG ISLAND SOUND WATERSHED

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Long Island Sound outside Shellfish Closure Lines from Corm.-New York State Line to Corm. R.I. State Line	SA	SA	SA
East Branch Byram River from Corm.-New York State Line to Byram River,	Bs	Be	Bs
Byram River from Conn.-New York State Line to Route 1	3s	Be	Bs
Byram River - Route 1 to tidewater	D"	CO	Be
Byram River - tidewater to mouth	SD	SCc	SBO
Converse Lake, Converse Pond Brook and tributaries to diversion to Putnam Lake	AA	AA	AA
Converse Pond Brook from diversion to Rest Branch Byram River	B	B"	B
Putnam Lake and tributaries	AA	AA	AA
Horse Neck Brook from outlet of Putnam Lake to tidewater	B	Bs	Bs
East Branch Mianus River and tributaries from Corm.-New York State Line to Mianus River	AA	AA	AA
Mianus River and tributaries from Conn.-New York State Line to Mianus Water Filter Plant	AA	AA	AA
Mianus River from Mianus Water Filter Plant to tidewater	Bs	Bs	Bs
Long Island Sound and Estuaries inside Greenwich Shellfish Closure Line	SB	SB	SB
Rippowam River and tributaries from Conn.-New York Line to North Stamford Reservoir Dam	AA	AA	AA
Mill River from Corm.-New York State Line to Laurel Reservoir, Laurel Reservoir and outlet to Rippowam River and tributaries	AA	AA	AA
Mill River and tributaries in Ridgefield from source to Corm.-New York State Line	AA	AA	AA
Rippowam River from North Stamford Reservoir to junction of Ayer Brook	Bs	Bs	Be

Table 17-32 (cont.)

LONG ISLAND SOUND WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Rippowam River from junction of Ayer Brook to tidewater	C	Bs	Bs
West Branch Stamford Harbor inside line 3000 feet downstream from Pulaski Street Bridge	SC	SB	SB
East Branch Stamford Harbor inside Hurricane Barrier	SC & SD	SC	SB
Stamford Harbor and adjacent areas from 3000 feet downstream from Pulaski Street. Bridge and from Hurricane Barrier to Stamford-Darien Shellfish Closure Line	SC	SB	SB
Noroton River from source to tidewater	B	Be	E s
Five Mile River and tributaries from Corm.-New York State Line to New Canaan Reservoir Dam	AA	AA	AA
Five Mile River from New Canaan Reservoir Dam to New Canaan Sewage Treatment Plant	Bs	Bs	Bs
Five Mile River from New Canaan Sewage Treatment Plant to tidewater	c	co	E c
Five Mile River tidal waters inside Shellfish Closure *Line*	SBs	SB	SB
Norwalk River from source to Silvermine River	C	Bs	Bs
Norwalk River from Silvermine River to tidewater	C	C c	Bc
Comstock Brook and tributaries from source to junction with outlet stream of Streets Pond	AA	A A	AA
Silvermine *River* and tributaries *from Corm.- New* York State Line to Grupes Reservoir Dam	*AA*	*AA*	AA
Silvermine River from Grupes Reservoir Dam to junction with Norwalk River	Bs	Bs	Bs
East and West Branches Silvermine River and tributaries within Connecticut	AA	AA	AA
South Norwalk Reservoir and tributaries	AA	AA	AA
Beldens Hill Brook from South Norwalk Reservoir Dam to junction with Silvermine River	A	A	A

Table 17.-32 (cont.)

"LONG ISLAND SOUND WATERSHED - Continued

SURFACE WATER SEGMENTS	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Norwalk Harbor inside line extending from Keyser Point to Calfpasture Point	SC & SD	SC	SB
Norwalk Harbor and adjacent areas between line extending from Keyser Point to Calf-pasture Point and the Norwalk Shellfish Closure Line	SB	SB	SB
Saugatuck Reservoir and tributaries	AA	AA	AA
Saugatuck River from Saugatuck Reservoir Dam to junction of West Branch of Saugatuck River including the West Branch	A	A	A
Saugatuck River tidal waters inside Shell-fish Closure Line	SB	SB	SB
Aspetuck Reservoir and tributaries	AA	AA.	AA
Aspetuck River from Aspetuck Reservoir Dam to junction with Saugatuck River	A	A	A
Sherwood Mill Pond inside Shellfish Closure Line	SB	SB	SB
Hemlock Reservoir and tributaries	AA	A A'	AA
Cricker Brook from Hemlock Reservoir Dam to mouth	A	A	A
Easton Reservoir and tributaries	AA	AA	AA
Mill River from Easton Reservoir Dam to Samp Mortar Reservoir Dam	A	A'	A
Mill River from Samp Mortar Reservoir Dam to tidewater	B & C	Bs	Bs
Mill River tidal waters inside Shellfish Closure Line	SBS	SB	SB
Rooster River from Horse Tavern Brook to tidewater	B, C & D	B	B
Horse Tavern Brook from source to mouth	B	Bs	Bs
Ash Creek, Black Rock Harbor and Bridge-port Harbor	SC	SC	SB
Tidal waters outside Ash Creek, Black Rock Harbor and Bridgeport Harbor and inside Bridgeport Shellfish Closure Line	SB & SC	SB	SB

Table 17-32 (cont.)

LONG ISLAND SOUND WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
West Branch Pequonnock River and tributaries from source to Pepper Street, Monroe	AA	AA	AA
West Branch Pequonnock River from Pepper Street, Monroe, to junction with Pequonnock River	A	A	A
Pequonnock River from source to Whitney Avenue, Trumbull	A	A	A
Pequonnock River from Whitney Avenue, Trumbull, to tidewater	Bc	Bc	Bc
Bruce Brook from source to tidewater	C	C	B
Great Creek	SB	SA	SA
Wepawaug Reservoir and tributaries	AA	AA	AA
Indian River from Wepawaug Reservoir Dam to tidewater	Bs	Bs	Bs
Milford Harbor, Gulf Pond and The Gulf inside Milford Shellfish Closure Lines	SB	SB	SB
Oyster River from source to tidewater	B	B	B
Lake Dawson and tributaries	AA	A A "	AA
West River from Lake Dawson Dam to tidewater	B	Bs	Bs
Lake Wintergreen end tributaries	AA"	"AA	AA
Wintergreen Brook from Lake Wintergreen Dam to confluence with West River	B s	Bs	Bs
Quinnipiac River from source to Southington Sewage Treatment Plant	Bs	Bs "	Bs
Quinnipiac River from Southington Sewage Treatment Plant to tidewater	C	C	B
Quinnipiac River from tidewater to mouth	SD	S D	SB
New Britain Reservoir and tributaries	AA	AA	AA
Eightmile River from source to inlet of Plants Pond	B	A"	A
Eightmile River from inlet of Plants Pond to mouth	Es	Bs	Bs

Table 17 [illegible]-32 (cent.)

LONG ISLAND SOUND WATERSHED - Continued"

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/76	Adopted Standard
Southington Reservoir end tributaries	"AA	M	AA
Ten Mile River from Southington Reservcir Dam to confluence with Cuff Brook ,	AA	AA,	AA
Ten Mile River from confluence with Cuff Brook to mouth	Bs	Bs	Bs
Sloper Pond and tributaries	AA	AA	AA
Misery Brook from Sloper Pond Dam to mouth	B	B	B
Broad Brook Reservoir and tributaries	AA	AA	AA
Harbor Brook from Baldwins Pond Dam to mouth	B & C	B	B
Spoon Shop Brook from source to mouth	A	A	A
Willow Brook from source to Baldwins Pond Dam	Be	Bs "	B S
Clark Brook from source to mouth	C	Bs	Bs
Sodom Brook from source to mouth	C	Bs	Bs
Wharton-Catlin Brooks from source to mouth	A	A	A
Pine Reservoir and tributaries	AA	AA	AA
Muddy River from Pine River Reservoir " to mouth	Bs	13"	Bs
Lake Whitney and tributaries	AA	AA	M
Mill River from Lake Whitney Dam to State Street	C	C	B
Mill River from State Street to mouth	SD	SD	SB
New Haven Harbor inside line extending from Morse Park to Lighthouse Point	SD	SBc	SBC
New Haven Harbor between line extending from Morse Parkto Lighthouse Point and the New Haven Shellfish Closure Line	SC	SBc	SBc
Farm River and tributaries from source to Lake Saltonstall diversion tunnel	AA	AA	AA
Farm River from Lake Saltonstall diversion tunnel to tidewater	Bs	Be	Bs
Lake Saltonstall and tributaries	AA	AA	AA

Table 17-32 (cont.)

LONG ISLAND SOUND WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition 11/30/73	Adopted Standard
Pataguanset River from Pataguanset Lake Dam to mouth	Bs	Bs	Bs
Beckwith Pond and tributaries	AA	AA	AA
Latimer Brook from Beckwith Pond Dam to tidewater	B	A	A
Lake Konomoc and tributaries	AA	AA	AA
Lake Pond Brook from Lake Konomoc Dam to tidewater	B	A	A
Baker Cove tidal waters inside Groton-New London Shellfish Closure Line	SB	SB	SB
Groton Reservoir and tributaries	AA	AA	AA
Poquonock River from Groton Reservoir Dam to mouth	SB	SB	SB
Mumford Cove tidal waters inside Shellfish Closure Line	SB	SB	SB
Mystic River tidal waters inside Shellfish Closure Line	SB	SB	SB
Whitford Brook from source to confluence with Mystic River	A	A	A
Copps Brook *from source to* tidewater	A	A	A
Tidal waters inside Stonington Shellfish Closure Line from Wamphassuck Point to Palmer Neck Road in Barn Island Hunting Area	SB	SB	SB
Tidal waters inside Stonington Shellfish Closure Line from Palmer Neck Road in Barn Island Hunting Area to line from Pawcatuck Point to Rhodes Point	SB	SA	SA
Pawcatuck River from Corm.-R.I. State Line to a point one-half mile downstream from Ashaway River	C	Bs	Bs
Pawcatuck River from a point one-half mile downstream from Ashaway River to the junction of the Tributary Stream just East of Boom Bridge	C	Bs	Bs
Pawcatuck River from a point from the junction of the Tributary Stream just East of Boom Bridge to the junction of Shannock River	C	Bs	Bs

Table 17.-32 (cont.)

LONG ISLAND SOUND WATERSHED - Continued

SURFACE WATER SEGMENT	Present Condition 11/30/73	Anticipated Condition *11/30/76*	Adopted Standard
Pawcatuck River from the junction of Shannock River to Stillmanville Bridge	C	Bs	Bs
Pawcatuck River from Stillmanville Bridge, to tidewater	C	Bs	Bs
Pawcatuck River from tidewater to Pawcatuck Rock	Sc	SB	SB
Pawcatuck River from Pawcatuck Rock to a line from Pawcatuck Point to Rhodes Point	Sc	SB	SB
All other non-tidal waters		A	
All other tidal waters		Same *as* adjacent tidal standard	
All Connecticut tributaries to the Hudson *River*	AA	AA	AA

Table17.432 (cont.)

." LONG ISLAND SOUND WATERSHED - Continued

'SURFACE WATER SEGMENT	Present Condition 11/30/73 ."	Anticipated Condition 11/30/76	Adopted Standard
East Raven River tidal waters inside Shellfish Closure Line	SB	SB	SB
Lake Gaillard and tributaries	AA	AA	AA
Branford River from Lake Gaillard Dam to tidewater	Bs	Bs	Bs
Branford River from tidewater to Branford Point (Shellfish Closure Line)	SB	SB	SB
Tidal waters inside Thimble Islands - Stony Creek, Branford Shellfish Closure Line	SB	SB	SB
Menuckatuck Reservoir and tributaries	AA	AA	AA
West River from Menuckatuck Reservoir Dam to tidewater	A	A "	A
Eaat River from source to tidewater	A	A	A
Hammonasset Reservoir and 'tributaries	AA	AA	AA
Hammonasset River from Hammonssset Reservoir Dam to tidewater	A	A	A
Clinton Harbor inside Shellfish Closure Line	SBs	SBs	
Indian River from source to tidewater	A	A	A
Kelseytown Reservoir and tributaries	AA.	AA	AA
Menunketesuck River from Kelseytown Reservoir to tidewater	A	A	A
Falls River from outlet of Comstock Pond to tidewater	Bs	Bs	Bs
Fourmile River fr-m source to Plant's Dam	A	A	A
Fourmile River from Plant's Dam to tidewater	Bs	Bs	Bs
Fourmile River tidal waters and adjacent areas inside Rocky Neck Shellfish Closure Line	SB	SB	SB
Bridge Brook tidal waters and adjacent areas inside Bride Brook Shellfish Closure Line	SB	SB	SB
Pataguanset River from 'source to Pataguanset Lake Dam	A	A	A

Table 17 -33: Location, Condition, and Classification of Major Streams

Reach designation number	Stream and general location	Present condition	Classification
	Merrimack River Basin		
1.	The Merrimack River from the Pawtucket Dam, Lowell to Fish Brook, Andover	D & U	C
2.	The Merrimack River from Fish Brook Andover to the Dam in Lawrence	D & U	B
3.	The Merrimack River from the Dam in Lawrence to Creek Brook, Haverill	D & U	C
4.	The Merrimack River from Creek Brook, Haverill to the Rocks Village Bridge in Haverill and West Newbury	D & U	Sc
5.	The Merrimack River from the Rocks Village Bridge in Haverhill and West Newbury to the Atlantic Ocean	D & C	SB
6.	The Basin located in the Merrimack River estuary in the Towns of Newbury and Newburyport	Sc	SA
	Parker River Basin		
	The Parker River from its source to tidal water	B	B
	Ipswich River Basin		
	Streams in the Ipswich River Basin	--	B

Note: 1. Streams with an existing condition thatis below Class D are designated as "U" (unsatis factory).

Source: Metcalf and Eddy, Inc. 1970

Table 17 - 34

EXISTING WATER QUALITY

MAJOR RIVERS OF NEW ENGLAND

	Classification in miles of quality				
RIVER	A	B	C	D	E
Maine	284	99	182	276	23
New Hampshire		125	285	84	43
Vermont*	NA	NA	NA	NA	NA
Massachusetts	33	29	90	128	21
Rhode Island	0	2	24	14	8
Connecticut	0	48	168	41	
TOTAL	281	303	749	543	95
Percent	14%	15%	38%	28%	5%

*There are no major interstate rivers in the NERBC portion of Vermont. The Connecticut River is within New Hampshire's borders.

Total mileage of major rivers 1,971

Source: Compiled by NERBC staff from state water quality standards and river basin classifications.

A - Any use including drinking.
B - Drinking after chemical treatment, swimming irrigation of crops that are eaten raw.
C Boating, irrigation of crops that are cooked.
D - Transportation of sewage and industrial wastes without nuisance.
E - Open sewer.

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Chapter

17

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17.2 AIR QUALITY

This section is intended to present data which show present air quality conditions in the study area (broken into Air Quality Control Regions or AQCR's), the major waste dischargers influencing these conditions, and a discussion of the standards and regulations, federal and state, which will influence future dischargers.

17.2.1 STANDARDS

The Clean Air Act (PL91-604) of 1970, as amended, authorized the federal government to establish national primary and secondary ambient air quality standards, to be adopted as a minimum by the states. Primary standards define the level of air quality, which, with a margin of safety, will protect the public health. These standards are to be enforced by the summer of 1975. Secondary standards are more restrictive and based on public welfare, i.e., aesthetics. The enforcement date-on these has not been established. The Environmental Protection Agency (EPA) set the standards on April 30, 1971 (see Table 17-35). Additional standards may be set by the EPA as the need is defined, and existing standards may be revised. Recently, for instance, the EPA put a moratorium on the secondary sulfur dioxide standards in response to pressures brought on by the "energy crisis".

Many states adopted the national standards initially, later to revise them. In the study region', Maine, New Hampshire, Massachusetts and Rhode Island have adopted standards more restrictive than the national standards. (see Tables 17-36 through 17-39). Connecti cut, New York, and New Jersey have adopted the national standards (except that Connecticut and New Jersey have not suspended the secondary SO_2 standards). In addition, all of the states in the study region have passed legislation regulating emissions from specific sources in order to meet the ambient standards detailed above.

17.2.2 AIR QUALITY CONTROL REGIONS

The EPA, under the provision of PL91-604, designated interstate and major intrastate Air Quality Control Regions (AQCR's). Figures 17-54 and 17-55 show the boundaries of these regions.

17.2.3 AMBIENT AIR QUALITY CONDITIONS

Air quality data were obtained from the EPA, Region I offices from a SAROAD printout (Storage and Retrieval of Aerometric Data) of calendar year 1972 monitoring data. (See Tables 17-40 through 17-44) . Data for 1973 had not yet been computerized nor analyzed. Similar data for New York and New Jersey were not available through EPA Region II, as a request for a printout would have taken three to four months or more.

The air quality data computerized by the SAROAD system is obtained by the EPA form state air quality control agencies. In some cases the states have set up their own system to handle air monitoring data, and consequently, have been able to keep their files more up to date than the SAROAD system which handles all air data in the nation. These agencies were contacted for their most recent data. New Jersey sent 1971 and 1972 records; Massachusetts, Connecticut, New Hampshire and New York sent 1973 records (see Tables 17-45 through 17-49). Data obtained from Rhode Island and Maine were contained in the SAROAD file (Tables 17-40 and 17-43).

It should be noted that the data presented in Tables 17-40 through 17-49 do not represent the same period of sampling, and hence cannot be taken as equivalent. Additionally, caution is urged in the use of these data due to the variability in the methods and frequency of readings from one monitoring station to another. Finally, monthly and annual mean figures are indicative at the most, many of them being based on ten or fewer readings for the entire month or even year.

17.2.4 AIR POLLUTION SOURCES

The Environmental Protection Agency has the responsibility of licensing air and water dischargers, and has developed a computerized system to organize its records, called the National Emissions Data System (NEDS). Emissions inventories of individual point sources are supplied to the EPA by state air pollution control agencies. These inventories are exhaustive (15,000 for Connecticut alone) and difficult to use in an unanalyzed format. The NEDS program is able, however, to produce "emissions summaries" which present the total amount of SO_2, particulate or other pollutant emitted (in tons/year) for a particular region (AQCR, County, Town) by type of source. For instance, an emissions summary may detail the tons/year of S02 emitted by anthracite burning power plants in the Metropolitan Boston AQCR. This type of emissions data was felt to be most relevant and useable for the present study. The most recent emissions summaries available through NEDS represent calendar year 1972. Summaries by county were requested rather than AQCR's (see Tables 17-50 through 17-56). As with the ambient air data, individual states have, in some cases, devised their own system to handle the data more quickly. To date, only Connecticut has accomplished this successfully.

Table 17-51 summarizes the 1973 emissions data by county and broad source category. Table 17-58 illustrates the detail possible from this system, listing annual emissions by 17 source categories for six pollutants by town for the entire state. New York is in the process of developing a similar system, but as yet it does not have a capability beyond that of the federal NEDS system.

17.2.5 AIR QUALITY PROBLEMAREAS

In general, air pollution control agencies, both federal and state, agree that metropolitan areas are problem areas. Existing concentrations of air pollution sources already pose a problem in terms of meeting the 1975 national ambient air quality standards. One state within the study region has identified specific areas in this regard, called "critical areas of concern." These areas are listed below: (Massachusetts Department of Public Health, 1972):

Berkshire Air Pollution Control District - Adams, Dalton, Lee, North Adams, Pittsfield

Central Massachusetts Air Pollution Control District - Athol, Auburn, Boylston, Fitchburg, Gardner, Grafton, Holden, Leicester, Leominster, Millbury, Shrewsbury, Southbridge, Webster, West Boylston, and Worcester.

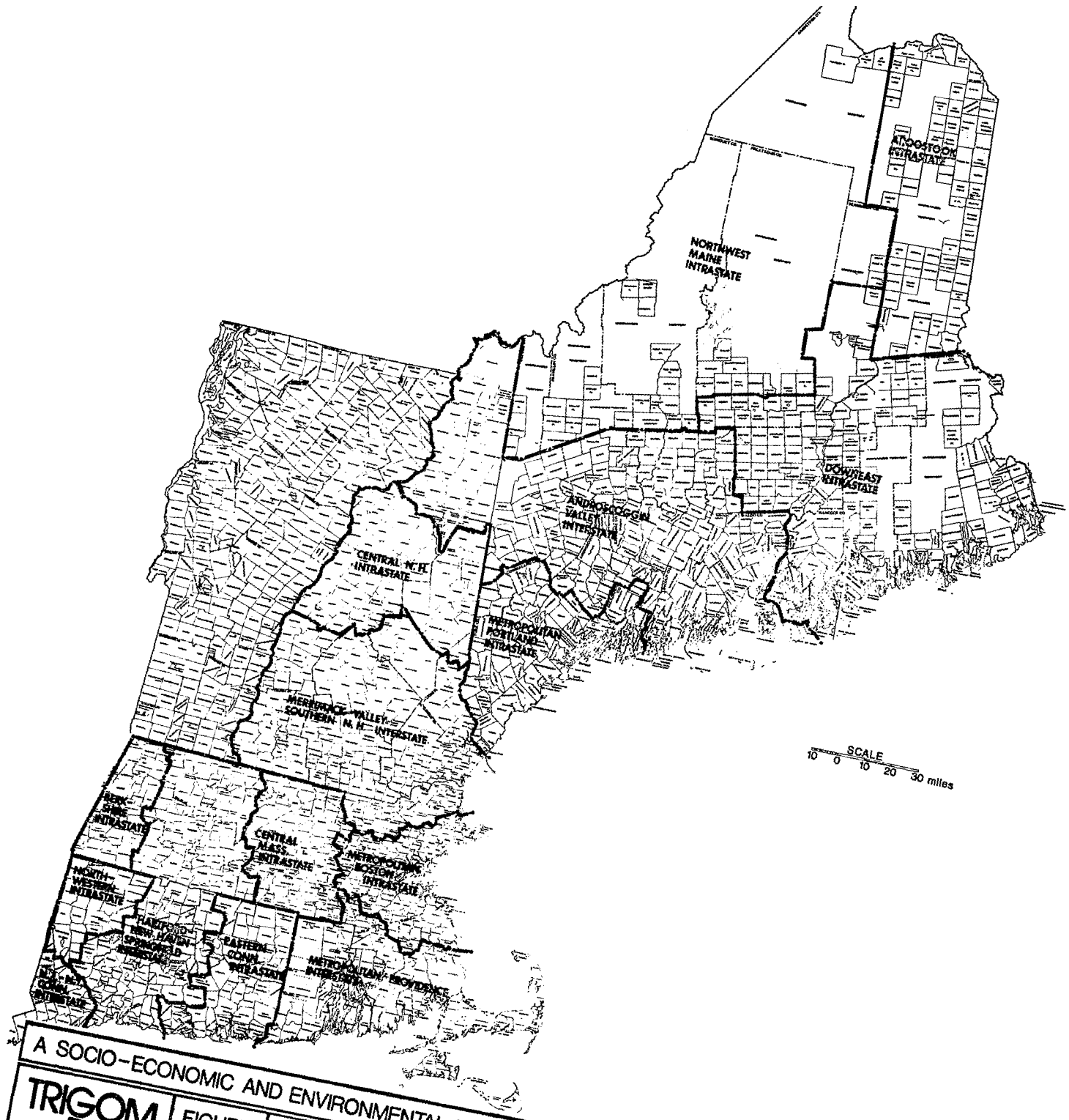
Merrimack Valley Air Pollution Control District - Haverhill, Lawrence, Lowell, and Newburyport.

Metropolitan Boston Air Pollution Control District - Arlington, Belmont, Boston, Braintree, Brookline, Cambridge, Canton, Chelsea, Dedham, Everett, Lynn, Maiden, Medford, Melrose, Milton, Needham, Newton, Peabody, Quincy, Revere, Salem, Saugus, Somerville, Stoneham, Wakefield, Waltham, Watertown, Weymouth, Winchester, Winthrop, and Woburn.

Pioneer Valley Air Pollution Control District - Amherst, Chicopee, Easthampton, East Longmeadow, Greenfield, Hadley, Holyoke, Longmeadow, Ludlow, Northampton, Orange, Palmer, Springfield, Ware, Westfield, and West Springfield.

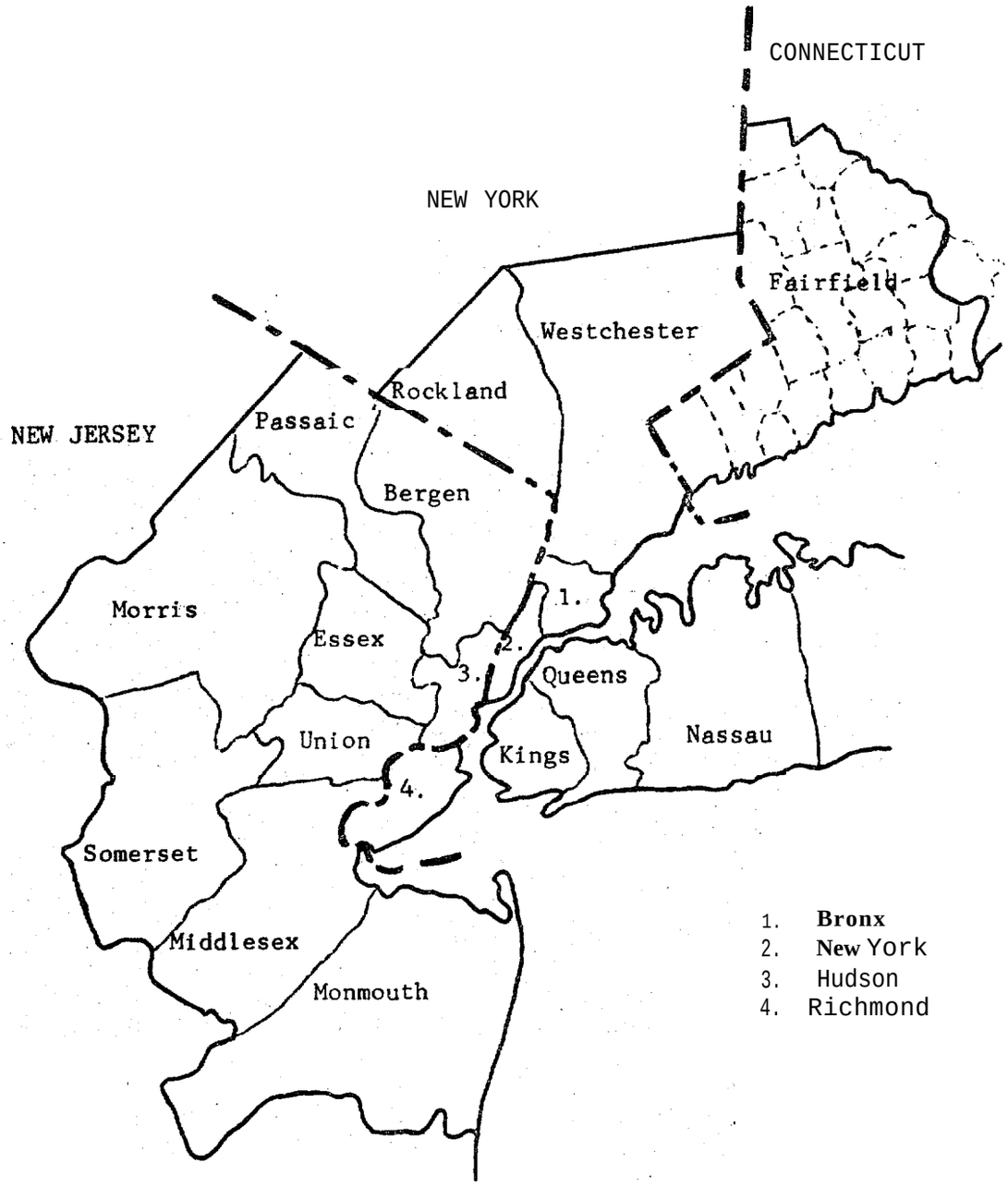
Southeastern Massachusetts Air Pollution Control District - Attleboro, Fall River, New Bedford, Sandwich, Somerset, and Taunton.

Areas of critical concern may also be identified in terms of their potential for pollution (i.e., their history of inversion conditions or fogging). Holzworth (1972) of the U. S. EPA Office of Air Programs utilizes the concepts of mixing heights and wind speeds, varied by season and time of day, to show high pollution potentials on a national scale. Figures 17-56 through 17-59 illustrate the type of analysis detailed in this report. Climatological stations within our study region (New Jersey to Maine) which supplied data for Holzworth's analysis included: (1) Caribou, Maine, (2) Portland, Maine, (3) Nantucket, Massachusetts, (4) Albany, New York, (5) New York, New York. Detailed information is thus available from these monitoring stations for more local analysis.



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC | FIGURE 17-54 | Air Quality Control Regions EPA Region I



NEW JERSEY - NEW YORK - CONNECTICUT INTERSTATE
AIR QUALITY CONTROL REGION

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC | FIGURE 17-55 | Air Quality Control Regions EPA Region II

A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

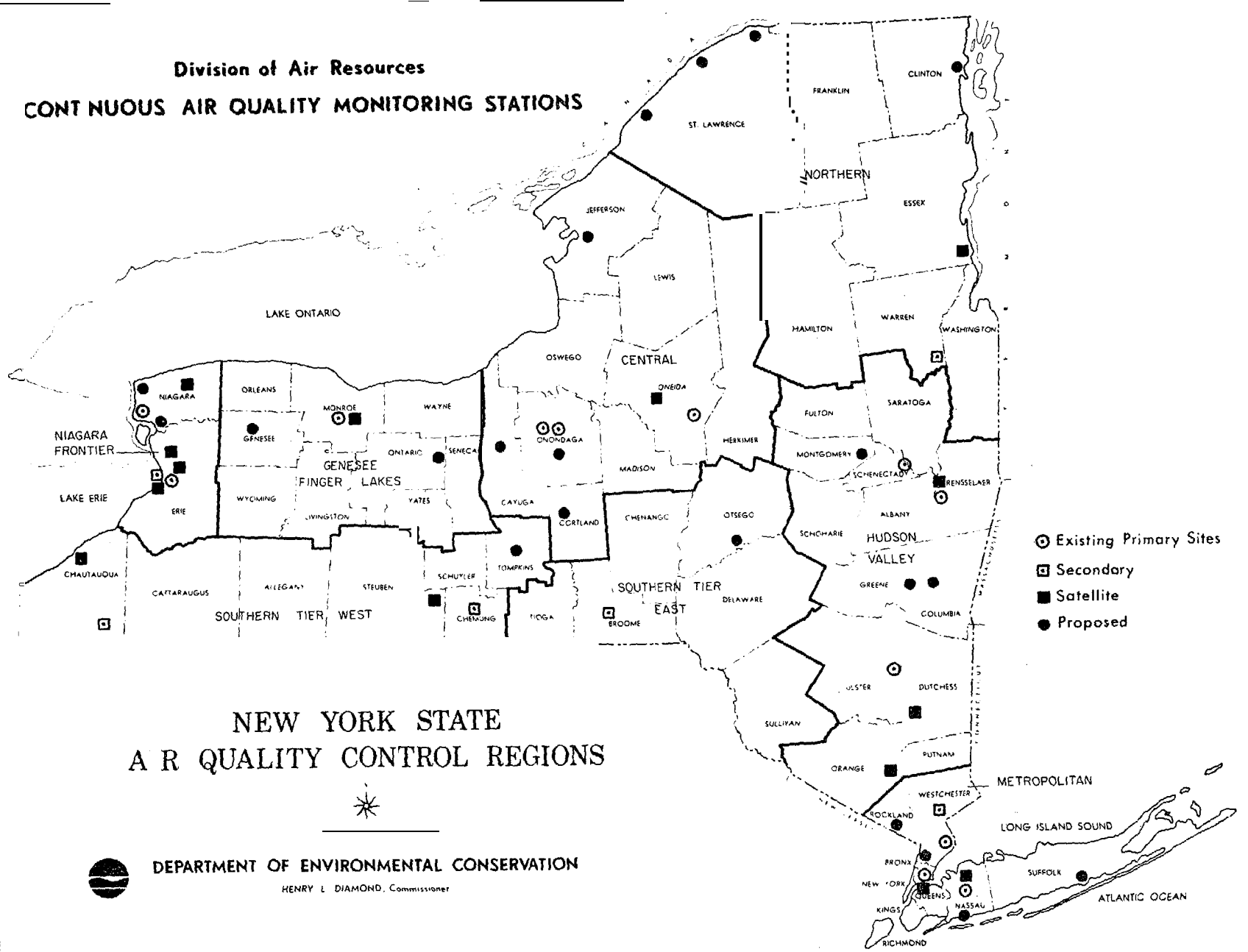
n ?KGOM PARC

FIGURE 17-55b New York State Air Quality Control Regions

17-295

Division of Air Resources

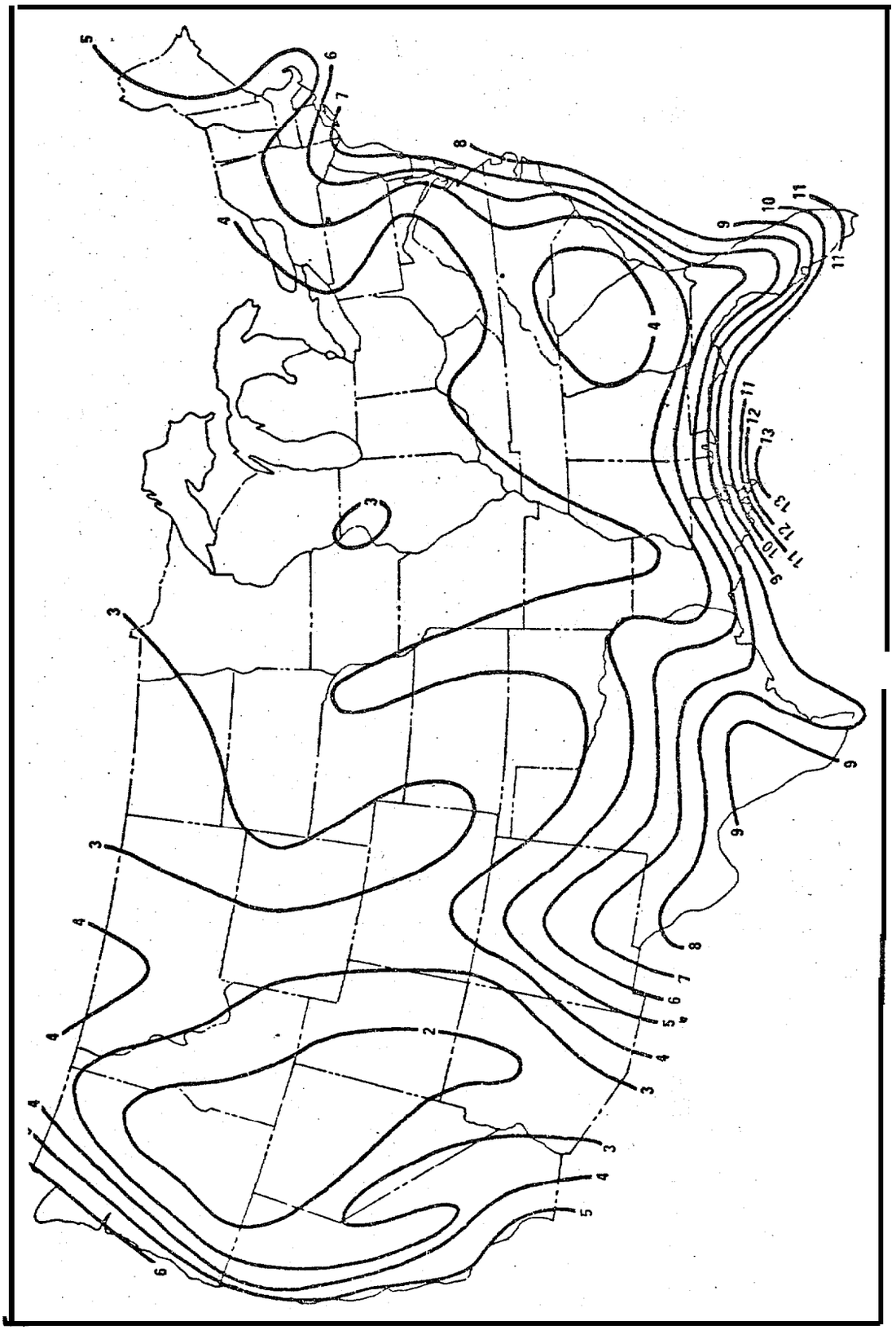
CONTINUOUS AIR QUALITY MONITORING STATIONS



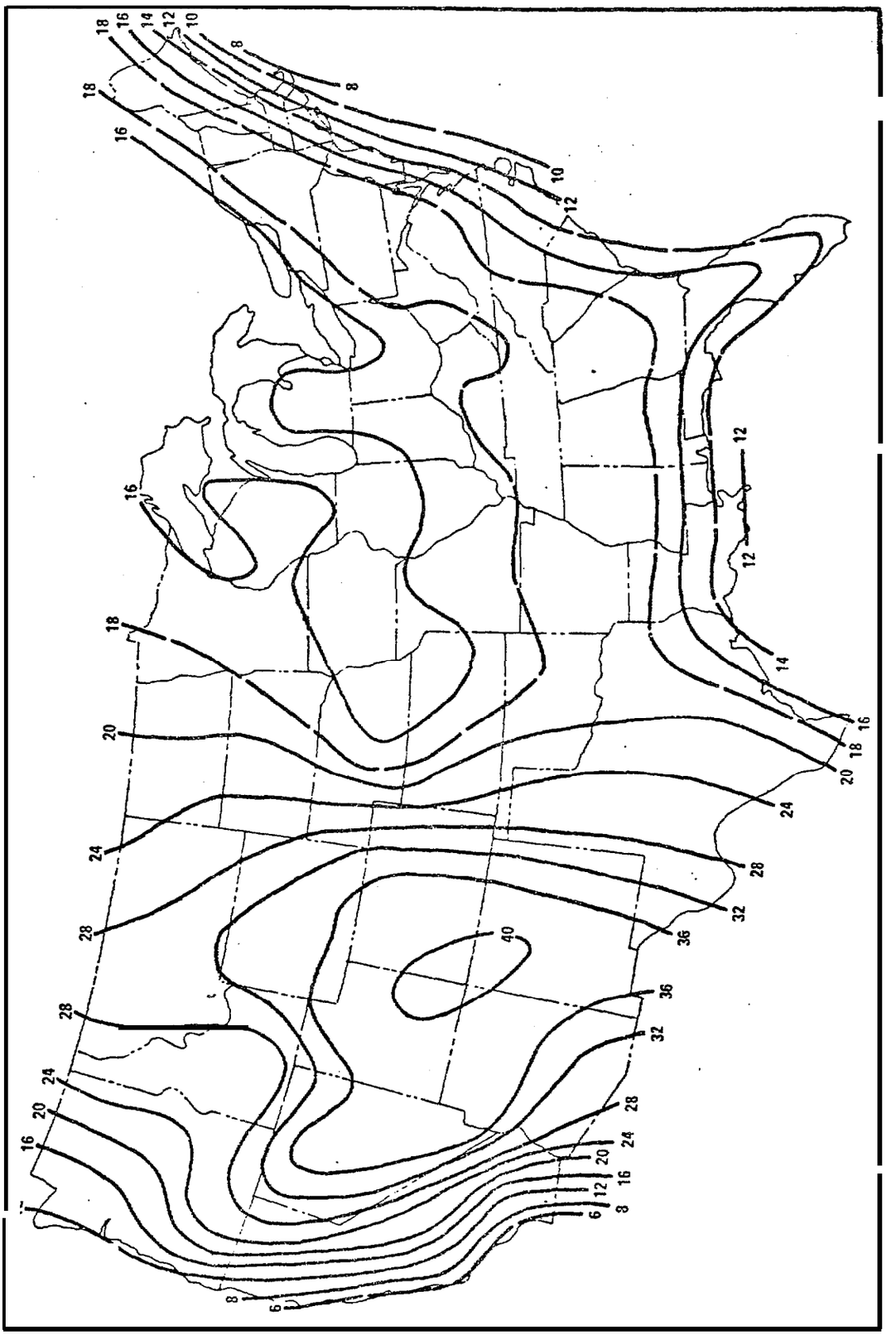
NEW YORK STATE
A R QUALITY CONTROL REGIONS

