Rothe, Rich.

River Stretches Receiving Additional Protection Under The 1983 Rivers Act

through Amendments to the Mandatory Shoreland Zoning Act and the Subdivision Law

HD211.M2R6 1983

Coastal Zone Information Center

COASTAL ZONE

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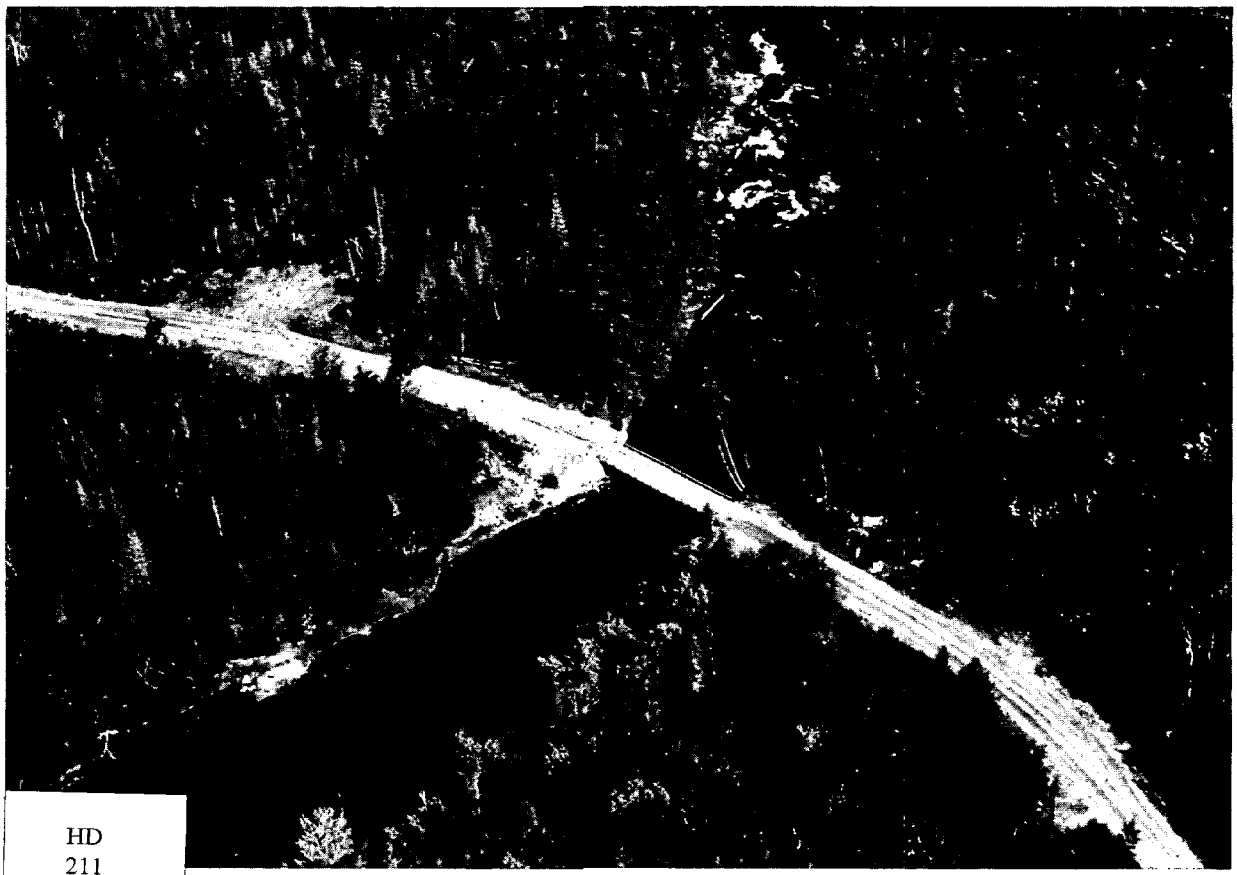

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STATE OF MAINE
EXECUTIVE DEPARTMENT
STATE PLANNING OFFICE

JOSEPH E. BRENNAN
GOVERNOR

RICHARD E. BARRINGER
DIRECTOR

November 9, 1983

Dear Concerned Citizen:

The recently concluded 111th Legislature enacted historic and far-reaching laws to guide future development of Maine's rivers.

The legislation touched on many areas: dam permitting, fisheries management, state park developments, enforcement of land use laws, and streamlined environmental procedures.

A key provision of this package identifies certain extremely valuable Maine river stretches, representing a small fraction of Maine's total river mileage, and amends the Mandatory Shoreland Zoning Law and the Subdivision Law to protect them from unwise development.

Implementation of these Shoreland Zoning and Subdivision amendments lies in the hands of the hundreds of dedicated citizen volunteers who comprise Maine's local planning boards.

This handbook is designed to help planning boards and citizens understand and implement these amendments. It includes an explanation of the changes, the text of the amendments, an index of affected municipalities and rivers, and detailed maps showing the location of the protected segments across the State. We hope you will find it useful.

If there is any further assistance you may need with the new legislation, please let me know. Meanwhile, thank you for your cooperation in supporting this important endeavor. I am certain that your fellow citizens, as well as future generations of Maine citizens, will be grateful for your work.

With best wishes,

Sincerely,

Richard Barringer

Richard E. Barringer
Director

REB:nv

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CONTENTS

PAGE

INTRODUCTION:.....i

PART 1: Explanation of the changes to the Mandatory Shoreland Zoning Act and the Subdivision Law.....4

PART 2: Text of amendments to Mandatory Shoreland Zoning Act and Subdivision Law.....4

Mandatory Shoreland Zoning Act..4

Subdivision Law.....8

PART 3: Municipal Index of affected rivers with reference to detailed maps.....12

PART 4: River index with reference to affected municipalities and detailed maps.....21

PART 5: Maps of affected river segments.....Index

Report prepared by Rich Rothe. Graphics by Dick Kelly. Typing by Nellie Stevens.

INTRODUCTION

Maine's rivers have historically been the source of Maine's settlement patterns, transportation, and energy development. With industrialization, the rivers were allowed to become degraded. In the last ten years, with many millions of dollars of public and private funds invested in wastewater treatment, the rivers are being cleaned up. They now represent a major resource for the State's future.

Governor Joseph E. Brennan chose this historic moment to propose a rivers program to guide their future development. The program was designed to balance energy development and river protection and provide the maximum benefits for the State. It was enacted by the Maine Legislature as Chapter 458 of the Public Laws of 1983.

The Rivers Bill, as it was called, dealt with many things: dam permit procedures, river corridor commissions, state recreation programs, and environmental laws. Of particular interest to local officials and planning board members are changes made to the laws regarding shoreland zoning and subdivisions. These changes are designed to protect unique river segments from unwise and short-sighted development.

This handbook is a guide for local officials in implementing the changes in the shoreland zoning and subdivision laws. It contains an explanation of the changes; the text of the changes; an index of municipalities affected by the changes; and index of the rivers affected by the changes; and a set of detailed maps showing the river segments affected by the changes. The index of municipalities and rivers contains a cross-reference to specific maps that show the locations of the rivers.

PART 1: EXPLANATION OF THE CHANGES TO THE MANDATORY SHORELAND ZONING ACT & SUBDIVISION LAW

The following is a general discussion of the amendments to the Mandatory Shoreland Zoning Act, Title 12 MRSA Sections 4811-4817, and the Subdivision Law, Title 30, MRSA Section 4956.

Shoreland Zoning Amendments

The Mandatory Shoreland Zoning Act was enacted in 1971 to regulate land development within 250 feet of lakes and ponds over 10 acres in size, salt water, and rivers from that point at which they drain 25 square miles or more to their respective outlets. The Act requires municipalities to adopt shoreland zoning ordinances, or their equivalent, in accordance with minimum standards adopted the the Board of Environmental Protection and the Land Use Regulation Commission. These standards are contained in the publication "Guidelines for Municipal Shoreland Zoning Ordinances", dated December 15, 1973. The Guidelines ordinance contains such things as a requirement for 20,000 square feet of lot area and a 75-foot setback for residential dwelling units. The law specifies that if a municipality fails to enact a local ordinance, the Board of Environmental Protection and the Land Use Regulation Commission, in consultation with the State Planning Office, shall adopt an ordinance for that municipality. Municipalities are required by law to administer and enforce their shoreland zoning ordinances, whether locally adopted or State-imposed.

The amendments to the Mandatory Shoreland Zoning Act require that municipalities with shoreland along certain, identified river segments incorporate new requirements into their municipal ordinances before December 15, 1984. The requirements, which are not in effect until such time as adopted by the respective municipalities, include the following:

1. Structure setbacks. New principal structures must be set back 125 feet from the normal high water mark unless a greater setback is required by local ordinance, and must be screened from the river by existing vegetation. Cleared openings 30 feet wide for every 100 feet of shoreline may be created in these areas. The most effective screening will probably occur when the cleared opening is offset from the location of the dwelling, though such an offset is not required by the language of the amendments.

2. Roads. Except for roads that provide access to permitted structures and facilities, new permanent roads must be located outside the 250-foot shoreland zone. If there are no reasonable alternatives for roads outside the 250-foot zone, the new road must be located as far as possible from the normal high water mark, and screened from the river.

The determination of whether there are no reasonable alternatives, and whether a road is located as far as possible from the normal high water mark, is left to the administrators of the local ordinances.

3. Gravel pits. Developers of new gravel pits must demonstrate that no reasonable mining sites exist outside the 250-foot shoreland zone. Where gravel pits must be located within the zone, they shall be set back as far as possible from the normal high water mark. Such gravel pits may not be located closer than 75 feet to the normal high water mark, and must be screened from the river by existing vegetation. Again, the determination of whether practical alternatives exist, and whether a gravel pit is located as far as possible from the river, is left to those who administer the ordinance.