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

HENRY L DIAMOND, Commissioner



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION		
TRIGOM PARC	FIGURE 17-56	Isopleths of Mean Summer Morning Mixing Heights (Holzworth, 1972)

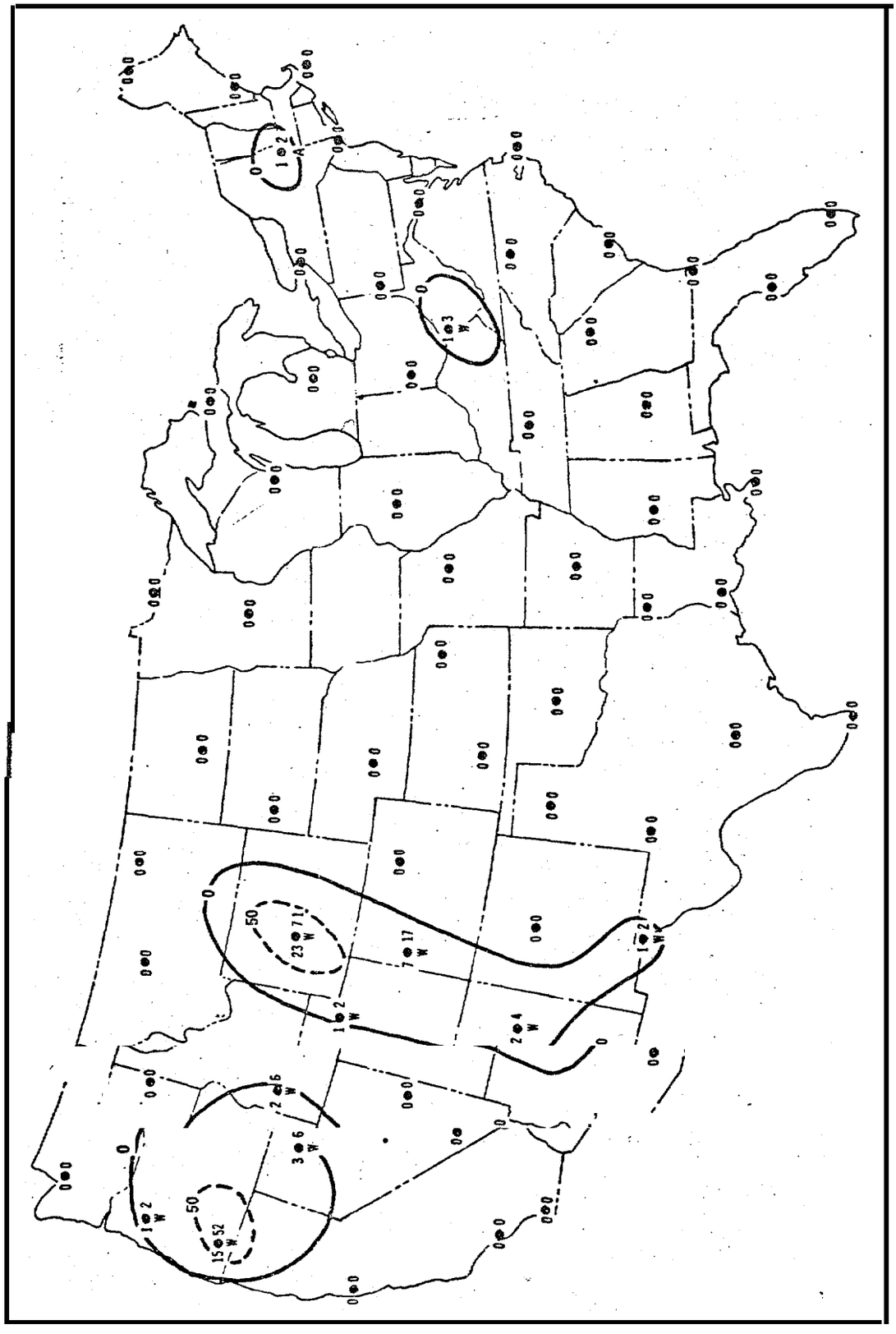


A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-57

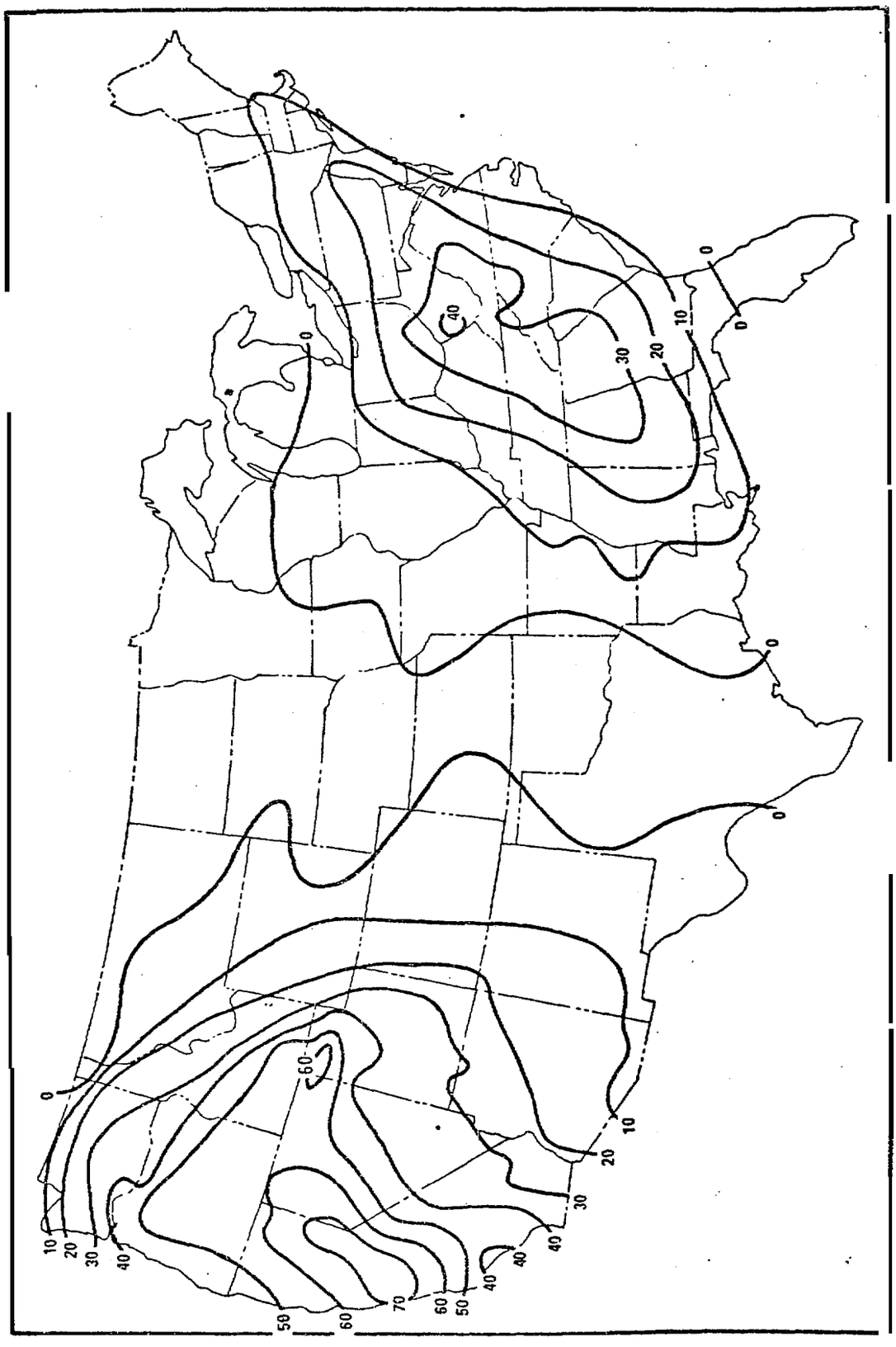
Isopleths of Mean Summer Afternoon Mixing Heights (Holzworth, 1972)



A SOCIO-ECONOMIC AND ENVIRONMENTAL INVENTORY OF THE NORTH ATLANTIC REGION

TRIGOM PARC

FIGURE 17-58 Isopleths Showing Episodes/Episode-Days (Holzworth, 1972)



A SOCIO-ECONOMIC AND Environmental inventory OF THE NORTH ATLANTIC REGION		
n ?IGOM PARC	FIGURE 17-59	Isopleths Showing Meteorological Potential for Air Pollution (Holzworth, 1972)

TABLE 17-35

NATIONAL

AMBIENT AIR QUALITY STANDARDS

Parameter	Standard [a] Primary	Standard [a] Secondary
Particulate		
Annual Geometric Mean	75 ug/m^3	60 ug/m^3
24-hour average"	260 ug/m^3	150 ug/m^3
Sulfur Dioxide (SO_2)		
Annual Arithmetic Mean	80 ug/m^3	60 ug/m^3 [b]
	.03 ppm	.02 ppm [b]
24-hour average	365 ug/m^3	260 ug/m^3 [b]
	.14 ppm	.1 ppm [b]
3-hour average	na	1300 ug/m^3 [b]
Nitrogen Dioxide (NO_2)		
Annual Arithmetic Mean	100 ug/m^3	100 ug/m^3
Carbon Monoxide (CO)		
8-hour average	10 mg/m^3	10 mg/m^3
	9 ppm	9 ppm
l-hour average	40 mg/m^3	40 mg/m^3
	35 ppm	35 ppm
Hydrocarbons		
3-hour average	160 ug/m^3	160 ug/m^3
6-9 A.M. average	.24 ppm	.24 ppm
Photochemical Oxidants		
l-hour average	160 ug/m^3	160 ug/m^3
	.08 ppm	.08 ppm

[a] Standards quoted are maximum values. Primary standards are "health" related, secondary are "welfare" related. The standards, except for annual averages, may be exceeded only once per year per monitoring site. Annual averages may never be exceeded.

[b] Secondary standards for SO_2 have been temporarily revoked due to the "energy crisis" (persona communication, EPA, April 1974).

SOURCE: The Federal Register; November 1971.

TABLE 17 -36 AMBIENT AIR QUALITY STANDARDS
MAINE

Air Contaminant	FEDERAL STANDINGS						MAINE STANDINGS					
	Short Term			Long Term			Short Term			Long Term		
	1 hour	3 hour	8, hour	24 hour	A A M	A G M	1 hour	3 hour	8 hour	24 hour	A A M	G M
Suspended Particulate												
Primary				260*		75				100		
Secondary				150*		60						
Sulfur Dioxide (S02) Primary				365*	80							
Secondary		1300*		260*	60			1100		230	57	
Carbon Monoxide (CO] Primary and Secondary	40′		10″				40″		10*			
Photochemical Oxidants as (0_3) Primary and **Secondary**	160″						160*					
Hydrocarbons (**Hc**) corrected for methane Primary and Secondary		160″						160*				
Nitrogen Dioxide (NO Primary and Secondary					100						100	

Note I All values are ug/M^3 except CO which is mg/M3

Maximum concentration not to be exceeded m ore than once a year

Source: Maine Department of Environmental Protection.

Note II A A M—Annual Arithmetic Mean
A G M—Anna! Geometric Mean

Note IV Gases are at 25 °C & 760 mm Hg

TABLE 17 '37 AMBIENT AIR QUALITY STANDARDS
NEW HAMPSHIRE

	Annual Arithmetic Mean	Annual Geometric Mean	24 Hour Max.	8 Hour Max.	3 Hour Max.	1 Hour Max.
SO_2	60 ug/m^3		260 ug/m^3			
Particulate Matter		60 ug/m^3	150 ug/m^3			
CO				9 ppm		35 ppm
No_x	0.05 ppm					
Photochemical Oxidants						0.08 ppm
Hydrocarbons					160 ug/m^3	

Source: New Hampshire Air Pollution Control Commission

TABLE .17-38 AMBIENT AIR QUALITY STANDARDS
MASSACHUSETTS

Contaminant	Duration of Indicated Concentration	FEDERAL					MASSACHUSETTS		
		Primary Standard Average Concentration		Secondary Standard Average Concentration		N.B.	Average Concentration		N.B.
		ugm/M3	ppm	ugm/M3	ppm		ugm/M3	ppm	
Sulfur Oxides (SO_2)	Year	80	0.03			Arithmetic Mean	73	0.025	Arithmetic Average of 4 consecutive seasonal Geometric Means
	Day	365	0.14			Maximum a	300	0.105	Maximum
	3 Hour	None	None	1,300	0.5	Maximum a	None	None	---
	Hour	None	None	None	None	---	800	0.280	Maximum
Total Suspended Particulate (TSP)	Year	75	-	60?3	-	Geometric Mean	75		Arithmetic Average of 4 consecutive seasonal Geometric Means
	Day	260	-	150	-	Maximum a	180	-	Maximum
Carbon Monoxide (CO)	8 Hours	10 (milligrams)	9	Same	Same	Maximum a	9.2 (milligrams)	8	Maximum Average during any 8-hour period
	1 Hour	40 (milligrams)	35	Same	Same	Maximum a	None	None	
Photochemical Oxidants	1 Hour	160	0. 08	Same	Same	Maximum a	120	0.06	Maximum Average during any l-hour period
Hydrocarbons (Non-Methane)	3 Hours	160	0.24	Same	Same	Maximum a Between 6 and 9 A.M.	120	0.18	Maximum Average during any 3-hour period
Nitrogen Oxides (NO_2)	Year	100	0?05	Same	Same	Arithmetic Mean	None	None	---

a) Federal standards other than annual average may be exceeded once per year; Massachusetts standards are never to be exceeded.

b) A guide to be used in assessing implementation plans to achieve the 24-hour standard.

SOURCE : Massachusetts Department of Public Health

TABLE 17-39' AMBIENT AIR QUALITY STANDARDS
RHODE ISLAND

Pollutant	National Primary Standard	National Secondary Standard	State of R. I. 1973 Goal	State of R. I. 1975 Goal
Sulfur Dioxide	80 ug/M^3 (annual arithmetic mean)	60 ug/M^3 (annual arithmetic mean)	'72 ug/M^3 * (annual geometric mean)	57 ug/M^3* (annual geometric mean)
		1300 ug/M^3 (3-hr maximum)	858 ug/M^3* (1-hr maximum)	687 ug/M^3* (1-hr maximum)
	365 ug/M^3 (24-hr maximum)	260 ug/M^3 (24-hr maximum)	358 ug/M^3* (24-hr maximum)	286 ug/M^3* (24-hr maximum)
Particulates	75 ug/M^3 (annual geometric mean)	60 ug/M^3 (annual geometric mean)	60 ug/M^3* (annual geometric mean)	50 ug/M^3* (annual geometric mean)
	260 ug/M^3 (24-hr maximum)	150 ug/M^3 (24-hr maximum)	168 ug/M^3* (24-hr maximum)	130 ug/M^3* (24-hr maximum)
Carbon Monoxide	10 mg/M^3 (8-hr max. average)	10 mg/M^3 (8-hr max. average)	9.2 mg/M^3* (8-hr max. average)	None
	40 mg/M^3 (1-hr max. average)	40 mg/M^3 (1-hr max. average)		
Total Oxidants	160 ug/M^3 (1-hr max. average)	160 ug/M^3 (1-hr max. average)	118 ug/M^3* (1-hr max . average)	None
Hydrocarbons	160 ug/M^3 (3-hr max. average)	160 ug/M^3 (3-hr max. average)	118 ug/M^3* (3-hr max. average)	None
Nitrogen Dioxide	100 ug/M^3 (annual arithmetic mean)	100 ug/M^3 (annual arithmetic mean)	None	None

* Standard conditions for measurements are established at 25°C, 1 atm pressure.
SOURCE: Rhode Island Department of Health..

TABLE 17-40 AMBIENT AIR QUALITY DATA, CY 1972

MAINE

SOURCE: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY,
SAROAD PRINTOUT, EPA REGION I.

Monitoring Station (County/Town) [a]	SO_2 (µg/m³) Annual Mean [b]	Highest Daily	Highest Monthly	NO_2 (µg/m³) Annual Mean [b]	Highest Daily	Highest Monthly	Particulates (µg/m³) Annual Mean [c]	Highest Daily	Highest Monthly
Hancock									
Acadia Ntl. Prk. -r	6	12	11	35	109	88	25	68	37
Kennebec									
Augusta [e] -cc	71	545	232	nd	nd	nd	nd	nd	nd
York									
Bi ddeford - cc	22	47	31	nd	nd	nd	47	51	51
Cumberland									
Portland -cc	71	459	150	71	520	196	59	156	104
Portland - cc	43	186	105	nd	nd	nd	nd	nd	nd
Portland -sc	8	33	19	nd	nd	nd	37	66	44
Portland - cc	27	72	48	nd	nd	nd	nd	nd	nd
So.Portland -sr	5	21	12	nd	nd	nd	41	73	51
So.Portland -si	33	77	51	nd	nd	nd	41	80	45

[a] cc = center city-commercial sc = subur an-commercial sr = su urban-residential
r = remote si = suburban-industrial

[b] Arithmetic mean [c] Geometric mean [d] No data

[e] High values attributabl e to a paper mi 11 nearby which has since closed down. (Personal Communication ,EPA)

TABLE 17-41 AMBIENT AIR QUALITY DATA, CY 972

NEW HAMPSHIRE

SOURCE: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY,
SAROAD PRINTOUT, EPA REGION I.

Monitoring Station (County/Town) [a]		SO_2 (μg/m³) Annual Mean [b]	SO_2 (μg/m³) Highest Daily	SO_2 (μg/m³) Highest Monthly	NO_2 (μg/m³) Annual Mean [b]	NO_2 (μg/m³) Highest Daily	NO_2 (μg/m³) Highest Monthly	Particulates (μg/m³) Annual Mean [c]	Particulates (μg/m³) Highest Daily	Particulates (μg/m³) Highest Monthly
Strafford										
Dover	-ci	nd	nd	nd	nd	nd	nd	41	102	56
Rochester	-cc	nd	nd	nd	nd	nd	nd	47	143	73
Rockingham										
Portsmouth	-sc	56	233	115	3	3	3	42	111	56

[a] cc = center city-commercial ci = center city-industrial sc = suburban commercial
[b] Arithmetic mean [c] Geometric mean [d] No data

TABLE 17'42 AMBIENT AIR QUALITY DATA, CY 1972

MASSACHUSETTS

SOURCE: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.
SAROAD PRINTOUT, EPA REGION I.

Monitoring Station (county/Town) [a]		SO_2 (ug/m3) Annual Mean [b]	Highest Daily	Highest Monthly	NO_2 (ug/m3) Annual Mean [b]	Highest Daily	Highest Monthly	Particulates (ug/m3) Annual Mean c	Highest Daily	Highest Monthly
Bristol										
Attleboro	-cr	20	183	77	49	154	89	43	184	60
Middlesex										
Ayer	-sr	7	29	9	47	81	51	37	167	42
Billerica	-cr	4	13	6	26	88	43	27	112	36
Suffolk										
Boston	-cc	13	80	80	132	353	229	80	226	145
Boston	-ru	17	94		111'	517	181	70	217	217
Boston	- ci	122	297	1:;	156	406	244	108	352	181
Boston	-si	31	176	95	129	286	165	81	199	151
E. Boston	-ci	34	136	78	124	596	252	62	159	
Boston	- ci	51	152	68	128	282	148	103	250	1::
Norfolk										
Brookline	-cr	21	128	69	82	250	125	47	88	66
Middlesex										
Cambridge	-sr	15	42	35	18	230	182	58	89	80
Cambridge	-sr	20	107	69	91	239	144	44	107	62

TABLE 17-42 (cont.)

Monitoring Station (County/Town)[a]	SO_2 (ug/m3) Annual Mean[b]	Highest Daily	Highest Monthly	NO_2 (ug/m3) Annual Mean[b]	Highest Daily	Highest Monthly	Particulate (ug/m3) Annual Mean c	Highest Daily	Highest Monthly
Middlesex									
Cambridge - ci	54	149		111	265	143	91	292	1 0 5
Cambridge - ci	102	315	1!;	nd	nd	nd	nd	nd	nd
Bristol									
Fall River - ci	14	71	37	57	'137	79	41	109	71
Barnstable									
Falmouth - cr	10	2 9	19	34	128"	71	42	99	53
Middlesex									
Framingham -sr	16	73	52	66	263	111	48	129	58
Essex									
Haverhill - cc	12	65	46	46	229	62	41	109	58
Lawrence - ci	28	293	101	71	263	103	65	164	83
Middlesex									
Lowel 1 -ci	13	414	125	43	124	72	50	345	75
Lowel 1 -ci	4	13	6	26	71	39	42	92	62
E s s e x									
Lynn - ci	25	71	48	47	280	158	48	93	68
Marblehead -cr	16	68	36	53	194	133	39	87	79
Middlesex									
Maynard -ra	8	26	21	42	169		23	67	33
Medford -ci	21	79	56	96	197	1::	60	148	100
Medford -si	45	152	69	146	320	182	89	202	144

TABLE 17-42 (cont.)

Monitoring Station (County/Town) [a]	SO_2 (ug/m3) Annual Mean [b]	Highest Daily	Highest Monthly	NO_2 (ug/m3) Annual Mean [b]	Highest Daily	Highest Monthly	Particulate (ug/m3) Annual Mean [c]	Highest Daily	Highest Monthly
Norfolk									
Needham - cr	9	97	25	62	145	100	37	71	50
Bristol									
New Bedford -	7	17	17	80	159	159	40	72	54
New Bedford -ci	16	65	45	50	113	70	34	96	49
Essex									
Newburyport -cr	30	199	111	42	137	83	31	74	38
Norfolk									
Norwood - cr	17	76	41	79	252	131	43	110	54
Plymouth									
Plymouth - cc	13	52	22	39	118	62	37	99	50
Norfolk									
Quincy -cr	39	196	102	105	288	211	52	150	83
Suffolk									
Revere - cr	38	191	104	113	271	201	56	157	82
Middlesex									
Waltham - ra	11	168	67	67	370	118	42	141	58
Woburn -ci	11	84	32	89	224	138	41	106	56

[a] cc = center city-commercial; cr = center city-residential; r = remote; sc = suburban-commercial; sr = suburban-residential; ci = center city-industrial; si = suburban-industrial; ra = rural agricultural; ru = rural - near urban

[b] Arithmetic mean

[c] Geometric mean

[d] No data

TABLE 17-43 AMBIENT AIR QUALITY DATA, CY 1972

RHODE ISLAND

SOURCE: UNITED STATES ENVIRONMENTAL PROTECTIONAGENCY,
SAROAD PRINTOUT, EPA REGION 1.

Monitoring Station (County/Town) [a]	SO_2 (µg/m³)			NO_2 (µg/m³)			Particulate (µg/m³)		
	Annual Mean [b]	Highest Daily	Highest Monthly	Annual Mean [b]	Highest Daily	Highest Monthly	Annual Mean [c]	Highest Daily	Highest Monthly
Bristol,									
Bristol -sr	24	87	48 "	53	222	73	36	101	52
Warwick -Sc	33	346	96	94	333	305	46	156	89
Kent									
Kent -sr	nd	nd	nd	nd	nd	nd	20	120	32
Providence									
Burrillville -sr	nd	nd	nd	n d	nd	nd	32	142	72
Cranston -sr	29	95	37	89	391	301	44	132	73
E. Providence -cc	nd		nd	nd	nd		56	157 "	131
E. Providence -sr	48	1;:	53	74	181	1:!	36	83	53
E. Providence -si	38	151	59	65	157	85	nd	nd	nd
Pawtucket -cc	34	168	50	99	235	217	47	1 9 5	81
Providence -cc	22	130	99	98	310	180	69	129	107
Providence -ci	44	220		125	278	211	57	322	98
Providence -ci	63	290	1;!	115	279	193	68	159	115
Providence -ci	64	238	115	123	357	288	77	357	194
Smithfield -si	nd		nd	nd	nd		25	56	38
Woonsocket -Sc	27	1;;	62	57	221	1;;	47	150	72

TABLE 17-43 (cont.)

Monitoring Station (County/Town) [a]	SO_2 (ug/m3) Annual Mean [b]	Highest Daily	Highest Monthly	NO_2 (ug/m3) Annual Mean [b]	Highest Daily	Highest Monthly	Particulate (ug/m3) Annual Mean [c]	Highest Daily	Highest Monthly
Washington									
Charleston -sr	25	84	70	62	203	129	22	88	34
No. Kingston -si	21	69	42	68	292	160	32	118	58
Washington - r	4	8	8	43	292	156	30	103	67
Washington -sr	24	78	68	52	105	59	30	50	39
Westerly -sc	23	98	40	100	275	230	43	142	76
Westerly -sr	28	89	56	62	199	136	24	76	34
Newport									
Middletown -sr	nd		nd	nd	nd	nd	32	74	40
Middletown "SC	33	1::	52	72	258	199	nd	nd	nd
Tiverton -sr	nd	nd	nd	nd	nd	nd	36	114	61

[a] cc = center city-commercial; cr = center city-residential; sr = suburban-residential; ci = center city-industrial; sc = suburban-commercial; si = suburban-industrial; r = remote; ra = rural agricultural; ru = rural - near urban

[b] Arithmetic mean

[c] Geometric mean

[d] No data

TABLE 17-44 AMBIENT AIR QUALITY DATA, CY 972

CONNECTICUT

SOURCE: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY,
SAROAD PRINTOUT, EPA REGION I.

(County/Town) [a]		SO2 (ug/m3) Annual Mean [b]	SO2 (ug/m3) Highest Daily	SO2 (ug/m3) Highest Monthly	NO2 (ug/m3) Annual Mean [b]	NO2 (ug/m3) Highest Daily	NO2 (ug/m3) Highest Monthly	Particulates (ug/m3) Annual	Particulates (ug/m3) Highest	Particulates (ug/m3) Highest M
New London										
Groton	-rc	nd	nd	nd	[c]	[c]	nd	46	166	77
Norwich	-cc	nd	nd	nd	[c]	[c]	nd	62	142	87
Middlesex										
None										
New Haven										
Ansonia	-cc	nd	nd	nd	nd	nd	nd	83	170	108
New Haven	-cc	26	75	51	159	291	239	60	131	94
Fairfield										
Bridgeport	-	28	90	75	171	316	242	51	117	77
Bridgeport	-cc	nd	nd	nd	nd	nd	nd	57	117	74
Danbury	-cc	nd	nd	nd	nd	nd	nd	74	172	115
Stamford	-cc	nd	nd	nd	nd	nd	nd	163	363	287
Stratford	-sr	nd	nd	nd	70	141	87	nd	nd	nd

[a] cc = center city commercial; cr = center city residential; sr = suburban residential; ci = center city industrial; sc = suburban commercial; si = suburban industrial; r = remote; ra = rural agricultural; ru = rural - near urban

[b] Arithmetic mean

[c] Geometric mean

[d] No data

TABLE 17-45 AMBIENT AIR QUALITY DATA, CY 1970

Monitoring Station (County/Town)		SO_2 (PPM) Annual Mean [b]	SO_2 (PPM) Highest Daily	SO_2 (PPM) Highest Monthly	NO_2 (PPM) Annual Mean [b]	NO_2 (PPM) Highest Daily	NO_2 (PPM) Highest Monthly	Particulate (µg/m³) Annual Mean [c]	Particulate (µg/m³) Highest Daily	Particulate (µg/m³) Highest Monthly
Bronx	1	0.18	0.077					86	234	
Bronx	3	0.26	0.092					101	265	
Bronx	4	0.14	0.058					80	244	
Bronx	6	0.24	0.101					116	356	
Bronx	9	0.16′	0.060					72	244	
Bronx	38	0.24	0.072					96	244	
Kings	11	0.31	0.090					105	220	
Kings	17	0.17	0.066					102	242	
Kings	18	0.20	0.091					110	214	
Kings	19	0.17	0.076					102	224	
Kings	21	0.13	0.058					98	226	
Kings	24	0.17	0.078					86	220	
Kings	25	0.20	0.073					88	192	
Kings	26	0.17	0.077					84	164	
Kings	27	0.18	0.059					82	239	
New York	00	0.28	0.091					130	250	
New York	2	0.22	0.096					115	326	
New York	5	0.21	0.100					112	275	
New York	10	0.24	0.098					108	221	
New York	37	0.19	0.078					96	212	

TABLE 17-45 cont.)

Monitoring Station (County/Town)		SO_2 (PPM) Annual Mean b	Highest Daily	Highest Monthl	NO_2 (PPM) Annual Mean b	Highest Daily	Highest M	Particulates (ug/m^3) Annual M	Highest	Highest Monthly
New York	7093-02							93	215	
New York	7093-03	0.08	0.22					94	191	
Richmond	31	0.077	0.20					92	228	
Richmond	32	0.080	0.15					101	228	
Richmond	33	0.074	0.16					110	280	
Richmond	34	0.070	0.16					-	-	
Richmond	35	0.070	0.18					86	256	
Richmond	36	0.071	0.19					72	202	
Queens	7	0.097	0.23					122	581	
Queens	8	0.078	0.21					81	253	
Queens	12	0.082	0.19					109	275	
Queens	13	0.094	0.24					102	315	
Queens	14	0.079	0.19					86	203	
Queens	15	0.073	0.17					64	183	
Queens	16	0.056	0.15					78	216	
Queens	20	0.084	0.17					92	216	
Queens	22							92	218	
Queens	23	0.068	0.14					80	198	
Queens	28	0.057	0.19					88	231	
Queens	29	0.056	0.10					82	277	
Queens	30	0.066	0.13					74	167	
Nassau	2901-01							111	276	
Nassau	2904-03									
Nassau	2905-01							60	169	
Nassau	2909-01							121	269	
Nassau	2944-01							75	214	
								95	202	

TABLE 17-45 (cont.)

Monitoring Station (County/Town)		SO_2 (PPM) Annual Mean [b]	Highest Daily	Highest Monthly	NO_2 (PPM) Annual Mean [b]	Highest Daily	Highest Monthly	Particulate (ug/m3) Annual Mean [c]	Highest Daily	Highest Monthly
Nassau	2950-01							121	692	
Nassau	2950-03									
Nassau	2950-09							95	229	
Nassau	2950-11							79	239	
Nassau	2951-01							78	248	
Nassau	2952-01							64	152	
Nassau	2952-05							81	183	
Nassau	2952-08									
								52	127	
Rockland	4329-06							50	140	
Rockland	4350-01									
								62	385	
Suffolk	5150"01							62	160	
Suffolk	5151-01							105	452	
Suffolk	5151-03							50	142	
Suffolk	5154-02							52	185	
Suffolk	5157-04							36	157	
Suffolk	5158-01									
								67	172	
Westchester	5901-01							89	235	
Westchester	5902-01							72	221	
Westchester	5903-01							81	221	
Westchester	5904-02							59	134	
Westchester	5905-01							72	201	
Westchester	5906-02							88	219	
Westchester	5907-08							74	189	
Westchester	5908-01							70	170	
Westchester	5909-01									

TABLE 17-45 (cont.

Monitoring Station (County/Town)		SO_2 (ppm) Annual Mean [b]	SO_2 (ppm) Highest 24-Hr Daily	SO_2 (ppm) Highest Monthly	NO_2 (ppm) Annual Mean [b]	NO_2 (ppm) Highest Daily	NO_2 (ppm) Highest Monthly	Particulates (ug/m^3) Annual Mean [c]	Particulates (ug/m^3) Highest Daily	Particulates (ug/m^3) Highest Monthly
Westchester	5932-01							56	188	
Westchester	5957-02							50	156	
Westchester	5966-01									
Westchester	5966-02							45	154	
Westchester	5968-02							39	82	
Westchester	5956-01	0.03	0.17							
New York Metro.										
Eisenhower Park					.035		.04			
Welfare Island					.064		.09			

b Arithmetic mean
c Geometric mean

Source: New York Department of Environmental Protection

TABLE 17-46 AMBIENT AIR QUALITY DATA, CY 1972
NEW JERSEY

SOURCE : New Jersey Department of Environmental Protection

Monitoring Station (County/Town)	SO_2 (PPM) Annual Mean b	Highest Daily	Highest Month ly	NO_2 (PPM) Annual Mean b	Highest Daily	Highest Month ly	Particulates (ug/m^3) Annual Mean c	Highest Daily	Highest Monthly
Bayonne Lab	0.020	0.082		0.045			**66.4**		
Camden Lab	0.032	0.106		0.045			ND		
Elizabeth Lab[a]	0.026	0.1.00		0.063			ND		
Newark Lab	0.022	0.084		0.057			133.8		
Ancora	0.005	0.038					30.6		
Asbury Park	0.005	0.047					68.3		
Atlantic City	0.006	**0.034**					56.9		
Burlington	0.012	0.088					41.3		
Camden	0.021	**0.085**					ND		
Elizabeth	0.013	0.068					ND		
Freehold	0.007	**0.057**					ND		
Hackensack	0.015	0.055					146.2		
Jersey City	0.019	0.086					83.4		
Morristown[d]	N.A.	0.051					47.2		
Paterson	0.008	0.032					55.6		
Paulsboro	0.019	0.226					ND		
Penns Grove	0.015	0.076					ND		
Perth Amboy	0.017	0.109					56.0		
Phillipsburg	0.017	0.063					53.3		
Somerville	0.008	0.038					47.3		
Toms River	0.005	0.022					44.6		
Trenton	0.012	0.073					68.0		

TABLE 17-46 AMBIENT AIR QUALITY DATA, CY 1972
NEW JERSEY

Monitoring Station (County/Town) [a]	SO_2 (ug/m3) Annual Mean [b]	SO_2 (ug/m3) Highest Daily	SO_2 (ug/m3) Highest Monthly	NO_2 (ug/m3) Annual Mean [b]	NO_2 (ug/m3) Highest Daily	NO_2 (ug/m3) Highest Monthly	Particulates (ug/m3) Annual Mean [c]	Particulates (ug/m3) Highest Daily	Particulates (ug/m3) Highest Monthly
Bloomfield							-		
Bound Brook							53.9		
Carteret							63.2		
Roselle							66.3		
							37.2		
Sayreville							68.3		
Dover							-		
East Orange							113.9		
Edison							-		
Fairview							81.1		
Fort Lee							72.3		
Grovers Mills							44.4		
							47.5		
Springfield							39.6		
Millstone							45.1		
Fair Lawn							51.6		
Cheesequake							56.4		
Secaucus									
							53.9		
Metuchen							40.7		
South Brunswick							37.3		
Chesterfield							56.6		
Hamilton							44.7		
Red Bank							38.6		
Island Beach							27.1		
Jackson									

TABLE 17-46 AMBIENT AIR QUALITY DÁTA, CY 1972
NEW JERSEY

Monitoring Station (County/Town) [a]	SO_2 (ug/m3) Annual Mean [b]	SO_2 (ug/m3) Highest Daily	SO_2 (ug/m3) Highest Monthly	NO_2 (ug/m3) Annual Mean [b]	NO_2 (ug/m3) Highest Daily	NO_2 (ug/m3) Highest Monthly	Particulates (ug/m3) Annual Mean [c]	Particulates (ug/m3) Highest Daily	Particulates (ug/m3) Highest Monthly
South Amboy							58.0		
Woodbridge							65.8		
Linden							70.3		
Livingston							33.9		
Red Bank							44.6		
Roosevelt							35.2		
Hoboken							113.1		
Irvington							48.1		
Orange							57.3		
Passaic							55.6		
Union City							80.1		
Westwood							41.9		
Railway							66.0		

a Data for 9 months only (April - December, 1972)
b Arithmetic mena
c Geometric mean
d 1972 Data for 3 months (January - March)

TABLE 17-47 AMBIENT AIR QUALITY DATA CY 1973
NEW HAMPSHIRE

Monitoring Station (County/Town) [a]	SO_2 (ug/m3) Annual Mean [b]	SO_2 (ug/m3) Highest Daily	SO_2 (ug/m3) Highest Monthly	NO_2 (ug/m3) Annual Mean [b]	NO_2 (ug/m3) Highest Daily	NO_2 (ug/m3) Highest Monthly	Particulates (ug/m3) Annual Mean [c]	Particulates (ug/m3) Highest Daily	Particulates (ug/m3) Highest Monthly
Rockingham									
Portsmouth-SC	17	47	ND	57	ND	ND	45	99	ND
Portsmouth-CC	ND	ND	N D	ND	ND	ND	47	116	ND
Strafford									
Dover-CI	ND	ND	ND	ND	ND	ND	52	118	ND

a SC=Suburban commercial; CC=Center city commercial; CI=Center city industrial
b Arithmetic mean
c Geometric mean
d Due to problems in sampling, caution is advised in the use of this data.
ND No data

SOURCE : New Hampshire Air Pollution Control Commission

TABLE 17-49 AMBIENT AIR QUALITY DATA CY 1973
CONNECTICUT

Monitoring Station (County/Town)	SO_2 (ug/m^3) Annual Mean [a]	Highest Daily	Highest Monthly	NO (ug/m^3) Annual Mean [a]	Highest Daily	Highest Monthly	Particulate (ug/m^3) Annual Mean [b]	Highest Daily	Highest Monthly
Fairfield									
Bridgeport	42	NA	NA	62.6	NA	NA	62,8	NA	NA
Fairfield	NA	NA	NA	NA	NA	NA	45.1	NA	NA
Greenwich	.56	NA	NA	98.6	NA	NA	50.9	NA	NA
Norwalk	50	NA	NA	106,7	NA	NA	58.2	NA	NA
Stamford	67	NA	NA	79.9	NA	NA	101.2	NA	NA
Stratford	NA	NA	NA	NA	NA	NA	58.2	NA	NA
New Haven									
New Haven	52	NA	NA	61.9	NA	NA	72.3	NA	NA
Milford	NA	NA	NA	45.7	NA	NA	53.4	NA	NA
Ansonia	NA	NA	NA	NA	NA	NA	66.3	NA	NA
New London									
Groton	NA	NA	NA	43.8	NA	NA	38.9	NA	NA
Voluntown	NA	NA	NA	23.0	NA	NA	NA	NA	NA

a Arithmetic mean
b Geometric mean

SOURCE: Connecticut Department of Environmental Protection

TABLE 17-48 AMBIENT AIR QUALITY DATA 1972-73[a]
MASSACHUSETTS

Monitoring Station (County/Town)	SO_2 (PPM) Annual Mean[b]	SO_2 (PPM) Highest Daily	SO_2 (PPM) Highest Monthly	NO (PPM) Annual Mean[b]	NO (PPM) Highest Daily	NO (PPM) Highest Monthly	Particulate (ug/m^3) Annual Mean[c]	Particulate (ug/m^3) Highest Daily	Particulate (ug/m^3) Highest Monthly
Norwood	.008	.029	NA	.035	NA	NA	47	235	NA
Plymouth	.005	.019	NA	.021	NA	NA	40	118	NA
Quincy Health Ctr.	.017	.075	NA	.047	NA	NA	NA	NA	NA
Quincy J.F.K.	NA	NA	NA	NA	NA	NA	50	107	NA
Quincy Fore River	.014	.052	NA	NA	NA	NA	80	209	NA
Revere	.010	.050	NA	.042	NA	NA	NA	NA	NA
Waltham U. of Mass.	.004	.018	NA	.025	NA	NA	45	113	NA
Waltham Moody & Main Sts.	.012	.040	NA	NA	NA	NA	100	197	NA
Woburn	.004	.010	NA	.043	NA	NA	39	77	NA

a October 1972 - September 1973
b Arithmetic mean
c Geometric mean

SOURCE : Massachusetts Department of Public Health

Table 17-50a (cont.)

INTERNAL COMBUSTION (POINT)					
ELECTRIC GENE					
DIESEL	0	13	186	[illegible]	[illegible]
TOTAL (ELEC GEN)					
TOTAL (INTERNAL COMB)	6	[illegible]			
AREA SOURCES	224	498	199		
POINT SOURCES	1500	7289	2043	230	350
INDUSTRIAL PROCESS (POINT)					
**********					
MINERAL PRODUCTS					
WOOD PRODUCTS	569	1082	0	0	13046
EVAPORATION	0	0	0		
TOTAL (INDUSTRIAL)	[illegible]				
[illegible]					
**********					
GOVERNMENT (					
OPEN BURNING	[illegible]				
OTHER	32	3	8	32	95
TOTAL (GOVERNMENT)	59	5	18	84	242
RESIDENTIAL (AREA)					
ON SITE					
OPEN BURNING	18	1	7	37	93
TOTAL (RESIDENTIAL)	61				
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERAT					
AREA SOURCES					
OPEN BURNING					
AREA SOURCES	6	0	2	12	30
[illegible]					
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES					
OPEN BURNING					
AREA					
POINT SOURCES	112	7	42	211	507
TOTAL (INDUSTRIAL)					
AREA SOURCES	12	1	3	16	37
POINT SOURCES	112				
TOTAL (SOLID WASTE					
AREA SOURCES					
POINT SOURCES	172	12	60	294	837

Table 17-50a (cont.)

TRANSPORTATION (AREA)					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	66	40	945	1805	8507
HEAVY VEHICLES	4	2	136	235	893
OFF HIGHWAY	1	0	16	49	268
TOTAL (GASOLINE)	71	42	1097	2089	9668
HEAVY VEHICLES	8	15	214	21	126
OFF HIGHWAY	2	4	54	5	33
RAIL	3	9	10	7	10
TOTAL (DIESEL)	13	28	279	34	169
CIVIL	1	0	1	4	23
TOTAL (AIRCRAFT)	1	0	1	4	23
GASOLINE	3	2	57	178	977
TOTAL (VESSELS)	3	2	51	178	977
GAS HANDLING EVAP LOSS	0	0	"C	191	o
TOTAL (TRANSPORTATION)	87	72	1433	2496	10836
MISCELLANEOUS (AREA)					
SOLVENT EVAPORATION LOSS	0	0	0	45	0
TOTAL (MISCELLANEOUS)	0	0	o	45	0
GRAND-TOTAL					
AREA SOURCES	394	574	1646	2793	11497
POINT SOURCES	2822	8383	2103	667	14235
TOTAL	321.4	8957	3749	3460	25732

Table 17-50b

NATIONAL EMISSIONS DATASYSTEM

ENVIRONMENTAL PROTECTION AGENCY

C O U N T Y EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

HANCOCK COUNTY, MAINE

EMISSIONS,AS OF: MARCH 14,1974

	PARTICULATES TONS/YR	SO X TONS/YR	NOx TONS/YR	HC TONS/YR	CO TONS/YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	2	5	1	1	19
DISTILLATE OIL	87	0	104	26	43
NAI_Ly'.24 AAs	1	0	1	0	1
WOOD	50	1	20	4	4
TOTAL (RESIDENTIAL)	139	6	126	31	67
INDUSTRIAL FUEL					
RESIDUAL OIL					
POINT SOURCES	45	3105	565	2s	38
NATURAL GAS					
AREA SOURCES	0	0	1	Q	o
WOOD					
POINT SOURCES	20	1	7	1	1
TOTAL (INDUSTRIAL)					
AREA SOURCES	0	0	1	0	0
POINT SOURCES	65	3106	572	30	39
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	1	1	0	o	o
RESIDUAL OIL					
AREA SOURCES	19	273	50	3	"o
NATURAL GAS					
AREA SOURCES	o	0	1	0	0
TOTAL (COMM-INST)					
AREA SOURCES	20	276	51	3	1
TOTAL (EXTERNAL COMB)					
AREA SOURCES	1611	283	178	34	68
POINT SOURCES	65	3106	572	3(I	39
TOTAL (FUEL COMBUSTION)					

Table 17-50b (cont.)

CES					
POINT SOURCES	69	3106	312	30	39
**********					
TOTAL INDUSTRIAL	0	0	0	[illegible]	0
SOLID WASTE DISPOSAL					
**********					
GOVERNMENT AGENCY					
STATE GOVERNMENTS	69	6	7	41	[illegible]
RESIDENTIAL (AREA)					
ON SITE INCINERATION	38	1	2	173	317
OPEN BURNING	24	1	0	51	127
[illegible]	94	2	48	224	190
COMMERCIAL INSTITUTIONAL					
ON SITE INCINERATION					
[illegible]					
TOTAL [illegible]					
INDUS					
ON SITE INCINERATION					
AREA SOURCES	0	1	1	0	12
OPEN BURNING					
AREA SOURCES	0	0	2	12	30
POINT SOURCES	130	0	48	241	683
	13	1	3	18	43
	129	8	48	241	683
OTHER - [illegible] - AVIATION					
AREA SOURCES	111	5	17	200	669
POINT SOURCES	154	0	58	288	814
TRANSPORTATION (AREA)					
**********					
[illegible]					
[illegible]					
LIGHT VEHICLES	94	57	1334	6293	16693
HEAVY VEHICLES	7	3	104	327	1285
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL GASOLINES	101	61	1522	6980	19801
DIESEL					

Table 17-50b [cent)

HEAVY VEHICLES	11	22	306	31	180
OFF HIGHWAY	2	5	63	6	38
RAIL	4	10	12	8	11
TOTAL (DEISEL)	17	31	381	45	230
CIVIL	1	0	1	2	14
TOTAL [AIRCRAFT)	1	0	1	2	14
VESSELS					
GASOLINE	3	2	55	174	954
TOTAL (VESSELS)	3	2	55	174	954
GAS HANDLINGEVAP LCSS	0	0	0	270	0
TOTAL (TRANSPORTATION)	121	99	2004	3481	15089
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	52	0
TOTAL (MISCELLANEOUS)	0	0	0	52	0
**********					
AREA SOURCES	392	387	2201	3853	15961
POINT SOURCES	219	3116	629	2470	856
TOTAL	610	3503	2830	6322	16817

Table 17-50c

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT — RUN DATE: APRIL 23, 1974

EMISSIONS AS OF: MARCH 24, 1974

FUEL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
DISTILLATE OIL	49	140	59	15	22
WOOD	44	1	17	3	3
INDUSTRIAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	0	1	0	0	0
POINT SOURCES	*	*	*	*	*
POINT SOURCES NATURAL GAS	*	*	*	*	*
ABI					
POINT SOURCES	32	2	12	2	2
AREA SOURCES	*	*	*	*	*
POINT SOURCES	50	245	59	5	5
RESIDUAL OIL					
AREA SOURCES	0	*	0	*	*
NATURAL GAS					
AREA SOURCES	69	204	33	6	9
AREA SOURCES	0	0	*	*	
TOTAL (EXTERNAL COMB) AREA SOURCES	109	347	116	21	35

Table 17-50c (cont.)

AREA SOURCES	99	34	16	2	35
POINT SOURCES	30	249	39	3	3
INDUSTRIAL PROCESS (POINT)					
CHEMICAL MANUFACTURING	0	1200	0	0	0
MINERAL PRODUCTS	32	0	0	0	0
LEATHER PRODUCTS	1	23	0	0	0
TOTAL (INDUSTRIAL)	33	1734	0	1446	4
SURFACE COATING					
GOVERNMENT (POINT)					
OPEN BURNING	0	0	3	15	42
TOTAL (GOVERNMENT)	0	0	3	15	42
RESIDENTIAL (AREA)					
ON SITE INCINERATION	34	1	0	0	0
OPEN BURNING	41	1	0	0	0
TOTAL (RESIDENTIAL)	71	1	0	0	0
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
OPEN BURNING					
TOTAL (COMM-INST)					
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	10	1	0	0	0
OPEN BURNING	1	0	0	0	0
TOTAL (INDUSTRIAL)					
POINT SOURCES	113	1	72	444	0
[illegible]					
AREA SOURCES	14	4	13	119	0
POINT SOURCES	101	1	15	0	0
[illegible]					
LAND VEHICLES					

Table 17-50c

GASOLINE					
LIGHT VEHICLES	56	34	803	1534	7228
HEAVY VEHICLES	3	2	115	200	759
OFF HIGHWAY	2	1	50	158	864
TOTAL (GASOLINE)	62	37	969	1891	8850
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OFF HIGHWAY	1	3	43	4	24
TOTAL (DIESEL)	6	13	95	14	40
AIRCRAFT					
CIVIL	1	0	1	4	22
[illegible]	1	0	1	4	22
RESIDUAL OIL	0	0	0	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GAS HANDLING EVAP LOSS	0	0	0	[illegible]	0
TOTAL (TRANSPORTATION)	70	54	1074	2090	9043
FLARED					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
**********					
AREA SOURCES	252	405	1204	2335	9574
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	478	2412	1316	3768	10221

COMPOSITE SUBSTANCE INVENTORY FOR [illegible]

Table 17-50C!-

NATIONAL EMISSIONS DATASYSTEM
ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT
KNOX COUNTY, MAINE

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	0	1	0	0	4
DISTILLATE OIL	74	526	89	22	37
NATURAL GAS	0	0	1	0	0
WOOD	26	1	10	2	2
TOTAL (RESIDENTIAL)	101	528	101	25	44
INDUSTRIAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	0	1	0	0	0
RESIDUAL OIL					
POINT SOURCES	87	1206	226,	11	15
DISTILLATE OIL					
POINT SOURCES	0	0	2	0	0
NATURAL GAS					
AREA SOURCES	0	0	2	0	0
TOTAL (INDUSTRIAL)					
AREA SOURCES	1	1	2	0	0
POINT SOURCES	87	1206	228	11	15
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	1	1	0	0	0
RESIDUAL OIL					
AREA SOURCES	28	427	74	4	0
POINT SOURCES	6	90	15	1	1
NATURAL GAS					
AREA SOURCES	0	0	2	0	0
TOTAL (COMM-INST)					
AREA SOURCES	30	428	77	4	1
POINT SOURCES	6	90	15	1	1
TOTAL (EXTERNAL COMB)					
AREA SOURCES	131	956	179	29	45

Table 17-50d (cent)

OFF HIGHWAY	1	0	15	48	261
TOTAL (GASOLINE)	56	34	874	1669	7733
DIESEL					
HEAVY VEHICLES	6	12	169	17	100
O F F HIGHWAY	2	4	52	5	31
RAIL	3	9	10	7	9
TOTAL (DIESEL)	11	25	231	29	141
AIRCRAFT					
CIVIL	7	1	6	30	169
TOTAL (AIRCRAFT)	7	1	6	30	169
VESSELS					
GASOLINE	1	0	14	43	236
TOTAL (VESSELS)	1	0	14	43	236
GASHANDLING EVAP LOSS	0	0	0	152	0
TOTAL (TRANSPORTATION)	75	60	1125	1923	8279
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	44	0
TOTAL (MISCELLANEOUS)	0	0	0	44	0
GRAND TOTAL					
**********					
AREA SOURCES	313	1023	1325	2240	8994
POINT SOURCES	2794	6753	1261	205	507
TOTAL	3106	7775	2586	2445	9501

Table 17- 50d (cont)

POINT SOURCES	93	1296	242 "	12	16
TOTAL IEUC COMBUSTION)					
AREA SOURCES	131	954	179	29	45
POINT SOURCES	93	1296	242	12	16
INDUSTRIAL PROCESS (POINT)					
FCOD/AGRICULTURAL	10	0	o	0	0
MINERAL PRODUCTS	2589	5450	984	0	0
EVAPORATION	0	0	o	20	0
INPROCESS FUEL	8	0	0	0	0
TOTAL (INDUSTRIAL)	2608	5450	984	20	0
SOLID WASTE DISPOSAL					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	43	1	1	142	426
OPEN BURNING	18	1	7	37	93
TOTAL (RESIDENTIAL)	60	2	8	179	519
COt4t4ERCIAL-iNSTITUTIONAL					
ONSITE INCINERATION					
AREA SOURCES	5	1	1	4	9
POINT SOURCES	1	o	0	1	1
OPEN BURNING					
AREA SOURCES	6	0	2	1 2	30
TOTAL (COMM-INST)					
AREA SOURCES	11	1	3	16	39
POINT SOURCES	1	0	0	1	1
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	21	3	3	17 .	35
OPEN BURNING					
AREA SOURCES	14	1	5	31	76
POINT SOURCES	92	b	35	173	490
TOTAL (INDUSTRIAL)					
AREA SOURCES	35	4	9	48	111
POINT SOURCES	92	6	35	173	490
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	107	6	20	2 4 4	670
POINT SOURCES	93	b	35	1 7 4	491
TRANSPORTATION (AREA)					
LANO VEHICLES					
GASOLINE					
LIGHT VEHICLES	52	31	752	1436	6768
HEAVY VEHICLES	3	2	107	186	705

Table 17-50e

NATIONAL EMISSIONS DATA SYSTEM

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

LINCOLN COUNTY, MAINE

EMISSIONS AS OF: MARCH 4TH 1974

**********	**********	**********	**********	**********	**********
**********					
EXTERNAL COMBUSTION					
TOTAL RESIDENTIAL	88	140	14	18	33
TOTAL (ELEC GEN)	26	10966	3518	67	101
INDUSTRIAL FUEL					
RESIDUAL OIL					
AREA SOURCES	0	2	1	0	0
AREA SOURCES	0	1	0	0	0
TOTAL (EXTERNAL COMB)					

Table 17-50e (cont)

AREA SOURCES	104	363	117	20	33
POINT SOURCES	28	10995	3523	47	101
INDUSTRIAL PROCESS (POINT)					
**********					
GOVERNMENT (POINT)					
OPEN BURNING	13	1	6	27	48
COMMERCIAL-INSTITUTIONAL					
AREA SOURCES	8	1	2	12	20
INDUSTRIAL					
OPEN BURNING					
TOTAL (INDUSTRIAL)					
TRANSPORTATION (AREA)					
LIGHT VEHICLES	48	29	685	1307	6160
TOTAL (GASOLINE)	53	32	825	1610	7534

Table 17-50e (cont.)

HEAVY VEHICLES	1	3	39	4	43
OFF HIGHWAY	1	3	37	4	22
RAIL	2	6	7	5	7
TOTAL (DEISEL)	5	12	83	12	52

****

AREA SOURCES	217	409	1049	2006	8314
POINT SOURCES	145	11002	3576	1122	721
TOTAL					

Table 17-50f

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT — RUN DATE: APRIL 23, 1974

SAGADAHOC COUNTY, MAINE — EMISSIONS AS OF: MARCH 14s. 1.974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	1	2	0	0	7
DISTILLATE OIL	54	231	65	16	27
NATURAL GAS	0	0	1	0	0
WOOD	24	0	9	2	2
TOTAL (RESIDENTIAL)	79	233	76	18	36
INDUSTRIAL FUEL					
RESIDUAL OIL					
POINT SOURCES	5 6	802	147	7	10
TOTAL (INDUSTRIAL)					
POINT SOURCES	56	802	147	7	10
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	0	1	0	0	0
RESIDUAL OIL					
AREA SOURCES	15	216	39	2	0
NATURAL GAS					
AREA SOURCES	0	0	1	0	0
TOTAL (COMM-INST)					
AREA SOURCES	16	217	41	2	0
TOTAL (EXTERNAL COMB)					
AREA SOURCES	95	450	116	21	37
POINT SOURCES	56	802	147	7	10
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	95	450	116	21	37
POINT SOURCES	56	802	147	7	10
INDUSTRIAL PROCESS (POINT)					

Table 17-[illegible] (cont.)

MINERAL PROD					
TAL (INDUSTRIAL					
[illegible]					
TOTAL (GOVERNMENT)	70	12	8	70	84
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
[illegible]					
TOTAL (COMM-INST)					
[illegible]					
[illegible]					
ON SITE INCINERATION					
AREA SOURCES	2				
[illegible]					
[illegible]					
TOTAL (INDUSTRIAL)					
POINT SOURCES	69	1	28	113	320
[illegible]					
[illegible]					
POINT SOURCES	30	0	35	104	423
TRANSPORTATION (AREA)					
[illegible]					
[illegible]					
[illegible]					
[illegible]	3	3	141	176	666
[illegible]					
L (GASOL)	53	39	818	1540	3223
DIESEL					

Table 17-50f (cont.)

TOTAL (DE ISEL)	10	72	211	26	128
MILITARY	237	45	114	551	591
CIVIL	0	0	0	1	3
TOTAL (AIRCRAFT)	237	45	114	551	594
VESSELS					
GASOLINE	0	0	7	23	124
TOTAL (VESSELS)	0	0	7	23	124
GAS HANDLING EVAP LOSS	0	0	0	143	0
TOTAL (TRANSPORTATION)	300	99	1150	2303	8068
MISCELLANEOUS (AREA)					
**********					
SOLVENTEVAPORATION LOSS	0	0	0	35	0
TOTAL (MISCELLANEOUS)	0	0	0	35	0
GRAND TOTAL					
********W**					
AREA SOURCES	486	555	1284	2 5 5 a	8648
POINT SOURCES	231	8 2 1	182	214	432
TOTAL	716	1 3 7 5	1467	.2772	9080

Table 17.50g

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

	**********	**********	**********	**********	**********
**********					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	0	33	2	0	28
TOTAL (RESIDENTIAL)	14	1	42	9	8
ELEC GENERATION (POINT)					
RESIDUAL OIL	139	20672	6357	121	182
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	3		0		1
POINT SOURCES	154	26	149	21	24
[illegible]					1
AREA SOURCES	358	5278	834	43	8
DISTILLATE OIL					

Table g

INT URC

POINT SOURCES	0	0	[illegible]	[illegible]	[illegible]
AREA SOURCES	313	3393	[illegible]	[illegible]	[illegible]
AREA SOURCES	897	9107	1340	196	[illegible]
DIESEL	0	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	769	28783	8089	227	[illegible]
INDUSTRIAL PROCESS (POINT)					
MINERAL PRODUCTS	2332	0	16	[illegible]	[illegible]
EVAPORATION	0	0	0	[illegible]	[illegible]
**********					
GOVERNMENT (POINT)					
OPEN BURNING	345	22	129	[illegible]	[illegible]
OPEN BURNING	158	10	59	335	[illegible]
TOTAL (RES					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OPEN BURNING					[illegible]
TOTAL (COMM-INST)				[illegible]	[illegible]
AREA SOURCES					
POINT SOURCES	2	1	1		[illegible]

Table 17-50g (cont.)

INDUSTRIAL					
ON-SITE INCINERATION					
POINT SOURCES	389	24	144	722	2047
TOTAL (OTHER THAN FUEL)					
AREA SOURCES	1000	61	189	2250	6158
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GASOLINE					
TOTAL (GASOLINE)	432	259	6702	12775	59140
HEAVY VEHICLES	46	92	1309	131	770
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JET					
MILITARY	8	3	4	19	30
[illegible]					
DIESEL FUEL	26	68	79	52	73
RESIDUAL OIL	15	44	40	3	0
TOTAL (TRANSPORTATION)	615	584	8618	14476	61351
MISCELLANEOUS (AREA)					

Table 17-5 0g (cont.)

GRAN ******
**** *******

AREA SOURCES	2512	9752	10352	17689	67827
POINT SOURCES	6389	29090	8380	21418	7366
TOTAL	8912	38842	18732	39107	75193

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

YORK COUNTY, MAINE

	PARTICULATES ********** TONS / YR	SOX ********** TONS / YR	NOX ********** TONS / YR	HC ********** TONS / YR	CO ********** TONS / YR
**********					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
[illegible]	87	1	27	5	5
TOTAL (RESIDENTIAL)	311	3079	319	78	143
INDUSTRIAL FUEL					
ANTHRACITE COAL					
[illegible]	-	-	-	-	-
NATURAL GAS					
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
[illegible]	-	-	-	-	-
RESIDUAL OIL					
[illegible]	17	711	267	20	4
NATURAL GAS					
[illegible]		-	-	-	-
AREA SOURCES	396	4059	643	81	144

17-50h (cont.)

POINT SOURCES	[illegible]				
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	396	4058	543	91	146
POINT SOURCES	196	2461	512	26	34
INDUSTRIAL					
**********					
CHEMICAL MANUFACTURING	[illegible]				
EVAPORATION	[illegible]			[illegible]	[illegible]
[illegible]					
GOVERNMENT (POINT)					
[illegible]					
TOTAL (GOVERNMENT)	302	[illegible]	[illegible]	[illegible]	[illegible]
RESIDENTIAL (AREA					
ON SITE INCINERATION	182	3	6	[illegible]	[illegible]
OPEN BURNING					
TOTAL (RESIDENTIAL)	279	9	42	812	2332
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
[illegible]					
AREA SOURCES	32	2	2	[illegible]	[illegible]
TOTAL (COMM-INST)					
AREA SOURCES		5	16	88	210
POINT SOURCES					--
INDUSTRIAL					
ON SITE					
AREA SOURCES	111	14	18	92	185
OPEN BURNING					
AREA SOURCES	74	5	28	168	305
POINT SOURCES					---
TOTAL (INDUSTRIAL)					
AREA SOURCES	[illegible]			[illegible]	[illegible]
POINT SOURCES	345	22	129	647	1834
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	520	33	105	1150	3122
POINT SOURCES	648		[illegible]	[illegible]	6702
[illegible]					
LAND VEHICLES					

Table 17-50h (cont.)

GASOLINE					
LIGHT VEHICLES	258	155	3698	7062	33282
HEAVY VEHICLES	16	10	529	917	3483
OFF HIGHWAY	3	2	58	184	1006
TOTAL (GASOLINE)	277	166	4286	8162	37771
DIESEL					
HEAVY VEHICLES	30	59	839	84	494
OFF HIGHWAY	7	15	203	20	124
RAIL	13	34	39	26	36
TOTAL (DEISEL)	50	108	1082	130	654
AIRCRAFT					
CIVIL	7	1	7	33	189
TOTAL (AIRCRAFT)	1	1	7	33	189
VESSELS					
GASOLINE	0	0	3	9	52
TOTAL (VESSELS)	0	0	3	9	52
GAS HANDLING EVAP LOSS	0	0	0	750	0
TOTAL (TRANSPORTATION)	334	275	5378	9085	38665
MISCELLANEOUS (AREA)					
SO VENT EVAPORATION LOSS	0	0	0	446	0
TOTAL (MISCELLANEOUS)	0	0	0	446	0
GRAND TOTAL					
AREA SOURCES	1250	4366	6026	10773	41933
POINT SOURCES	854	2512	733	1099	3016
TOTAL	2105	6878	6759	11872	44949

Table 17-51a

NATIONAL EMISSIONS DATA SYSTEM
ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT
STRAFFORD COUNTY, NEW HAMPSHIRE

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATE TONS / YR	SOX TONS / YR	NOx TONS / YR	HC TONS / YR	CO TONS / YR
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	1	3	0	0	9
DISTILLATE OIL	123	1223	148	3-1	61
NATURAL GAS	4	0	10	2	4
WOOD	26	1	10	2	2
TOTAL (RESIDENTIAL)	154	1226	168	41	76
ANTHRACITE COAL					
AREA SOURCES	2	3	2.	0	0
BITUMINOUS COAL					
AREA SOURCES	32	-9	6	0	1
RESIDUAL OIL					
POINT SOURCES	89	1167	232	12	15
DISTILLATE OIL					
AREA SOURCES	45	298	180	9	1
POINT SOURCES	2	6	7	0	0
NATURAL GAS					
AREA SOURCES	1	0	7	2	0
WOOD					
POINT SOURCES	2	1	5	1	1
LIQUIDPETROL GAS					
POINT SOURCES	0	0	1	0	0
TOTAL (INDUSTRIAL)					
AREA SOURCES	80	311	195	11	2
POINT SOURCES	93	1174	244	13	17
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	1	2	1	0	0
BITUMINOUS COAL					
AREA SOURCES	9	6	2	0	2
RESIDUAL OIL					
AREA SOURCES	20	263	53	3	0

Table 17-51a (cont.)

[illegible] AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] NATURAL GAS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	0	0	1	0	0
[illegible] TOTAL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	147	1900	387	20	22
INDUSTRIAL PROCESS (POINT)					
MINERAL PRODUCTS	38	0	0	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
[illegible] MUNICIPAL INCINERATION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RESIDENTIAL (AREA)					
ON SITE INCINERATION	120	2	4	399	1197
OPEN BURNING	49	3	18	104	259
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
OPEN BURNING					
[illegible] TOTAL (COMM-INST)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] AREA SOURCES	101	13	17	84	169
AREA SOURCES	302	21	48	635	1737

Table 17-51 a. (cont.)

POINT SOURCES	411	31	146	702	2089
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
LIGHT VEHICLES	149	89	2137	4103	19453
HEAVY VEHICLES	9	5	2a7	500	1907
OFF HIGHWAY	2	1	51	161	880
TOTAL (GASOLINE)	160	96	2475	4764	22241
DIESEL					
HEAVY VEHICLES	10	21	291	29	171
OFF HIGHWAY	2	5	68	7	42
RAIL	1	2	3	2	2
TOTAL (DEISEL)	14	28	362	38	215
CIVIL	2	0	1	7	40
TOTAL (AIRCRAFT)	2	0	1	7	40
GASOLINE	0	0	8	24	130
TOTAL (VESSELS)	0	41	8	24	130
GAS HANDLINGEVAP LOSS	0	0	0	409	0
TOTAL (TRANSPORTATION)	175	124	2846	5242	2 2 6 2 7
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	106	0
TOTAL (MISCELLANEOUS)	0	0	0	106	0
AREA SOURCES	778	2112	3468	6047	24456
POINT SOURCES	596	1931	533	737	2116
TOTAL	1374	4043	4002	6783	26572

Table 17 FIL

NATIONAL EMISSIONS DATA SYSTEM

****

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 22, 1974

ROCKINGHAM COUNTY, NEW HAMPSHIRE

EMISSIONS AS OF: MARCH 1?, 1974

	********** TONS / YR	********** TONS / YR	********** TONS / YR	********** TONS / YR	********** TONS / YR
EXTERNAL COMBUSTION					
ANTHRACITE COAL	1	4	0		
NATURAL GAS	0	0	33	4	0
WOOD	63	0	10	6	6
TOTAL (RESIDENTIAL)	377	2400	334	70	446
ELEC GENERATION (POINT)					
RESIDUAL OIL	371	14569	4872	93	139
TOTAL (ELEC GEN)	374	14573	4912	93	139
[illegible]					
AREA SOURCES					
[illegible]					
POINT SOURCES	7	53	10	1	4
NATURAL GAS					
POINT SOURCES	3	0	34	0	3
WOOD					
AREA SOURCES	33	79	0	1	
POINT SOURCES	172	1??	200	10	54

Table 17-51b (cont.

BITUMINOUS COAL					
AREA					
RESIDUAL OIL					
POINT SOURCES	28	373	72	A	E
DISTILLATE OIL					
AREA SOURCES	27	1	139	11	28
TOTAL (COMM-INST)					
TOTAL					
ELECTRIC					
	0	0	5	0	0
AREA SOURCES	440				
POINT SOURCES	580				
INDUSTRIAL PROCESS (POINT)					
SOLID WASTE					
GOVERNMENT (POINT)					
OPEN BURNING	489	31	184	918	26**
TOTAL (GOVERNMENT)	489				
RESIDENTIAL					
ON OPEN BURNING					
ON SITE INCINERATION					
AREA SOURCES					
TOTAL (COMM-INST)					
AREA SOURCES	64	6	17	94	223

Table 17-51b (cont.)

INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	113	14	19	94	188
TOTAL (INDUSTRIAL)					
AREA SOURCES	113	14	19	94	188
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	512	30	80	1182	3288
POINT SOURCES	489	31	184	918	2600
TRANSPORTATION (AREA)					
LAND VEHICLES					
GASOLINE					
LIGHTVEHICLES	294	177	4216	8096	38383
HEAVY VEHICLES	17	10	566	987	3766
OFF HIGHWAY	5	3	101	317	1735
TOTAL(GASOLINE)	316	190	4883	9400	43884
DIESEL					
HEAVY VEHICLES	20	40	573	57.	337
OFF HIGHWAY	5	10	137	14	83
RAIL	2	4	5	3	5
TOTAL (DEISEL)	27	55	715	74	425
AIRCRAFT					
MILITARY	261	50	125	607	651
CIVIL	4	1	3	17	96
TOTAL (AIRCRAFT)	264	51	129	623	747
VESSELS					
GASOLINE	1	0	14	45	245
TOTAL (VESSELS)	1	0	14	45	245
GAS HANDLING EVAP LOSS	0	0	0	808	0
TOTAL (TRANSPORTATION)	605	295	5741	10950	45302
MISCELLANEOUS (AREA)					
SOLVENT EVAPORATION LOSS	0	0	0	556	0
TOTAL (MISCELLANEOUS)	0	0	0	556	0
GRAND TOTAL					
AREA SOURCES	1557	3480	6630.	12797	48769
POINT SOURCES	1255	16033	5498	21245	2767
TOTAL	2812	19512	12127	34042	51537

Table 17-52a

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23,1974

EMISSIONS AS OF: MARCH 14, 1974

MERRIMACK VALLEY COUNTY, MASSACHUSETTS

	PARTICULATE TONS / YR	SOX TONS /YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	22	55	7	5	198
BITUMINOUS COAL	13	37	2	13	58
DISTILLATE OIL	619	2635	742	186	309
NATURAL GAS	73	2	191	31	76
WOOD	5	0	2	0	0
TOTAL (RESIDENTIAL)	731	2729	944	235	642
INDUSTRIAL FUEL					
BITUMINOUS COAL					
AREA SOURCES	97	47	12	1	2
POINT SOURCES	708	332	97	4	9
RESIDUAL OIL					
AREA SOURCES	14	213	35	2	0
POINT SOURCES	598	8271	1563	78	104
DISTILLATE OIL					
AREA SOURCES	23	65	92	5	0
POINT SOURCES	1	1	2	0	0
NATURAL GAS					
AREA SOURCES	16	1	157	35	0
POINT SOURCES	6	0	73	1	5
WOOD					
POINT SOURCES	5	0	2	0	0
TOTAL (INDUSTRIAL)					
AREA SOURCES	149	326	296	42	2
POINT SOURCES	1317	8604	1738	83	119
COMM-INSTITUTIONAL FUEL					
RESIDUAL OIL					
AREA SOURCES	1224	19216	3193	160	11
POINT SOURCES	42	494	109	5	7
DISTILLATE OIL					
AREA SOURCES	602	1710	2408	120	e
NATURAL GAS					

Table 17-52a (cont.)

SOURCE					
TOTAL (COMM-INST)			155		31
AREA SOURCES	1855	20926	5756	292	50
POINT SOURCES	42	494	109	5	7
AREA SOURCES	2735	23982	6997	569	694
POINT SOURCES	1359	9098	1847	89	126
		0	0		
		3	0		
				1045	0
				1780	274
SOLID WASTE DISPOSAL					
OPEN BURNING	506	32	190	949	2690
TOTAL (GOVERNMENT)	506	32	190	949	2690
RESIDENTIAL (AREA)					
ON SITE INCINERATION	603	10	20	2011	6034
OPEN BURNING	10	1	4	20	51
TOTAL (RESIDENTIAL)	613	11	24	2032	6085
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
AREA SOURCES	80	10	13	67	134
POINT SOURCES	8	2	2		
AREA SOURCES	84	10	15	74	151
POINT SOURCES	8	2	2	6	12
AREA SOURCES	751	94	125	625	1261
POINT SOURCES	212				
OPEN BURNING					
TOTAL (INDUSTRIAL)					
POINT SOURCES	212	131	157	157	525
TOTAL (SOLID WASTE DISP)					

Table 17-52a (cont.)

AREA SOURCES	1476	117	174	2792	7640
POINT SOURCES	727	165	350	1113	3227
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	769	461	11024	25125	145622
HEAVY VEHICLES	65	3 c	2159	4837	20794
OFF HIGHWAY	1	1	31	97	532
TOTAL (GASOLINE)	835	501	13214	30059	166947
HEAVY VEHICLES	61	122	1735	174	1021
OFF HIGHWAY	9	15	259	26	157
RAIL	18	46	54	36	50
TOTAL (DIESEL)	88	188	2048	235	1228
GAS HANDLING EVAP LOSS	0	0	0	2040	0
TOTAL (TRANSPORTATION)	924	689	15262	32334	168175
MISCELLANEOUS (AREP)					
**********					
SOLVENTEVAPORATION LOSS	0	0	0	7345	0
TOTAL (MISCELLANEOUS)	0	0	0	7345	0
GRAND TOTAL					
**********					
AREA SOURCES	5135	24787	22433	43041	176510
POINT SOURCES	2205	9263	2197	2982	3627
TOTAL	7340	34051	24630	46023	180137

Table 17-52b

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT — RUN DATE: APRIL 22, 1974

METROPOLITAN BOSTON COUNTY, MASSACHUSETTS — EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES	SOX	NOX	HC	CO
	TONS / YR	TONS / YR	TONS / YR	TONS / YR	TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
DISTILLATE OIL	3903	4427	[illegible]	71	[illegible]
WOOD	27	1	11	2	2
TOTAL (RESIDENTIAL)	4551	17096	5918	1452	3689
RESIDUAL OIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NATURAL GAS	19	1	742	1	21
TOTAL (ELEC GEN)	3421	137176	47617	894	1360
[illegible]					
[illegible] AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] POINT SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	73	1143	190	9	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] POINT SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NATURAL GAS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL INDUSTRIAL					
AREA SOURCES	706	1747	1586	224	13
POINT SOURCES	2193	25926	4998	643	360

Table 17-52b(cont.)