The law states that the Board of Environmental Protection and the Land Use Regulation Commission shall adopt these requirements for any municipality that fails to meet the December 15, 1984 deadline. Municipalities will be required to administer and enforce these requirements, whether they are incorporated into the local ordinance or imposed by the State.

Other changes to the Shoreland Zoning Act include a provision that those who order work done in violation of an ordinance, or those who perform the work, may be subject to a fine; courts may award reasonable attorney fees; ordinances may provide that fines shall inure to the municipality; and utilities shall not install services to any new structure located in a shoreland area unless the applicant submits written authorization to the effect that all local permits have been obtained.

Subdivision Amendments

In 1971, the Legislature enacted the present Subdivision Law, which requires that all proposed subdivisions receive the review and approval of the municipal reviewing authority which, in most cases, is the local planning board. The Subdivision Law provides for controlled and orderly growth of the community, and protects future homeowners from purchasing a lot that is unsuitable for development.

The new amendments to the Subdivision Law apply to specific river segments, and require that after September 23, 1983, the following requirements be met:

1. Frontage and setback. Lots in proposed subdivisions must be designed to have a combined frontage and setback from the normal high water mark of 500 feet. For example, a lot with 100 feet of frontage in a new subdivision would require a setback for the principal structure of 400 feet (100 feet

plus 400 feet equals 500 feet). Lot depth would therefore have to be greater than 400 feet to accomodate the structure. Practically speaking, a lot with 100 feet of frontage would probably require a depth of at least 450 feet. Therefore, when lots are designed to meet the 500 feet requirement, it is recommended that at least 50 feet be added to the depth of the lot to allow for the structure setback and a reasonable amount of yard space.

If a river is protected by amendments to both the Subdivision Law and the Mandatory Shoreland Zoning Act, the minimum setback for the principal structure will have to be 125 feet, so this requirement will have to be taken into account when designing the lot.

2. Lots with no frontage. For lots which fall within 250 feet of these river segments, but do not have frontage, the proposed subdivision must be reviewed as if the proposed lot extended to the shore.

3. Exempt areas. The combined frontage/setback requirement shall not apply to the following areas:

   a. Those areas designated as a General Development District or its equivalent in the municipality's shoreland zoning ordinance; or

   b. Those areas designated by municipal ordinance as being densely developed. The law defines "densely developed" as any commercial, industrial, or compact residential area of 10 or more acres with an existing density of at least 1 principal structure per 2 acres.

PART 2: TEXT OF AMENDMENTS TO MANDATORY SHORELAND ZONING ACT AND SUBDIVISION LAW

Amendments to Mandatory Shoreland Zoning Act

Title 12 MRSA Section 4811, as amended by PL 1973, c. 564, Section 1, is further amended by adding after the first paragraph a new paragraph to read:

It is further declared that, in accordance with section 402, certain river and stream segments, as identified in the Department of Conservation's 1982 Maine Rivers Study and as specifically delineated in section 4811-B, are significant river segments and deserve special shoreland zoning controls designed to protect their natural and recreation features.

Title 12 MRSA Section 4811-A, as enacted by PL 1973, c. 564, Section 2, is repealed and the following enacted in its place:

Section 4811-A. Definitions

As used in this chapter, unless the context indicates otherwise, the following terms have the following meanings.

1. Pond. "Pond" means any inland body or water which has a surface area in excess of 10 acres, except where the body of water is man-made and in addition is completely surrounded by land held by a single owner, and except those privately owned ponds which are held primarily as waterfowl and fish breeding areas or for hunting and fishing.

2. Principal structure. "Principal structure" means a building other than one which is used for purposes wholly incidental or accessory to the use of another building on the same premises.

3. River. "River" means a free flowing body of water from that point at which it provides drainage for a watershed of 25 square miles to its mouth.

4. Screening. "Screening" means a buffer strip of vegetation retained between the permitted use and the normal high water mark of a protected river segment. Within this buffer strip, no clear cutting is permitted, except that openings not greater than 30 feet in width for every 100 feet of shoreline may be created. Selective cutting of no more than 40% of the trees 4 inches or more in diameter measured at 4 1/2 feet above ground level is allowed in any 10-year period, provided that a well-distributed stand of trees remains.

Sec. 4. 12 MRSA Section 4811-B is enacted to read:

Section 4811-B. Signficant river segments identified

For purposes of this chapter, significant river segments include the following:

	MAP NUMBER
1. Aroostook River. The Aroostook River from St. Croix Stream in Masardis to the Masardis and T. 10, R. 6, W.E.L.S. townline, excluding segments in T.9, R.5, W.E.L.S.; including its tributary the Big Machias River from the Aroostook River in Ashland to the Ashland and Garfield Plantation townlines;	1
2. Dennys River. The Dennys River from the railroad bridge in Dennysville Station to the dam at Meddybemps Lake, excluding the western shore in Edmunds Township and No. 14 Plantation;	2
3. East Machias River. The East Machias River from 1/4 of a mile above the Route 1 bridge in East Machias to the East Machias and T.18, E.D., B.P.P. townline, and from the T.19, E.D., B.P.P. and Wesley townline to the outlet of Crawford Lake in Crawford, excluding Hadley Lake;	2
4. Fish River. The Fish River from the bridge in Fort Kent Mills to the Fort Kent and Wallagrass Plantation townline, and from the Portage Lake and T.14, R.6, townline to the Portage Lake and T.13, R.7, W.E.L.S. townline, excluding Portage Lake;	3,1
5. Machias River. The Machias River from the Whitneyville and Machias townline to the Northfield T.19, M.D., B.P.P. townline;	2
6. Mattawamkeag River. The Mattawamkeag River from the outlet of Mattakeunk Stream in Winn to the Mattawamkeag and Kingman Township townline, and from the Reed Plantation and Bancroft townline to the East Branch, including its tributaries the West Branch from the Mattawamkeag River to the Haynesville T.3, R.3, W.E.L.S. townline and from its inlet into Upper Mattawamkeag Lake to the Route 2 bridge; the East Branch from the Mattawamkeag River to the Haynesville and Forkstown Township townline and from the T.4, R.3, W.E.L.S. and Oakfield townline to Red Bridge in Oakfield; the Fish Stream from the Route 95 bridge in Island Falls to the Crystal-Patten townline; and the Baskehegan Stream from its inlet into Crooked Brook Flowage in Danforth to the Danforth and Brookton Township townline;	4,5
7. Narraguagus River. The Narraguagus River from the ice dam above the railroad bridge in Cherryfield to the Beddington and Devereaux Township townline, excluding Beddington Lake;	6

	MAP NO.
8. East Branch of Penobscot. The East Branch of the Penobscot from the Route 157 bridge in Medway to the East Millinocket and Grindstone Township townline;	5
9. Pleasant River. The Pleasant River from the railroad bridge in Columbia Falls to the Columbia and T.18, M.D., B.P.P. townline, and from the T.24, M.D., B.P.P. and Beddington townline to the outlet of Pleasant River Lake;	6
10. Rapid River. The Rapid River from the Magalloway Plantation and Upton townline to the outlet of Pond in the River;	7
11. West Branch Pleasant River. The West Branch Pleasant River from the East Branch to the Brownville and Williamsburg Township townline; and	8
12. West Branch of Union River. The West Branch of the Union River from the Route 9 bridge in Amherst to the outlet of Great Pond in the Town of Great Pond.	9

Title 12 MRSA Sections 4815, 4816 and 4817 are enacted to read:

Section 4815. Enforcement

Any person who orders or conducts any activity in violation of a municipal ordinance adopted under this chapter shall be subject to a civil forfeiture of not less than $100 nor more than $1,000 for each offense.

The Attorney General, the district attorney or the municipal officers may enforce ordinances adopted under this chapter. The court may award municipalities reasonable attorney fees for actions under this section, and ordinances may provide that civil forfeitures shall inure to the municipality.

No public utility, water district, sanitary district or any utility company of any kind may install services to any new structure located in a shoreland area, as defined by section 4811, unless written authorization attesting to the validity and currency of all local permits required under this chapter has been issued by the appropriate municipal officials.

Section 4816. Guidelines for shoreland zoning along significant river segments

In addition to the guidelines adopted under section 4812, the following guidelines for the protection of the shorelands shall apply along significant river segments identified in section 4811-B. These guidelines are intended to maintain the special values of these particular river segments by protecting their scenic beauty and undeveloped character.

1. New principal structures. New principal structures, except for structures related to hydropower facilities, shall be set back a minimum of 125 feet from the normal high-water mark of the river. These structures shall be screened from the river by existing vegetation.

2. New roads. Developers of new permanent roads, except for those providing access to a structure or facility allowed in the 250-foot zone, shall demonstrate that no reasonable alternative route outside of the zone exists. When roads must be located within the zone, they shall be set back as far as practicable from the normal high-water mark and screened from the river by existing vegetation.

3. New gravel pits. Developers of new gravel pits shall demonstrate that no reasonable mining site outside of the zone exists. When gravel pits must be located within the zone, they shall be set back as far as practicable from the normal high-water mark and no less than 75 feet and screened from the river by existing vegetation.

Section 4817. Municipal ordinance review and certification

Each municipality with shorelands along significant river segments, as identified in section 4811-B, shall review the adequacy of the zoning on these shorelands to protect the special values cited for these river segments by the Department of Conservation's 1982 Maine Rivers Study and for consistency with the guidelines established under section 4816. Prior to December 15, 1984, each such municipality shall certify to the State Planning Office either that its existing zoning for these areas is at least as restrictive as the guidelines established under section 4816, or that it has amended its zoning for this purpose. This certification shall be accompanied by the ordinances and zoning maps covering these areas. Failure to accomplish the purpose of this subsection shall result in adoption of suitable ordinances for these municipalities, as provided for in section 4813.