RESIDUAL OIL					
POINT SOURCES	3	8	46	1	4.1
NATURAL GAS					
POINT SOURCES					
AREA SOURCES					
POINT SOURCES					
AREA SOURCES	16980	150037	43591	3510	4016
POINT SOURCES	7205	176226	56022	1261	1054
INDUSTRIAL PROCESS (PROCESS)					
POINT SOURCES					
TOTAL (INDUSTRIAL)	300	1567	0	3220	33
SOLID WASTE DISPOSAL					
POINT SOURCES					
TOTAL (GOVERNMENT)	1617	437	602	276	8777
RESIDENTIAL (AREA)					
ON SITE INCINERATION	2065	34	69	6884	20653
POINT SOURCES					
ON SITE INCINERATION					
AREA SOURCES	275	34	42	220	450
POINT SOURCES	87	17	12	82	112
TOTAL (COMMERCIAL)					
POINT SOURCES	84	17	12	87	113
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	2571	321	428	2142	4280
POINT SOURCES	3	1	1	1	4
TOTAL (INDUSTRIAL)					
AREA SOURCES	2571	321	428	2142	4280

Table 17-52b (cont.)

POINT SOURCES	3	1	1	1	4
TOTAL (SOLID WASTEDISP)					
AREA SOURCES	4912	390	543	9256	25397
POINT SOURCES	1604	642	515	660	3093
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	3912	2347	56075	127800	740717
HEAVY VEHICLES	278	167	9259	20741	89166
OFF HIGHWAY	9	5	194	608	3331
TOTAL (GASOLINE)	4199	2520	65528	149148	833214
DIESEL					
OFF HIGHWAY	57	118	1621	162	985
RAIL	112	292	336	224	314
TOTAL (DEISEL)	169	410	1957	386	1300
AIRCRAFT					
MILITARY	86	16	41	199	214
CIVIL	82	16	74	362	2070
COMMERCIAL	1024	227	641	2458.	5830
TOTAL (AIRCRAFT)	1191	259	756	3019	8113
VESSELS					
DIESEL FUEL	143	371	428	285	400
RESIDUAL OIL	62	267	160	8	1
TOTAL (VESSELS)	204	039	589	294	400
GAS HANDLING EVAP LOSS	o	0	0	10379	0
TOTAL (TRANSPORTATION)	5764	3827	68830	163227	843027
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	o	.0	0	52926	0
TOTAL (MISCELLANEOUS)	o	0	0	52926	o
GRAND TOTAL					
AREA SOURCES	27655	154254	112964	226919	872439
POINT SOURCES	9108	177379	55588	5041	10780
TOTAL	36763	331633	168553	233%50	883219

Table 17-52c

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT — RUN DATE: APRIL 23, 1974

SOUTH EAST MASSACHUSETTS COUNTY, MASSACHUSETTS — EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOx TONS 1 YR	NOX TONS / YR	HC TONS 1 YR	CO TONS / YR
FUEL CONSUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	11	27	3	3	97
BITUMINOUS COAL	6	18	1	6	29
DISTILLATE OIL	812	3461	975	244	406
NATURAL GAS	127	4	3'34	54	134
WOOD	22	0	9	2	2
TOTAL (RESIDENTIAL)	979	3511	1323	308	668
ELEC GENERATION (POINT)					
RESIDUAL OIL	2521	129202	41199	785	1177
NATURAL GAS	11	1	760	1	22
TOTAL (ELEC GEN)	2531	129203	41959	786	1199
INDUSTRIAL FUEL					
BITUMINOUS COAL					
AREA SOURCES	132	64	17	1	2
RESIDUAL OIL					
AREA SOURCES	19	292	49	2	0
POINT SOURCES	272	4004	709	35	47
DISTILLATE OIL					
AREA SOURCES	31	89	126	6	0
NATURAL GAS					
AREA SOURCES	21	1	213	47	0
POINT SOURCES	7	0	95	1	1
TOTAL (INDUSTRIAL)					
AREA SOURCES	204	447	405	57	3
POINT SOURCES	279	4004	804	37	54
COMM-INSTITUTIONAL FUEL					
BITUMINOUS COAL					
POINT SOURCES	510	277	84	6	11
RESIDUAL OIL					
AQEA SOURCES	1734	27216	4522	226	15

Table 17-52c (cont.)

POINT SOURCES	8	148	20	1	1
OX STILLATE OIL					
AREA SOURCES	853	2421	3410	171	11
NATURAL GAS					
AREA SOURCES	42	1	220	18	44
POINT SOURCES	0	0	1	0	0
TOTAL (COMM-INST)					
AREA SOURCES	2628	29639	8153	414	71
POINT SOURCES	517	424	105	7	13
TOTAL (EXTERNAL COMB)					
AREA SOURCES	3811	33596	9880	780	742
POINT SOURCES	3328	133631	42868	829	1266
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	3811	33596	9880	780	742
POINT SOURCES	3328	133631	42868	829	1266
INDUSTRIAL PROCESS (POINT)					
**********					
CHEMICAL MANUFACTURING	227	0	0	0	0
SECONDARY METALS	17	0	0	0	56
MINERAL PRODUCTS	1	0	0	0	0
TOTAL (INDUSTRIAL)	246	0	0	0	56
SOLID WASTE DISPOSAL					
**********					
GOVERNMENT (POINT)					
OPEN BURNING	1822	114	683	3416	9678
TOTAL (GOVERNMENT)	1822	114	683	3416	9678
RESIDENTIAL (AREA)					
ON SITE INCINERATION	248	4	8	826	247%
OPEN BURNING	210	13	79	447	1118
TOTAL (RESIDENTIAL)	458	17	87	1273	3596
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
AREA SOURCES	33	4	5	27	55
OPEN BURNING					
AREA SOURCES	70	4	26	150	374
TOTAL (COMM-INST)					
AREA SOURCES	103	9	32	177	429
ON SITE INCINERATION					
AREA SOURCES	225	28	37	187	375
OPEN BURNING					
AREA SOURCES	478	30	179	1017	2541
TOTAL (INDUSTRIAL)					
AREA SOURCES	703	58	217	1204	2916
TOTAL (SOLID WASTE DISP)					

Table 17-52c (cont.)

AREA SOURCES	1765	34	336	2654	6941
POINT SOURCES	1822	114	.583	3416	9678
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	1162	697	16656	~6411	202973
HEAVY VEHICLES	98	59	'3262	6916	29002
OFF HIGHWAY	2	1	44	137	753
TOTAL (GASOLINE)	1262	757	ı9962	43465	232728
DIESEL					
HEAVY VEHICLES	—93	185	2621	262	1542
OFF HIGHWAY	13	27	366	37	223
RAIL	25	66	76	51	71
TGTAL (DEISEL)	131	278	3064	350	1836
AIRCRAFT					
MILITARY	239	46	1 1 5	556	596
CIVIL	30	6	27	132	752
COMMERCIAL	12	3	8	30	70
TOTAL (AIRCRAFT)	281	54	149	717	1419
VESSELS					
DIESEL FUEL	88	22"3	263	175	246
RESIDUAL OIL	12	52	31	2	0
TOTAL (VESSELS)	100	281	295	177	246
GAS HANDLING EVAP LCSS	0	0	0	3083	0
TOTAL (TRANSPORTATION)	1773	1370	23470	47791	236228
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	11508	0
TOTAL (MISCELLANEOUS)	0	0	0	11508	0
GRAND TOTAL					
**********					
APEA SOURCES	6849	35050	33686	62733	243911
POINT SOURCES	5396	133745	43551	4245	11000
TOTAL	12245	168795	77238	66978	254911

Table 17-53a

ENVIRONMENTAL PROTECTION AGENCY

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	[illegible] TONS / YR	[illegible] TONS / YR
FUEL COMBUSTION					
NATURAL GAS	6	0	15	4	2
TOTAL (RESIDENTIAL)	104	400	152	22	
ELEC GENERATION (POINT)					
RESIDUAL OIL	22	810	220		
GEN)	22				8
AREA SOURCES	19	4	5	4	
AREA SOURCES	2	22	4	0	
AREA SOURCES	1	1	1	0	
AREA SOURCES	1				
AREA - B E	23	40	22		
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
BITUMINOUS COAL					
AREA SOURCES					
RESIDUAL OIL					
POINT SOURCES	209	3020	344	21	22
AREA SOURCES	100	284	400	20	4

Table 17-53a (cont.)

AREA SOURCES	255	2306	813	41	8
AREA SOURCES	382	2766	865	76	43
[illegible]	691	3691	933	93	93
SOLID WASTE DISPOSAL					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL (GOVERNMENT)	833	98	220	1015	3182
[illegible]					
INDUSTRIAL					
ON SITE INCINERATION					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OPEN BURNING					
TOTAL (INDUSTRIAL)					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	201	10	93	301	705
TRANSPORTATION (AREA)					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 17-53a (cont.)

TOTAL (GASOLINE)	143	86	2263	4812	25250
DIESEL					
HEAVY VEHICLES	11	23	322	3 2	190
OFF HIGHWAY	6	13	178	18	.108
RAIL	2	5	6	4	6
TOTAL (DEISEL)	20	41	506	54	303
GAS HANDLING EVAPLOSS	o	0	0	351	0
TOTAL (TRANSPORTATION)	163	127	27'69	5217	25554
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	o	0	o	235	0
TOTAL (MISCELLANEOUS)	o	0	0	235	0
GRAND TOTAL					
**********					
AREA SOURCES	712	2891	3787	5895	26566
POINT SOURCES	1064	3949	1055	1047	3 2 2 7
TOTAL	1776	6840	4 8 4 2	6942	29793

Table 17-53b

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

EMISSIONS AS OF: MARCH 14, 1974

BRISTOL COUNTY, RHODE ISLAND

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
ANTHRACITE COAL	1	2	0	0	7
DISTILLATE OIL	45	191	54	13	22
NATURAL GAS	b	0	14	2	b
WOOD	2	0	1	0	0
TOTAL (RESIDENTIAL)	54	194		16	35
BITUMINOUS COAL					
AREA SOURCES	46	34	7	0	1
RESIDUAL OIL					
AREA SOURCES	4	52	10	0	0
POINT SOURCES	1	353	61	3	4
DISTILLATE OIL					
AREA SOURCES	4	10	14	1	0
NATURAL GAS					
AREA SOURCES	2	0	22	5	0
TOTAL ([NDUSTRIAL)					
AREA SOURCES	56	96	52	6	1
POINT SOURCES	1	353	61	3	4
COW4-INSTITUTI ONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	0	1	0	0	0
BITUMINOUS COAL					
AREA SOURCES	1	1	0	0	0
RESIDUAL OIL					
AREA SOURCES	71	967	185	9	1
DISTILLAT: OIL					
AREA SOURCES	48	136	191	10	1
NATURAL GAS					
AREA SOURCES	2	0	12	1	2
ToTAL (CCMM-INST)					
AREA SOURCES	122	1105	389	20	4

Table 17 FOR (cont.)

AREA SOURCES	232	1394	511	42	40
POINT SOURCES	1	353	61	3	4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OPEN BURNING	32	2	12	60	170
TOTAL (GOVERNMENT)	32	2	12	60	170
OPEN BURNING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OPEN BURNING					
AREA SOURCES	32	2	3	76	191
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HEAVY VEHICLES	5	3	177	397	[illegible]
TOTAL (GASOLINE)	69	41	1083	2462	13675
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 17-53b (cont.)

OFF HIGHWAY	3	6	85	9	52
RAIL	1	3	3	2	3
TOTAL (DIESEL)	9	20	242	26	145
GAS HANDLING EVAP LOSS	0	0	0	168	0
TOTAL (TRANSPORTATION)	78	61	1326	2656	13821
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	112	0
TOTAL (MISCELLANEOUS)	0	0	0	112	0
**********					
AREA SOURCES	403	1461	1867	3014	14385
POINT SOURCES	33	355	73	63	174
TOTAL	436	1815	1940	3077	14559

Table 17-53c

ENVIRONMENTAL PROTECTION AGENCY
****

COUNTY EMISSIONS REPORT
****
PROVIDENCE COUNTY, RHODE ISLAND

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES ********** TONS / YR	SOX ********** TONS / YR	NOX ********** TONS / YR	HC ********** TONS / YR	CO ********** TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
WOOD	21	6	5	5	5
TOTAL (RESIDENTIAL)	731	2663	988	227	483
ELEC GENERATION (UTILITY)					
RESIDUAL OIL	396	21977	6110	116	175
NATURAL GAS	32	1	1260	2	36
TOTAL (ELEC GEN)	427	21978	7370	118	210
INDUSTRIAL FUEL					
RESIDUAL OIL					
AREA SOURCES	33	144	146	1	4
POINT SOURCES	633	8410	1530	74	101
DISTILLATE OIL					
AREA SOURCES	51	145	334	10	1
NATURAL GAS					
AREA SOURCES	32	1	318	11	1
POINT SOURCES	22	2	147	4	12
TOTAL (INDUSTRIAL)					
AREA SOURCES	809	1380	760	94	15
POINT SOURCES	585	8412	1677	78	113
COMMERCIAL-INSTITUTIONAL FUEL					
RESIDUAL OIL					

Table 17-53c (cont.)

SID					
[illegible]					
POINT SOURCES	1	1	2	0	0
AREA SOURCES	41	1	182	42	--
TOTAL (COMM-INST)					
POINT SOURCES	48	1021	177	3	42
TOTAL (EXTERNAL COMB)					-
POINT SOURCES	1088	31722	7777		
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	3118	18504	8779	316	22
**********					
SECONDARY METALS	111	0	0	-	-
TOTAL (INDUSTRIAL)	525	-			
SOLID WASTE DISPOSAL					
**********					
OPEN BURNING	297	19	111	777	7777
ON SITE				735	1206
OPEN BURNING	400	25	150	850	4162
COMMERCIAL-INSTITUTIONAL					
AREA SOURCES	17	2	3	17	22
AREA SOURCES					
TOTAL (COMM-INST)					
AREA SOURCES					
INDUSTRIAL					
ON SITE INCINERATION					
OPEN BURNING				777	2439
TOTAL (INDUSTRIAL)					
AREA SOURCES	519	36	182	1025	2538

Table 17-33C (CONT.)

TRANSPORTATION AREA					
LAND VEHICLES					
TOTAL (DIESEL)	121	253	3122	333	1071
AIRCRAFT					
MILITARY	129	25	62	301	323
CIVIL	20	4	18	87	497
COMMERCIAL	291	65	182	699	1658
**********					
SOLVENT EVAPORATION LOSS	0	0	0	5810	0
GRAND TOTAL					
POINT SOURCES	3023	31564	9444	843	5188

Table 17-53d

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

KENT COUNTY, RHODE ISLAND

EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	3	8	1	1	28
DISTILLATE OIL	154	654	184	46	77
NATURAL GAS	15	0	39	6	16
WOOD	4	0	1	0	0
TOTAL (RESIDENTIAL)	175	663	226	53	121
INDUSTRIAL FUEL					
BITUMINOUS COAL					
AREA SOURCES	94	69	14	1	2
RESIDUAL OIL					
AREA SOURCES	8	104	20	1	0
POINT SOURCES	78	1270	204	10	14
DISTILLATE OIL					
AREA SOURCES	7	20	28	1	0
NATURAL GAS					
AREA SOURCES	4	0	44	10	0
TOTAL (INDUSTRIAL)					
AREA SOURCES	113	193	106	13	2
POINT SOURCES	78	1270	204	10	14
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	1	2	1	0	0
BITUMINOUS COAL					
AREA SOURCES	2	3	0	0	0
RESIDUAL OIL					
AREA SOURCES	224	3054	583	29	2
DISTILLATE OIL					
AREA SOURCES	151	429	604	30	2
NATURAL GAS					
AREA SOURCES	8	6	39	3	8
TOTAL (COMM-INST)					
AREA SOURCES	386	3488	1228	63	13

Table 17-53d (cont.)

TOTAL (EXTERNAL					
AREA SOURCES	474	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	78	1370	204	10	[illegible]
INDUSTRIAL PROCESS (POINT)					
[illegible]	[illegible]	0	0	0	0
SECONDARY METALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0	0	0	0
TOTAL (INDUSTRIAL)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOLID WASTE DISPOSAL					
[illegible]					
OPEN BURNING	266	17	88	484	1407
TOTAL (GOVERNMENT)	356	24	105	501	1513
[illegible]					
OPEN BURNING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
[illegible]	[illegible]				
AREA SOURCES	37	3	13	73	181
INDUSTRIAL					
ON SITE INCINERATION					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OPEN BURNING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION (AREA)					
[illegible]					

Table 17-53d(cont.)

GASOLINE					
LIGHT VEHICLES	200	120	2860	6517	37773
HEAVY VEHICLES	17	10	559	1251	5379
TOTAL [GASOLINE]	216	130	3418	7769	43153
DIESEL					
HEAVY VEHICLES	17	34	497	49	287
OFF HIGHWAY	9	20	268	27	163
RAIL	3	8	9	6	8
TOTAL (DIESEL)	30	62	764	82	458
GAS HANDLING EVAP LOSS	0	0	0	529	0
TOTAL (TRANSPORTATION)	246	192	4183	8379	43611
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	710	0
TOTAL (MISCELLANEOUS)	0	0	0	710	0
GRAND TOTAL					
**********					
AREA SOURCES	1213	4553	5838	9856	45385
POINT SOURCES	502	1294	310	511	2397
TOTAL	1715	5847	6148	10367	47782

****

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

WASHINGTON COUNTY, RHODE ISLAND

	TONS / YR	TONS / YR	TONS / YR	TONS / YR	TONS / YR
**********					
EXTERNAL COMBUSTION					
ANTHRACITE COAL	1	5	1	1	10
DISTILLATE OIL	78	332	94	23	39
ELEC GENERATION (POINT)					
RESIDUAL OIL	14	800	228	5	7
[illegible]					
[illegible]					
AREA SOURCES	7	27	11	1	2
POINT SOURCES	192	2822	500	25	33
DISTILLATE OIL					
NATURAL GAS	1	11	10	1	1
AREA SOURCES	2	0	24	2	0
AREA SOURCES	82	103	28	1	4
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	1	1	0	0	0
BITUMINOUS COAL					
RESIDUAL OIL	1	1	0	0	0
[illegible]	22	10	11	11	1

Table 7-53e (cont.)

NATURAL GAS					
POINT SOURCES					
AREA SOURCES	[illegible]	[illegible]	[illegible]	--	--
POINT SOURCES	46	600	139	7	10
TOTAL (CENTRAL COAST)					
AREA SOURCES	486	2270	913	12	19
POINT SOURCES	256	4250	671	31	56
SOLID WASTE DISPOSAL					
RESIDENTIAL (AREA)					
TOTAL (RESIDENTIAL)	79	4	23	190	300
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
OPEN BURNING					
AREA SOURCES	36	1	7	42	106
TOTAL (COMM-INST)					
AREA SOURCES	6	1	4	-	--
AREA SOURCES	40	3	27	21	--
TOTAL					
AREA SOURCES	92	4	--		
TOTAL (SOLID WASTE DISP)					
LAND VEHICLES					

Table 17-53e (cont.)

GASOLINE					
LIGHT VEHICLES	121	72	1732	3705	20218
TOTAL (GASOLINE)	131	79	2070	4402	23101
DIESEL					
HEAVY VEHICLES					
OFF HIGHWAY	-	[illegible]	[illegible]	18	99
RAIL	2	3	6	4	5
TOTAL	[illegible]	[illegible]	172	833	847
GAS HANDLING EVAP LOSS					
TOTAL (TRANSPORTATION)	508	185	2706	5608	24286
**********					
SOLVENT EVAPORATION LOSS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	598	4252	1006	678	1867
TOTAL	[illegible]	[illegible]	[illegible]	8911	27097

Table 17-54a

NATIONAL EMISSIONS DATA SYSTEM
****

ENVIRONMENTAL PROTECTION AGENCY
***** **********

COUNTY EMISSIONS REPORT
****V ***** E*** A*** *****
NEW LONDON COUNTY, CONNECTICUT

RUN DATE: APRIL 23,1974
EMISSIONS AS OF: MARCH 14,1974

	PARTICULATE ********** TONS / YR	Sox ********** TONS / YR	NOX ********** TONS / YR	HC ********** TONS / YR	CO ********** TONS / YR
FUEL COMBUSTION					
**********					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	7	19	2	2	67
DISTILLATE OIL	263	1120	316	79	131
NATURAL GAS	15	0	38	6	15
WOOD	24	0	9	2	2
TOTAL (RESIDENTIAL)	309	1140	366	89	216
ELEC GENERATION (POINT)					
BITUMINOUS COAL	655	1872	123	b	19
RESIDUAL OIL	785	17640	416(!	235	352
DISTILLATE OIL	2	11	12	1	1
TOTAL (ELEC GEN)	1442	19523	4295	24 1	372
Industrial FUEL					
BITUMINOUS COAL					
AREA SOURCES	421	369	61	4	8
RESIDUAL OIL					
AREA SOURCES	171	1169	447	22	1
POINT SOURCES	346	3187	1313	66	8 8
DISTILLATE OIL					
AREA SOURCES	13	36	51	3	0
NATURAL GAS					
AREA SOURCES	9	0	87	19	0
LIQUID PETROL GAS					
POINT SOURCES	2	0	12	0	2
TOTAL (INDUSTRIAL)					
AREA SOURCES	613	1574	646	48	10
POINT SOURCES	348	3197	1325	66	89
COMM-INSTITUTIONAL FUEL					
RESIDUAL OIL					
AREA SOURCES	159	1083	414	2A	1
POINT SOURCES	9	28	22	1	1

Table 17-54a (cont.)

AREA SOURCES	11	0	80	2	12
AREA SOURCES	280	1397	913	48	49
POINT SOURCES	9	28	22	1	1
AREA SOURCES	1203	4111	1727	109	511
POINT SOURCES	1709	22728	5443	308	463
INDUSTRIAL FUEL					
DISTILLATE OIL	12	13	76	0	0
DIESEL FUEL	3	5	75	8	40
TOTAL (INDUSTRIAL)	15	18	151	8	46
POINT SOURCES	1817	22756	5793	316	508
MINERAL PRODUCTS	2000	0	0	0	0
TOTAL (INDUSTRIAL)	2077	10	2	206	66
OPEN BURNING	17	1	6	36	89
AREA SOURCES	2	0	0	1	3
AREA SOURCES	6	0	2	12	36
INDUSTRIAL					
TOTAL (INDUSTRIAL) POINT SOURCES	2	0	0	0	0

Table 17-54a (cont.)

AREA SOURCES	37	2	9	92	249
POINT SOURCES	2	0	0	0	0
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
LIGHT VEHICLES	336	202	4814	10075	53736
HEAVY VEHICLES	28	17	940	1881	7664
OFF HIGHWAY	3	2	77	242	1324
TOTAL (GASOLINE)	368	221	5831	12198	62724
HEAVY VEHICLES	34	68	959	96	564
OFF HIGHWAY	10	20	272	27	165
RAIL	19	51	58	38	54
TOTAL (DEISEL)	63	138	1289	162	784
DIESEL FUEL	4	11	12	8	12
RESIDUAL OIL	10	43	26	1	0
TOTAL (VESSELS)	14	54	38	10	12
GAS HANDLING EVAP LOSS	0	0	0	891	0
TOTAL (TRANSPORTATION)	444	412	7159	13261	63519
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	1150	0
TOTAL (MISCELLANEOUS)	0	0	0	1150	0
GRAND TOTAL					
**********					
AREA SOURCES	1684	4526	9094	14687	64010
POINT SOURCES	3896	22766	5795	522	574
TOTAL	5580	27292	14890	15208	64584

Table 17-54b

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT — RUN DATE: APRIL 23, 1974

MIDDLESEX COUNTY, CONNECTICUT — EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATE TONS / YR	Sox TONS / YR	NOX TONS / YR	HC TONS / YR	co TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	2	6	1	1	22
DISTILLATE OIL	148	630	177	44	74
NATURAL GAS	3	0	7	1	3
WOOD	10	0	4	1	1
TOTAL (RESIDENTIAL)	163	636	189	47	99
ELEC GENERATION (POINT)					
RESIDUAL OIL	488	13700	6779	179	268
TOTAL (ELEC GEN)	488	13700	6779	179	268
INDUSTRIAL FUEL					
BITUMINOUS COAL					
AREA SOURCES	187	164	27	2	4
RESIDUAL OIL					
AREA SOURCES	76	519	198	10	1
POINT SOURCES	64	391	166	8	11
DISTILLATE OIL					
AREA SOURCES	6	16	23	1	0
NATURAL GAS					
AREA SOURCES	4	0	39	9	0
TOTAL (INDUSTRIAL)					
AREA SOURCES	272	699	287	21	4
POINT SOURCES	64	391	166	8	11
COMM-INSTITUTIONAL FUEL					
RESIDUAL OIL					
AREA SOURCES	79	542	207	10	1
POINT SOURCES	26	87	67	3	4
DISTILLATE OIL					
AREA SOURCES	55	157	221	11	1
NATURAL GAS					
AREA SOURCES	6	0	30	2	6

Table 17-54b (cont.)

TOTAL (COMM-INST)					
AREA SOURCES	140	699	458	24	7
TOTAL (EXTERNAL COMB)					
AREA SOURCES	575	2034	9 3 3	92	111
POINT SOURCES	578	14179	7012	190	283
INTERNAL COMBUSTION (POINT)					
DISTILLATE OIL	3	7	57	0	0
TOTAL (INDUSTRIAL)	8	7	57	0	0
TOTAL (INTERNAL COMB)	8	7	57	0	0
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	575	2034	933	92	111
POINT SOURCES	586	14185	7069	190	283
INDUSTRIAL PROCESS (POINT)					
********** ******					
PRIMARY METAL	21	0	0	0	0
MINERAL PRODUCTS	7	0	0	0	0
EVAPORATION	0	0	0	176	0
OTHER/NOT CLASSIFIED	1	0	0	0	0
TOTAL (INDUSTRIAL)	29	0	0	176	0
S0110 WASTE DISPOSAL					
**********					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	6	0	0	21	64
OPEN BURNING	9	1	3	19	47
TOTAL (RESIDENTIAL)	15	1	4	40	111
COMMERCIAL-INSTITUTIONAL					
ONSITE INCINERATION					
AREA SOURCES	1	0	0	0	1
TOTAL (COMM-INST)					
AREA SOURCES	4	0	1	7	18
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	19	1	5	47	129
TRANSPORTATION (AREA)					
**********					
LIGHT VEHICLES	184	111	2642	5407	28141

Table 17-54b(cont.)

HEAVY VEHICLES	15	9	516	100 1	4015
OFF HIGHWAY'	2	1	39	1 2 1	6 6 4
TOTAL (GAS OLINE)	202	121	3197	6529	'32820
DIESEL					
HEAVY VEHICLES	19	37	530	53	312
oFF HIGHWAY	5	10	137	14	83
RAIL	10	25	29	19	27
TOTAL (DEISEL)	33	72	696	86	422
VESSELS					
DIESELFUEL	3	7	8	5	8
TOTAL (VESSELS)	3	7	8	5	8
GAS" HANDLING EVAP LOSS	o	0	0	489	0
TOTAL .....(TRANSPORTATION)	237	201	3901	7110	33249
MISCELLANEOUS (AREA)					
SOLVENT EVAPORATION LOSS	0	0	0	575	0 "
TOTAL (MISCELLANEOUS)	0	0	0	575	0
GRAND TOTAL					
AREA SOURCES	832	2235	4939	7825	33490
POINT SOURCES	614	14185	7069	366	283
TOTAL	1446	16420	11908	8191	33773

Table 17-54c

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

NEW HAVEN COUNTY, CONNECTICUT

RUN DATE: APRIL 23, 1974

EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
ANTHRACITE COAL	15	48	6	5	171
DISTILLATE OIL	823	3507	988	247	412
NATURAL GAS	85	3	225	36	90
WOOD	11	0	4	1	1
TOTAL (RESIDENTIAL)	939	3558	1223	289	674
ANTHRACITE COAL	1456	11586	1768	3	113
RESIDUAL OIL	666	17721	7414	239	354
DISTILLATE OIL	1	32	90	2	3
NATURAL GAS	16	1	250	1	19
TOTAL (ELEC GEN)	2139	29340	9523	246	489
BITUMINOUS COAL					
AREA SOURCES	1538	1393	229	15	31
RESIDUAL OIL					
AREA SOURCES	647	4415	1687	84	6
POINT SOURCES	344	2150	934	47	62
DISTILLATE OIL					
AREA SOURCES	48	137	193	10	1
NATURAL GAS					
AREA SOURCES	33	1	331	74	1
POINT SOURCES	10	0	71	2	10
TOTAL (INDUSTRIAL)					
AREA SOURCES	2316	5946	2440	183	38
POINT SOURCES	355	2150	1005	48	72
COMM-INSTITUTIONAL FUEL					
RESIDUAL OIL					
AREA SOURCES	513	3505	1339	67	4
POINT SOURCES	104	684	270	14	18

Table 17-54c (cont.)

DISTILLATE OIL					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NATURAL GAS					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
AREA SOURCES	907	4526	2061	154	48
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
AREA SOURCES	4162	14023	6624	625	759
POINT SOURCES	2598	32175	10799	308	579
[illegible]					
DISTILLATE OIL	40	21	30	0	0
[illegible]					
TOTAL (FUEL COMBUSTION)					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
PRIMARY METAL	81	0	0	0	0
MINERAL PRODUCTS	120	0	0	0	0
EVAPORATION	0	0	0	1330	0
OTHER/NOT CLASSIFIED	1125	2	144	2647	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL (PROCESS WT.)	97	1	33	266	707
COMMERCIAL INSTITUTIONAL					
ON SITE INCINERATION					
AREA SOURCES	3	1	1	1	1
OPEN BURNING					
[illegible]					
TOTAL (COMM_INST.)					
AREA SOURCES	69	6	0	11	491
[illegible]					
ON SITE INCINERATION					
POINT SOURCES	3	1303	0	0	0
TOTAL (INDUSTRIAL)					

Table 17-54c (cont.)

TOTAL(SOLID WASTE DISP)

AREA SOURCES	120	6	30	299	814
POINT SOURCES	I	1293	0	0	0

TRANSPORTATION (AREA)
****

GASOLINE

LIGHT VEHICLES	1161	697	16643	37156	211326
HEAVY VEHICLES	98	59	3251	7088	30106
OFF HIGHWAY	11	7	249	782	4287
TOTAL (GASOLINE)	1270	762	20143	45026	245720

DIESEL

HEAVY VEHICLES	117	734	3317	332	1951
OFF HIGHWAY	31	64	881	89	535
RAIL	62	162	187	125	175
TOTAL (DEISEL)	210	461	4385	545	2661

AIRCRAFT

MILITARY	15	3	7	35	37
CIVIL	24	5	22	106	605
COMMERCIAL	24	5	15	57	135
TOTAL (AIRCRAFT)	63	13	44	128	777

VESSELS

DIESEL FUEL	11	29	33	22	31
RESIDUAL OIL	22	94	57	3	0
TOTAL (VESSELS)	33	123	90	25	31

GAS HANDLING EVAPLOSS	0	0	0	3081	0
TOTAL (TRANSPORTATION)	1570	1359	24661	48874	249189

MISCELLANEOUS (AREA)
****

SOLVENT EVAPORATION LOSS	0	0	0	7450	0
TOTAL (MISCELLANEOUS)	0	0	0	7450	0

GRAND TOTAL
*******4***

AREA SOURCES	5858	15388	31315	57248	250763
POINT SOURCES	3994	33491	11078	5259	579
TOTAL	9853	48879	42394	62507	251342

Table 17-54d

ENVIRONMENTAL PROTECTION AGENCY
****

	PARTICULATES ********** TONS / YR	SOX ********** TONS / YR	NOX ********** TONS / YR	HC ********** TONS / YR	CO ********** TONS / YR
EXTERNAL COMBUSTION					
DISTILLATE OIL	888	3697	1041	200	727
WOOD	11	0	4	1	1
				308	744
				57	101
RESIDUAL OIL	611	21647	10597	429	843
NATURAL GAS	0	0	1	0	1
TOTAL (FUEL COMB.)			13840	487	836
AREA SOURCES	731	4993	1908	93	8
DISTILLATE OIL				10	24
NATURAL GAS					
POINT SOURCES	2	0	10	0	2
POIN					
AREA SOURCES	2619	6723	2759	207	76

Table 17-54d (cont.)

AREA SOURCES	546	3736	1426	71	5
DISTILLATE OIL					
AREA SOURCES	381	1081	1522	76	5
NATURAL GAS					
AREA SOURCES	39	1	206	16	41
TOTAL (COMM-INST)					
AREA SOURCES	966	4812	3154	164	51
TOTAL (EXTERNAL COMB)					
AREA SOURCES	4584	15294	7219	678	837
POINT SOURCES	5325	41116	14239	506	863
INTERNAL COMBUSTION (POINT)					
ELECTRIC GENERATION					
DISTILLATE OIL	45	38	318	0	0
TOTAL (ELEC GEN)	45	38	318	0	0
INDUSTRIAL FUEL					
DISTILLATE OIL	16	21	251	18	112
TOTAL (INDUSTRIAL)	16	21	251	18	112
TOTAL (INTERNAL COMB)	61	59	569	18	112
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	4584	15294	7219	678	837
POINT SOURCES	5386	41175	14809	524	975
INDUSTRIAL PROCESS (PCINT)					
**********					
FOOD/AGRICULTURAL	3	0	0	0	0
PRIMARY METAL	5	0	0	0	0
MINERAL PRODUCTS	19	0	0	0	0
EVAPORATION	231	0	0	1114	0
OTHER/NOT CLASSIFIED	203	0	0	2200	0
TOTAL (INDUSTRIAL)	461	0	0	331*	0
SOLID WASTE DISPOSAL					
**********					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	44	1	1	147	441
OPEN BURNING	59	4	22	126	314
TOTAL (RESIDENTIAL)	103	4	24	273	755
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
AREA SOURCES	6	1	1	5	10
POINT SOURCES	6	0	0	0	0
OPEN BURNING					
AREA SOURCES	20	1	7	42	106
TOTAL (COMM-INST)					
AREA SOURCES	26	2	8	47	116
POINT SOURCES	6	0	0	0	

Table 17-54d (cont.)

[illegible]	120	4	32	320	972
TRANSPORTATION (MOBILE)					
[illegible]					
[illegible]					
[illegible]					
HEAVY VEHICLES	444	91	[illegible]	[illegible]	[illegible]
[illegible]	12	2	928	833	2643
DIESEL					
HEAVY VEHICLES	133	207	5776	516	2221
[illegible]	21	20	810	82	671
RAIL	66	173	199	133	100
[illegible]	222	588	1815	452	2078
[illegible]					
MILITARY	15	3	7	36	37
CIVIL	23	5	21	102	283
TOTAL (AIRCRAFT)	89	19	91	644	321
VESSELS					
DIESEL FUEL	0	12	21	22	22
[illegible]	0	0	0	1	0
TOTAL (VESSELS)	15	78	31	23	22
GAS HANDLING EVAP LOSS	0	0	0	3507	0
TOTAL (TRANSPORTATION)	1760	1437	27910	55531	283183
MISCELLANEOUS (AREA)					
[illegible]	0	0	0	7030	0
TOTAL (MISCELLANEOUS)	0	0	0	7030	0
GRAND TOTAL					
AREA SOURCES	6476	16150	13506	7102	28
POINT SOURCES	5863	41176	14809	3838	975
TOTAL	12325	57912	49970	66290	283861

Table 17-55a

NATIONAL EMISSIONS DATA SYSTEM
****
ENVIRONMENTAL PROTECTION AGENCY
****

COUNTY EMISSIONS REPORT
SUFFOLK COUNTY, NEW YORK

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOx TONS / YR	NOx TONS / YR	HC TONS / YR	CO TONS / YR
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	18	45	5	4	162
DISTILLATE OIL	1890	13420	2268	567	945
RESIDUAL OIL	329	2249	572	43	3
NATURAL GAS	659	21	1735	278	694
WOOD	7	0	3	1	1
TOTAL (RESIDENTIAL)	2903	15730	4583	893	1804
COMM-INSTITUTIONAL FUEL					
RESIDUAL OIL AREA SOURCES	1339	9131	3492	175	12
DISTILLATE OIL AREA SOURCES	178	845	714	36	2
NATURAL GAS AREA SOURCES	34	1	177	14	35
TOTAL (COMM-INST) AREA SOURCES	55	9984	4384	225	50
TOTAL (EXTERNAL COMB) AREA SOURCES	4454	25714	8967	1117	1854
TOTAL (FUEL COMBUSTION) AREA SOURCES	4454	25714	8967	1117	1854
**********					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	1485	25	49	4950	14850
OPEN BURNING	612	38	229	1300	3251
TOTAL (RESIDENTIAL)	2097	63	279	6250	18101
COMMERCIAL-INSTITUTIONAL					

Table 17-55a (cont.)

ON SITE INCINERATION					
TOTAL (COMMERCIAL)					
AREA SOURCES	393	27	107	593	1374
ON SITE INCINERATION					
AREA SOURCES	1577	197	263	1314	2628
[illegible]					
AREA SOURCES	1091	66	594	2634	5584
[illegible]					
TOTAL SOLID WASTE DISP.					
AREA SOURCES	5118	363	1043	10381	27689
[illegible]					
LAND VEHICLES					
DIESEL					
LIGHT VEHICLES	3561	627	22374	48852	284100
HEAVY VEHICLES	646	121	4033	13347	65360
PETROL					
HEAVY VEHICLES	115	230	3252	326	1913
TOTAL VEHICLES	4322	978	29659	62525	351373
AIRCRAFT					
MILITARY	0	1	5	11	25
CIVIL	53	11	48	236	1349
COMMERCIAL	43	9	27	102	243
TOTAL AIRCRAFT	102	21	78	352	1606
VESSELS					
[illegible]	10	27	31	30	32
RESIDUAL OIL	7	18	11	8	7
TOTAL VESSELS	6	46	42	21	39
TOTAL (TRANSPORTATION)	3004	1259	33900	70474	352973
MISCELLANEOUS (AREA)					
SOLVENT EVAPORATION USED	0	0	0	11250	0
TOTAL (MISCELLANEOUS)	0	0	0	13240	0

Table 17-55a(cont.)

AREA SOURCES	11576	2 7 4 3 6	42810	99241	382516
TOTAL	11576	27436	42810	99241	382516

Table 17-55b

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

NASSAU COUNTY, NEW YORK

RUN DATE: APRIL 23, 1974

EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	28	71	9	7	255
DISTILLATE OIL	2195	15588	2635	659	1098
RESIDUAL OIL	345	2352	599	45	3
NATURAL GAS	147	5	386	62	154
TOTAL (RESIDENTIAL)	2715	18016	3628	772	1510
INDUSTRIAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	5	18	10	0	1
RESIDUAL OIL					
AREA SOURCES	5179	35354	13511	676	45
DISTILLATE OIL					
AREA SOURCES	819	3879	3278	164	11
NATURAL GAS					
AREA SOURCES	26	1	264	59	1
TOTAL (INDUSTRIAL)					
AREA SOURCES	6031	39252	17063	898	58
COMM-INSTITUTIONAL FUEL					
RESIDUAL OIL					
AREA SOURCES	2742	18716	7153	358	24
DISTILLATE OIL					
AREA SOURCES	366	1731	1462	73	5
NATURAL GAS					
AREA SOURCES	69	2	363	29	73
TOTAL (COMM-INST)					
AREA SOURCES	3177	20449	8979	460	101
TOTAL (EXTERNAL COMB)					
AREA SOURCES	11922	77716	29669	2130	1669
TOTAL (FUEL COMBUSTION)					

Table 17-55b (cont.)

AREA SOURCES	11922	77716	29669	2130	1669
SOLID WASTE DISPOSAL					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	1887	31	63	6289	18868
OPEN BURNING	777	49	291	1651	4127
TOTAL (RESIDENTIAL)	2664	80	354	7940	22995
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION AREA SOURCES	248	31	41	207	414
OPEN BURNING AREA SOURCES	251	16	94	534	1334
TOTAL (COMM-INST) AREA SOURCES	500	47	136	741	1748
ONSITE INCINERATION AREA SOURCES	2252	281	375	1876	3753
OPEN BURNING AREA SOURCES	1501	94	563	3189	7973
TOTAL (INDUSTRIAL) AREA SOURCES	3753	375	938	5066	11726
TOTAL (SOLIDWASTEDISP) AREA SOURCES	6916	502	1428	13747	36470
TRANSPOGTATIOV (AREA)					
LAND VEHICLES					
LIGHT VEHICLES	2358	1415	33803	77040	446515
HEAVY VEHICLES	278	167	9259	20741	89166
TOTAL (GASCLINE)	2636	1582	43(.)62	97780	535681
DIESEL					
HEAVY VEHICLES	173	347	4913	491	2890
TOTAL (DEISEL)	173	347	4913	491	2890
GAS HANCLING EVAPLOSS	c	o	0	6715	0
TOTAL (TRANSPORTATION)	2810	1928	47975	104986	538571
MISCELLANEOUS (AREA)					
SOLVENT EVAPORATIONLOSS	n	o	0	21920	0
TOTAL (MISCELLANEOUS)	u	0	0	21920	0
GRANC TOTAL					
AREA SOURCES	21647	80147	79073	142783	576710
TOTAL	21647	80<147	79073	142783	576710

Table 17-55<

NATIONAL EMISSIONS DATA SYSTEM

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

WESTCHESTER COUNTY, NEW YORK

EMISSIONS AS OF - MARCH 24, 1974

	********** TONS / YR	********** TONS / YR	********** TONS / YR	********** TONS / YR	********** TONS / YR
**********					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL USAGE					
RES OIL OIL	308	2104	535	40	3
NATURAL GAS	141	4	371	39	149
TOTAL (RESIDENTIAL)	1072	6289	1610	283	852
COMMERCIAL-INSTL					
AREA SOURCES	9	29	11	0	6
AREA SOURCES	467	3110	1102	60	4
INDUSTRIAL FUEL USAGE					
AREA SOURCES	756	3574	3020	161	9
NATURAL GAS					
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL (COMM-INSTL)					
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOLID WASTE DISPOSAL **********					
RESIDENTIAL (AREA)					
TOTAL (RESIDENTIAL)	1666	50	222	4967	16386

COMMERCIAL-INSTITUTIONAL					
AREA SOURCES	155	19	26	129	259
OPEN BURNING					
AREA SOURCES	158	10	59	335	837
TOTAL (COMM-INST)					
AREA SOURCES	313	29	85	464	1096
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	470	59	7a	391	783
OPEN BURNING					
AREA SOURCES	313	20	117	665	1662
TOTAL (INDUSTRIAL)					
AREA SOURCES	783	7a	196	1056	2445
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	2762	158	502	6488	17925
TRANSPORTATION (AREA)					
**********					
GASOLINE					
LIGHT VEHICLES	131 0	786	18776	37552	190381
HEAVY VEHICLES	178	107	5920	11130	43869
OFF HIGHWAY	135	84	2970	9330	51124
TOTAL (GASOLINE)	1623	97-I	27666	58013	285373
DIESEL					
HEAVY VEHICLES	96	193	2729	273	1605
OFF HIGHWAY	49	102	1402	140	853
TOTAL (DEISEL)	146	295	4131	413	2458
AIRCRAFT					
MILITARY	39	7	19	90	97
CIVIL	3f	7	32	158	901
COMMERCIAL	32	7	.20	77	183
TOTAL (AIRCRAFT)	106	22	71	325	1181
VESSELS					
DIESEL FUEL	3	9	10	7	9
TOTAL (VESSELS)	3	9	10	7	9
TOTAL (TRANSPORTATION)	1878	1302	31878	58758	289022
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	9253	0
TOTAL (MISCELLANEOUS)	0	0	0	9253	0
GRAND TOTAL					
**********					
AREA SOURCES	6960	14471	38358	75Q4	307849
TOTAL	6960	14471	33358	75004	307849

Table 17-55d

NATIONAL EMISSIONS DATA SYSTEM

****

**********	**********	**********	**********	**********	
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	2	6	1	0	
RESIDUAL OIL					
AREA SOURCES	12	85	32	2	0
DISTILLATE OIL					
AREA SOURCES	26	125	104	5	0
TOTAL FUEL AREA					
AREA SOURCES	65	212	273	18	28
TOTAL (EXTERNAL COMB)					
RESIDENTIAL (AREA)					
TOTAL (RESIDENTIAL)	428	13	57	1277	3499
COMMERCIAL INSTITUTIONAL					

Table 17-55d (cont.

OPEN BURNING					
AREA SOURCES	362	45	80		
AREA SOURCES					
AREA SOURCES					
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	1113	81			
TRANSPORTATION (AREA)					
TOTAL (DIESEL	23	46			
VESSELS					
**********					
GRAND TOTAL					
TOTAL	1696	912			

Table 17-55e

NATIONAL EMISSIONS DATA SYSTEM
****
ENVIRONMENTAL PROTECTION AGENCY
****

COUNTY EMISSIONS REPORT
****
BRONX COUNTY, NEW YORK

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES ********** TONS / YR	SOX ********** TONS / YR	NOX ********** TONS / YR	HC ********** TONS / YR	CO ********** TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	331	835	99	8 3	2982
BITUMINOUS COAL	15	72	2	15	68
DISTILLATE OIL	698	4953	837	209	349
RESIDUAL OIL	1985	13547	3451	259	17
NATURAL GAS	78	2	204	33	82
TOTAL (RESIDENTIAL)	3106	19409	4594	599	3498
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL AREA SOURCES	91	303	114	2	68
BITUMINOUS COAL AREA SOURCES	309	338	33	7	26
RESIDUAL OIL AREA SOURCES	986	6729	2572	129	.9
DISTILLATE OIL AREA SOURCES	234	1108	93b	41	3
NATURAL GAS AREA SOURCES	33	1	173	1-4	35
TOTAL (COMM-INST) AREA SOURCES	1653	8479	3828	199	140
TOTAL (EXTERNAL COMB) AREA SOURCES	4-759	27887	8422	79-I	3638
TOTAL (FUEL COMBUSTION) AREA SOURCES	.4759	27887	8422	797	3438
SOLID WASTE DISPOSAL **********					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	1942	32	65	6472	19417

Table 17-55e (cont.)

OPEN BURNING	800	50	300	1700	.4250
TOTAL (RESIDENTIAL)	2742	d2	365	8172	23667
COMMERCIAL-INSTITU710NAL					
ON SITE INCINERATION					
ARI A E SOURCES	256	32	43	213	426
OPEN BURNING					
AREA SOURCES	258	16	97	549	1373
TOTAL (COMM-INST)					
AREA SOURCES	514	48	139	762	1799
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	2320	290	387	1933	3866
OPEN BURNING					
AREA SOURCES	1546	97	580	3286	8215
TOTAL (INDUSTRIAL)					
AREA SOURCES	3866	387	966	5219	12081
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	7122	517	1471	14154	37547
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	864	518	12381	28217	163543
HEAVY vEHICLES	117	70	3904	8745	37594
TOTAL (GASOLINE)	981	501	16285	36961	201137
HEAVY VEHICLES	64	127	1800	180	1059
TOTAL (DEISEL)	64	127	1800	180	1059
VESSELS					
DIESEL FUEL	17	45	51	34	48
TOTAL (VESSELS)	17	45	51	34	48
GAS HANDLING EVAP LOSS	0	c	0	2459	0
TOTAL (TRANSPORTATION)	1.62	760	18136	39635	202243
MISCELLANEOUS (AREA)					
**********					
SOLVEAT EVAPORATION LOSS	0	0	0	22580	0
TOTAL (MISCELLANEOUS)	0	0	0	22580	0
GRAND TOTAL					
**********					
AREA SOURCES	12943	29164	28029	77166	.24342.9
TOTAL	12943	29164	28029	77166	243429

Table 17-55f

NATIONAL EMISSIONS DATA SYSTEM
****

ENVIRONMENTAL PROTECTION AGENCY
****

COUNTY EMISSIONS REPORT
****
KINGS COUNTY, NEW YORK

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	399	1004	120	100	3587
BITUMINOUS COAL	9	44	1	9	41
DISTILLATE OIL	1246	8843	1495	374	623
RESIDUAL OIL	1997	13633	3473	261	17
NATURAL GAS	320	10	841	135	336
WOOD	7	0	3	1	1
TOTAL (RESIDENTIAL)	3978	23535	5933	878	4606
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	72	238	90	2	54
BITUMINOUS COAL					
AREA SOURCES	268	292	28	6	22
RESIDUAL OIL					
AREA SOURCES	691	4720	1804	90	6
DISTILLATE OIL					
AREA SOURCES	495	2344	1981	99	7
NATURAL GAS					
AREA SOURCES	142	4	748	60	150
TOTAL (COMM-INST)					
AREA SOURCES	1668	7599	4651	257	238
TOTAL (EXTERNAL COMB)					
AREA SOURCES	5646	31134	10584	1135	4844
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	5646	31134	10584	1135	4844
SOLID WASTE DISPOSAL					
RESIDENTIAL (AREA)					

Table 17-55f (cont.)

ON SITE INCINERAT ION	3435	57	114	11449	34347
OPEN BURNING	1415	8 8	531	3007	7518
TOTAL (RESIDENTIAL)	4850	146	645	14456	41865 "-"
COMMERCIAL-I NSTITUTI ONAL					
ON SITE INCINERATION					
AREA SOURCES	452	57	75	377	15-4
OPEN BURNING					
AQEA SOURCES	458	29	172	972	2431
TOTAL (COMM-INST)					
AREA SOURCES	910	85	247	1349	'3185
ON SITE INCINERATION					
AREA SOURCES	4103	513	684	3419	*6838*
OPEN BURNING					
AREA SOURCES	2 7 3 5	171	1026	5812	1453
TOTAL (INDUSTRIAL)					
AREA SOURCES	6838	684	1709	9231	21369
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	12598	915	2602	25037	66419
TRANSPORTATION (AREA)					
**********					
LIGHT VEHICLES	1694	1016	2427'3	55335	320715
HEAVY VEHICLES	230	138	7655	1 7 1 4 8	73722
TOTAL (GASOLINE)	1924	1154	31935	72483	394437
HEAVY VEHICLES	125	249	3529	353	2076
TOTAL (DEISEL)	125	249	3529	353	2076
MILITARY	4	1	2	9	10
CIVIL	a	2	7	36	205
COMMERCIAL	1734	384	1085	4161	9868
TOTAL (AIRCRAFTI	1746	386	1094	4206	*10083*
DIESEL FUEL	143	372	430	286	4 0 1
RESIDUAL OIL	408	1776	1066	53	4
TOTAL (VESSELS)	5 5 2	2148	1495	340	405
GAS HANDLING EVAP LOSS	0	0	0	4823	0
TOTAL (TRANSPORTATION)	4345	3938	38053	82204	407000
MISCELLANEOUS [AREA)					
**********					

Table 17-55f (c o n t .)

SOLVENT EVAPORATION LOSS	0	0	0	39941	0
TOTAL (MISCELLANEOUS)	0	0	0	39941	0

GRAND TOTAL
****

AREA SOURCES	22589	35937	51239	148317	478263
TOTAL	22589	35937	51239	148317	478263

Table 17-55g

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

NEW YORK COUNTY, NEW YORK

EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	483	1216	145	121	4343
BITUMINOUS COAL	21	102	3	21	97
DISTILLATE OIL	367	2604	440	110	183
RESIDUAL OIL	2676	18267	4654	349	23
NATURAL GAS	58	2	151	24	61
WOOD	9	0	3	1	1
TOTAL (RESIDENTIAL)	3613	22191	5397	626	4708
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL					
AREA SOURCES	55	181	68	1	41
BITUMINOUS COAL					
AREA SOURCES	308	337	33	7	26
RESIDUAL OIL					
AREA SOURCES	2734	18659	7131	357	24
DISTILLATE OIL					
AREA SOURCES	432	2353	1988	99	7
NATURAL GAS					
AREA SOURCES	73	2	384	31	77
TOTAL (COMM-INST)					
AREA SOURCES	3667	21532	9604	495	174
TOTAL(EXTERNAL COMB)					
AREA SOURCES	7280	43723	15001	1121	4882
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	7280	43723	15001	1121	4882
SOLID WASTE DISPOSAL					
RESIDENTIAL (AREA)					

Table 17-55g cont.)

ON SITE INCINERATION	2030	34	68	6767	20301
OPEN BURNING	837	52	314	1778	4445
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
COMMERCIAL-INSTITUTIONAL					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	206	33	43	229	[illegible]
[illegible]	[illegible]				
AREA SOURCES	330	30	[illegible]	[illegible]	[illegible]
INDUSTRIAL					
ON SITE INCINERATION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AREA SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OPEN BURNING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL (INDUSTRIAL)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LAND VEHICLES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GASOLINE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LIGHT VEHICLES	890	414	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL (GASOLINE)	783	470	[illegible]	[illegible]	[illegible]
DIESEL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]

Table 17-55h

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

QUEENS COUNTY, NEW YORK

RUN DATE: APRIL 23, 1974

EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	103	260	31	26	929
BITUMINOUS COAL	6	27	1	6	26
DISTILLATE OIL	1459	10358	1 - n	438	729
RESIDUAL OIL	887	6055	1543	116	8
NATURAL GAS	? 28	7	600	96	240
TOTAL (RESIDENTIAL)	2683	167(J7	3924	681	1932
COMM-INSTITUTIONAL FUEL					
ANTHRACITE COAL AREA SOURCES	69	23g	87	2	52
BITUMINOUS COAL AREA SOURCES	177	193	19	4	15
RESIDUAL OIL AREA SOURCES	1007	6877	2528	131	9
DISTILLATE OIL AREA SOURCES	236	1 1 1 5	943	47	3
NATURAL GAS AREA SOURCES	86	3	451	36	90
TOTAL (COMM-INST) AREA SOURCES	1 5 7 5	8418	4127	220	169
TOTAL (EXTERNAL COMB) AREA SOURCES	4258	25125	8053	9 0 1	2101
AREA SOURCES	4258	25125	8053	901	2101
SOLID WASTE DISPOSAL					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	2622	44	87	8730	26215

Table 17-55h (cont

TOTAL (RESIDENTIAL)	3702	111	[illegible]	[illegible]	[illegible]
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION		[illegible]	[illegible]	288	574
OPEN BURNING				[illegible]	[illegible]
TOTAL (COMM-INST)					
AREA SOURCES	3131	391	522	2809	[illegible]
AREA SOURCES	2088	[illegible]	[illegible]		
AREA SOURCES	5219	522	1305	[illegible]	[illegible]
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	9616	698	1986	19111	50698
TRANSPORTATION (AREA)					
LIGHT VEHICLES	2042	1225	29264	66695	386557
HEAVY VEHICLES	277	166	9227	20669	88857
TOTAL (GASOLINE)	2318	[illegible]	[illegible]	[illegible]	[illegible]
AIRCRAF					
MILITARY	3	1	[illegible]	[illegible]	[illegible]
COMMERCIAL	[illegible]	[illegible]	[illegible]	[illegible]	7419
					[illegible]
TOTAL (TRANSPORTATION)	3684	1836	40199	96451	483553

****

Table 17-55h (cont.)

SOLVENT EVAPORATION LOSS	0	0	0	30485	0
TOTAL (MISCELLANEOUS)	0	0	0	30485	0

GRAND TOTAL
****

AREA SOURCES	17558	27660	50238	146949	536351
T O T A L	17559	27660	50238	146949	536351

Table 17-55i

ENVIRONMENTAL PROTECTION AGENCY

RUN DATE: APRIL 23, 1974

EMISSIONS AS OF: MARCH 1?, 1?7?

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	CO TONS / YR	HC TONS / YR
FUEL COMBUSTION					
					143
BITUMINOUS COAL	1	9	9	1	1
WOOD	2	[illegible]	[illegible]	88	297
AREA SOURCES	11	91	47	5	-
AREA SOURCES	-	-			
AREA SOURCES	19		98	8	20
TOTAL AREA SOURCES	90	367	327	19	29
TOTAL (EXTERNAL COMB) AREA SOURCES	445	2336	890	108	326
			-	[illegible]	326
RESIDENTIAL (AREA)					
ON SITE INCINERATION	389	6	13	1298	3894

Table 17-55i (cont.)

TOTAL (RESIDENTIAL)	550	17	73	1640	4?48
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
AREA SOURCES	5i	6	8	4.2	85
OPEN BURNING					
AREA SOURCES	52	3	19	110	276
TOTAL (COMM-INST)					
AREA SOURCES	103	‹0	28	153	361
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	465	58	77	387	775
OPEN BURNING					
AREA SOURCES	3 1 0	19	116	660	1649
TOTAL (INDUSTRIAL)					
AREA SOURCES	775	78	194	1 0 4 7	2424
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	1429	104	295	2840	7533
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	314	188	4502	10261	59470
HEAVY VEHICLES	43	26	i420	3180	13670
TOTAL (GASOLINE)	3 5 7 "	214	5922	13441	73141
DIESEL					
HEAVY VEHICLES	23	46	654	65	385
TOTAL (DEISEL)	23	46	654	65	385
VESSELS					
DIESEL FUEL	133	347	400	267	373
RESIDUAL OIL	408	i776	1066	53	4
TOTAL (VESSELS)	542	2123	1466	320	377
GAS HANDLING EVAPLOSS	o	0	0	895	0
TOTAL (TRANSPORTATION)	922	2383	8042	i4721	73902
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVSPORATION LOSS	0	0	0	1578	0
TOTAL (MISCELLANEOUS)	0	0	0	1578	0
GRAND TOTAL					
**********					
AREA SOURCES	2795	4823	9227	19246	81762
TOTAL	2795	4823	9227	19246	81762

Table 11-66a

NATIONAL EMISSIONS DATA SYSTEM

****

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 22, 1974

BERGEN COUNTY, NEW JERSEY

	********** TONS / YR	********** TONS / YR	********** TONS / YR	********** TONS / YR	********** TONS / YR
**********					
[illegible]					
[illegible]					
NATURAL GAS	159	5	417	27	124
TOTAL (RESIDENTIAL)	659	3251	958	213	928
ELEC GENERATION (POINT)					
BITUMINOUS COAL	3422	36501	13722	127	457
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NATURAL GAS	2	9	2151	4	23
TOTAL [illegible]	[illegible]	[illegible]	[illegible]	149	523
[illegible]					
AREA SOURCES	278	90	36	9	5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S	97	460	389	19	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 17-56a (cont.)

ANTHRAC					
POINT					
RESIDUAL OIL					
AREA SOURCES					
DISTILLATE OIL					
AREA SOURCES	26				
POINT SOURCES	3	35	--	---	42
POINT SOURCES	4417 4	2563	4695	238	32
TOTAL (EXTERNAL COMB)					
AREA SOURCES					
INTERNAL COMBUSTION					
ELECTRIC GENERATION					
NATURAL GAS	0				
TOTAL (ELEC GEN)	0				
TOTAL (INTERNAL					
TOTAL FUEL					
AREA SOURCES	4311	9949	6485	525	1008
POINT SOURCES	3920	30226			
INDUSTRIAL PROCESS (POINT)					
**********					
CHEMICAL MANUFACTURIN					
FOOD/AGRICULTURAL					
SECONDARY METALS					
EVAPORATION					
TOTAL (INDUSTRIAL)					
**********					
RESIDENTIAL (AREA					
ON SITE INCINERATION	5357	89			
TOTAL (RESIDENTIAL)	5357	89			
ON SITE INCINER...ON					
AREA SOURCES	714				
TOTAL (COMM-INST)					
AREA SOURCES	714	89	119	595	----
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	1568	196	261	1307	2614
TOTAL (INDUSTRIAL)					
AREA SOURCES	1568	196	261	1307	2614

Table 17-56a (cont.)

TOTAL (SOLID WASTE DISP)					
AREA SOURCES	[illegible]	[illegible]			[illegible]
TRANSPORTATION (AREA)					
	[illegible]	[illegible]	30780	48.49	28307°
HEAVY VEHICLES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--				
DIESEL					
HEAVY VEHICLES	18 [illegible]	37 [illegible]	522 784	78	477
RAIL	[illegible]	[illegible]	[illegible]	[illegible]	917
TOTAL (DEISEL)					
				=	5
CIVIL	[illegible]			[illegible]	[illegible]
TOTAL (AI					
TOTAL (VESSELS)	[illegible]				
GAS HANDLING EVAP LOSS	0	0	0	5833	0
TOTAL (TRANSPORTATION)	1924	1710	27329	65273	332366
MISCELLANEOUS (AREA)					
**********					
	0		-	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
**********					
AREA SOURCES	11881	12034	34373	86704	[illegible]
POINT SOURCES					[illegible]
TOTAL	15902	50337	52038	[illegible]	[illegible]

Table 17-56b

NATIONAL EMISSIONS DATA SYSTEM
****

ENVIRONMENTAL PROTECTION AGENCY
****

COUNTY EMISSIONS REPORT
****

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

PASSAIC COUNTY, NEW JERSEY

	PARTICULATES ********** TONS / YR	SOX ********** TONS / YR	NOX ********** TONS / YR	HC ********** TONS / YR	CO ********** TONS / YR
FUEL COMBUSTION **********					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL - (AREA)					
ANTHRACITE COAL	80	203	24	20	724"
DISTILLATE OIL	452	3207	542	135	226
NATURAL GAS	92	3	243	39	97
WOOD	2	0	1	0	0
TOTAL (RESIDENTIAL)	627	3412	810	195	1047
RESIDUAL OIL	14	224	186	4	.5
DISTILLATE OIL	2	1	21	0	1
TOTAL (ELEC GEN)	16	225	207	4	6
INDUSTRIAL FUEL					
BITUMINOUS COAL					
AREA SOURCES	215	70	28	2	4
RESIDUAL OIL					
AREA SOURCES	66	454	173	9	1
POINT SOURCES	164	767	626	31	42
Distillate OIL					
AREA SOURCES	75	354	301	15	1
POINT SOURCES	1	3	4	0	0
NATURAL GAS					
AREA SOURCES	14	0	143	32	0
POINT SOURCES	0	0	1	0	0
TOTAL (INDUSTRIAL)					
AREA SOURCES	371	880	645	57	6
POINT SOURCES	165	770	631	32	42
COMM-INSTITUTIONAL FUEL					
RESIDUAL OIL					
AREA SOURCES	19	129	49	2	0
DISTILLATE OIL					
AREA SOURCES	619	2931	2476	124	8

Table 17-56b (cont.)

INT SOURCES

TOTAL (COMM-INST)					
AREA SOURCES	649			-	--
CES					
TOTAL (EXTERNAL COMB)					
POINT SOURCES	183				
AREA SOURCES	1647	7353	4038	303	1073
[illegible]	126	498	843	38	45
**********					
CHEMICAL MANUFACTURING	53	18	1	1	0
[illegible]	67	0	0	0	0
TOTAL (INDUSTRIAL)	120	19	0	1	0
SOLID WASTE DISPOSAL					
**********					
[illegible]					
MUNICIPAL INCINERATION	0	0	0	0	1
TOTAL (GOVERNMENT)	0	0	0	0	1
RESIDENTIAL (AREA)					
ON SITE INCINERATION	615	10	20	2050	6150
TOTAL (RESIDENTIAL)	615	10	20	2050	6150
COMMERCIAL-INSTITUTIONAL					
AREA SOURCES	82	10	14	68	137
[illegible]					
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	292	37	49	292	771
[illegible]	10	1	1	19	54
POINT SOURCES	10	1	4	19	54
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	992	57	83	3344	8778
POINT SOURCES	10	1	4	19	54
[illegible]					

Table 17-56b (cont.)

LAND VEHICLES

GASOLINE					
LIGHT VEHICLES	616	37U	8836	20318	118694
HEAVY VEHICLES	??	31	1726	3912	16902
OFF HIGHWAY	9	6	198	621	3404
TOTAL (GASOLINE)	677	407	10769	24851	139000
HEAVY VEHICLES	69	138	1948	195	1146
OFF HIGHWAY	14	29	403	40	245
RAIL	21	56	64	43	60
TOTAL (DIESEL)	104	223	2415	278	1451
GAS HANDLING EVAP LOSS	0	0	0	2226	0
TOTAL (TRANSPORTATION)	782	629	13176	27355	140451
MISCELLANEOUS (AREA)					
********TOTALS*****					
SOLVENT EVAPORATION LOSS	0	0	0	668	0
TOTAL (MISCELLANEOUS)	0	0	0	668	0
GRAND TOTAL					
**********					
AREA SOURCES	3420	8039	17297	30770	148302
POINT SOURCES	313	1018	846	*56*	*103*
TOTAL	3733	Y056	18144	30826	*148405*

Table 17-56c

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23, 1974

HUDSON COUNTY, NEW JERSEY

	PARTICULATES				
	TONS / YR	TONS / YR	TONS / YR	TONS / YR	TONS / YR
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	12	[illegible]	--	--	
[illegible]	[illegible]	[illegible]	880	185	475
NATURAL GAS	106	3	278	45	111
WOOD	-	-	-	-	-
TOTAL (RESIDENTIAL)	800	4234	983	243	1549
ELEC GENERATION (POINT)					
BITUMINOUS COAL	1937	26057	6452	103	343
RESIDUAL OIL	384	25074	19644	374	561
NATURAL GAS	2	3	2834	5	80
TOTAL (ELEC GEN)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
AREA SOURCES	378	80	[illegible]	-	-
AREA SOURCES	93	[illegible]	[illegible]	[illegible]	-
	20	1	200	44	0
TOTAL (INDUSTRIAL)	12	0	144	2	11
POINT SOURCES	1040	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
RESIDUAL OIL					

Table 17-56c cont'd

DISTILLATE OIL					
AREA SOURCES	804				
POINT SOURCES	44	30	0		
[illegible]	14	0	[illegible]		
AREA SOURCES	843	3974	3354	170	26
POINT SOURCES	69	146	245	12	16
[illegible]	2138	9431	5235	493	1582
POINT SOURCES	3461	55075	32086		
INTERNAL					
DISTILLATE OIL					
NATURAL GAS					
		[illegible]	2624	0	0
TOTAL (					
AREA SOURCES	2138	9431	5235	493	1582
POINT SOURCES	[illegible]	[illegible]	[illegible]		
INDUSTRIAL PROCESS (POINT)					
CHEMICAL					
FOOD/AGR					
EVAPORATION	0	0		[illegible]	[illegible]
METAL FABRICATION	1			22796	0
INPROCESS FUEL	7				
SOLID WASTE					
**********					
GOVERNMENT (POINT)					
OPEN BURNING	146	9	55	274	[illegible]
TOTAL (GOVERNMENT)					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	4675				
TOTAL (RESIDENTIAL)	4675	78	156	15585	46755
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
TOTAL (COMM-INST)				[illegible]	[illegible]
AREA SOURCES	623	78	104	519	1039

Table 17-56c (cont.)

INDUSTRIAL

OTA

AREA SOURCES	6366	289	438	16994	49573
POINT SOURCES	146	9	55	274	776
TRANSPORTATION (AREA)					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	688	413	9858	22345	128871
OFF HIGHWAY	12	1	201	821	4470
TOTAL (GASOLINE)	757	466	12065	27440	161724
DIESEL					
HEAVY VEHICLES	40	130	1863	186	1140
OFF HIGHWAY	19	39	531	93	323
RAIL	141	245	531	201	393
TOTAL (DIESELS)	229	546	2905	929	4982
VESSELS					
DISTILLATE	170	443	500	340	477
RESIDUAL OIL	12	50	30	2	0
TOTAL (VESSELS)	182	493	541	342	477
GAS HANDLING EVAP LOSS	0	0	0	2226	0
TOTAL (TRANSPORTATION)	1168	1490	15492	30940	167183
MISCELLANEOUS (AREA)					
TOTAL (MISCELLANEOUS)	0	0	0	0	0
AREA SOURCES	9872	11210	21109	48708	69264
POINT SOURCES	4403	55604	34766	23878	3277
TOTAL	14275	66814	55875	72586	72541

Table 17-56d

NATIONAL EMISSIONS DATA SYSTEM

ENVIRONMENTAL PROTECTION AGENCY

COUNTY EMISSIONS REPORT

RUN DATE: APRIL 23,1974

EMISSIONS AS OF: MARCH 14,1974

ESSEX COUNTY, NEW JERSEY

	PARTICULATES TONS / YR	SOX TONS / YR	NOX TONS / YR	HC TONS / YR	CO TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	248	626	74	62	2235
DISTILLATE OIL	74A	5262	889	222	371
NATURAL GAS	119	4	313	50	125
TOTAL (RESIDENTIAL)	1108	5892	1277	334	2730
ELEC GENERATION(PCINT)					
BITUMINOUS COAL	55	368	193	2	6
RESIDUAL OIL	310	9242	6925	132	198
NATURAL GAS	5	0	260	o	7
TOTAL (ELEC GEN)	370	9610	7379	134	212
ANTHRACITE COAL					
POINT SOURCES	344	140	110	0	b
BITUMINOUS COAL					
AREA SOURCES	321	104	41	3	5
RESIDUAL OIL					
AREA SOURCES	93	633	242	12	1
POINT SOURCES	470	1523	1225	61	82
DISTILLATE OIL					
AREA SOURCES	105	49a	421	21	1
POINT SOURCES	23	107	91	5	6
NATURAL GAS					
AREA SOURCES	20	1	200	44	0
POINT SOURCES	7	0	85	1	6
TOTAL (INDUSTRIAL)					
AREA SOURCES	53 9	1237	904	80	8
POINT SOURCES	043	1770	1511	67	100
COMMINSTITUTIONAL FUEL					
ANTHRACITE COAL					
POINT SOURCES	o	1	0	0	0

Table 17-56d (cont.)

RESIDUAL OIL					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DISTILLA					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
AREA SOURCES	1179	5563	4695	238	36
POINT SOURCES	99	203	204	13	18
[illegible]					
[illegible]					
[illegible]					
ELECTRIC GENERATION					
[illegible]					
TOTAL (ELEC GEN)	30	25	211	0	0
[illegible]					
[illegible]					
POINT SOURCES	1376	11809	9389	213	396
INDUSTRIAL PROCESS (POINT)					
**********					
[illegible]					
[illegible]					
SECONDARY METALS	1327	4721	0	0	0
[illegible]					
[illegible]					
[illegible]					
[illegible]					
TOTAL RESIDENTIAL	2113	40	33	2201	2113
COMMERCIAL-INSTITUTIONAL					
[illegible]					
AREA SOURCES	231	22	42	200	618
[illegible]					
AREA SOURCES	231	22	42	200	618
[illegible]					
[illegible]					
AREA SOURCES	1050	204	272	4550	[illegible]

Table 17-56d (cont.)

TOTAL (INDUSTRIAL)					
AREA SOURCES	1630	204	272	1358	2716
POINT SOURCES	0	50	0	0	0
TOTAL (SOLIDWASTEDISP)					
AREA SOURCES	4780	296	426	10931	31126
POINT SOURCES	0	50	0	0	0
TRANSPORTATION (AREA)					
**********					
LAND VEHICLES					
GASOLINE					
LIGHT VEHICLES	1014	608	14530	33303	195106
HEAVY VEHICLES	85	51	2338	6431	27783
OFF HIGHWAY	18	11	399	1254	6869
TOTAL (GASOLINE)	1117	671	17767	41088	229758
DIESEL					
HEAVY VEHICLES	110	220	3119	312	1835
OFF HIGHWAY	29	59	812	81	494
RAIL	46	121	139	93	130
TOTAL (DEISEL)	185	400	4071	486	2459
AIRCRAFT					
CIVIL	8	2	7	34	197
COMMERCIAL	873	193	546	2095	4970
TOTAL (AIRCRAFT)	881	195	553	2130	5167
VESSELS					
RESIDUAL OIL	77	323	200	12	1
TOTAL (VESSELS)	77	333	200	10	1
GAS HANDLING EVAPLOSS	0	0	0	3562	0
TOTAL (TRANSPORTATION)	2260	1599	22591	47275	237384
MISCELLANEOUS (AREA)					
**********					
SOLVENT EVAPORATION LOSS	0	0	0	1241	0
TOTAL (MISCELLANEOUS)	0	0	0	1241	0
GRAND TOTAL					
**********					
AREA SOURCES	9866	14537	29893	60100	271285
POINT SOURCES	5248	15070	9420	515	331
TOTAL	15114	29657	39313	60615	271615

Table 17-56e

[illegible] SYSTEM

COUNTY EMISSIONS REPORT — RUN DATE: APRIL 23, 1974

UNION COUNTY, NEW JERSEY — EMISSIONS AS OF: MARCH [illegible], 1974

	PARTICULATES	SOX	NOX	HC	CO
	TONS / YR	TONS / YR	TONS / YR	TONS / YR	TONS / YR
FUEL COMBUSTION					
EXTERNAL COMBUSTION					
RESIDENTIAL FUEL (AREA)					
ANTHRACITE COAL	140	276	33	27	983
DISTILLATE OIL	911	6717	775	125	200
NATURAL GAS	44	3	174	28	40
TOTAL (RESIDENTIAL)	966	3196	982	179	1223
ELEC GENERATION (POINT)					
RESIDUAL OIL	1253	24542	16443	313	470
NATURAL GAS	33	1	1337	2	38
TOTAL (ELEC GEN)	1286	24543	17780	315	508
INDUSTRIAL FUEL					
BITUMINOUS COAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RESIDUAL OIL					
AREA SOURCES	84	606	333	31	1
POINT SOURCES	380	4201	1306	49	79
POINT SOURCES	1	4	5	0	0
NATURAL GAS					
AREA SOURCES	10	1	104	41	0
POINT SOURCES	25	1	314	4	63
[illegible]	[illegible]	[illegible]			
AREA SOURCES	403	4191	894	[illegible]	
RESIDUAL OIL					
AREA SOURCES	4	29	27	[illegible]	[illegible]

Table 17-56e (cont.)

AREA SOURCES	12 L	571	482	24	2
POINT SOURCES	L	7	5	0	0
NATURAL GAS					
AREA SOURCES	2	0	11	1	2
POINT SOURCES	46	1	291	19	49
TOTAL (COMM-INST)					
AREA SOURCES	126	596	503	25	4
POINT SOURCES	47	9	296	20	49
TOTAL (EXTERNAL COMB)					
AREA SOURCES	1178	4923	2-33	278	1269
POINT SOURCES	1943	26750	19984	426	677
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	1178	4923	2033	278	1269
POINT SOURCES	1943	26758	19984	426	677
INDUSTRIAL PROCESS (POINT)					
***** *Z*** $T** *****F*****					
CHEMICAL MANUFACTURING	0	3491	0	94	2190
FOOD/AGRICULTURAL	b	0	0	u	0
SECONDARY METALS	9	0	0	0	74
MINERAL PRODUCTS	100	0	0	0	0
PETROLEUM INDUSTRY	2417	12343	5707	7821	2380
EVAPORATION	1	0	0	33685	0
METAL FABRICATION	1	0	0	485	0
TOTAL (INDUSTRIAL)	2534	15834	5707	42085	4644
SOLID WASTE DISPOSAL					
**********					
RESIDENTIAL (AREA)					
ON SITE INCINERATION	3596	60	120	11987	35962
TOTAL (RESIDENTIAL)	3596	60	120	11987	35962
COMMERCIAL-INSTITUTIONAL					
ON SITE INCINERATION					
AREA SOURCES	479	60	80	399	799
TOTAL (COMM-INST)					
AREA SOURCES	479	60	80	399	799
INDUSTRIAL					
ON SITE INCINERATION					
AREA SOURCES	952	119	159	793	1586
POINT SOURCES	4	0	0	0	0
TOTAL (INDUSTRIAL)					
AREA SOURCES	952	119	159	793	1586
POINT SOURCES	4	0	0	0	0
TOTAL (SOLID WASTE DISP)					
AREA SOURCES	5027	239	358	13180	38347
POINT SOURCES	4	0	0	0	0
TRANSPORTATION (AREA)					
**********					

Table 17-56e (cont.)