Amendments to Subdivision Law

Title 30 MRSA Section 4956, subsection 1, as repealed and replaced by PL 1975, c. 475, Section 1, is amended by adding at the end a new paragraph to read:

A "densely developed area" is defined as any commercial, industrial or compact residential area of 10 or more acres with an existing density of at least one principal structure per 2 acres. A principal structure is defined as any building other than one which is used for purposes wholly incidental or accessory to the use of another building on the same premises.

Title 30 MRSA Section 4956, Subsection 1-A is enacted to read:

1-A. Special protection for the shorelands of outstanding river segments. In accordance with Title 12, section 402, outstanding river segments shall include:

	MAP NO.
A. The Aroostook River from the Canadian border to to the Masardis and T.10, R.6, W.E.L.S. townline, excluding the segment in T.9, R.5, W.E.L.S.;	10
B. The Carrabassett River from the Kennebec River to the Carrabassett Valley and Mt. Abram Township townline;	11
C. The Crooked River from its inlet into Sebago Lake to the Waterford and Albany Township townline;	12
D. The Damariscotta River from the Route 1 bridge in Damariscotta to the dam at Damariscotta Mills;	13
E. The Dennys River from the Route 1 bridge to the outlet of Meddybemps Lake, excluding the western shore in Edmunds Township and No. 14 Plantation;	14
F. The East Machias River, including the Maine River, from 1/4 of a mile above the Route 1 bridge to the East Machias and T.18, E.D., B.P.P. townline, from the T.19, E.D., B.P.P. and Wesley townline to the outlet of Crawford Lake, and from the No. 21 Plantation and Alexander townline to the outlet of Pocomoonshine Lake, excluding Hadley Lake, Lower Mud Pond and Upper Mud Pond;	20, 14

	MAP NO.
G. The Fish River from the bridge at Fort Kent Mills to the Fort Kent and Wallagrass Plantation townline, from the T.16, R.6, W.E.L.S. and Eagle Lake townline to the Eagle Lake and Winterville Plantation townline, and from the T.14, R.6, W.E.L.S. and Portage Lake townline to the Portage Lake and T.13, R.7, W.E.L.S. townline, excluding Portage Lake;	16
H. The Kennebago River from its inlet into Cupsuptic Lake to the Rangeley and Lower Cupsuptic Township townline;	17
I. The Kennebec River from Thorns Head Narrows in North Bath to the Edwards Dam in Augusta, excluding Perkins Township, and from the Route 148 bridge in Madison to the Caratunk and The Forks Plantation townline, excluding the western shore in Concord township, Pleasant Ridge Plantation and Carrying Place Township and excluding Wyman Lake;	19,11
J. The Machias River from the Route 1 bridge to the Northfield and T.19, M.D., B.P.P. townline;	20
K. The Mattawamkeag River from the Penobscot River to the Mattawamkeag and Kingman Township townline, and from the Reed Plantation and Bancroft townline to the East Branch in Haynesville;	21
L. The Narraguagus River from the ice dam above the railroad bridge in Cherryfield to the Beddington and Devereaux Township townlines, excluding Beddington Lake;	22
M. The Penobscot River, including the Eastern Channel from Sandy Point in Stockton Springs to the Veazie Dam and its tributary the East Branch of the Penobscot from the Penobscot River to the East Millinocket and Grindstone Township townline;	23,21
N. The Piscataquis River from the Penobscot River to the Monson and Blanchard Plantation townline;	24,25
O. The Pleasant River from the bridge in Addison to the Columbia and T.18, M.D., B.P.P. townline, and from the T.24, M.D., B.P.P. and Beddington townline to the outlet of Pleasant River Lake;	20,22
P. The Rapid River from the Magalloway Plantation and Upton townline to the outlet of Pond in the River;	17

	MAP NO.
Q. The Saco River from the Little Ossippee River to the New Hampshire border;	12
R. The St. Croix River from the Route 1 bridge in Calais to the Calais and Baring Plantation townline, from the Baring Plantation and Baileyville townline to the Baileyville and Fowler Township townline, and from the Lambert Lake Township and Vanceboro townline to the outlet of Spednik Lake, excluding Woodland Lake and Grand Falls Flowage;	14,18
S. The St. George River from the Route 1 bridge in Thomaston to the outlet of Lake St. George in Liberty, excluding White Oak Pond, Seven Tree Pond, Round Pond, Sennebec Pond, Trues Pond, Stevens Pond, and Little Pond;	13
T. The St. John River from the Van Buren and Hamlin Plantation townline to the Fort Kent and St. John Plantation townline, and from the St. John Plantation and St. Francis townline to the Allagash and St. Francis townline;	15,16
U. The Sandy River from the Kennebec River to the Madrid and Township E townline;	26
V. The Sheepscot River from the railroad bridge in Wiscasset to the Halldale Road in Montville, excluding Long Pond and Sheepscot Pond, including its tributary the West Branch of the Sheepscot from its confluence with the Sheepscot River in Whitefield to the outlet of Branch Pond in China;	13
W. The West Branch Pleasant River from the East Branch in Brownville to the Brownville and Williamsburg Township townline; and	24
X. The West Branch Union River from the Route 181 bridge in Mariaville to the outlet of Great Pond in the Town of Great Pond.	22

Title 30 MRSA Section 4956, subsection 3, Paragraph L, as repealed and replaced by PL 1971, c. 454, is amended to read:

L. Whenever situated, in whole or in part, within 250 feet of any pond, lake, river or tidal waters, will not adversely affect the quality of <u>that</u> body of water or unreasonably affect the shoreline of <u>that</u> body of water.

Furthermore, when lots in a subdivision have frontage

on an outstanding river segment, as defined in subsection 1-A, the proposed subdivision plan shall require principal structures to have a combined lot shore frontage and setback from the normal high-water mark of 500 feet. To avoid circumventing the intent of this provision, whenever a proposed subdivision adjoins a shoreland strip narrower than 250 feet which is not lotted, the proposed subdivision shall be reviewed as if lot lines extended to the shore. These frontage and set-back provisions shall not apply either within areas zoned as general development or its equivalent under shoreland zoning, Title 12, section 4813, or within areas designated by ordinance as densely developed. The determination of which areas are densely developed shall be based on a finding that, as of the effective date of this Act, existing development meets the requirements of subsection 1.

PART 3: MUNICIPAL INDEX OF AFFECTED RIVERS WITH REFERENCE TO DETAILED MAPS

The following municipalities have one or more rivers within their boundaries which are designated for special protection by amendments to the Mandatory Shoreland Zoning Act, Title 12 MRSA Sections 4811-4814, and/or the Subdivision Law, Title 30 MRSA Section 4956, as set forth in the Rivers Act (see excerpts on pages). If a municipality is affected by amendments to one or both of these laws, that fact is indicated by a number in one or both of the columns entitled "Shoreland Zoning River" and "Subdivision River". The number refers to one of the 27 maps contained in this booklet showing the general location of these rivers.

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Abbot		25	Piscataquis River
Addison		20	Pleasant River
Alna		13	Sheepscot River
Alexander		14	East Machias River
Amherst	9	22	West Branch Union River (Shoreland Zoning & Subdivision)
Anson		11	Carrabassett River Kennebec River
Appleton		13	St. George River
Ashland	1	10	Big Machias River - (Tributary of Aroostook River) (Shoreland Zoning) Aroostook River (Subdivision)
Atkinson		24	Piscataquis River
Augusta		19	Kennebec River
Aurora	9	22	West Branch Union River (Shoreland Zoning & Subdivision)

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Avon		26	Sandy River
Baileyville		18	St. Croix River
Baldwin		12	Saco River
Bancroft	4	21	Mattawamkeag River (Shoreland Zoning & Subdivision)
Bangor		23	Penobscot River
Bath		19	Kennebec River
Beddington	6	22	Narraguagus River (Shoreland Zoning & Subdivision) Pleasant River (Shoreland Zoning & Subdivision)
Bingham		11	Kennebec River
Bowdoinham		19	Kennebec River
Brewer		23	Penobscot River
Brownfield		12	Saco River
Brownville	8	24	West Branch Pleasant River (Shoreland Zoning & Subdivision)
Bucksport		23	Penobscot River
Calais		14	St. Croix River
Caratunk		11	Kennebec River
Caribou		10	Aroostook River
Carrabassett Valley		11	Carrabassett River
Casco		12	Crooked River
Castle Hill		10	Aroostook River

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Centerville	2	20	Machias River (Shoreland Zoning & Subdivision)
Charlotte	2	14	Dennys River (Shoreland Zoning & Subdivision)
Chelsea		19	Kennebec River
Cherryfield	6	22	Narraguagus River (Shoreland Zoning & Subdivision)
Chesterville		26	Sandy River
China		13	West Branch Sheepscot River (Tributary of Sheepscot River)
Columbia	6	20	Pleasant River (Shoreland Zoning & Subdivision)
Columbia Falls	6	22	Pleasant River (Shoreland Zoning & Subdivision)
Cooper	2	14	Dennys River (Shoreland Zoning & Subdivision)
Cornish		12	Saco River
Crawford	2	14	East Machias River (Shoreland Zoning & Subdivision)
Crystal	5		Fish Stream (Tributary of Mattawamkeag River)
Damariscotta		13	Damariscotta River
Danforth	4		Baskahegan Stream (Tributary of Mattawamkeag River)

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Deblois	6	22	Narraguagus River (Shoreland Zoning & Subdivision)
Denmark		12	Saco River
Dennysville	2	14	Dennys River (Shoreland Zoning & Subdivision)
Dover-Foxcroft		25	Piscataquis River
Dresden		19	Kennebec River
Eagle Lake		16	Fish River
East Machias	2	20	East Machias River (Shoreland Zoning & Subdivision)
East Millinocket	5	21	East Branch Penobscot River (Shoreland Zoning) East Branch Penobscot River (Tributary of Penobscot River) (Subdivision)
Eddington		23	Penobscot River
Embden		11	Carrabassett River Kennebec River
Farmingdale		19	Kennebec River
Farmington		26	Sandy River
Fort Fairfield		10	Aroostook River
Fort Kent	3	16	Fish River (Shoreland Zoning & Subdivision) St. John River (Subdivision)
Frankfort		23	Penobscot River
Freedom		13	Sheepscot River
Frenchville		15	St. John River

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Fryeburg		12	Saco River
Gardiner		19	Kennebec River
Grand Isle		15	St. John River
Great Pond	9	22	West Branch Union River (Shoreland Zoning & Subdivision)
Guilford		25	Piscataquis River
Hallowell		19	Kennebec River
Hampden		23	Penobscot River
Harrison		12	Crooked River
Haynesville	4	21	Mattawamkeag River
Hiram		12	Saco River
Howland		24	Piscataquis River
Island Falls	5		West Branch Mattawamkeag River (Tributary of Mattawamkeag River Fish Stream (Tributary of Mattawamkeag River
Jefferson		13	Sheepscot River
Kingfield		11	Carrabassett River
Liberty		13	St. George River Sheepscot River
Limington		12	Saco River
Machias	2	20	Machias River (Shoreland Zoning & Subdivision)
Madawaska		15	St. John River
Madison		11	Kennebec River
Madrid		26	Sandy River

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Mapleton		10	Aroostook River
Mariaville		22	West Branch Union River
Masardis	1	10	Aroostook River (Shoreland Zoning & Subdivision)
Mattawamkeag	4	21	Mattawamkeag River (Shoreland Zoning & Subdivision)
Maxfield		24	Piscataquis River
Meddybemps	2	14	Dennys River
Medford		24	Piscataquis River
Medway	5	21	East Branch Penobscot River (Shoreland Zoning) East Branch Penobscot River (Tributary of Penobscot River) (Subdivision)
Mercer		26	Sandy River
Milo		24	Piscataquis River
Moscow		11	Kennebec River
Monson		25	Piscataquis River
Montville		13	St. George River Sheepscot River
Naples		12	Crooked River
Newcastle		13	Damariscotta Lake Sheepscot River
New Portland		11	Carrabassett River
New Sharon		26	Sandy River
Nobleboro		13	Damariscotta River

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Norridgewock		26	Sandy River
Northfield	2	20	Machias River (Shoreland Zoning & Subdivision)
Norway		12	Crooked River
Oakfield	5		East Branch Mattawamkeag (Tributary of Mattawamkeag River)
Orrington		23	Penobscot River
Otisfield		12	Crooked River
Palermo		13	Sheepscot River
Phillips		26	Sandy River
Pittston		19	Kennebec River
Portage Lake	1	16	Fish River (Shoreland Zoning & Subdivision)
Presque Isle		10	Aroostook River
Princeton		14	East Machias River
Prospect		23	Penobscot River
Randolph		19	Kennebec River
Rangeley		17	Kennebago River
Richmond		19	Kennebec River
Saint Francis		16	St. John River
Sangerville		25	Piscataquis River
Searsmont		13	St. George River
Sebec		24	Piscataquis River

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Solon		11	Kennebec River
Somerville		13	Sheepscot River
Standish		12	Saco River
Starks		26	Sandy River
Stockton Springs		23	Penobscot River
Strong		26	Sandy River
Thomaston		13	St. George River
Union		13	St. George River
Upton	7	17	Rapid River (Shoreland Zoning & Subdivision)
Van Buren		15	St. John River
Vanceboro		18	St. Croix River
Veazie		23	Penobscot River
Verona		23	Penobscot River
Wade		10	Aroostook River
Warren		13	St. George River
Washburn		10	Aroostook River
Waterford		12	Crooked River
Wesley	2	14	East Machias River (Shoreland Zoning & Subdivision)
Weston	4		Mattawamkeag River
Whitefield		13	West Branch Sheepscot River (Tributary of Sheepscot River)
Whitneyville	2	20	Machias River (Shoreland Zoning & Subdivision)

MUNICIPALITY	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	RIVER NAME
Windsor		13	West Branch Sheepscot River (Tributary of Sheepscot River)
Winn	4	21	Mattawamkeag River (Shoreland Zoning & Subdivision)
Winterport		23	Penobscot River
Wiscasset		13	Sheepscot River
Woolwich		19	Kennebec River

PART 4: RIVER INDEX WITH REFERENCE TO AFFECTED MUNICIPALITIES AND DETAILED MAPS

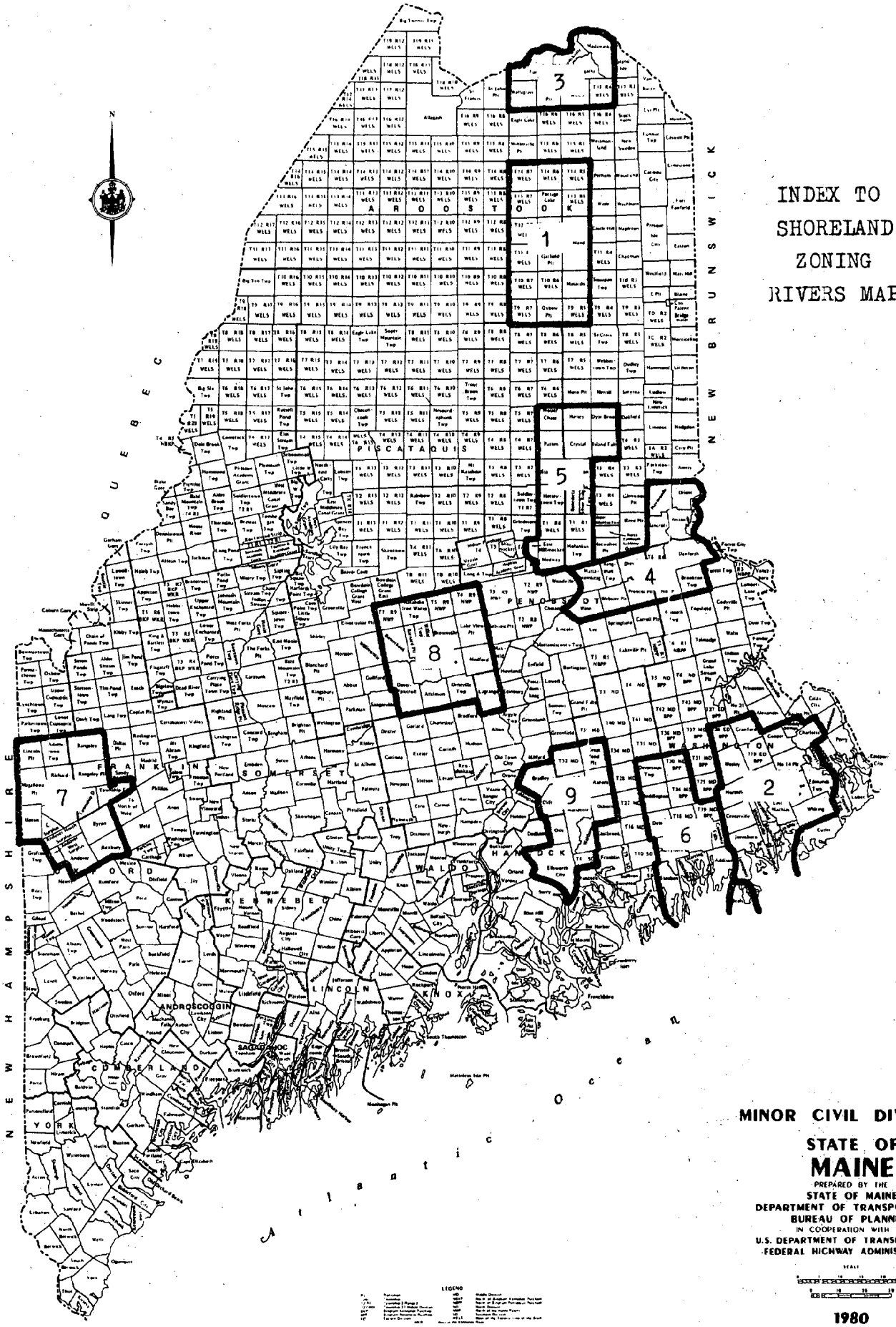
RIVER	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	AFFECTED TOWN(S) (MAP NO.)
Aroostook (Including its tributary, the Big Machias River)	1	10	Ashland (1,10), Caribou (10), Castle Hill (10), Fort Fairfield (10), Mapleton (10), Masardis (1,10) Presque Isle (10), Wade (10), Washburn (10)
Carrabassett		11	Anson (11), Carrabassett Valley (11), Embden (11), Kingfield (11), New Portland (11)
Crooked		12	Casco (12), Harrison (12), Naples (12), Norway (12), Otisfield (12), Waterford (12)
Damariscotta		13	Damariscotta (13), Newcastle (13), Nobleboro (13)
Dennys	2	14	Charlotte (2,14), Cooper (2,14), Dennysville (2,14), Meddybemps (2,14)
East Machias	2	14	Alexander (14), Crawford (2,14), East Machias (2,14), Princeton(14), Wesley (2,14)
Fish	1, 3	16	Eagle Lake (16), Fort Kent (3,16), Portage Lake (1,16)
Kennebago		17	Rangeley (17)