HEAVY VEHICLES	74	44	2465	5571	24047
OFF					
TOTAL (GASOLINE)	965	579	153 4	35258	196925
DIESEL					
RAIL	48	126	145	97	135
VESSELS					
TOTAL (VESSELS)	102	266	307	204	284
MISCELLANEOUS (AREAL)					
[illegible]	0	0	0	464	0
AREA SOURCES	7447	6387	21739	53701	239080
POINT SOURCES	4481	42592	25691	42511	5322
TOTAL	11928	48979	47430	96212	244401

Table 17-56f

NATIONAL EMISSIONS DATA SYSTEM
****

ENVIRONMENTAL PROTECTION AGENCY
****

COUNTY EMISSIONS REPORT
****
MIDDLESEX COUNTY, NEW JERSEY

RUN DATE: APRIL 23, 1974
EMISSIONS AS OF: MARCH 14, 1974

	PARTICULATE ********** TONS / YR	SOX ********** TONS / YR	NOX ********** TONS / YR	HC ********** TONS / YR	CO ********** TONS / YR
FUEL COMBUSTION					
RESIDENTIAL FUEL(AREA)					
ANTHRACITE COAL	50	125	15	12	447
DISTILLATE OIL	382	2713	459	115	191
NATURAL GAS	92	3	243	3.9	97
WOOD	4	0	1	0	0
TOTAL (RESIDENTIAL)	528	2841	718	166	736
RESIDUAL OIL	717	31-2-	26112	497	746
DISTILLATE OIL	21	1153	2803	53	80
NATURAL GAS	16	1	884	1	25
TOTAL (ELEC GEN)	755	32557	29800	552	851
INDUSTRIAL FUEL					
ANTHRACITE COAL					
POINT SOURCES	159	1019	410	8	234
BITUMINOUS COAL					
AREA SOURCES	211	69	27	2	4
POINT SOURCES	915	1594	951	59	119
RESIDUAL OIL					
AREA SOURCES	71	487	186	9	1
POINT SOURCES	1355	5200	3535	177	236
DISTILLATE OIL					
AREA SOURCES	8 1	383	324	16	1
POINT SOURCES	39	99	154	8	10
NATURAL GAS					
AREA SOURCES	15		154	34	0
POINT SOURCES		2	24	0	2
TOTAL (INDUSTRIAL)					
AREA SOURCES	379	940	691	62	6
POINT SOURCES	2469	7911	5074	251	60A
COMM-INSTITUTIONAL FUEL					

Table 17-56f (

RESID					
POINT SOURCES	21	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL (COMM-INST)					
AREA SOURCES	590	2782	7348	119	18
TOTAL (EXTERNAL COMB)					
AREA SOURCES	1497	6563	3757	347	759
POINT SOURCES	3259	40686	34988	809	1460
TOTAL (FUEL COMBUSTION)					
AREA SOURCES	1497	6563	3757	347	759
[illegible]	[illegible]	[illegible]	[illegible]	809	1460
CHEMICAL MANUFACTURING	1743	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] METAL	218	24	12	0	0
[illegible]	[illegible]	[illegible]	0	0	0
PETROLEUM INDUSTRY	1788	7554	6884	4672	12852
INPROCESS FUEL	210	734	11		0
TOTAL [illegible]	[illegible]	17421	7084	20171	144417
RESIDENTIAL (AREA)					
ON SITE INCINERATION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	101	10101	94304
[illegible]					
AREA SOURCES	724	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	3	0	0	1	8
[illegible]					
[illegible] SOURCES	7	4	1	9	12
TOTAL (INDUSTRIAL)					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
POINT SOURCES	0	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL (SOLID WASTE DISP					

Table 17-56f (cont.)

AREA SOURCES	7131	303	464	19518	57138
POINT SOURCES	12	2	2	10	21
TRANSPORTATION (AREA I					
**********					
LIGHT VEHICLES	1186	711	16996	37982	216215
HEAVY VEHICLES	00	60	3320	7247	30 802
OFF HIGHWAY	ii	7	251	787	4313
TOTAL (GASOLINE)	1297	778	20567	46016	251330
HEAVY VEHICLES	137	275	38389		2290
OFF HIGHWAY	18	37	511	51	310
RAIL	101	264	304	203	284
TOTAL (DEISEL)	257	576	4707	643	2884
DIESEL FUEL	102	266	307	204	286
TOTAL (VESSELS)	102	256	3C7	2C4	286
GAS HANDLING.EVAP.LOSS	0	0	o	445	0
TOTAL (TRANSPORTATION)	1656	1620	25580	47309	254501
MISCELLANEOUS (AREA)					
*********V**********					
SOLVENT EVAPORATION LOSS	o	0	0	764	0
TOTAL (MISCELLANEOUS)	0	u	0	764	0
**********					
AREA SOURCES	10283	8486	29802	67938	312398
POINT SOURCES	11554	58115	42052	20991	145897
TOTAL	21838	66600	71854	88928	458295

TABLE 17-57

EMISSIONS "INVENTORY SUPMARY
CONNECTICUT COASTAL COUNTIES
CY 1973 (tins/year)

PARTICULATE

SOURCE	COUNTY			
	New London	Middlesex	New Haven	Fairfield
Process	4	234	29	0
Fuel Combustion	3,613	2,251	3,927	2,615
Power Plants	2,713	1,924	945	1,369
Indust./Comm.	300	327	2,982	1,246
Solid Waste	49	43,	2,749	1,131
Total	3,666	2,528	6,705	3,746

SULFUR DIOXIDE (SO_2)

SOURCE	COUNTY			
	New London	Middlesex	New Haven	Fairfield
Process	0	0	0	0
Fuel Combustion	19,660	29,034	23,052	24,549
Power Plants	15,003	27,953	11,496	19,522
Indust./Comm.	4,657	1,081	11,556	5,027
Solid Waste	6	5	1,127	98
Total	19,666	29,039	24,179	24,647

TABLE 17-57 (cont.)

NITROGEN OXIDES (NO_x)

SOURCE	COUNTY			
	New London	Middlesex	New Haven	Fairfield
Process	0	0	0	0
Fuel Combustion	10,690	19,718	23,800	29,492
Power Plants	7,482	18,632	14,498	25,509
Indust./Comm.	3,208	1,086	9,302	3,983
Solid Waste	29	16	3,002	234
Total	10,719	19,734	26,802	29,726

HYDROCARBONS (HC)

SOURCE	COUNTY			
	New London	Middlesex	New Haven	Fairfield
Process		197	1,076	277
Fuel Combustion	51;	821	873	3,111
Power Plants	375	756	366	517
Indust./Comm.	142	65	507	2,594
Solid Waste	18	14	1,493	243
Total	535	1,032	3,442	3,631

CARBON MONOXIDE (CO)

SOURCE	COUNTY			
	New London	Middlesex	New Haven	Fairfield
Process	1	1	0	0
Fuel Combustion	45	14	40	32
Power Plants	41	12	5	7
Indust./Comm.	4	2	35	
Solid Waste		41	6,850	1,5::
Tota l	1::	56	6,890	1,572

NOTE: Totals are the sum of Process, Fuel Combustion, and Solid Waste loads.

SOURCE: Connecticut Department of Environmental Protection, Air Compliance Unit, Monitoring Division, Computer Printout.

SUMMARY TABLE 17-58

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY | CONNECTICUT TOTAL

STATE REGION COUNTY REPORT GRAND TOTAL

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS	327		2	91,469		1,498	
FUEL COMBUSTION	15,137	98,306	336	6,022	94,182		
POWER PLANT	6,504	66,445	51	2,135	67,724		
ANTHRACITE COAL							TONS
BITUMINOUS COAL	818	36	19	6	341	37,900	TONS
RESIDUAL OIL	4,428	66,135	32	1,778	65,117	1,472,695	M GAL
DISTILLATE OIL	1,258	274		350	2,244	56,788	M GAL
NATURAL GAS				1	22	160	MM CUFT
OTHER							
INDUSTL & COMMCL	8,633	31,861	285	3,887	26,458		
ANTHRACITE COAL	46	12	194	4	42	10,971	TONS
BITUMINOUS COAL	558	54	18	9	141	18,656	TONS
RESIDUAL OIL	6,553	24,912	19	760	18,429	585,064	M GAL
DISTILLATE OIL	1,305	6,883	26	296	5,790	226,228	M GAL
NATURAL GAS	171		28	2,818	2,056	26,597	MM CUFT
OTHER						11,450	
SOLID WASTE	29,600	6,449	45,221	12,496	13,674	3	
MUNICIPAL INCIN	4,105	973	9,352	1,450	1,637		TONS
OPEN BURNING							TONS
ON-SITE INCIN	1,063	152	1,330	351	358		TONS
OTHER	24,399	5,117	34,539	10,695	10,297	1	TONS
TOTAL EMISSIONS	45,064	104,755	45,559	109,987	107,856		

SOURCE: Connecticut Department of Environmental Protection

TABLE 17-58 BOZRAH - NEW LONDON COUNIW-

CONNECTICUT POINT SOURCE EMISSION -INVENTORY-SUMMARY. ----

STATE 7 R.EG1ON 41 COUNTY 13 - REPORT COUNTY SUMMARY----

PROCESS	PARTICULATES (TONS/YEAR)	S02 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		7			5	"-"	
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	2	7			5		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	2	7			5	162	M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT"
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							'TONS
OTHER							. TONS
TOTAL EMISSIONS	2	7			5		

SOURCE : Connecticut Department of Environmental Protection

COLCHESTER - NEW LONDON COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 38 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
POWER PLANT							TONS
BITUMINOUS COAL							
RESIDUAL OIL							M GAL
							M GAL
							MM CUFT
ANTHRACITE COAL							
RES							M GAL
NA							
SOLID WASTE							
MUNICIPAL							
							T
							TONS
TOTAL EMISSIONS							

EAST.. LYME..-. NEW LONDON COUNTY

----CONNECTICUT - POINT SOURCE EMI SS 10N--INVENTORY-SUMMARY-

-STATE --i---REGION ----41-----COUNTY - -55--- REPORT- COUNTY--SUMMARY--

PROCESS	PART ICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	2	8			6		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL.
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	2	8			6		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL	2	8			6	186	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID wASTE							
MUNICIPAL INCIN							T O N S
OPEN BURNING							TONS
ON--SITE INCIN							TONS
oTHER							TONS
TOTAL EMISSIONS	2	8			6		

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION							
BITUMINOUS COAL							
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL							
ANTHRACITE COAL							TONS
RESIDUAL OIL							M GAL
OTHER							
SOLID WASTE							
							TONS
	21	5	30	9	7		TONS
OTHER							
TOTAL EMISSIONS	21	5	30	9	7		

GRISWOLD - NEW LONDON COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE -- 7-- REGION---41---- COUNTY- -- 69---- REPORT---COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
PROCESS							
FUEL COMBUSTION	26	88		2	69		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	26	88		2	63		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	24	77		2	60	1,999	M GAL
DISTILLATE OIL	2	11			9	289	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	26	88		2	69		

EMISSION INVENTORY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	(TONS/YEAR)	(TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
-FUEL-		3,049	2	80	1,906		
							TONS
BITUMINOUS							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
							MM CUFT
OTHER							
INDUSTL & COMMCL	463	3,049	2	80	1,906		
ANTHRACITE COAL						110	TONS
BI							TONS
RESI					1,822	43,049	M GAL
DISTILLATE						2,759	M GAL
NATURAL GAS							
OTHER							
SOLID WASTE		10					
MUNICIPAL I							
ON-SITE INCIN		17					ON
							TONS
AG BURNING		48					

HAMDEN - -NEW. LONDON. COUNTY

CONNECTICUT PO IN T-- SOURCE -EMI SSION INVENTORY SUMMARY

-S TATE— -- 7—--REGION-42—-COUNTY—-73—REPORT—COUNTY SUMMARY

PROCESS	PART I CUR ATE S---- - S02---- (TONS/YEAR)	(TONS/YEAR)	----------CO (TONS/YEAR)	HC (TONS/YEAR)	N o X - - - - - - . (TONS/YEAR)	FUEL--OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	39	217		2	133		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	39	217		2	133		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	29	100		2	78	2,465	M GAL
DISTILLATE OIL	10	117			53	2,802	M GAL
NATURAL GAS					2	35	MM CUFT
OTHER							
SOLID WASTE	1		3	1			
MUNICIPAL INCIN							TONS
O P E N BURNING							TONS
O N - S I T E INCIN	1		3	1			TONS
OTHER							TONS
TOTAL EMISSIONS	40	217	3	3	133		

LEBANON - NEW LONDON COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 11 REPORT SOURCE CO.

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		8					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		8					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OI							
DISTILLATE OIL							M GAL
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		8					

LEDYARD - NEW LONDON. COUNTY
CONNECTIOUT POINT SOURCE EMISSION 1NVENT0R% sUMMARY

STATE 7 REGION 41 COUNTY 92 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	S02 (TONS/YEAR)	co (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	28	9	7				
-- POWER PLANT							
ANTHRACITE COAL							TONG
BITUMINOUS COAL							TONS
RESIDUAL OIL							N. GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	28	97	3	71			
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	27	86	3	66		2+N5GAL	N-GAL
DISTILLATE OIL	4	11		5		.34%	M. GAL
NATURAL GAS							MM .cuFT
OTHER							
SOLID WASTE							
MuNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	28	97	3	71			

LISBON - N DON. COUNTY

CONNECTICUT POINT-SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 93 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	%	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION								
POWER PLANT								
ANTHRACITE COAL								TONS
BITUMINOUS COAL								TONS
RESIDUAL OIL								M GAL
DISTILLATE OIL								M GAL
NATURAL GAS								MM CUFT
OTHER								
INDUSTL & COMMCL								
ANTHRACITE COAL								TONS
BITUMINOUS COAL								TONS
RESIDUAL OIL								M GAL
DISTILLATE OIL							8	M GAL
NATURAL GAS								MM CUFT
OTHER								
SOLID WASTE								
MUNICIPAL INCIN								TONS
OPEN BURNING								TONS
ON-SITE INCIN								TONS
OTHER								TONS
TOTAL EMISSIONS								

LYME - NEW LONDON COUNTY

CONNECTICUT-POINT-SOURCE - EMISSION-INVENTORY-SUMMARY

-STATE-----7- REGION----41--COUNTY----95---REPORT-COUNTY-SUMMARY--

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION		2					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		2					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		2				30	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		2					

MONTVILLE - NEW LONDON COUNTY
CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 107 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
			11388				
POWER	1666	11388	114	28		43350	
			8	1			M GAL
	3	10		1	23	766	M GA
OTHER							
ANTHRACITE COAL							TONS
BITUM							TONS
	5		12	23			M GAL
DISTILLATE						462	M GAL
							MM CUFT
SOLID WASTE							
							S
							TONS
ON-SITE INCIN							TONS
							S
LE	50	5	27	16	3		
Power Units 411		1,000			43		

NORTH STONINGTON - NEW LONDON COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 136 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION		5			1		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		5			1		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		5		.1		92M	GAL
NATURAL GAS							MM cUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		5			1		

NORWICH - NEW LONDON, COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE -- 4 --- REGION --- 41 --- COUNTY --- 139 --- REPORT---COUNT-Y--SUMMARY-

PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL-- OR---UNITS SOLID WASTE(/YR)
PROCESS					
FUEL COMBUSTION 19	72	1	1	,61	
POWER PLANT					
ANTHRACITE COAL					TONS
BITUMINOUS COAL					TONS
RESIDUAL OIL					M GAL
DISTILLATE OIL					M GAL
NATURAL GAS					MM CUFT
OTHER					
INDUSTL & COMMCL 19	72	1	1	61	
ANTHRACITE COAL					16 TONS
BITUMINOUS COAL					TONS
RESIDUAL OIL 17	64		1	49	1.605 M GAL
DISTILLATE OIL 1	8			10	388 M GAL
NATURAL GAS 1		"1		2	57 MM CUFT
OTHER					
SOLID WASTE 1		- 5 "	3	1	
MUNICIPAL INCIN					TONS
OPEN BURNING					TONS
ON-SITE INCIN		3	1	1	TONS
OTHER 1		2	2		TONS
TOTAL EMISSIONS 20	7 2	6	4	62	

...NORWICH..- NEW LONDON.- COUNTY

--CONNECTICUT--PO IN T-SOURC E-EM1-SS ION-INVENTORY-SUMMARY

- STAT E- 7 REGION 41 COUNTY 139 REPORT COUNTY SUMMARY

	PART I CUL ATE ES (TONS/YEAR)	SO2 (TONS /YEAR)	CO (TONS/YEAR')	H C (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
PROCESS							
FUEL COMBUSTION	36	134		2	107		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							"M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	36	134		2	107		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	31	110		1	81	2,715	M GAL
DISTILLATE OIL	5	2	4	1	23	1,074	M G A L
NATURAL GAS					3	81	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	36	134		2	107		

PRESTON - NEW LONDON COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 150 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	52	9		14	78		
POWER PLANT	51	2		14	76		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL	51	2		14	76	1,873	M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	1	7			2		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	1	3			2	58	M GAL
DISTILLATE OIL		4				84	M GAL
NATURAL GAS						1	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
"OPEN BURNING"							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL. EMISSIONS	52	9		14	78		

SPRAGUE - NEW LONDON COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 170 REPORT COUNTY-SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
FUEL COMBUSTION	206	723	1	26	539		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	206	723	1	26	539		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	205	716	1	26	535	17,827	M GAL
DISTILLATE OIL	1	7			4	153	M GAL
NATURAL GAS						5	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	206	723	1	26	539		

WATERFORD - NEW LONDON COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 199 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL-COMBUST							
POWER PLANT	24	11					
ANTHRAC							TONS
							M GAL
1 - DIST			01			3 050	M GA
							MM CUFT
							TONS
							TONS
							M GAL
RES							
DISTILLATE OIL							GAL
SOLID WASTE	10	1	13				
MUNICIPAL							
							TONS
PE							
							TON
							TO
			06				

CHESTER - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EM ISS ION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 36 REPORT COUNTY SUMMARY

	PARTICULATE (TONS/YEAR)	S02 (-TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL--COMBUSTION			4				
-- POWER PLANT --							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
A-RESIDUAL-- OIL							M-GAL
DISTILLATE OIL							M GAL
-NATURAL--GAS							MM CUFT
-OTHER-							
INDUSTL & COMMCL			4				
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL			4			135	M GAL
-NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL-INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
-OTHER-							TONS
TOTAL EMISSIONS			4				

CLINTON - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 37 REPORT COUNTY SUMMARY

PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
PROCESS						
FUEL COMBUSTION	10	41	4	36		
POWER PLANT						
ANTHRACITE COAL						TONS
BITUMINOUS COAL						TONS
RESIDUAL OIL						M GAL
DISTILLATE OIL						M GAL
NATURAL GAS						MM CUFT
OTHER'						
INDUSTL & COMMCL	10	41	4	36		
ANTHRACITE COAL						TONS
BITUMINOUS COAL						TONS
RESIDUAL OIL	10	38		28	2,395	M GAL
DISTILLATE OIL		3			60	M GAL
NATURAL GAS			4	8	100	MM CUFT
OTHER						
SOLID WASTE						
MUNICIPAL INCIN						TONS
OPEN BURNING						TONS
ON-SITE INCIN						TONS
OTHER						TONS
TOTAL EMISSIONS	10	41	4	36		

CROMWELL ___ MI DDLESEX COUNTY

CONNECTICUT--POINT--SOURCE-EMISSION-INVENTORY-SUMMARY

STATE-- 7---REGION--42--- COUNTY-- - 43---REPORT--COUNTY-SUMMARY-

	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS			" 1				
FUEL COMBUSTION	36	120		7	145		
POWER PLANT							
ANTHRACITE COAL							T O N S
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M G A L
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	36	120		7	145		
ANTHRACITE COAL							T O N S
BITUMINOUS COAL							TONS
RESIDUAL OIL	36	115		5	92	3,004	M GAL
DISTILLATE OIL		5			3	111	M GAL
NATURAL GAS				2	50	124	MM CUFT
OTHER							
SOLID WASTE	24	5	34	10	10		
MUNICIPAL INCIN							TONS
OPEN BURNING							T O N S
ON-SITE INCIN	1		1				TONS
OTHER	23	5	33	10	10		TONS
TOTAL EMISSIONS	60	125	35	17	155		

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION		1					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							M GAL
RESIDUAL OIL							M GAL
DISTILLATE OIL							MM CUFT
NATURAL GAS							
OTHER							
INDUSTL & COMMCL		1					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		1					M GAL
NATURAL GAS							
OTHER							
SOLID WASTE							
OPEN BURNING							
TOTAL EMISSIONS							

EAST HAMPTON - MIDDLESEX COUNTY

CONNECTICUT POINT-SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 52 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		1			1		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		1			1		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		1			1	26	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		1			1		

ESSEX - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	18	26	2	2	13		
						T S	
						TONS	
B						M GAL	
						M G**	
DI						M	
INDUSTL & COMMCL							
ANTHRACITE COAL						TONS	
BITUMINOUS COAL						TONS	
						1 M G	
						431 M GAL	
DISTILLATE OIL	3	17					
						M C	
						1,640	
						TONS	
MUNICIPAL INCIN						TONS	
N B G						TONS	
ON SITE INCIN						S	
TOTAL EMISSIONS	18	26	2	2	13		

HADDAM - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 72 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	3	13			12		
POWER PLANT	2	G			10		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL	2	4			10	328	M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	1	9			7		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	1	3			2	63	M GAL
DISTILLATE OIL		6				143	M GAL
NATURAL GAS							MM CUFT
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	3	13			12		

MIDDLEFIELD - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 103 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		5			2		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		5			2		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		5			2	96	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		5			2		

MIDDLETOWN - MIDDLESEX COUNTY

--CONNECTICUT- POINT-SOURCE--EMISSION-INVENTORY-SUMMARY

STATE -- --?--REGION---4E--COUNTY---- 104--REPORT--COUNTY-SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL--OR--UNITS-; SOLID WASTE (/YR)
PROCESS	234					
FUEL COMBUSTION.	2,162	28,723	12	"808	19,425	
POWER PLANT	1,922	27,949	12	756	18,622	
ANTHRACITE COAL						TONS
BITUMINOUS COAL						TONS
RESIDUAL OIL	1,909	27,936	12	752	18,578	532,348 M GAL
DISTILLATE OIL	13	13		4	44	1,771 M GAL
NATURAL GAS						MM CUFT
OTHER						
INDUSTL & COMMCL	240	774		52	803	
ANTHRACITE COAL						TONS
BITUMINOUS COAL						TONS
RESIDUAL OIL	154	676		17	436	13,502 M GAL
DISTILLATE OIL	86	98		35	363	7,691 M GAL
NATURAL GAS					4	689 MM CUFT
OTHER						
SOLID WASTE	18		5	4	6	
MUNICIPAL INCIN						TONS
OPEN BURNING						TONS
ON-SITE INCIN	18		5	4	6	TONS
OTHER						TONS
TOTAL EMISSIONS	2,414	28,723	17	812'	19,431	

OLD LYME - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 41 COUNTY 141 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUST							
							ONS
BITUMINOUS COAL							TONS
RES							
D	L						M G
NATURAL GAS							
NTHR C TE							S
DIST LLATE							M CU
SOLID WASTE							
							TONS
							S
ON-SITE INC							TONS
							TONS
TOTAL MI							

OLD SAYBROOK -- MIDDLESEX. COUNTY

---CONNECTICUT-- POINT-SOURCE- EMISSION -INVENTORY SUMMARY

-STATE 7 -REGION 41 COUNT-Y 142 REPORT—COUNT-Y- SUMMARY

PROCESS	PART ICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	7	18			19		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M G A L
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	7	18			19		
ANTHRACITE COAL						3	TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	2	8			6	180	M GAL
DISTILLATE OIL	5	10			10	455	M GAL
NATURAL GAS					3	40	MM CUFT
OTHER							
SOLID wASTE	1		. 2				
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN	1		2				TONS
OTHER							TONS
TOTAL ENISS1ONS	8	18	2		19		

OLD

INVENTORY SUMMARY

STATE 7 REGION VI

	PARTICULATES	SO2	CO	HC	NOX	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							M GAL
RESIDUAL OIL							M GAL
DISTILLATE OIL							MM CUFT
INDUSTL & COMMCL							
ANTHRACITE							TONS
							M GAL
DI							M GAL
							MM CUFT
OTHER							
MUNICIPAL							TONS
ON-SITE							TONS

PORTLAND - MIDDLESEX COUNTY

CONNECTICUT POINTSOURCE **EMISSION** INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 149 REPORT COUNTY SUMMARY

	PARTICULATE (TONS/YEAR)	S02 (TONS/YEAR)	co (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	7	52			34		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIOUAL OXL							M GAL
DISTILLATE OIL							M GAL
NATURAL GA							MM CUFT
OTHER							
INDUSTL &C,OMMCL	7	52			34		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	4	16			12	398	M GAL
DISTILLATE OIL	3	36			2 2	940	M GAL
							M
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	7	52		197	34		

WESTBROOK - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENT

STATE 7 REGION -41 COUNTY 201 EPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION		1					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL O L							M GAL
DISTILLATE O L							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		1					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		1				27	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INC N							TONS
OPEN BURNING							TONS
ON-SI E INCIN							TONS
OTHER							TONS
TOTAL EM SS ONS		1					

WESTBROOK-MIDDLESEX COUNTY

CONNECTICUT POINT- SOURCE--EMISSION--INVENTORY-SUMMARY--

STATE--7--REGION--41--COUNTY--201--REPORT -COUNTY-SUMMARY

PROCESS	PARTICULATES ('TONS/YEAR)	SO2 (TONS/YEAR}	CO (TONS/YEAR)	He. (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		1					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS ,
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		1					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		1				22	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL, INCIN .							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		1					

DEEP RIVER - MIDDLESEX COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE -7- REGION -41- COUNTY- 218 REPORT- COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	8	31			20		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	8	31			2 0		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	5	18			1 4	435,	M GAL
DISTILLATE OIL	3	13			*b*	3 8 0	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	8	31			20		

ANSONIA - NEW HAVEN COUNT

CONNECTICUT POINT SOURCEEMISSION INVENTORY SUMMARY

STATE 7 REGION 4 2 COUNTY 2 . REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	H C (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		22			4		
POWER PLANT							
ANTHRAX-I TE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE--OIL							M GAL
NATURAL-GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		2-2			4		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS.
RESIDUAL OIL							M GAL
DISTILLATE OIL		22			4	105	M GAL
NATURAL GAS							MM CUFT
SOLID WASTE	9	1	1-3	9	1		
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE--INCIN							TOMS
OTHER	9	1	13	9	1		TONS
TOTAL EMISSIONS	9	23	13	9	5		

ANSONIA - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 2 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	79						
POWER PLANT							
BITUMINOUS							
RESIDUAL							
DISTI TE							
NATURAL							MM CUFT
OTHER							
INDUSTL &							
ANTHRACITE COAL							
BITUMINOUS							
	76					6,6 3 M	
D ST LLATE OI	3					44	
NATURAL GAS					2	14	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN			5	37			
OPEN BURN							S
ON-SITE							TONS
O							S
	4		8				

BEACON FALLS - NEW HAVEN. COUNTY.

CONNECTICUT -POINT--SOURCE- EMISSION INVENTORY SUMMARY

STATE - 7 ---REGION - 42... - COUNTY - 6---REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO [TONS/YEAR]	He [TONS/YEAR]	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
"PROCESS							
FUEL COMBUSTION	6	25			26		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL fJIf-							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL :	6	25			26		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL	6	25			2 2	688 M GAL"	
NATURAL GAS					4	46 MM CUFT	
OTHER							
SOLID WASTE	14	7	9	7	9		
MUNICIPAL INCIN							TONS
oPEN BURNING							TONS
ON-SITE INCIN	14	7	9	7	9		TONS
OTHER							TONS
TOTAL EMISSIONS	20	32	9	7	35		

BETHANY - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE - 7 REGION - 42 COUNTY - 8 REPORT - COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION		8			4		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE 011							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		8			4		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL.							M GAL
DISTILLATE OIL		8			4	216	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		8			4		

13 RANFORD - NEW HAVEN. COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 14 REPORT COUNTY SUMMARY

	PARTICULATE (TONS/YEAR)	S02 (TONS/YEAR)	CO (TONS/YEAR)	H C (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	67	46		22	141		
POWER PLANT	54	2		15	81		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL	54	2		15	81	1,992	M GAL
NATURAL GAS							M#4-4UFX-
OTHER							
INDUSTL & COMMCL	13	44	7		60		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	9	35		1	26	853	M GAL
DISTILLATE OIL	2	9			10	330	M GAL
NATURAL GAS	2			6	24	316	MM XUfT-
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN-BURNING							TONS
0 N-5 ITE - INCI N							TONS
OTHER							TONS
TOTAL EMISS-1 ONS	67	46		22	141		

CHESHIRE - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE - ?? REGION 42 COUNTY 35 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	11	54			27		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	11	54			27		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	5	18			13	423	M GAL
DISTILLATE OIL	6	36			13	1,131	M GAL
NATURAL GAS					1	12	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	11	54			27		

DERBY - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 47 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL-COMBUSTION	102	404		16	352		
POWER PLANT	14	96		3		58	
ANTHRACITE COAL							TCN'ds
BITUMINOUS COAL							TONS
RESIDUAL OIL	14	95		3	58	3,088	M GAL
DISTILLATE OIL		1				33	M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	88	308		15	294		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	43	149		4	112	3,740	M GAL
Distillate OIL	41	159		4	141	5,441	M GAL
NATURAL GAS	4			7	41	473	MMCUFT
OTHER							
SOLID WASTE	18	4	25	8	8		
MUNICIPAL INCIN							TONS
ON-SITE INCIN	18	4	25	8	8		TONS
OTHER							TONS
TOTAL EMISSIONS	120	408	25	26	360		

EAST HAVEN - NEW HAVEN COUNT

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 54 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	3	49			10		
POWER PLANT							
BITUMINOUS							TONS
RESIDUAL							
D							
OTHER							
INDUSTL &		49					
ANTHRACITE							
BITUMINOUS							
RESIDUAL	1					88	M G
DISTILLATE OIL	2	45					GAL
NATURAL GAS							MM CUFT
SOLID WASTE							
MUNICIPAL INCIN							
OPEN-BURNI							S
							S
OTHER							TONS
TOTAL MI							

GUILFORD - NEW HAVEN COUNTY

-CONNECTICUT---POINT- SOURCE--EMISSION-INVENTORY-SUMMARY

-STATE -.-7..--REGION --42-- COUNTY ---71 REPORT-- COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL-OR — UNITS--- SOLID WASTE(/YR)
PROCESS						2 /
FUEL COMBUSTION	8	28			24	
POWER PLANT						
ANTHRACITE COAL						TONS
BITUMINOUS COAL						TONS
RESIDUAL O I L						M GAL
DISTILLATE OIL						M GAL
NATURAL GAS						MM CUFT
OTHER						
INDUSTL & COMMCL	8	28			24	
ANTHRACITE COAL						TONS
BITUMINOUS COAL						TONS
RESIDUAL OIL	8	26			20	640" M GAL
DISTILLATE OIL		2			4	122 M GAL
NATURAL GAS						18 MM CUFT
OTHER						
SOLID WASTE						
MUNICIPAL INCIN						TONS
OPEN BURNING						TONS
ON-SITE INCIN						TONS
OTHER						TONS
TOTAL EMISSIONS	8	28			24	

MADISON - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION "42 COUNTY 96 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		1					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		10					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		10					304-t4-.GAL
NATURAL GAS							MM CUFT
OTHER							
SOL 10 WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		10					

MERIDEN - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 100 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	123	508	3	15	334		
--POWER PLANT-							
--ANTHRACITE COAL							TONS
--BITUMINOUS COAL							TONS
--- RESIDUAL--OIL							M GAL
--.--DISTILLAT-SOIL-							M GAL
-- NATURAL GAS							MM CUFT
-- OTHER							
--INDUSTL & COMMCL	123	508	3	15	3 3		
- -ANTHRACITE COAL			3	2		370	TONS
BITUMINOUS COAL.							TONS
--RESIDUAL OIL	114	394		14	293	9,798	M GAL
---- -DISTILLATE OIL	9	114			35	3,395	M GAL
---- NATURAL--GAS				1	4	85	MM CUFT
-SOLID WASTE	4	1	5	1	1		
- -- -MUNICIPAL INCIN							TONS
							T
--- ON-SITE--INCIN	4	1	4	1	1		TONS
- - -- OTHER			1				TONS
TOTAL EMISSIONS	127	509	8	16	335		

MIDDLEBURY - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE ? ---REGION-------42--COUNTY 102 REPORT-COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO [TONS/YEAR)	NOX (TONS/YEAR)	VOC (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION	24	193	4	94			
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	24	193	4	94			
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	3	12		9		291	M GAL
DISTILLATE OIL	21	181	4	85		2,806	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE	2		3	2			
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER	2		3	2			TONS
TOTAL EMISSIONS	26	193	3	6	94		

MILFORD - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 105 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION.	438	9,369	4	24	12,267	1	
POWER PLANT	408	9,153	3	240	12,161		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	378	9,113	3	229	12,032	229,142	M GAL
DISTILLATE OIL	30	40		11	129	3,721	M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	30	216	1	1	106		
ANTHRACITE COAL							Tons
BITUMINOUS COAL							TONS
RESIDUAL OIL	19	79	1		60	1,853	M GAL
DISTILLATE OIL	11	137	1		41	3,660	M GAL
NATURALGAS					5	63	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL- INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
TOTAL EMISSIONS	438	9,369	4	241	12,267		

NAUGATUCK - NEW HAVEN COUNTY

CONNECTICUT--POINT--SOURCE--EM

-STATE ---7---REGION---42---COUNTY---109---R...

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS				695			
FUEL COMBUSTION	288	875	2	153	1,238		
POWER							
BITUMINOUS							TONS
RESIDUAL							M GAL
DISTILLATE OIL							M GAL
NA							MM CU
OTHER							
INDUSTL & COMMCL	277	875	2	153	1,238		
ANTHRACITE COAL							
BITUMINOUS COAL							TONS
RES		668	1	31	693	279,152	M GAL
DISTILLATE OIL	11	67			93	27,102	M GAL
	54		1	122	552	61,000	MM CU
OTHER							
SOLID WASTE	9	207			1,302		
MUNICIPAL INCIN							TONS
ON-SITE INCIN							
OTHER							
TOTAL EMISSIONS	297	1,082	3	848	2,540		

NEW HAVEN - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 17 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 TONS/YEAR	CO (TONS/YEAR	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	1,095	5,004	4	197	4,420		
POWER PLANT	469	2,230	2	108	2,17		
BITUMINOUS COAL							TONS
RESIDUAL OIL	468	2,22					M GAL
DI						190	GA
NATURAL GAS							CUFT
OTHER							
INDUSTL & COMMCL	626	2,774	2	89	2,248		
ANTHRACITE COAL			2			50	TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL		13			8	5,8 4	M
DISTILLATE OIL	74				412	13,906	M GAL
NATURAL GAS	7					797,	MM CUFT
SOLID WASTE	1,848		4				
MUNICIPAL INCIN	1,650	354	0				
OPEN-BURNI							
ON-SITE INCIN			80				
OTHER							
TOTAL				,170	5,212		

NORTH BRANFORD-NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 133 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		24			10		
POWERPLANT 1							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		24			10		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		24			10	710	M GAL
NATURAL GAS						1	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		24			10		

NORTH HAVEN- NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7. REGION 42 COUNTY 135 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR.)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS	29			200			
FUEL COMBUSTION	99	488		1-1	352		
POWER-PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL-01 L							M-GAL
DISTILLATE-OIL							M-GAL
NATURAL-GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	99	488		11	35$2		
ANTHRACITE coal.							TONS
BITUMINOUS COAL							TONS
RESIDUAL-OIL	88	384		10	289	9,48 Z.	A.GAL
DISTILLATE OIL	ll	1-04		1	59	3,152	M.GAL.
NATURAL-GAS				4	83		MM CUFT
0							
SOL-ID WASTE	?	1	10	2	1 9		
MUNICIPAL INCIN					17		TONS
OPEN-BURNING							TONS
ON-SITE-INCIN	7	1	10	2	2		TONS
OTHER							TONS
TOTAL EMI SSI OHS	135	489	10	213	371		

ORANGE - NEW HAVEN

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 REPORT - COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO TONS/YEAR	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	(/YR)
FUEL COMBUSTION							
POWER PLANT							
ANTHRACITE						TONS	
BITUMINOUS COAL						M GAL	
RESIDUAL OIL						M GAL	
DISTILLATE OIL						MM CUFT	
NATURAL GAS							
OTHER							
INDUSTL & COMMCL							
ANTHRACITE COAL						TONS	
BITUMINOUS COAL						TONS	
RESI						M GAL	
DISTILLATE OIL						M	
NATURAL GAS						MM CUFT	
OTHER							
SOLID WASTE							
MUNICIPAL INCIN						TONS	
OPEN BURN						TONS	
ON-SITE I C						TONS	
TOTAL EMISS							

OXFORD - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE --T----REGION-4-COUNTY- --144---REPORT—COUNTY-SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION		2					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		2					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL'		2				71	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		2					

PROSPECT - NEW HAVEN COUNTY

STATE

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION							
POWER PLANT							
ANTHRACITE							
BITUMINOUS							
RESIDUAL OIL							M GAL
DIST							M GAL
NATURAL GAS							
OTHER							
I							
ANTHRACITE							TON
BITUMINOUS COAL							
							M GAL
DISTILLATE OIL							M GAL
NATUR							M
SOLID WASTE							
ON-SITE INC							TONS
							S
TOTAL EMISSIONS							

- SEYMOUR - NEW HAVEN COUNTY

CONNECTICUT **POINT SOURCE EMISSION INVENTORY SUMMARY**

STATE 7 REGION 4 2 COUNTY 161 REPORT COUNTY SUMMARY

	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	H_C (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
Panes						9	
FUEL COMBUSTION	44	161		4	93		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M-GAL
NATURAL GAS							JAM CUF T
OTHER							
INDUSTL & COMMCL	44	161		4	93		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	43	156		3	73	3,809	M GAL
DISTILLATE OIL	1	5			5	147--34	GAL
NATURAL GAS				1	15	195	MM CUFT
OTHER							
SOLID WASTE	1	2	1				
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN	1	2	1	1			TONS
OTHER							TONS
TOTAL EMISSIONS	45	161	2	5	94		

SOUTHBURY - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 167 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	SOLID WASTE (/YR)	
PROCESS							
FUEL COMBUSTION							
POWER PLANT							
ANTHRACITE COAL							
BITUMINOUS COAL							
RESIDUAL OIL							
DISTIL							
NATURAL GAS							
OTHER							
INDUSTL							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							
DISTILL							GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OTHER							TONS
OTHER							TONS
TOTAL EMISSIONS							

STONINGTON - NEW HAVEN COUNTY

CONNECTICUT POINT-SOURCE EMISSION INVENTORY SUMMARY

STATE 7 — REGION 4 % — COUNTY 177 — REPORT — COUNTY SUMMAR

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
FUEL COMBUSTION	22	126		1	81		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	22	126		1	81		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	16	59		1	44	1,436	M GAL
DISTILLATE OIL	6	67			37	1,697	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	22	126		1	81		

WATERBURY - NEW HAVEN COUNTY

P

CONNECTICUT POINT-SOURCE EMISSION-INVENTORY-SU

STATE 7 **REGION** 42 **COUNTY** 192 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	S(I2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	1,454	5,089	23	187	3,896		
POWER PLANT		15			26		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL		15			18	360	M GAL
DISTILLATE OIL					2	46	M GAL
NATURAL GAS					6	5 3	MM CUFT
OTHER							
INDUSTL & COMMCL	1,454	5,074	23	187	3,870		
ANTHRACITE COAL			1 2			237	TONS
BITUMINOUS COAL						10	TONS
RESIDUAL OIL	1,429	4,944	11	180	3,720	131,205	M GAL
DISTILLATE OIL	23	130		1	115	4,694	M GAL
NATURAL GAS	2			6	35	4 8 7	MM CUFT
OTHER							
SOLID WASTE	395	69	478	164	157		
MUNICIPAL INCIN	276	59	394	118	118		TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER	119	1.0	84	'46	39		TONS
TOTAL EMISSIONS	1,849	5,158	501	351	4,053		

WEST HAVEN - NEW HAVEN COUNTY

CONNECTICUT" POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 293 REPORT. COUNTY SUMMARY

PROCESS	PARTICULATES [TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NUX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	63	245	4	10	192		
- POWER PLANT							
-ANTHRACITE COAL							TONS
-BITUMINOUS COAL							TONS
-RESIDUAL OIL							M. GAL
-DISTILLATE OIL							M GAL
-NATURAL- GAS							MM.. CUFT
OTHER							
INDUSTL & COMMCL	63	245	4	1	1 - 1 - $ 2		
-ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	47	152	6	1 1 8 ~ o	L 5 4 - G A L		
--DISTILLATE OIL	14	93	2	2	53	3,448-M GAL	
--NATURAL GAS	2		2	-2-	21	- - - 3 2 9 - - M M -	CUFT
SOLID WASTE	92	66	440	132	132		
-MuNICIPAL INCIN	11	49	324	97	9 7	- - -	-TONS
OPEN BURNING							TONS
--ON-SITE INCIN	79	17	1-1 3	34	34		TONS
OTHER	2-		3	1	..1		-TONS-.
TOTAL EMISSIONS	155	311	444	142	324		

WOLCOTT - NEW HAVEN COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 214 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
FUEL CONBUSTION		14					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
Distillate OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		14					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		14				442	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		14					

WOODBRIDGE - NEW HAVEN COUNTY.