RIVER	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	AFFECTED TOWN(S) (MAP NO.)
Kennebec		11, 19	Anson (11),Augusta (19), Bath (19), Bingham (11), Bowdoinham (19), Caratunk (19), Chelsea (19), Dresden (19), Embden (11), Farmingdale (19), Gardiner (19), Hallowell (19), Madison (11), Moscow (11), Pittston (19), Randolph (19), Richmond (19), Solon (11), Woolwich (19)
Machias	2	20	Centerville (2,20), Machias (2,20), Northfield (2,20), Whitneyville (2,20)
Mattawamkeag (Including its tributaries, the Fish & Baskahegan Streams and the East & West Branches of the Mattawamkeag River)	4, 5	21	Bancroft (4,21), Crystal (5), Danforth (4), Haynesville (4, 21), Island Falls (5), Mattawamkeag (4,21), Oakfield (5), Weston (4), Winn (4,21)
Narraguagus	6	22	Beddington (6,22), Cherryfield (6,22), Deblois (6,22)
East Branch Penobscot	5		East Millinocket (5), Medway (5)
Penobscot (Including its tributary the East Branch Penobscot)		21, 23	Bangor (23), Brewer (23), Bucksport (23), East Millinocket (21), Eddington (23), Frankfort (23), Hampden (23), Medway (21), Orrington (23), Prospect (23), Stockton Springs (23), Veazie (23), Verona (23), Winterport (23)

RIVER	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	AFFECTED TOWN(S) (MAP NO.)
Piscataquis		24, 25	Abbot (25), Atkinson (25), Dover-Foxcroft (25), Guilford (25), Howland (24), Maxfield (24), Medford (24), Milo (24), Monson (18), Sangerville (25), Sebec (24)
Pleasant	6	22	Addison (20), Beddington (6,22), Columbia (6,20), Columbia Falls (6,20)
Rapid	7	17	Upton (7,17)
Saco		12	Baldwin (12), Brownfield (12), Cornish (12), Denmark (12), Fryeburg (12), Hiram (12), Limington (12), Standish (12)
St. Croix		14, 27	Baileyville (18), Calais (14), Vanceboro (18)
St. George		13	Appleton (13), Liberty (13), Montville (13), Searsmont (13), Thomaston (13), Union (13), Warren (13)
St. John		15, 16	Fort Kent (16), Frenchville (15), Grand Isle (15), Madawaska (15), St. Francis (16), Van Buren (15)
Sandy		26	Avon (26), Chesterville (26), Farmington (26), Madrid (26), Mercer (26), New Sharon (26), Norridgewock (26), Phillips (26), Starks (26), Strong (26)

RIVER	SHORELAND ZONING RIVER (MAP NO.)	SUBDIVISION RIVER (MAP NO.)	AFFECTED TOWN(S) (MAP NO.)
Sheepscot (Including its tributary the West Branch Sheepscot)		13	Alna (13), China (13), Freedom (13), Jefferson (13), Liberty (13), Montville (13), Newcastle (13), Palermo (13), Somerville (13), Whitefield (13), Windsor (13), Wiscasset (13)
West Branch Pleasant	8	24	Brownville (8,24)
West Branch Union	9	22	Amherst (9,22), Aurora (9,22), Great Pond (9,22), Mariaville (22)

PART 5: MAPS OF AFFECTED RIVER SEGMENTS


INDEX TO
SHORELAND
ZONING
RIVERS MAPS
MINOR CIVIL DIVISIONS
STATE OF
MAINE
PREPARED BY THE
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING
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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
1980
QUEBEC
NEW BRUNSWICK
NEW HAMPSHIRE
Atlantic Ocean
PISCATAQUIS
AROOSTOOK
PENOBSCOT
WASHINGTON
HANCOCK
FRANKLIN
SOMERSET
KENNEBEC
WALDO
OXFORD
ANDROSCOGGIN
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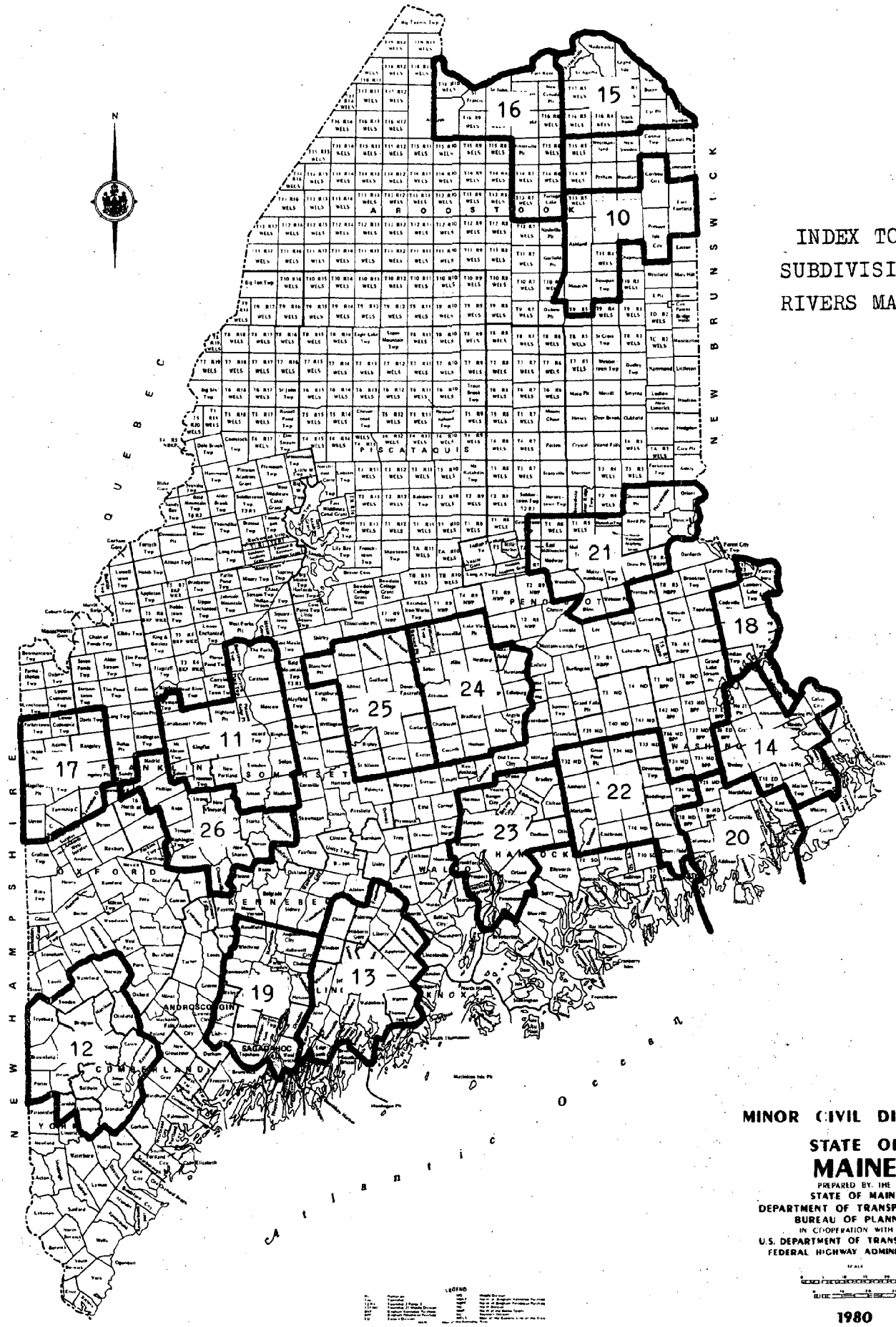
INDEX TO
SUBDIVISION
RIVERS MAPS
MINOR CIVIL DIVISIONS
STATE OF
MAINE
PREPARED BY THE
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING
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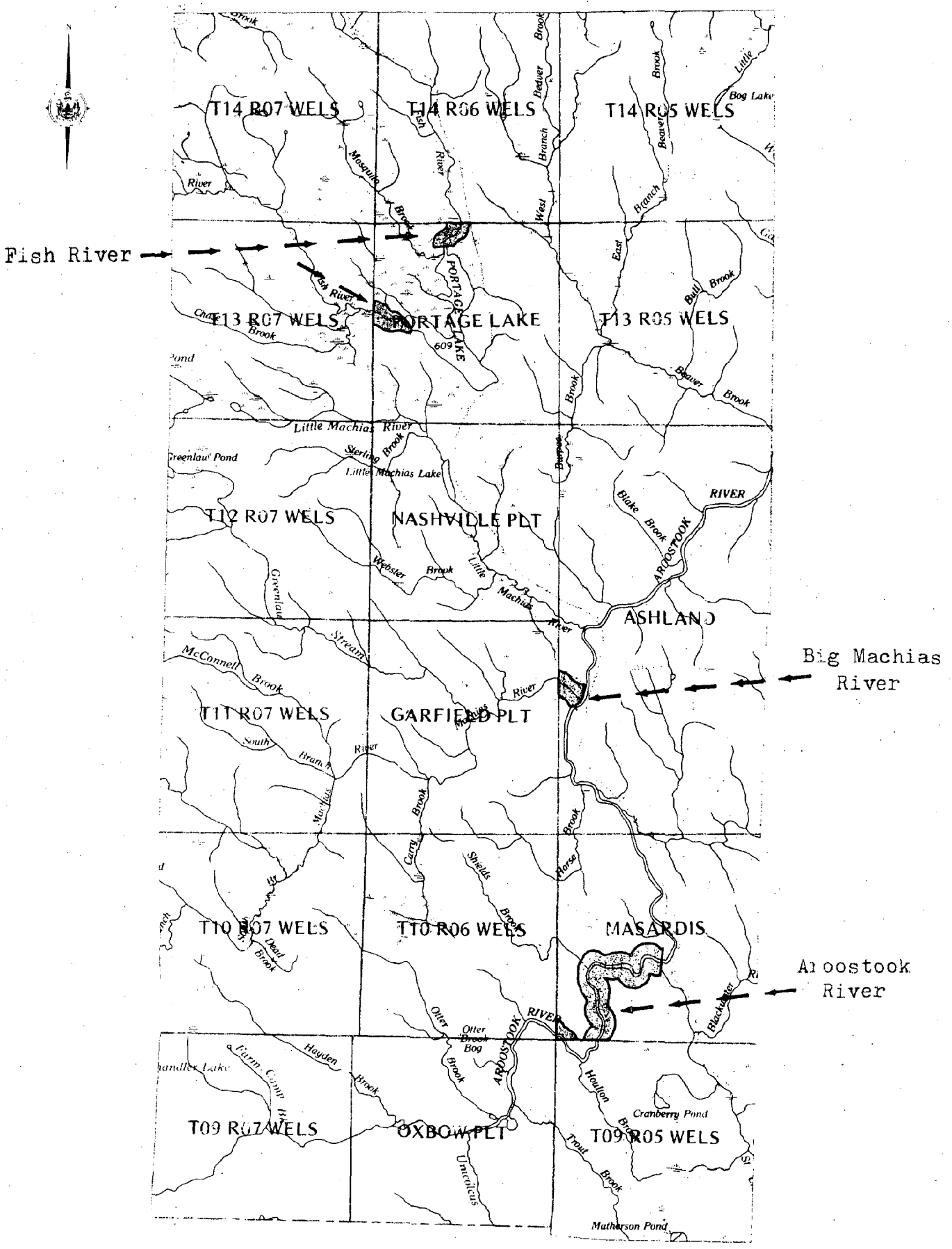
SHORELAND ZONING RIVERS MAP 1