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 42 COUNTY 215 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
-FUEL COMBUSTION		1	6			1	
POWER PLANT							
ANTHRACITE-COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NAYURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		1	6		1		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
01 STILLATE OIL		1	6		a	183	M GAL
NATURAL GAS							MM CUFT
-SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
C) THER							TONS
-TOTAL -EMISSIONS		1	6				

BETHEL - FAIRFIELD COUNT

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 9 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION							
POWER PLANT							
ANTHRACITE							ON
BITUMINOUS							
DISTILLATE							
NATURAL GAS							
OTHER							
		8			3		
ANTHRACITE							
BITUMINOUS COAL							TONS
RESIDUAL OI						0	M
DISTILLATE OIL	5						M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
ON-S TE							
OTHER							

BRIDGEPORT. - FAIRFIELD COUNTY----

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7---REGION- 43 COUNTY 15----REPORT COUNTY SUMMARY

	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS				180			
FUEL COMBUSTION	1,569	15,952	13	406	19,659		
POWER PLANT	1,161	14,245	5	340	18,290		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	1,159	14,239	5	340	18,278	347,981	M GAL
DISTILLATE OIL	2	6			12	399	M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	408	1,707	8	66	1,369		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS"
RESIDUAL OIL	290	997		28	738	24,801	M GAL
DISTILLATE OIL	110	710	5	13	505	20,600	M GAL
NATURAL GAS	8		3	25	126	1,739	MM CUFT
OTHER							
SOLID WASTE	1		1	1			
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER	1		1	1			TONS
TOTAL EMISSIONS	1,570	15*952	14	587	19,659		

BROOKFIELD - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 28 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 TONS/YEAR	CO TONS/YEAR	HC (TONS/YEAR)	NOX (TONS/YEAR	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION	1	2			4		
POWER PLANT							TONS
ANTHRACITE COAL							TONS
BITUMINOUS COAL							M GAL
RESIDUAL OIL							M GAL
DISTILLATE OIL							MM CUFT
NATURAL GAS							
OTHER							
INDUSTL & COMMCL	1	2					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							GAL
DISTILLATE OIL					4	131	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							
ON-SITE INCIN							TONS
OTHER							
TOTAL EMISSIONS	1	2					

, DANBURY - FAIRFIELD COUNTY

CONNECTICUT **POINT SOURCE EMISSION INVENTORY SUMMARY**

STATE 7 **REGION 43** COUNTY 44 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	88	271	1	7	254		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	88	271	1	7	254		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	59	124	1	3	134	4,103	M GAL
DISTILLATE OIL	29	147		4	120	4,549	M GAL
NATURAL GAS						14	MM CUFT
OTHER						1,000	
SOLID WASTE	50	1	4	1	19		
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN	2	1	4	1	1		TONS
OTHER	48				18		TONS
TOTAL EMISSIONS	138	272	5	8	273		

DARIEN -.. FAIRFIELD COUNTRY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 46 REPORT COUNTY

	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
PROCESS							
FUEL COMBUSTION	2	2			3		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL-GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	2	2			3		
ANTHRACITE COAL							TONS
'BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL	2	2			3	967	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE	88	9	220	9	1 3		
MUNICIPAL INCIN	88	9	220	9	13		TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	90 11		220	9	16		

EASTON -. FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 4 3 COUNTY 56 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	S02 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION			b				
POWER PLANT							
BITuMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIE							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL			6				
ANTHRACITE COAL			c				TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL			6			84	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MANICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
EM							

FAIRFIELD - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 61 REPORT COUNTY SUMMARY

PART 1 CULATES (TONS/YEAR)	SO2 (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE (/YR)	UNITS
PROCESS					
FUEL COMBUSTION 58	278	7	2	161	
POWER PLANT					
ANTHRACITE COAL					TONS
BITUMINOUS COAL					TONS
RESIDUAL OIL					M GAL
DISTILLATE OIL					M GAL
NATURAL GAS					MM CUFT
OTHER					
INDUSTL & COMMCL 58	278	7	2	161	
ANTHRACITE COAL 10	2	4		8	1,400 TONS
BITUMINOUS COAL					TONS
RESIDUAL OIL 19	6	8	2	50	1,702 M GAL
DISTILLATE 011. 29	208	3		86	59310 M GAL
NATURAL GAS				17	250 MM CUFT
OTHER					
SOLID WASTE 10	1	36	24	11	
MUNICIPAL INCIN					TONS
OPEN BURNING					TONS
ON-SITE INCIN 8		15	9	3	TONS
OTHER 2	1	21	15	8	TONS
TOTAL EMISSIONS 68	279	43	26	172,	

GREENWICH - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCEEMISSION INVENTORY SUMMARY

STATE '7 REGION 43 COUNTY 67" REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	S02 (TONS/YEAR)	co (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUELCOMBUSTION	208	211	2	49	425		
POWER PLANT	146	4		4 1	220		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL	146	4		41	220	5,394	M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	62	207	2	8	205		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	57	170		3	14 7	4,974	M GAL
01 ST ILLATE OIL	2	37		20		1,395	M GAL
Natural GAS	3		2	5	38	646	MM CUFT
OTHER							
SOLID WASTE	696	55	88G	84	94		
MUNICIPAL INCIN	663	41	790	57	67		TONS
OPEN BURN ING							TONS
ON-SITE INCIN	33	14	90	27	2-?		TON S
OTHER							TONS
TOTAL EMISSIONS	904	264	882	133	519		

MONROE - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 106 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NO X (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		1					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		1					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL		1				16	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE	70				26		
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN	70				26		TONS
OTHER							
TOTAL EMISSIONS	70	1			26		

NEW CANAAN --FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE —7— REGION -----43— COUNTY ---- 114--- REPORT--COUNTY--SUMMARY

PROCESS	Particulate (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	6	15			15		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	6	15			15		
ANTHRACITE COAL							TONS
BITUMINOUS" COAL							TONS
RESIDUAL OIL	3	6			8	250	M GAL
DISTILLATE OIL	3	9			7	1,514	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE	8	8	175	8	10		
MUNICIPAL INCIN	8	8	175	8	10		TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL ENISSIONS	14	23	175	8	25		

NEW FAIRFIELD - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE ? REGION 43 COUNTY 115 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION		2					
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL		2					
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							*GAL
DISTILLATE OIL		2				77	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS		2					

NEWTON-FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMNARY

STATE 7 REGION 43 COUNTY 131. REPORT COUNTY SUMNARY

	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION	8	34			28		
- POWER PLANT							
-ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
-RESIDUAL OIL							M GAL
-DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	8	34			28		
-ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	7	26			20	643	M GAL
-DISTILLATE OIL	1	8			8	285	M GAL
NATURAL GAS							MM CUFT
-OTHER							
SOLID WASTE	23	2	30	23	3		
MUNICIPAL INCIN							TONS
OPEN-BURNING							TONS
-ON-SITE-INCIN							TONS
-OTHER	23	2	30	23	3		TONS
TOTAL EMISSIONS	31	36	30	23	31		

NORWALK - FAIRFIELD COUNTY
CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 137 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS				97			
FUEL COMBUSTION	158	5,711	3	142	7,297		
POWER PLANT	62	5,273	2	135	6,993		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	53	5,243	2	132	6,925	131,900	M GAL
DISTILLATE OIL	9	30		3	64	2,144	M GAL
NATURAL GAS					4	2 1	MM CUFT
OTHER							
INDUSTL & COMMCL	96	438	1	7	304		
ANTHRACITE COAL			1		2	388	TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	70	304		7	191	6,291	M GAL
DISTILLATE OIL	26	34			104	3 ,59 1	M GAL
NATURAL GAS					7	63	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN.							TONS
OTHER							TONS
TOTAL EMISSIONS	158	5,711	3	239	7,297		

REDOING - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 4 3 COUNTY 153 REPORT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL- COMBUSTION	5	42			22		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL- & COMMCL	5	42			22		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	5	25			20	619	M GAL
DISTILLATE OIL		17			2	371	M GAL
NATURAL GAS							MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL - INCIN							TONS
OPEN-BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	5	42			22		

RIDGEFIELD - FAIRFIELD COUNTY

CONNECTICUT - POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 154 REPORT COUNTY SUMMARY

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	GO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL CONBUSTION	6	25.			23		
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	6	25			23		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	6	20			i6	500	M GAL
DISTILLATE OIL		5			7	173'	M GAL
NATURAL GAS						“1	MM CUFT
OTHER							
SOLID WASTE	5	1	8	2.	2		
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN	5	1	8	2	2		TONS
OTHER							TONS
TOTAL EMISSIONS	11	26'	8	2	25		

SHELTON - FAIRFIELD COUNTY .

CONNECTICUT POINTSOURCEEMISSION INVENTOR Y SUMMARY

STATE 7 REGION 42 COUNTY 163 REPORT COUNTY SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION	149	502		19	404		
POWER PLANT				1	3		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS				1	3	35	MM CUFT
OTHER							
INDUSTL & COMMCL	149	502		18	401		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	144	458		18	375	12,528	M GAL
DISTILLATE OIL	5	44			23	1,603	M GAL
NATURAL GAS					3	14	MM CUFT
OTHER							
SOLID WASTE							
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN							TONS
OTHER							TONS
TOTAL EMISSIONS	149	502		19	404		

SHERMAN - FAIRFIELD COUNTY

CONNECTICUT

Y SU

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION							
POWER PLANT							
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
							M GAL
NATURAL GAS							
OTHER							
INDUSTRIAL & COMMERCIAL							
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
NATURAL							
OTHER							
SOLID WASTE							
OPEN BURNING							TONS
ON-SITE INCIN.							
OTHER							TONS
TOTAL EMISSIONS							

STAMFORD. - FAI RFIELD COUNTY

CONNECTICUT-POINT- SOURCE-EMISSION-INVENTORY-SUMMARY

STATE ---7 ---REGION - ---43------COUNTY ----172 ---- REPORT--COUNTY-SUMMARY

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION	192	837	6	2,469	707		
POWER PLANT					3		
ANTHRACITE CDAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
NATURAL GAS					3		16 MM CUFT
OTHER							
INDUSTL & COMMCL	192	837	6	2,469	704		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL	107	.326		4	282	8,958	M GAL
DISTILLATE OIL	74	511	6	5	275	14,963	M GAL
NATURAL GAS	11			2,460	147	1,834	MM CUFT
OTHER							
SOLID WASTE	48	7	65	38	10		
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN	31	5	42	21	8		TONS
OTHER	17	2	23	17	2		TONS
TOTAL EMISSIONS	240	844	71	2,507	717		

STRATFORD - AIRFIELD. COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 'COUNTY 1"78 REPORT COUNTY SUMMARY .

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (JyR)
FUEL COMBUST	144	505	17		409		
POWER PLANT							
ANTHRAC - COAL							TONS
BITUMINOUS COAL							TONS
RESIDUAL OIL		2					M GAL
DISTILLATEOIL							M GAL
NATURAL GAS							MM CUFT
OTHER							
INDUSTL & COMMCL	144	505	17		409		
ANTHRACITE COAL							TONS
BITUMINOUS COAL							TONS
RESI. DUAL OIL	128	412	16		344	11,39	z=&L-$Alr
DISTILLATE OIL	16	93			59	2, 796	M GAL
NATURAL GAS			1		6	81	MM CUFT
OTHER							
SOLID WASTE	60	12	86	26	26		
MUNICIPAL INCIN							TONS
OPEN BURNING							TONS
ON-SITE INCIN	60	12	86	26	26		TONS
OTHER							TONS
TOTAL EMISSIONS	204	517	86	43	435		

TRUMBULL - FAIR FIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43 COUNTY 185 REP(JRT COUNTY SUMMARY

PROCESS	PARTICULATE (TONS/YEAR)	S02 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION	6	78			20		
POWER PLANT							
-ANTHRACITE COAL							TONS
--BITUMINOUS COAL							TONS
-RESIDUAL OIL							M-GAL
-DISTILLATE OIL							M-GAL
-NATURAL GAS							MM CUFT
-OTHER							
INDUS TL & COMMCL	6	78			20		
-ANTHRACITE COAL							TONS
--91 TUMINOUS COAL							TONS
---RESIDUAL- OIL							M-GAL
-DISTILLATE OIL	6	78			16	1,869	M GAL
-NATURAL-GAS					4	115	MM CUFT
--OTHER-							
SOLID WASTE	1						
-MUNICIPAL INCIN							TONS
N-B							
-ON-SITE-INC IN							TONS
-OTHER	1		1				TONS
TOTAL- EMISSION	1				20		

WESTPORT - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7

	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
PROCESS							
FUEL COMBUSTION		10					
POWER PLANT							
ANTHRACITE COAL							TONS
BI							TONS
RESIDUAL OIL							M GAL
DISTILLATE OIL							M GAL
INDUSTL & COMMCL		10			2		
ANTHRACITE							TONS
RESIDUAL							
DISTILLATE OIL		10					M GAL
OTHER							
SOLID WASTE	4		4	4	1		
MUNICIPAL INCIN							TONS
[illegible]							
[illegible] INCIN	1			1	1		
OTHER	3		4	3			TONS
TOTAL	4	10	4	4	3		

WILTON - FAIRFIELD COUNTY

CONNECTICUT POINT SOURCE EMISSION INVENTORY SUMMARY

STATE 7 REGION 43

PROCESS	PARTICULATES (TONS/YEAR)	SO2 (TONS/YEAR)	CO (TONS/YEAR)	HC (TONS/YEAR)	NOX (TONS/YEAR)	FUEL OR SOLID WASTE	UNITS (/YR)
FUEL COMBUSTION							
POWER PLANT							
ANTHRACITE COAL							ONS
BITUMI COAL							
RESIDUAL O							GAL
DISTILLATE OI							GA
NATURAL GAS							
OTHER							
INDUSTL &							
ANTHRACITE COAL							
BITUMINOUS COAL							TONS
RESIDUAL OIL							
DISTILLATE OIL						252	M GAL
NATURAL GAS							CUFT
OTHER							
SOLID WASTE	67						
MUNICIPAL INCIN							
OPEN-BURNING							T
ON-SITE INC N							
OTHER	67	2	30	23	19		TONS
TOTAL EMISSIONS	75	29					

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17.3 SOLID WASTE DISPOSAL

INTRODUCTION

The 'severity of the solid waste disposal problem in the North Atlantic Region is increasingly acute, as traditional methods of coping become overwhelmed, and new methods are not yet fully operative. States are being pressured by imminent pollution control deadlines which will prohibit the operation of many present dumps, landfills, and incinerators. (According to the U.S. Environmental Protection Agency, from 80 percent to 92 percent of New England disposal sites still use open burning. Personal Communication, 1974). Advanced technology is 'requisite for alternative solutions, yet even when available, it is not always economically or politically feasible.

The problem is most critical in population centers, where the demands on the disposal system are high, but where sites (usually for landfill) are increasingly scarce. The less populated states, such as Maine and New Hampshire, not being. pressured by such circumstances, can still depend on local solution. However, regional planning - by regional planning districts, counties, or states - is called for in the more densely populated states. Such cooperation is necessary to share the financial burden of disposal facilities and to maximize their use and efficiency.

Solid waste management requires a multi-level effort, from local, state, and federal sources. The role of the federal government, through the Environmental Protection Agency, is to establish boundaries within which the disposal systems must work (especially pollution control regulations). The federal government may also provide financial support. The states, in general, each have a set of health and environmental protection laws, enforced by an appropriate state agency, but the final responsibility for solid waste disposal rests on the local governments.

METHODS

The solid waste disposal situation is changing, as states institute plans, and as deadlines for closing dumps and incinerators arrive. Data are therefore quickly outdated. As it would be misleading to present figures which are not current, only the most. recent figures are included.

Appropriate state government offices were contacted regarding existing conditions of waste generation and disposal, legislation, lines of responsibility for implementation and enforcement, and the status of statewide plans. Some regional planning agencies were contacted in Maine, Massachusetts, Connecticut and New York for regional plans.

17.3.1 FEDERAL EFFORTS

Agency

The Environmental Protection Agency (EPA), office of Solid Waste Management Programs, is the federal agency involved in solid waste management.

Legislation

The Air and Water Pollution Control Acts, Pesticide Act, and Ocean Disposal Act all give authority to EPA.

The Solid Waste Disposal Act of 1965, amended with the Resource Recovery Act of 1970, provides for federal grants of up to 50 percent, to state and interstate agencies formulating plans.

Functions

The EPA has what is termed "a catalytic role" in the solid waste program of the area. It supports disposal management efforts by granting money for research, demonstrations, and projects; by lending technical assistance; and by reviewing environmental impact statements. It has no enforcement powers. When oil spills, the EPA participates in emergency cleanup and recovery activities. It is presently trying to locate in advance sites for the disposal of oil-soaked weeds and absorbents, a problematic aspect of oil spill cleanup.

To aid states in surveying solid waste conditions, EPA published the 1968 National Survey of Community Solid Waste Practices, listing by town the methods of refuse storage, collection, and disposal; refuse generation figures; and budgetary data.

17.3.2 REGIONAL AND MULTI-STATE

Agency

The Tri-State Regional Planning Commission is an interstate agency that "defines and seeks solutions to immediate and long range problems in the development of... public facilities in the New York metropolitan region, covering 21 counties in New York and New Jersey and 6 planning regions in southwestern Connecticut" (Tri-State EPA, 1973). Established by the legislatures of three states, and designated by the federal government as the official planning agency for the region, Tri-State receives funding from state and federal sources.

Legislation

Tri-State was created in 1971 by legislative action in New Jersey, New

York and Connecticut.

Functions

Tri-State serves as a forum for coordinating regional programs and for sharing information, opinions and ideas on topics of mutual interest. The Waste Management Conference, held in May, 1973, is an example of Tri-State's efforts in the solid waste field. As a planning commission, it has no enforcement powers.

17.3.3 STATE EFFORTS

MAINE

Existing Conditions

Each community in Maine is responsible for planning and maintaining suitable disposal systems for its own area, with the result that most use the cheapest and easiest short-term method, open dumping. There were 357 acceptable operating sites in 1973, according to U.S. Environmental Protection Agency.

Additional information is available for the Greater Portland area, which encompasses Portland, South Portland, Cape Elizabeth, Scarborough, Westbrook, Gorham, Windham, Gray, Falmouth, Cumberland, Yarmouth, North Yarmouth, Casco, and Naples. These fourteen towns, forming the Greater Portland Council of Governments (COG), have a more serious waste problem than the rest of Maine because of their higher population. As of April 1974, all the member communities depended on local open dumps, often burning, for solid waste disposal - with the exception of Westbrook, which has the only sanitary landfill. Many of the open dumps are near water, and all, being open, maximize the possibility of leachate pollution by rain percolation. Thirty to fifty percent of the dumps are within the 300 foot limit from bodies of water, and will therefore be illegal as of 1 July 1975. Recent statistics of refuse generation within this region are available from the Council of Governments.

Legislation

The Solid Waste Management Act, passed in May of 1973 to become Chapter 387 of Public Law requires that:

- open burning, now widely used in open dumps, be prohibited after 1 July 1975.
- incinerators comply with air quality control standards.
- land disposal be subject to regulations for safety, health, and environmental protection. (This section attempts to control water pollution from" leachate.).

Resource recovery is encouraged, but neither required nor regulated

specifically, except as it is influenced by other land use and water disposal rules.

Regulatory Agencies

The Department of Environmental Protection, Division of Solid Waste Management was given authority to regulate refuse disposal in the state by the Solid Waste Management Act of 1973.

Municipal governments retain the power to establish and maintain disposal systems within the guidelines set by legislation and the DEP.

Plans

There is no statewide plan for a solid waste disposal system. However, in response to the deadline of 1 July 1975 against open dump burning, communities across the state are making the transition to sanitary landfill. To help towns achieve this, the DEP issued a schedule: by 15 April 1974, first progress reports were due on studies and plan preparations; by 1 July 1974, final engineering plans were due; and by 1 July 1975, compliance is required.

The Resource Recovery Advisory Committee, established by DEP, will submit a report on 1 July 1974 recommending a statewide approach to encourage recycling and resource -recovery by offering economic incentives and by removing existing barriers to recycling.

On the regional level, for the Greater Portland area, the Environmental Improvement Committee of COG presented a plan in December, 1972, which would accommodate solid waste disposal for the region for the next 20 to 30 years. A regional sanitary landfill was recommended for the final disposal, with intermediate steps of processing, salvage, and volume reduction. The nearest suitable landfill site to Portland was found in New Gloucester. (Sites are scarce in Maine because of soil types and geological configurations.) It was suggested that three regions cooperate on using the site - Greater Portland, Bath-Brunswick, and Lewiston-Auburn.

NEW HAMPSHIRE

Existing Conditions

The towns and cities of New Hampshire are responsible for their own solid waste disposal systems. As of 1973, 184 acceptable sites were operating, according to the federal EPA. Open dumps are being phased out or converted to sanitary landfill, the system foreseen as predominant in the state. Legally, open burning is prohibited with exceptions, (brush, demolition wastes, and others) and will be completely

eliminated by 1 July 1975, according to the schedule of laws and regulations. As of January, 1974, however, open burning was still prevalent in Strafford and Rockingham counties, except for in the town of Durham, which has an incinerator.

Legislation

Laws and regulations pertaining to solid waste disposal are published by the Department of Health and Welfare.

Regulatory Agency

The Department of Health and Welfare, Division of Public Health Services, has the authority to enforce regulations, inspect disposal systems, and provide technical assistance to local communities.

Plans

Although there is no statewide solid waste plan at present, the Department of Health and Welfare reports that one is being completed and should be available soon. (written communication 1974)

Two regional planning commissions have conducted studies and developed " plans - the Strafford Regional Planning Commission in Dover covering Strafford County, and the Southeastern Regional Planning Commission in Exeter for Rockingham County.

MASSACHUSETTS

Existing Conditions

Managing solid waste in Massachusetts, a densely populated state, is an increasingly severe problem. There are about 400 disposal sites, quickly being filled, and the proliferation of new sites is difficult to control. Areas suitable for landfill are already scarce. Incinerators operate at 21 locations, of which only 3 are capable of compliance with air pollution control standards. Recycling is practiced, but it is on a small scale, voluntary, and uncoordinated, its effect is barely felt. Most disposal systems are locally constructed and maintained, when sharing finances and equipment would be for more economical and efficient.

Coastal vacation areas must cope with huge volumes of trash generated by summer tourists in addition to that of year-round residents. Dukes County Planning Commission (1971) estimated that on Martha's Vineyard, the volume increases from 75 tons per week to 500 tons per week in the summer.

Legislation

Legislation authorizing regionalization of disposal efforts has existed in Massachusetts since 1965, but with little response from the local level.

In 1969, the Bureau of Solid Waste Disposal was created in the Department of Public Works, to select disposal sites, designate disposal districts, and contract for facilities and equipment.

In 1973, a bill to create a state network of regional disposal facilities and transfer stations was defeated.

Regulatory Agencies

The Department of Public Health (DPH) is responsible for the sanitary and safe operation of disposal systems. In 1970, DPH inventoried the solid waste facilities in the state and plotted them on Geodetic Survey charts. (The Division of Water Pollution Control, Department of Natural Resources, is in charge of hazardous wastes disposal such as chemicals.)

The Department of Public Works, Bureau of Solid Waste Disposal, is in charge of implementing a statewide management plan, but has no power to make participation in the plan mandatory.

A reorganization effort is underway in the Massachusetts government which may, by the end of 1974, place all those bureaus connected with solid waste management, under the Executive Office of Environmental Arrairs.

Plans

The Bureau of Solid Waste Disposal contracted Raytheon in 1972 for a Solid Waste Management Report, the beginning of a new effort to coordinate disposal activities in the Commonwealth. Regional Planning Commissions and local governments provided feedback on the Raytheon Report, recommending changes to suit each community's needs. An Interagency Planning Unit (IPU) was formed of representatives from the Departments of Public Works, Public Health, Natural Resources, and Community Affairs, to develop the plan, and as a result the following recommendations were proposed:

- mandatory formation of solid waste districts congruent with existing Regional Planning Area boundaries;
-- formation of a network of transfer stations, to which communities would haul their refuse; and regional disposal facilities, which would receive refuse from the surrounding transfer stations;
- establishment of resource recovery stations where economically

justifiable;
establishment within the Office of Environmental Affairs the authority to implement the plan;
separation of responsibilities as follows: municipal - trash collection and transportation to transfer station; state - construction, financing, and administration of the regional disposal facilities, and regulation of the entire system;
adoption of user fees to support the system.

The Legislature did not back the plan by the authorization, and soundly rejected the clause of mandatory participation. Therefore, the plan became a voluntary program coordinated by the state Bureau of Solid WasteDisposal.

An implementation schedule was set up to gradually phase in the new plan. the first steps have been completed. Arthur D. Little Company, contracted by DPW to conduct a recycling feasibility study, submitted its report in the fall of 1973. Seven regional planning agencies are already under contract to develop plans for their areas, and two more are negotiating contracts. The first project will be in the Merrimack Valley Planning District, where solid waste disposal has become a crisis needing immediate attention. Proposals for solutions are now being accepted; by the end of 1974, one will be chosen and implemented, somewhat as a model for the rest of the state.

Although the twelve regional planning districts are not being forced to join, interest and cooperation has been strong.

Three regional planning commissions have published plans for their own regions. Merrimack' Valley. Planning Commission in Haverhill is cooperating with the state to create the pilot solid waste regional system mentioned above. The Southeastern Regional Planning and Economic Development District, centered in Taunton, published an extensive solid waste management report in March, 1973. Its data, too detailed to include here, summarize by town present practices, alternative methods and their costs, and recommendations. . The Metropolitan Area Planning Council in Boston published a solid waste disposal plan for its area in 1967.

RHODE ISLAND

Existing Conditions

The principal means of solid waste disposal in Rhode Island is landfill. Two incinerators operate in Providence county, accounting for 30 percent of that county's disposal. The Pawtucket incinerator has been recently outfitted to comply with air pollution control standards.- A decision whether to update the Woonsocket incinerator has not yet been made.

Legislation

A bill passed the' legislature and was signed by the governor on 9 May 1974 creating the administrative framework for a state effort to solve the solid waste problem.

Regulating Agencies

The Department of Health, Division of Solid Waste Management has powers to enforce compliance to safety and health regulations. The bill passed in May 1974 broadened the Department's powers by authorizing it to issue licenses for disposal facilities.

Plans

The organizational framework for the state's solid waste program was outlined by the Governor's Environmental Task Force and passed by the legislature in May 1974. By this act, the Solid Waste Management Corporation was created to develop detailed implementation plans for solid waste disposal. Seven members compose the quasi-public Board of Directors of the Corporation - four appointed by the governor, of which one must be a mayor or town selectman; two by the house speaker of which one must be from the minority party; and one by the senate majority leader. An eleven-person citizen's advisory board is also provided for to oversee the Board of Directors. The Corporation will hire a small staff, and consultants will provide expertise for various stages of the project.

Patterned after Connecticut's plan, the Rhode Island plan emphasizes resource recovery as the eventual means of dealing with refuse. Landfill is the present method.

Municipalities will retain control over their own waste disposal systems - participation in the state program is not mandatory. However, the town's disposal system must meet established standards, and be solved within the town's boundaries without imposing on its neighboring towns. If a town cannot fulfill these requirements, it must join the Corporation.

As of May 1972, the state plan has not been funded. The citizenry must vote in November on the proposed $1.7 million loan. In the meantime, other means of funding are being explored, so as to begin work as soon as possible.

CONNECTICUT "

Existing Conditions

Connecticut's present solid waste disposal system depends on incineration and landfill. Twenty incinerators exist; 8 are capable of

meeting emission requirements. There are 144 landfill operations - 13 are satisfactory, 89 are unsatisfactory but salvageable, and 42 are both unsatisfactory and unsalvageable. (See Table 17-59.)

In 1972, 3,343,300 tons of municipal. wastes were processed; the projected figure for 1993, if population and solid waste generation trends continue, is more than 6,000,000 tons - a doubling. Industrial wastes amounted to 1,182,000 tons in 1972, - a figure that will increase also. (See Tables 17-60 and 17-61.)

Legislation

Public Act 845, passed in 1971, transferred the responsibility for long-term solid waste disposal solutions from the municipal governments to the state Department of Environmental Protection (DEP) mandating a statewide study and the development of a statewide plan by 1 July, 1973.

Public Act 459, passed in 1973, established the Connecticut Resources Recovery Authority as the governmental body responsible for executing the statewide plan.

Regulatory Agencies

The Department of Environmental Protection Solid Waste Management Division, determines and enforces standards and regulations for air and water quality control and solid waste disposal.

Plans

Connecticut is the first state in the study area to have a solid waste disposal plan. Their goal is to create a system emphasizing resource recovery and reuse which is flexible enough to incorporate new technological developments, minimizes environmental impacts, and is economically feasible and socially and politically acceptable. Extra attention will be given to recovery of oil and sludge wastes, now imperfectly processed

The project is intended to be a cooperative effort between the state, the municipalities, and private industry. Execution of the plan is the responsibility of the Resources Recovery Authority (RRA), composed of representatives from state and local governments, industry, and the citizenry. Like a private enterprise, RRA is financially self-sufficient, drawing revenue from user fees and marketable recycled resources. The ultimate risk, however, belongs to the state; RRA is empowered to issue bonds, design, build, and operate facilities, market recovered resources, and contract with cities for solid" waste disposal. Regulatory powers belong to the state DEP. Private industry has already played a major role in the effort: General Electric, under contract to the State, developed .the plans. It is probable that

the RRA will hire a private firm, perhaps GE, to conduct the project under its guidance.

The plan divides Connecticut into 13 wastesheds, each made up of several towns. A network of 45 transfer stations and 5 to 13 resource recovery stations will span the state. Solid waste will be hauled from the towns to transfer stations, and then to recovery plants. Recyclable trash will make its way back to the market, and what is left will be disposed by sanitary landfill.

Three demonstration recycling plants will be built to demonstrate three technologies for resource recovery - dry fuel, gas pyrolysis, and oil pyrolysis. Bridgeport, New Haven, and Hartford, all in urgent need of solid waste disposal solutions, have been chosen as the sites. After a period of monitoring, more plants will be constructed according to the following schedule: (General Electric co., 1973)

Location	Earliest Date on Line	Type of Plant	1985 Tonnage (Tons/Day)
Greater Bridgeport	Mid 1976	Dry Fuel	1,814
New Haven Area	1977	Gas Pyrolysis	1,694
Hartford Area	1978	Oil Pyrolysis	2,185
New Britain-Berlin	Mid 1973 to 1980	Dry Fuel or Gas Pyrolysis	1,915
Southwestern Region	1980	Gas Pyrolysis or Dry Fuel	1,821
Montville	1981	Pyrolysis	1,325
Waterbury	1981	Pyrolysis	1,621
Valley Region	1982	Dry Fuel or Pyrolysis	785
Danbury	1983	Pyrolysis	953
East. Windsor	1984	Pyrolysis	1,806

By 1985, it is estimated that 133 of the state's 169 towns will process their wastes through the system, with the remaining 36 towns (from lightly populated areas) joining by 1993. In 1984, then, 84 percent of the state's waste will undergo resource recovery.

Regional plans formulated by Regional Planning Agencies are now superseded by the state plan. Pieced together, they would have resulted in a system producing the following, by 1993, (General Electric Co., 1973) :

Incinerators to be modified	11
New Sanitary Landfills	94
New Volume Reduction/Transfer Facilities	
Incinerators	13
Shredders	9
Compact - Balers	1
Resource Recovery Plants	1
Transfer Stations	3
Plant Expansions	4
Existing Facilities Still Operating in 1993	
Sanitary Landfills	17
Incinerators	3
Shredders	1
Transfer Stations	3

The plans would have continued existing methods and placed very little emphasis on resource recovery.

NEW YORK

Existing Conditions

New York's solid waste problem is critical and as yet unsolved. Trash generation is increasing at an exponential rate. In 1973, 26 million tons of municipal, industrial, and commercial refuse had to be dealt with; by 1990, the figure is expected to be 60 million tons.

To handle this waste, New York has outdated and undersized facilities. There are 896 disposal areas, including forty-nine municipal incinerators which all operate in violation of local, state and federal laws.. The landfill sites are expected to last 7 more years at most (from 1974) if mounding is practiced - creating hills of the trash rather than simply filling holes. The sanitary landfill on Staten Island, the destination of New York City's waste, has had its life expectancy extended 10 years, to mid-1980's by mounding.

Some attempts to give financial aid for solid waste studies and management programs have been made by the state. In 1966, a program of

. . .

100 percent grants for municipal studies of the problem began. To date, (1973) 32 counties and New York City have completed reports, accounting for 85 percent of the population - but already, some of these findings are outdated. In 1972, the Environmental Quality Bond Act was passed, providing a $1,150,000,000 bond issue to meet the solid waste problem.

Disposal is a local responsibility. The state's role is to set guidelines and standards, and extend financial and technical assistance.

Legislation

Three laws work together to encourage solid waste management projects, award grants of up to 50 percent for planning, construction, or renovating facilities, and ensure health and environmental protection. They are:

(1) Public Health Law, Article 13, Title IX, State Aid: Planning for Collection, Treatment, and Disposal of Refuse.

(2) Public Health Law, Article 13, Title XI, State Aid: Planning for Construction of Solid Waste Disposal Facilities.

(3) Public Authorities Law, Section 1285, Subdivision 8, Chapter 999, Laws of 1972: provides for pilot projects to test new recycling technology.

Regulatory Agencies

The state Department of Environmental Conservation administers the above laws. Within the Department, the Environmental Facilities Corporation, formerly the Pure Water Authority, has the power to plan, finance, construct, buy and operate sanitary facilities for other state agencies and municipalities.

Plans

No statewide plan has been formulated in New York. Sanitary landfill is foreseen as the disposal method for rural and suburban areas for the time being, even though sites are scarce. The cities, it is realized, will eventually utilize resource recovery methods - when it is economically and technologically feasible. Construction of new incinerators has been rejected as too costly because of the required emission control equipment.

NEW JERSEY

Existing Conditions

New Jersey recognized its solid waste problem in 1966 and began collecting basic data, as the first step towards management. As of 1973, landfills numbered 370, and incinerators 3 or 4. Waste production is exceeding the capacity of the landfills, threatening to fill them, and incinerators have" been judged as too expensive to-operate correctly.. Recycling, in the developmental stage is not yet utilized. (A metals recovery system in particular is being investigated). A grants program exists for small recycling projects intended as feasibility studies for communities, but not as full-scale working systems.

New Jersey has portioned itself into solid waste disposal districts along county lines. Although cooperation has been encouraged by the state, little intermunicipal activity has occurred (1973).