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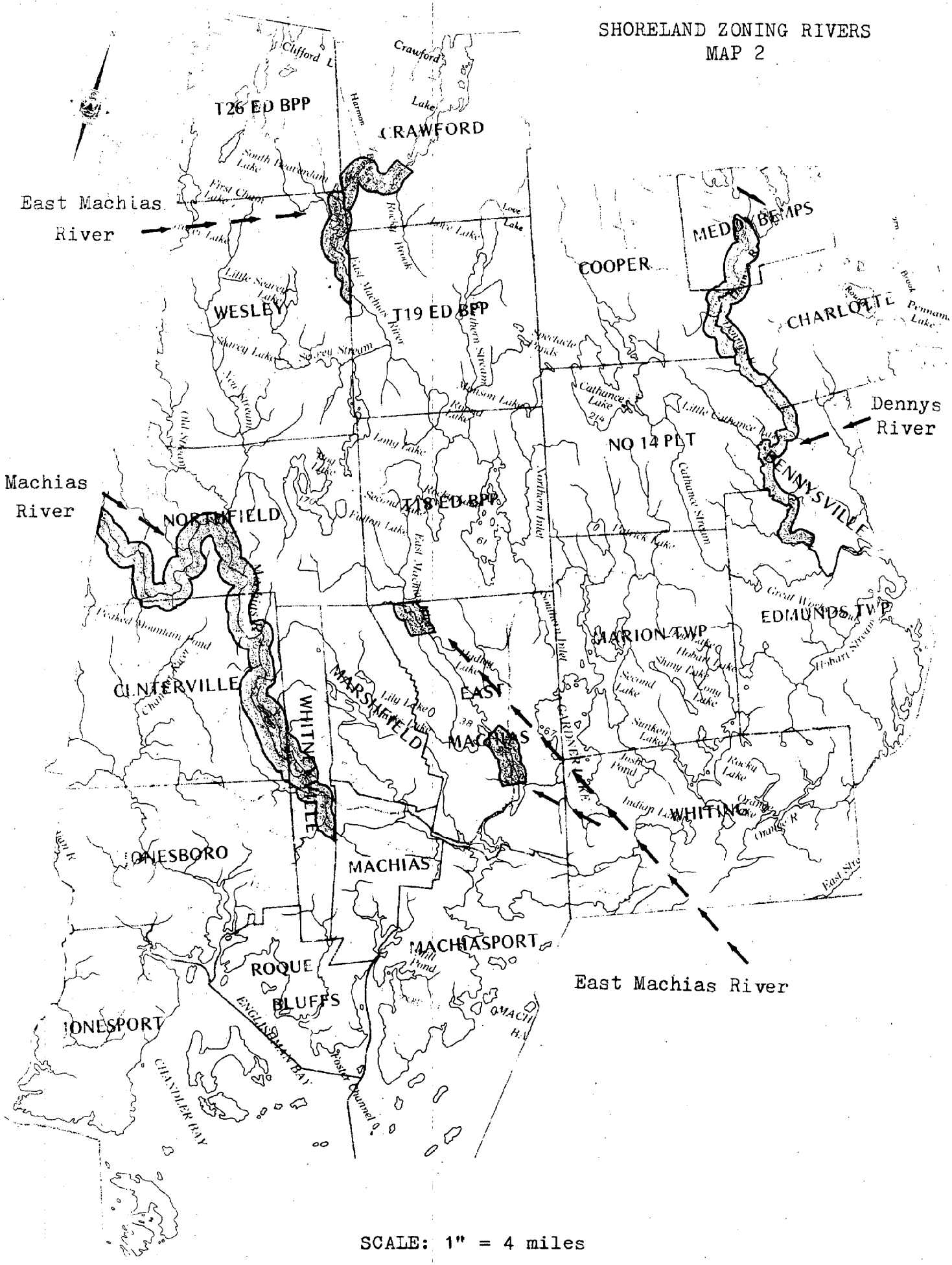
SHORELAND ZONING RIVERS
MAP 2



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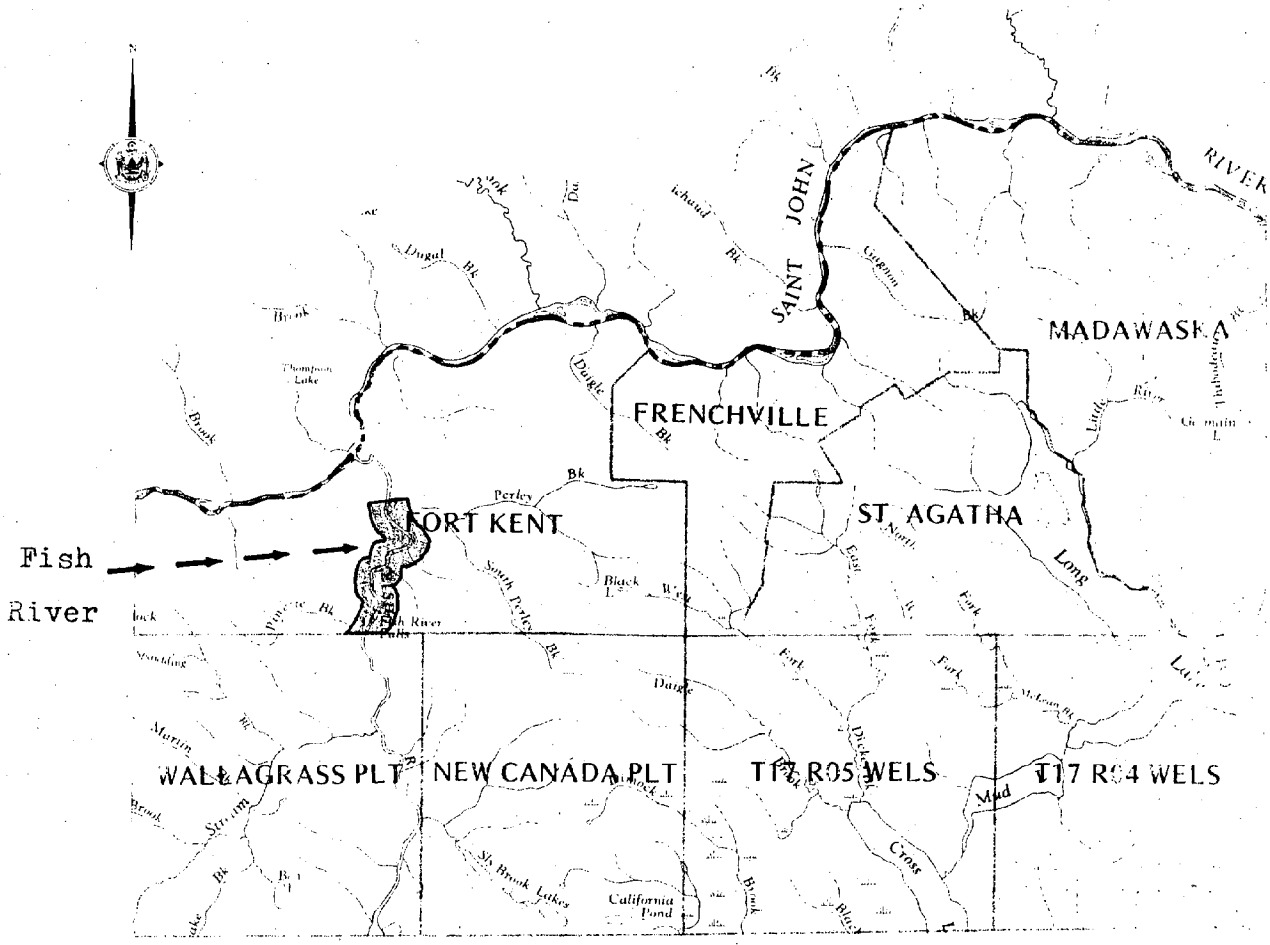
SHORELAND ZONING RIVERS MAP 3



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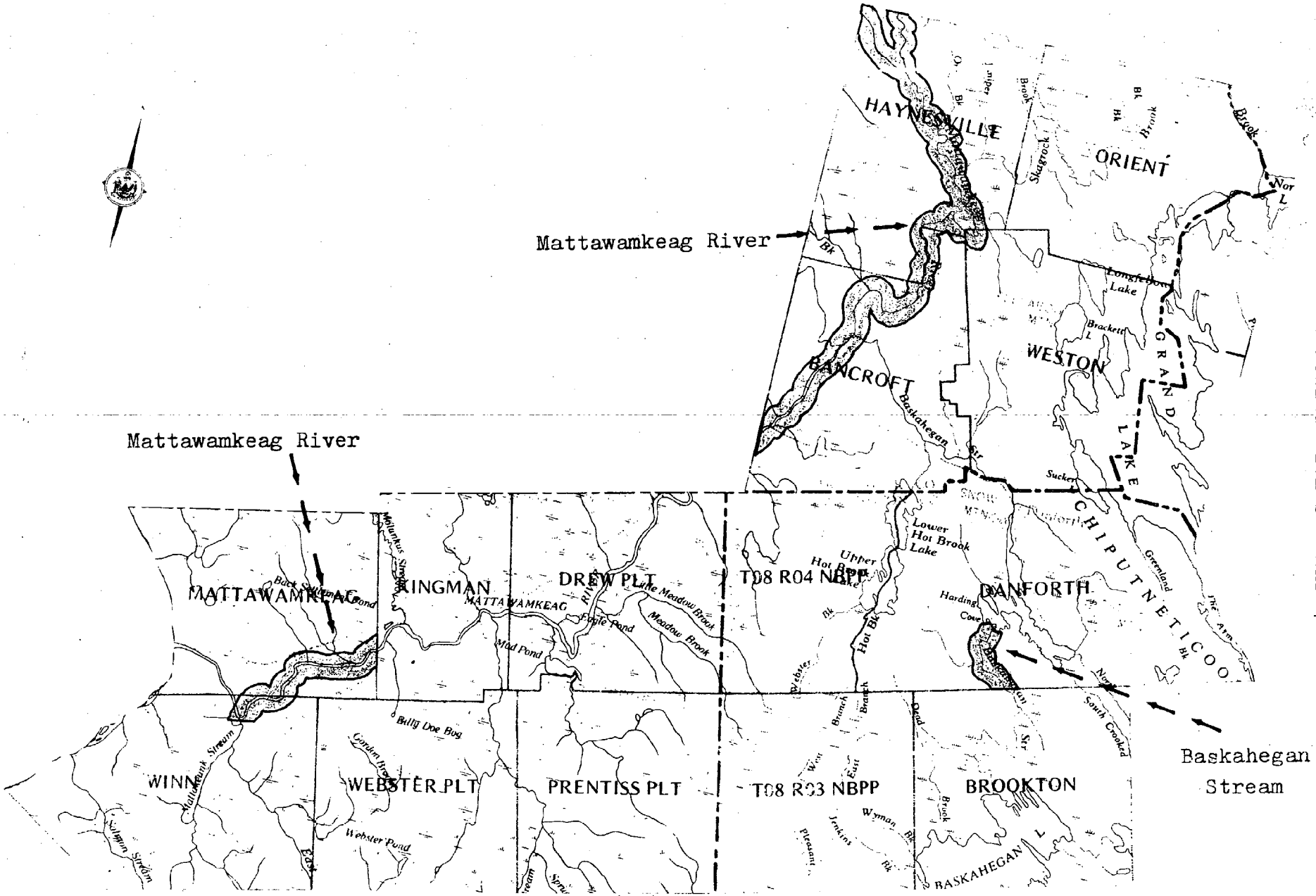
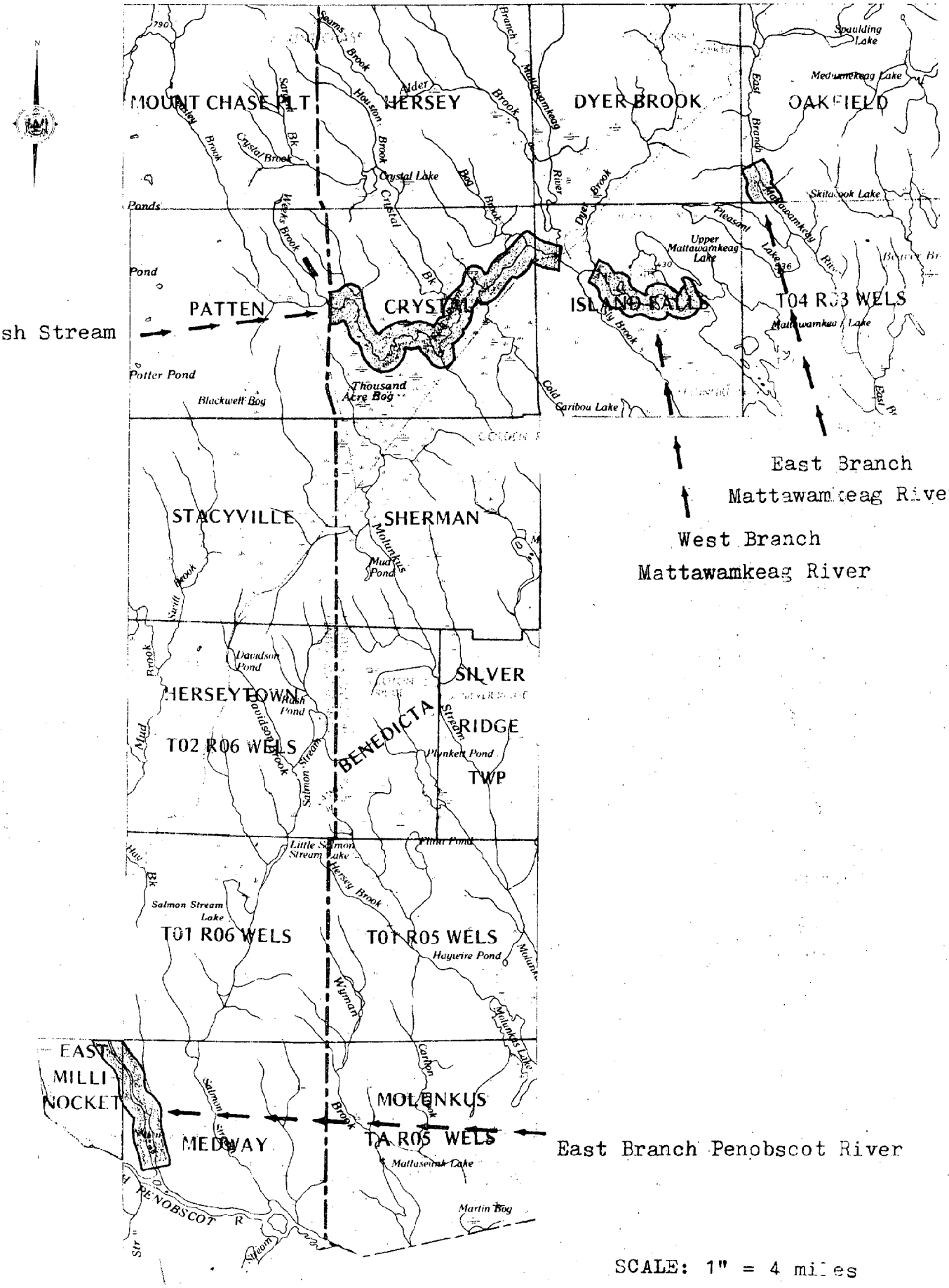


SHORELAND ZONING RIVERS MAP 4

SHORELAND ZONING RIVERS MAP 5



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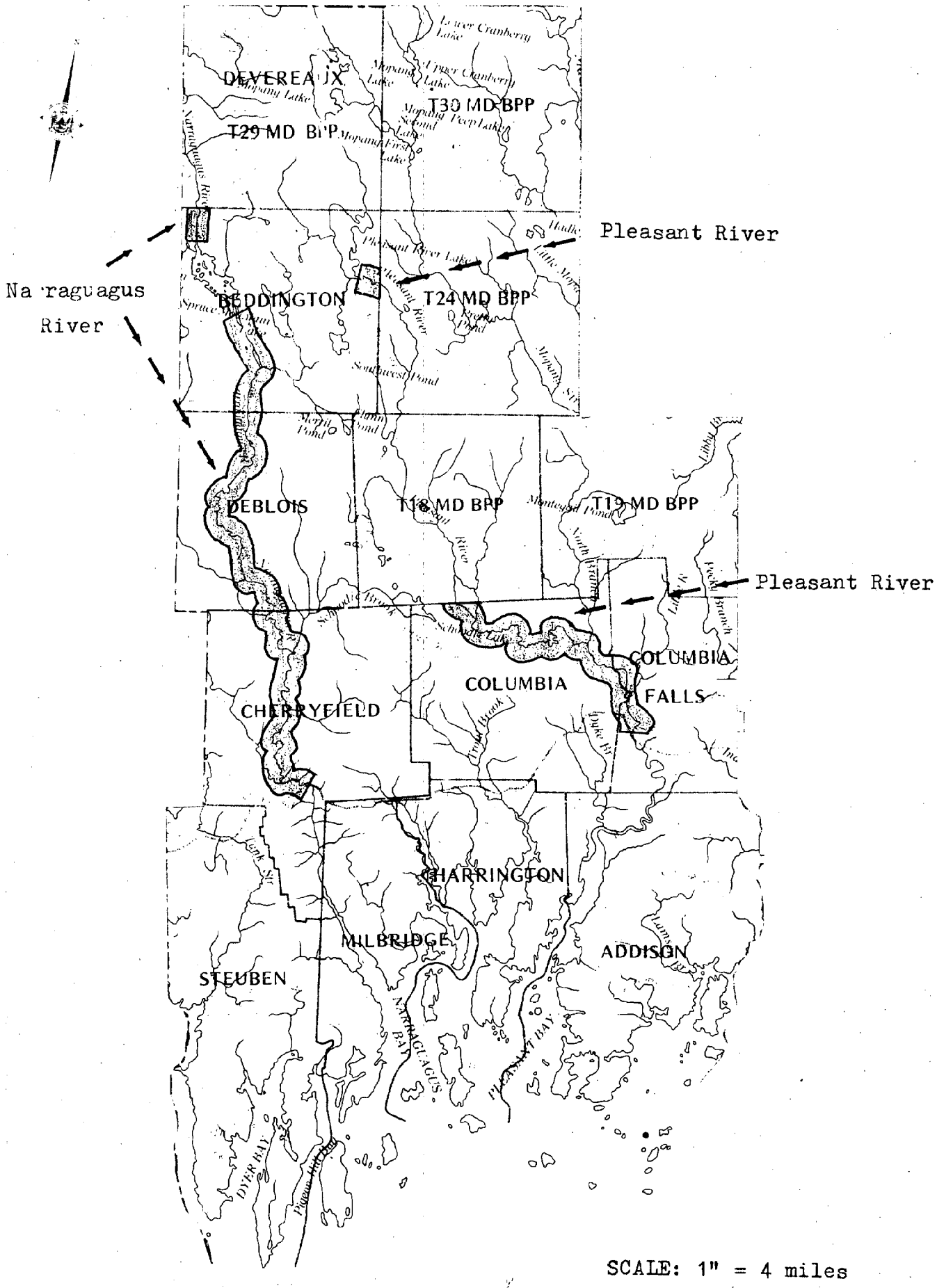
SHORELAND ZONING RIVERS MAP 6