Legislation

In May of 1970, two acts were passed to improve solid waste management in New Jersey:

(1) Sol id Waste Management Act created within the Department of Environmental Protection an advisory council on solid waste disposal. Powers and responsibilities of the Bureau of Solid Waste Management include developing a disposal plan in coordination with regional planning efforts, registering collectors and disposal facilities, conducting research, buying property, and maintaining demonstration or experimental facilities.

(2) Sol id Waste Utility Control Act authorized the Public Utility Control to manage the collection and disposal of trash, to decide on rates, franchises, and training and educational requirements on employees.

In 1973, a law was passed extending DEP's control over waste from out-of-state.

Regulatory Agencies

The Department of Environmental Protection; Division of Environmental Quality has charge of Refuse Disposal Regulations (Chapter VIII, Refuse Disposal, N.J. State Sanitary Code), the public health codes related to waste disposal. These regulations, which prohibit open dumps, limit disposal to sanitary landfills or incinerators.

The Division of Motor Vehicles has charge of licensing junkyards, by the Motor Vehicle Junk Law (N.J. Statutes Annotated Title 39, Motor Vehicles and Traffic, Chapter 11, Junkyards).

Plans

New Jersey has no statewide plan, depending instead on regional efforts guided and encouraged by the state. Of the 21 disposal districts (most congruent with counties), 17 have either partly or fully completed disposal plans (1973). Since acreage is still available, sanitary landfill is expected to predominate as the method used.

The Hackensack Meadowlands Development Commission, in 1969 set out to make a master plan for the 18,000 acre district. One provision of the plan is the incorporation of a solid waste disposal system that can process all the waste produced by the development and by those 'outlying areas (e.g. New York City) that previously used the Meadowlands as a dumping ground.

Union County published a Report Upon Solid Waste Disposal Management in 1971, prepared by M. Disko Associates. Hudson County Department of Planning and Economic Development is preparing a solid waste study at this time (March, 1974). Middlesex County issued its Phase One section of a Comprehensive Refuse Disposal Plan in 1970, an inventory of existing conditions and methods. Later reports may be available from all these counties.

Table 17-59 PRESENT METHODS OF SOLID WASTE DISPOSAL IN CONNECTICUT, BY TOWN

NEW LONDON COUNTY	
Stonington	- landfills on Greenhaven Road site
Groton	- landfills on Flanders Road site
New London	incinerates in New London Incinerator on Trumbull St. and landfills in Bates Woods Park site
Waterford	- landfills on Miner Lane site
East Lyme	- landfills on Roxbury Road site
OldLyme	- landfills on Four Mile River Road site
MIDDLESEX COUNTY	
Old Saybrook	- landfills at Coulter Street site
Westbrook	- landfiils at McVeagh Road site
Clinton	- landfills at Old Nod Road site
NEW HAVEN COUNTY	
Madison	- landfills at Ridge Road site
Guilford	- landfills at site near Connecticut Turnpike exit in Guilford
Branford	- landfills at Tabor Drive landfill site
East Haven	- incinerated in New Haven incinerators a bulky wastes landfill is located on Silver Sands Road
blest Haven	incerates and landfills located on Front Avenue and Helm Street
Mi l ford	operates a volume reduction plant (shredder) and 1 andfi ll 1 ocated on Samuel A. Smith Lane in MIlford
FAIRFIELD COUNTY	
Stratford	incinerator on Lordship Boulevard and a landfill on Short Beach Road
Bridgeport	operates two incinerators and disposal area located at Seaside Park
Fairfield	- landfills at Rod Highway landfill site
Westport	a majority of waste is shipped to be landfilled in Beacon Falls
Norwalk	operates two incinerators located on Crescent Street and landfills in residue area adjacent to 1-95 and River Road

Darien	incinerates and landfills on Ledge Road
Stamford	operates three incinerators and two landfill sites, the incinerators are located on Incinerator Road, off Harbor-view Avenue; one fill is located adjacent to incinerators and the other is located off Shippan Avenue.
Greenwich	incinerates, located on the Old Post Road and also disposes off Old Post Road

Source: Connecticut Department of Environmental Protection, written communication, 1974

Table 17-60 SUMMARY OF SOLID WASTE PRODUCTION
'BY PLANNING REGION, 1972

Region	Annual Tonnage Accepted (1000's)	Average Remaining Life years)
Capital Northeast	125.4	10.0
Capital Northwest	113.2	14.2
Capital Southeast	94.7	5.3
Capital Southwest	383.2	7.8
Central Connecti cut	217.3	3.5
Central Naugatuck Valley	294.5	5.7
Connecticut River Estuary	65.0	3.0
Greater Bridgeport	300.6	1.8
Housatonic Valley	274.9	6.1
Litchfield Hills	101.0	11.4
Midstate	77.3	1.6
Northeastern	63.2	15.8
Northwestern	15.7	28.8
South Central	512.1	2.8
Southeastern	237,2	3 . 5
Southwestern	320.3	3.2
Stafford-Union	5.6	2.0
Valley	89.7	5.1
Windham	52.4	6.0
	3343.3	5.4

Statewide Average Life = 5.4 years

Average Waste per Capita (1972) = 1.06 tons per person per year

Source: General Electric Co., 1973.

Table 1.7-61 ESTIMATED INDUSTRIAL WASTE PRODUCTION, 1972

Mixed Commercial Waste	265,561.4
Paper, Cardboard, and Corrugated	190,225.1
Wood, Wood Pulp, and Cork	71,406,7
Crop and Food Processing Waste	11,738.9
Textiles	12,493.2
Leather	237,0
Rubber	13,962.9
Plastics	19,177.0
Construction and Demolition Waste	37,334.7
Glass, Pottery, and Ceramics	4,945.9
Ferrous Metals	161,081.4
Nonferrous Metals	49,628.0
Ashes and Incinerator Residue	5,155.0
Chemical Solids	173,277.5
Other Solids	144,503.9
Total Solid Wastes	1,181,782.6

Source: General Electirc Co., 1973

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17.4 OCEAN DISPOSAL AND DUMPING

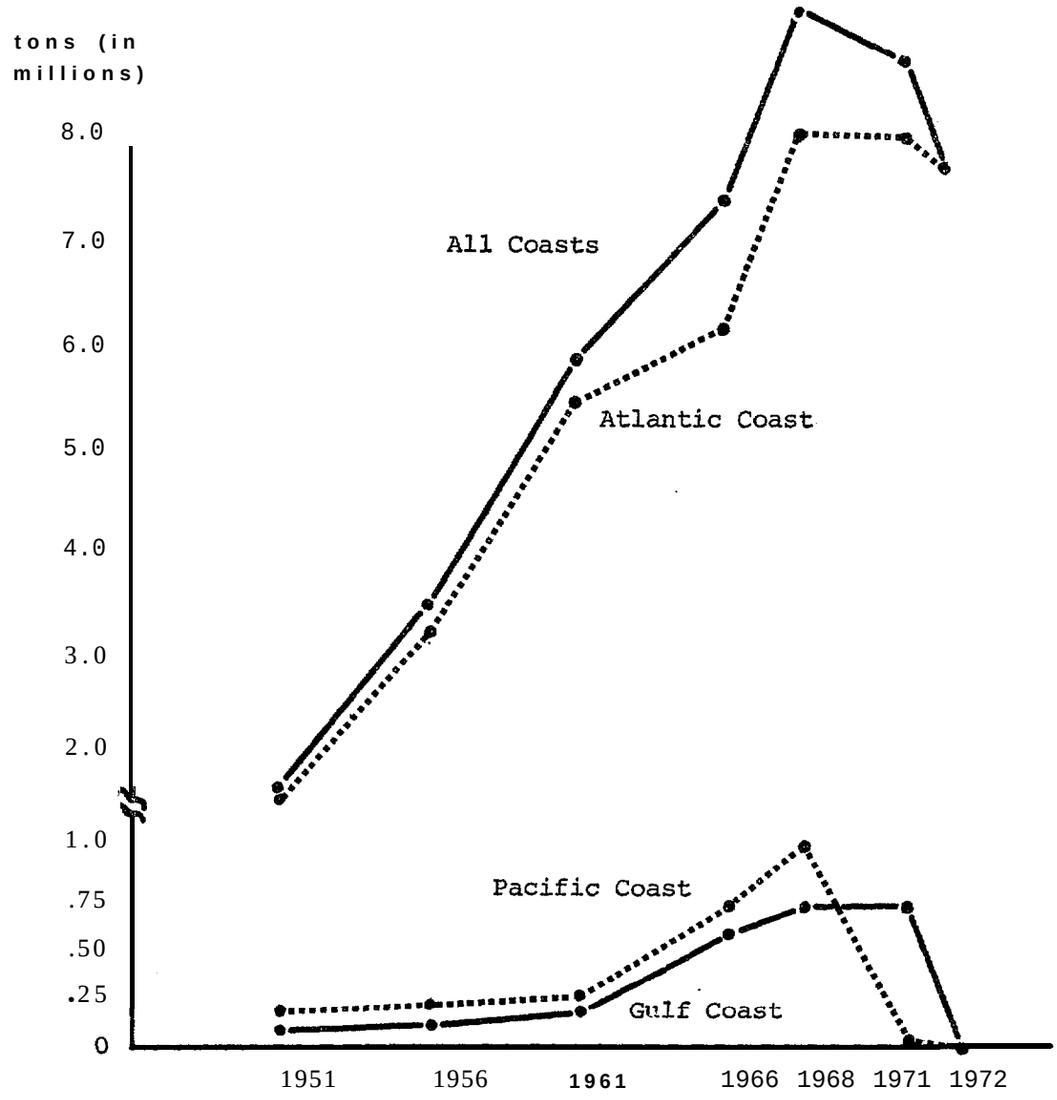
17.4.1 BRIEF HISTORY OF ACTIVITIES

A certain amount of ocean dumping has probably gone on during most of the present century primarily as a result of the disposal of dredge spoil from harbors and rivers to maintain navigable waters. No records appear to have been kept of the increase in volume and diversity of disposal of other materials into the ocean until after World War II. The first historical data available are from 1949 when about 1 million tons of materials (excluding dredge spoil, radioactive wastes, and roil-itary explosives) were estimated to be dumped off all United States coasts{ Smith and Brown, 1970). The historic trend since then is shown in Figure 17-60.

An appraisal of the national status of ocean dumping of solid and liquid wastes was conducted for Environmental Protection Agency, Bureau of Solid Waste Management in 1968-1969 by the Dillingham Corporation. This study was the first survey on a nationwide basis and summarized the records of sea disposal of 20 major U.S. port cities. Results indicated that in the year 1968, approximately 62 million tons of wastes were disposed of in the ocean at a cost of $37 million. During this time there were about 250 disposal sites for which the U.S. Army Corps of Engineers had issued permits. About 65 of those sites were located within the present BLM study region. For all coasts, 52 million tons consisted of dredge spoil or about 80 percent by weight. Next in importance was industrial wastes at 4.7 million tons, and ranking third was sewage sludge at 4,5 million tons. Other materials in lesser amounts were construction and demolition debris, solid waste, explosives, chemical munitions, radioactive wastes and miscellaneous materials.

Three cities which contributed the majority of materials dumped in the study area are Boston, New York, and Philadelphia. The various studies and summaries (Smith and Brown, 1970, CEQ, 1970, and Smith and Brown, 1971), did not publish records of volume or type of material for these areas above. The location of all sites in use prior to 1971 and the type of material permitted there is shown in Figure 17-61. The coordinates are given on Table 17-62. Most of these sites have been discontinued following new legislation, described subsequently. However, since some have been in use for 30 years they may be good baseline references or areas to note in future surveys.

Following the EPA study, and based on these data, a broader presentation was prepared by the President's Council on Environmental Quality called Ocean Dumping, a National Policy (1970). The recommendations for ultimate cessation of ocean dumping and a set of immediate regulations for various toxic and harmful materials were put forth in this document.

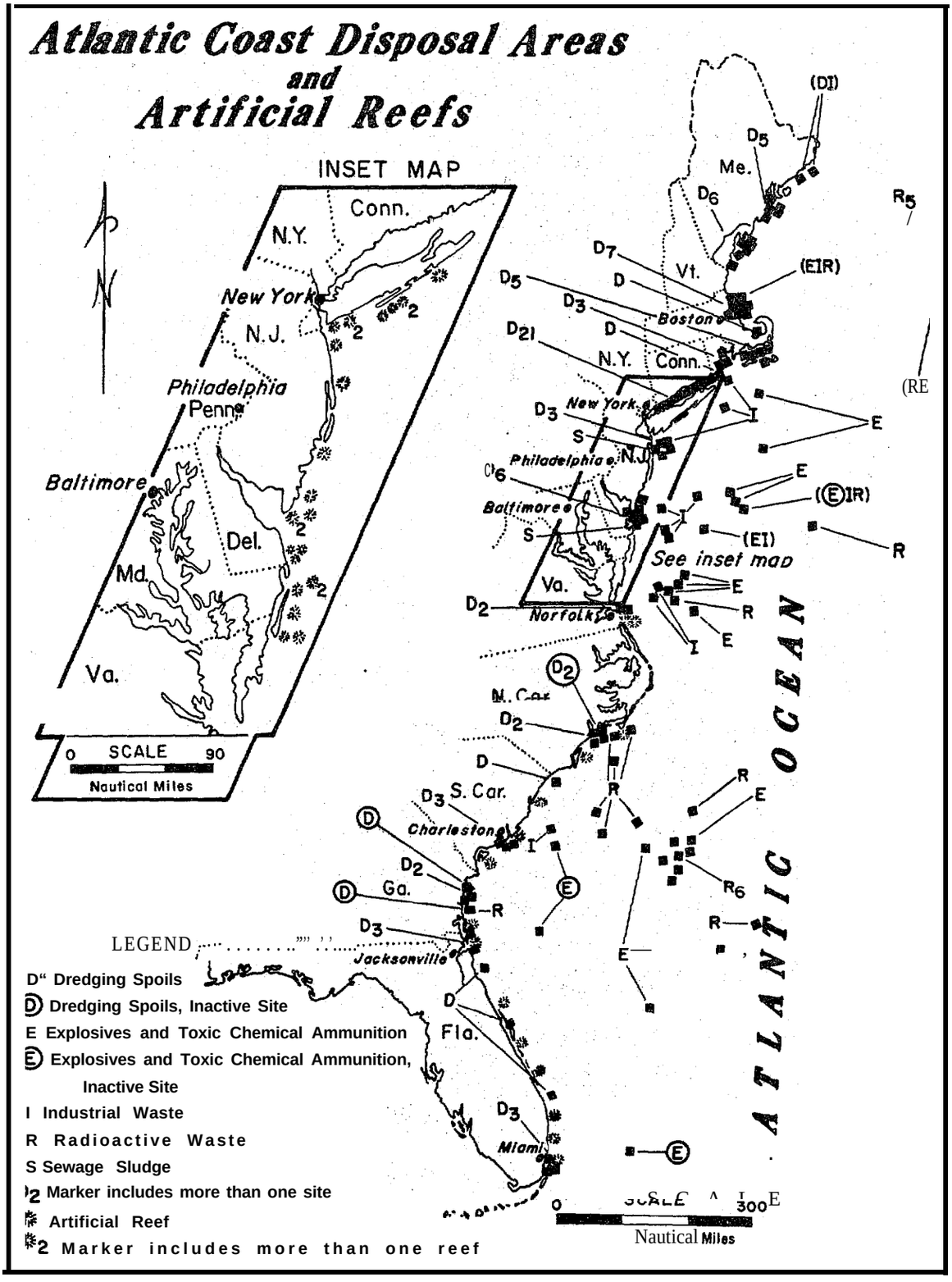


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FIGURE 17-60

Average Annual Tonnage Dumped at Sea (Brown and Shenton, 1971)



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FIGURE 17-61

Atlantic Coast Disposal Area and Artificial Reefs (Smith and Brown, ,1971)

TABLE 17-62

CHARACTERISTICS OF MARINE WASTE DISPOSAL AREAS

(Smith and Brown 1971)

Atlantic Coast Disposal Areas

Latitude North	Longitude west	Depth Fathom.%	Distance N. Miles	Chart Source	Note	Comment
			Dredging Spoils			
44° 26′	67° 46′	22	4	1201		Cape Split, Me. (C&GS)
44° 24′	68°55′	23	3	1205		Belfast, Me. (C&GS)
44° 14′	68°55′	16	6	1203		#1 Camden, Me. (CE)
44°12′	69°01′	31	2	1203		#2 Camden, Me. (CE)
44°07′	69”03′	24	2	1203		#3 Rock land, Me. (CE)
44°16′	68”58′	18	2	1203		#4 Lincolnville, Me. (CE)
43”56′	69° 24′	17	2	313		#5 Round Pond, Me. (CE)
43°40′	70°10′	16	3	325		Portland, Me. (C&GS)
43° 38′	70°10′	17	2	325		#6 Portland, Me. (CE)
43°40′	70° 08′	12	4	325		Portland, Me. (C&GS)
43”34′	70°02′	24	8	1204		Portland, Me. (C&GS)
43°19′	70° 27′	14	1	1205		#7 Kennebunk Port, Me. (CE)
42”50′	70”34′	29	7	1206		Portsmouth, N.H. (C&GS)
42°27′	70”44′	25	5	1207		#10 Boston, Mass. (CE)
42°21′	70°40′	29	7	1207		#13 Boston, Mass. (CE) Prov. #11
42°32′	70°40′	30	3	1207		#8 Boston, Mass. (CE)
42°30′	70°46′	20	2	1207		#9 Boston. Mass. (CE)
42°16′	70°41′	14	3	1207		#11 Boston, Mass. (CE) Prov. #13
42°33′	70°47′	11	1	1207		#12 Boston, Mass. (CE)
42°16′	70°34′	29	7	1207		Boston, Mass. (C&GS)
41°38′	70”02′	5	1	114SC		Monomoy Is., Mass. (C&GS)
41°36′	70°17′	5	1	114SC		Hyannis, Mass. (C&GS)
41°36′	70°41′	3	1	1210		W Falmouth, Mass. (C&GS)
42°00′	70°34′	14	1	1208		#14 Plymouth, Mass. (CE)
40°45′	70°50′	32	30	1107		Martha’s Vineyard, Mass. (C&GS)
41°21′	70°06′	8	3	1209		#15 Nantucket Is., Mass. (CE)
41°34′	70°50′	3	1	252		#16 West Island, Mass. (CE)
41°23′	71°18′	18	5	1210		#17 Narragansett Bay, R.I. (CE)
41°21′	71°21′	18	5	1210		Narragansett Bay, R.I. (C&GS)
41°11′	71°31′	21	1	1210		#18 Block I., R.I. (CE)
41°18′	71°55′	18	2	116SC		Stonington, Corm. (CE)
41°18′	72°00′	12	2	116SC		North Dumpling, Corm. (CE)
41°16′	72”05′	11	2	1211		New London, Corm. (CE)
41°13′	72°05′	8	5	1211		Little Gull Is. (CE)
41°16′	72°11′	14	1	1211		Niantic Bay, Corm. (CE)
41°11′	72”14′	20	6	1211		Orient Pt., L. I., N.Y. (CE)
41°14′	72°20′	19	2	1212		Cornfield Shoal (CE)
41° 13′	72°31′	19	2	1212		Clinton Harbor, Corm. (CE)
41°04′	72°35′	19	2	1212		Mattituck, L. I., N.Y. (CE)
41°11′	72”43′	12	4	1212		Falkner Island, Corn. (CE)
41°10′	72°48′	12	5	1212		Branford, Corm. (CE)
41°09′	72°53′	11	5	1212		New Haven, Corm. (CE)
41°07′	73°02′	11	4	1212		Milford, Corm. (CE)
41°01′	73”07′	26	2	1212		Port Jefferson, L. I., N.Y. (CE)
41”04′	73°12′	11	3	1213		Bridgeport, Corm. (CE)
41°00′	73°13′	18	4	1213		Smithtown, Bay, L. I., N.Y. (CE)
41°04′	73°17′	11	3	1213		Southport, Corm. (CE)
40°59′	73°20′	15	4	1213		#23 S. Norwalk, Corm. (CE) Prov. #19
40°59′	73°26′	24	4	1213		South Norwalk, Corm, (CE)
41°01′	73°27′	13	3	1213		South Norwalk, Corm. (CE)
40°59′	73°31′	18	3	1213		Stamford, Corm. (CE)
40°24′	73”51′	15	10	1215		Sandy Hook, N.J. (MUD) (CE)
40°23′	73”49′	17	10	1215		Sandy Hook, N.J. (CELLAR) (CE)
			Industrial			
44° 26′	67° 46′	22	4	1201		Cape Split, Me.
44° 23′	68° 50′	23	3	1203		Belfast, Me.
42° 25′	70° 35′	52	10	1207		Boston, Mass.
41° 03′	71° 29′	26	17	1211		Montauk Pt., L.I., N.Y.
40° 34′	71° 57′	34	30	1000	5	Montauk Pt., L.I., N.Y.
40° 20′	73° 40′	13	15	1215	4	Sandy Hook, N.J. (CE)

Table 17-62 (cont.)

Explosives and Toxic Chemical Ammunition[1]

42" 25'	70°35'	52	10	1207		Boston, Mass.
41°33'	65°33'	1305	196	1000		Cape Cod, Mass.
40°44'	70"51'	35	4 5	1000		Montauk Ft., N.Y.
39°38'	71° 00'	1250	97	1000		Montauk Pt., N. Y., CHASE X, VIII, XH, CHASE XXI[2]

Radioactive

43°49'	45° 00"	>200.0	> 800	---		Central Atlantic (AEC)
42"25'	70°35'	52	10	1207		Boston, Mass. (AEC)
42°97'	45000'	> 2000	7800	---		Central Atlantic (AEC)
41° 33'	65"33'	1305	196	1000		Cape Cod, Mass. (NAS-NRC)

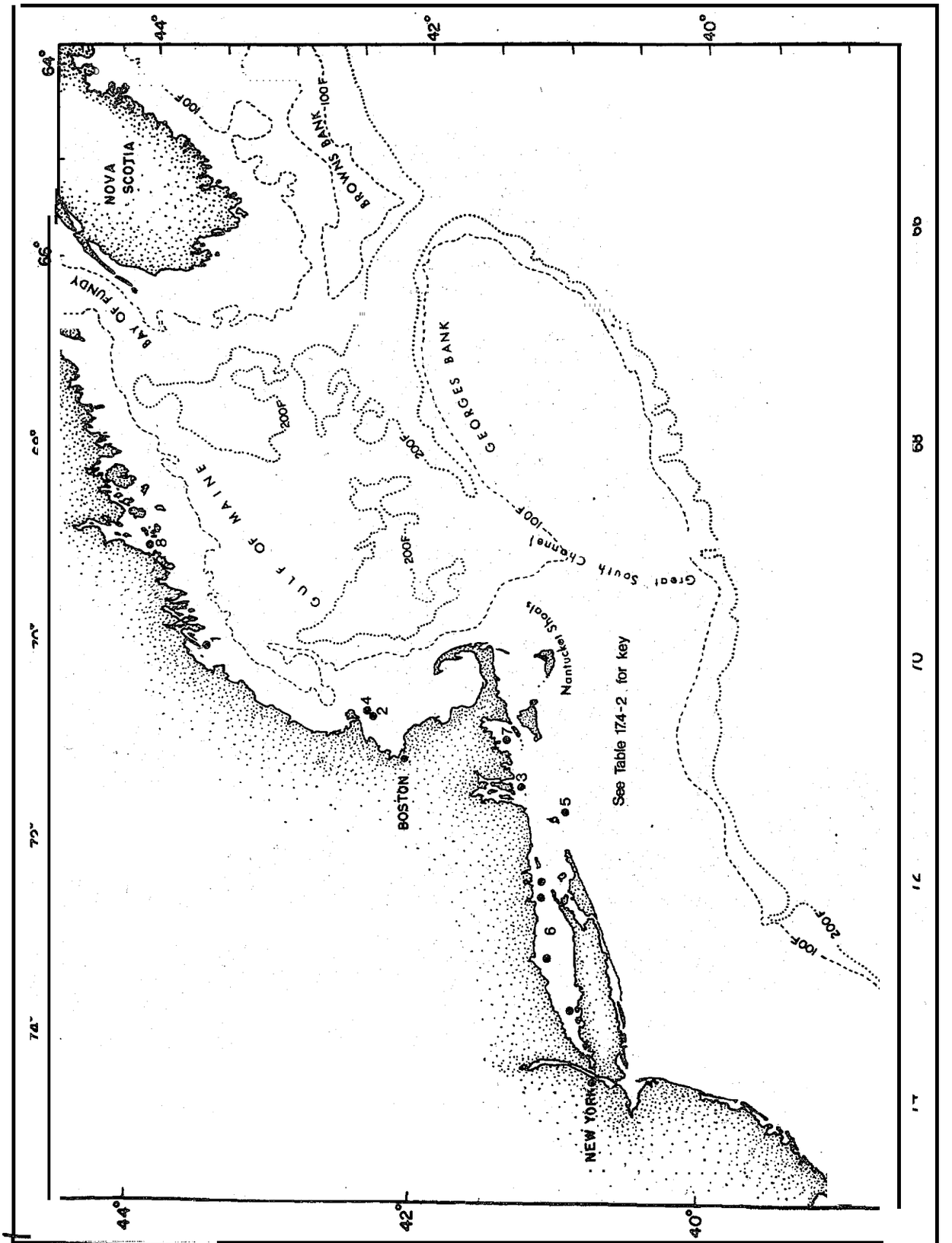
During the following year the U.S. Senate Subcommittee on Air and Water Pollution conducted hearings on the subject of ocean dumping, biological effects, possible damage to the environment, so on (Hearings on Water Pollution Control Legislation Ocean Dumping, Part 5, March, 1971). EPA published revised edition of the Dillingham Study (Smith and Brown, 1971). This report constitutes the most thorough published study of all aspects of the disposal situation and specific description of sites, effects, and types of waste may be found here. The recommendations of the CEQ were transmitted by the President in a message to Congress on April 15, 1970, and resulted in legislation signed in 1972 under the broad aegis of the Marine Protection, Research and Sanctuaries Act 1972, PL-92-532, but more commonly referred to as the Ocean Dumping Act. Final Regulations and Criteria were promulgated by EPA, the responsible agency, (Federal Register, Vol. 38, No. 198, October 15, 1973). The result of this legislation gives the permit responsibility to EPA for all materials except dredge spoil which still resides with the U.S. Army Corps of Engineers, although EPA can reject permits. The 65 or so sites for New England, New York, and New Jersey, documented in 1968, have now been reduced to 8 for EPA Region I and 4 for the BLM study area portion of EPA Region II which is in northern New Jersey. These sites have been documented in the Federal Register May 16, 1973 for Interim Dumping Sites. More recent information (Randy Braun of EPA, Personal Communication) indicates a change of approved sites resulting in 11 interim designated areas for New England (EPA Region I) and six in Region II. Table 17-63 lists the location and description of these and Figure 17-62 shows where they are located in both regions.

According toW. S. Rosenberg of EPA Region I (Personal Communication): "All sites are either interim or tentative at this point in time. Before the sites for ocean disposal and in all probability for dredged spoils are finalized, environmental assessment statements will have to be filed and the sites published in the Federal Register. Plans for baseline survey and monitoring are presently being formulated by EPA to be carried out by EPA and other agencies and site users."

17.4.2. PRESENT LAWS

(1) Ocean Dumping is governed by the Marine Protection, Research, and Sanctuaries Act of 1972, PL 92-532, in which regulations published by EPA (Federal Register, October 15, 1973) describe procedures for ocean dumping.

(2) Also applicable are regulations regarding degradation of territorial seas, contiguous zones, and the ocean, in compliance with Section 402 of PL 92-500, Federal Water Pollution Control Act Amendments of 1972.



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FIGURE 17-62 Location of Existing Interim Sites.

Table 17-63 Active interim sites for ocean disposal and dredged spoils (1974)

1. Center - 43° 32' 09"N, 70° 00'W (Portland) radius 1.0 mile beyond states waters. Designation very tentative for ocean disposal.

2. 42° 21'N, 700 40'W (Boston Light) - 2 square N. miles - designation interim - primary use dredged spoils - within Massachusetts waters.

3. 410 23' 03"N, 71° 18' 17"W (Brenton Reef) - 2 square miles - designation interim - within Rhode Island waters; primary use - dredged spoils.

4. 42° 26' 00"N, 700 35' 00"W (Foul site) radius 1.0 N. mile - designation interim - outside state waters; primary use - toxic wastes.

5. 41° 03'N, 71° 29'W, (Sulfuric Acid Site.); interim designation; outside states waters; primary use - toxic wastes.

6. Four sites are designated tentatively within Long Island Sound for dredged spoils. They are New Haven dumpsite, New London dumpsite, Eaton's Neck dumpsite, Cornfield shoal dumpsite. All are within states waters of New York and Connecticut (no toxics allowed).

7. A site for dredged spoils is being looked at in Buzzards Bay. This is within states waters. The exact location has not been decided on but is awaiting the outcome of a study being conducted by the N.E. Aquarium.

8. A site for dredged spoils is currently being used in Rockland Harbor with an accompanying study being conducted by Maine Department of Sea and Shore Fishing.

SOURCE : EPA Region I, January 14, 1974.
(See Figure 17-62 for location of these sites.)

(3) In addition, also applying is PL 92-583, 86 stat. 1280, Coastal Management Act of 1972, which requires a dumper requesting a federal permit to acquire the state's concurrence with the application but only after a state has had its coastal zone management program approved by the Secretary of Commerce.

(4) Various sections of the Rivers and Harbors Acts of 1899 and 1902 apply to activities of the U. S. Army Corps of Engineers as stated in the Federal Register May 10, 1973, pg. 12217-12230, which states the proposed rules for permits for dredged material to be discharged to navigable waters.

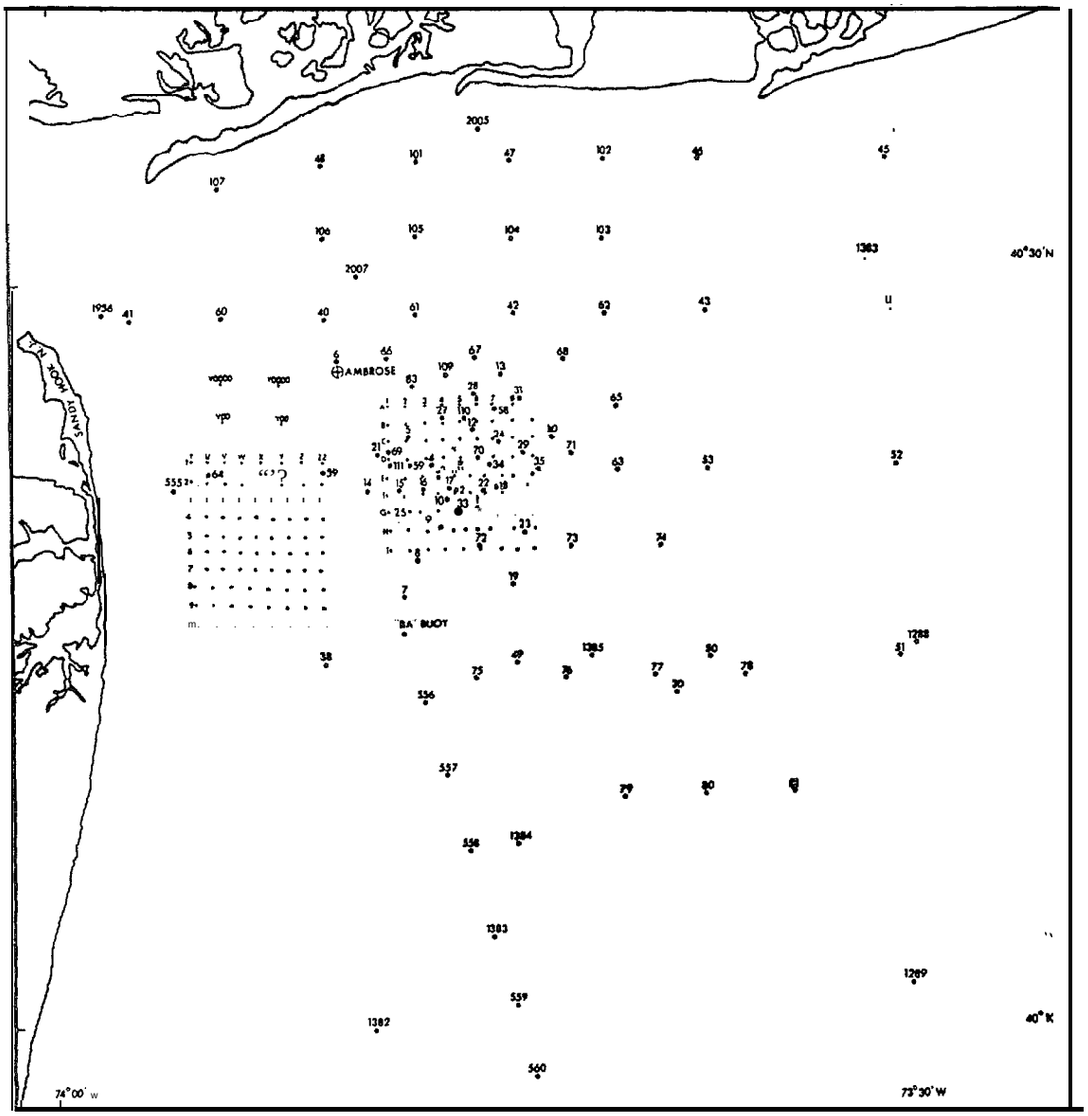
(5} Section 404 ofPL 92-500 Federal Water Pollution Control Act authorizes the Secretary of the Army, through the Chief of Engineers, to issue permits for discharge of dredged material into the navigable waters at specific disposal sites. The selection of disposal sites will be at the discretion of the Administrator of EPA who can prohibit or restrict the use of any defined area of discharge if judged to have an unacceptable adverse effect on municipal water supplies, shellfish beds, fishery areas, wildlife, or recreation areas.

17.4.3. SUMMARY OF SELECTED RECENT AND ON-GOING RESEARCH

Smith and Brown (1971) identified three areas of environmental research efforts related to ocean disposal. These were: development of baseline environmental data, laboratory studies of waste toxicity, and studies of the biota. In addition, under the category of monitoring they discussed regulatory and environmental monitoring.

The only area lying within our study area that has received as much research monitoring and surveillance is New York City and the surrounding New York Bight. Extensive projects supported by NOAA, USACE, and municipal/county groups have accumulated a wealth of baseline data beginning in the 1960's. A review of these data may be found in The Effects of Waste Disposal in the New York Bight, Summary Final Report prepared by NMFS Sandy Hook Laboratory, April, 1972. A brief review, Ocean Dumping in the New York Bight, Facts & Figures was prepared by U. S. EPA Region II, July, 1973. The former is based on several years of study of benthic organisms sampled at 307 stations shown in Figure 17-63. Additional geological sampling is described by Swift, Cok, and McKinney (in press). These baseline data will be valuable in assessing damage to biota in subsequent years.

Farther up the coast work begun by Saila et al., (1968) and (1973) investigated the effects of contaminated dredge spoils resulting from deepening of Providence Harbor and River, which were placed at several adjacent sites southeast of Breton Light, Rhode Island. This



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FIGURE 17-63

Benthic Sample Stations New York Bight (NOAA/NMFS, 1972)

investigation examined the re-colonization of the dump area and predicted future numbers of species.

A series of investigations have been initiated by the New England Division of the Corps of Engineers to examine the effects that may occur at several proposed or recently begun dredging projects.

An example of these is the New Haven Maintenance Project. A project description is available in the Environmental Impact Statement prepared by the U'. S. ACE, July., 1973. University research groups have investigated the proposed dump sites (Rhodes, 1973) and looked at the benthic conditions prior to disposal. A similar but smaller study was begun in 1973 by the Maine Department of Marine Resources at Rockland, Maine, to evaluate the effects of spoil disposal on existing fisheries and benthic communities. A summary of the preliminary results of these projects in New England have been reported (Third Ocean Disposal Conference, Boothbay Harbor, Maine,. April 1973).

A more detailed listing of on-going research may be found in Appendix C. There are also several excellent bibliographies prepared recently. A general bibliography for all of New York Bight is Ali (1973) with 2,500 citations. Several bibliographies on dredging and dredge spoils are available (Morton, 1973; Bohlen and DeVine, 1972).

EPA has sponsored a contract with Interstate Electronics Corporation for a national investigation with emphasis on case study areas. A bibliography resulted from this study as well as the Directory of Personnel in Ocean Waste Disposal (Interstate Electronics Corp., Oceanic Division, 1973).

Other research outside of the dredging issue involves consideration of potential disposal sites for solid wastes and the possible biological effects (Pratt, et al., 1973; Loder and Shevenell, 1973).

17.4.4 SIGNIFICANCE AND VALUE

There are several ways in which information from ocean disposal activities may be of considerable value to the date baseline.

A. With the recent law, "Ocean Dumping Act", EPA and Corps of Engineers will be conducting several potential site examinations, monitoring, bio-assay, and other forms of research both at dredge sites and at several prospective dump sites for each proposed disposal permit. These data, as they are accumulated, will form an important base for future evaluations. A list of current Environmental Impact Statements for dredge projects is shown on Table A-19 for New England. In several of these statements it appears there may be a number of applications for dredging in connection with harbor development to allow deeper draft vessels to supply new or enlarged refineries.

An example at hand is the proposed deepening of Portland Harbor to 50 feet to accommodate a marine terminal that would produce several million cubic yards of spoil. The baseline studies may be conducted over several years and would undoubtedly add immeasurably to the meager information now on hand at several proposed offshore dump sites.

B. There have been several research studies into the effects of ocean dumping with the possibility of municipal waste disposal. Studies such as Pratt et al., (1973) and Loder and Shevenell (1973) if carried on for a period of time may provide either specific data in localities or more general information that can be applied to other areas of a similar habitat.

RELATED DISCUSSIONS

See Chemical Oceanography; Chapter 4.3.
Geological Oceanography, Offshore Chapter 3.1 Section 3.1.10.

17.4.5 REFERENCES

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