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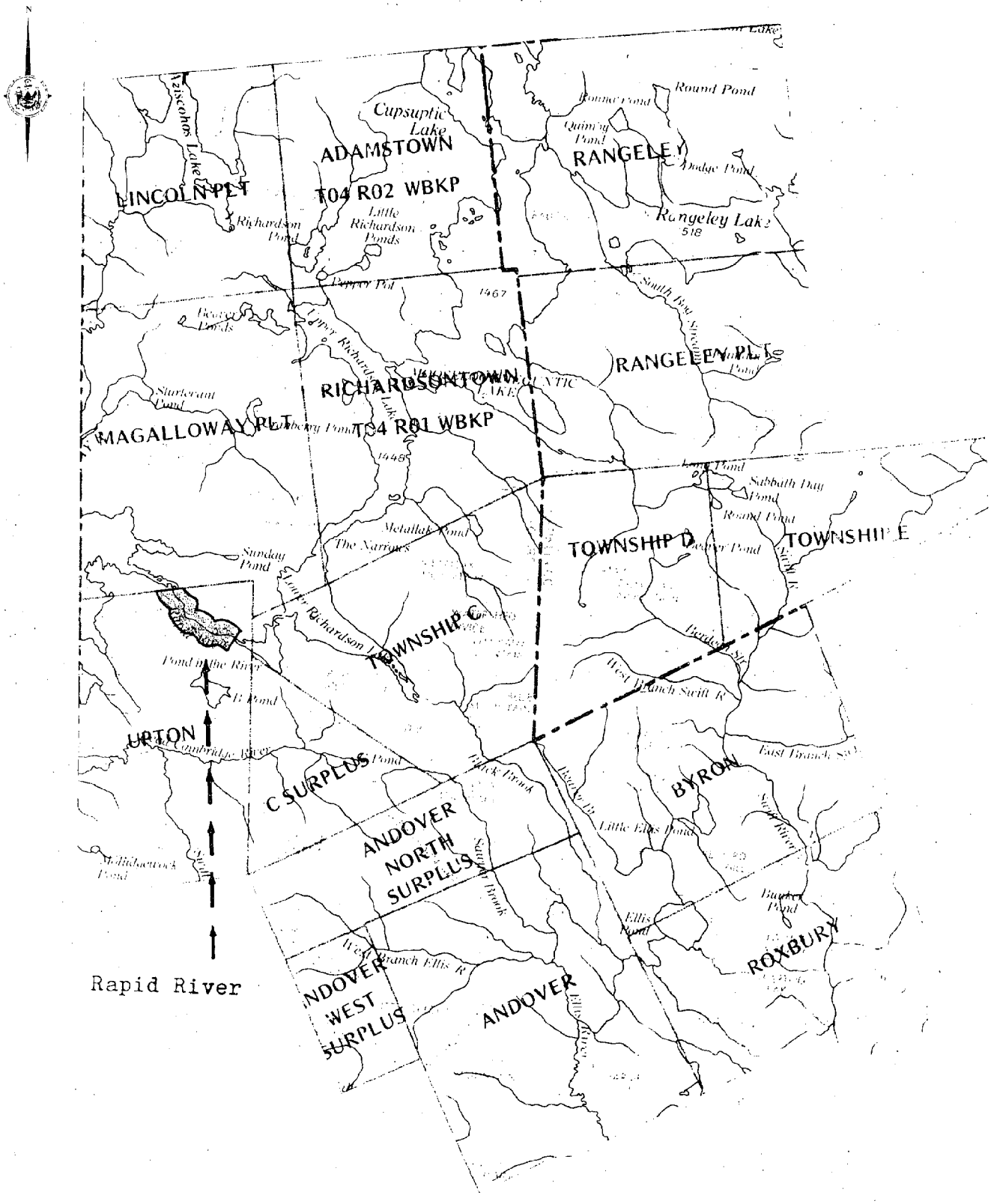
SHORELAND ZONING RIVERS MAP 7



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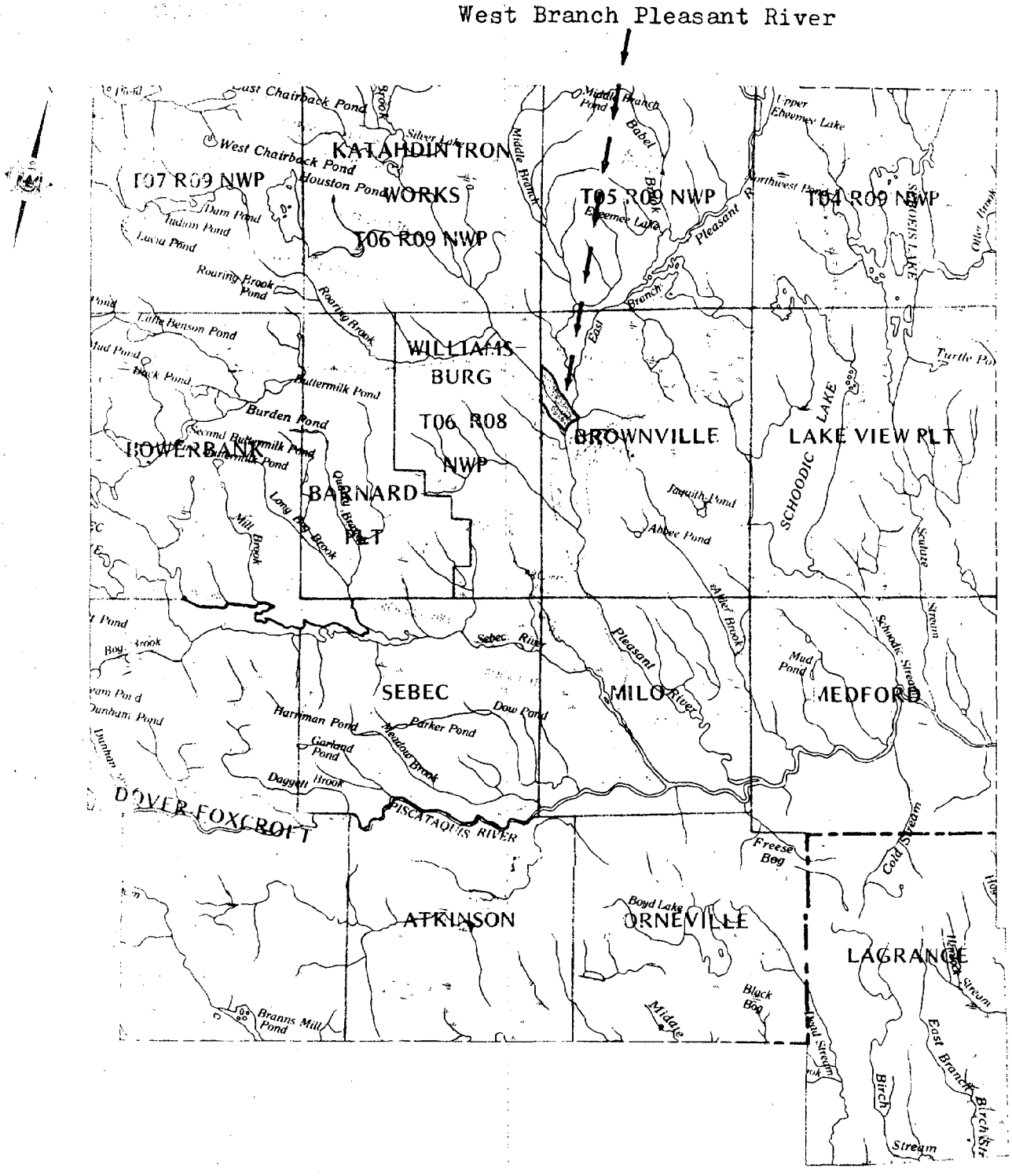
SHORELAND ZONING RIVERS MAP 8



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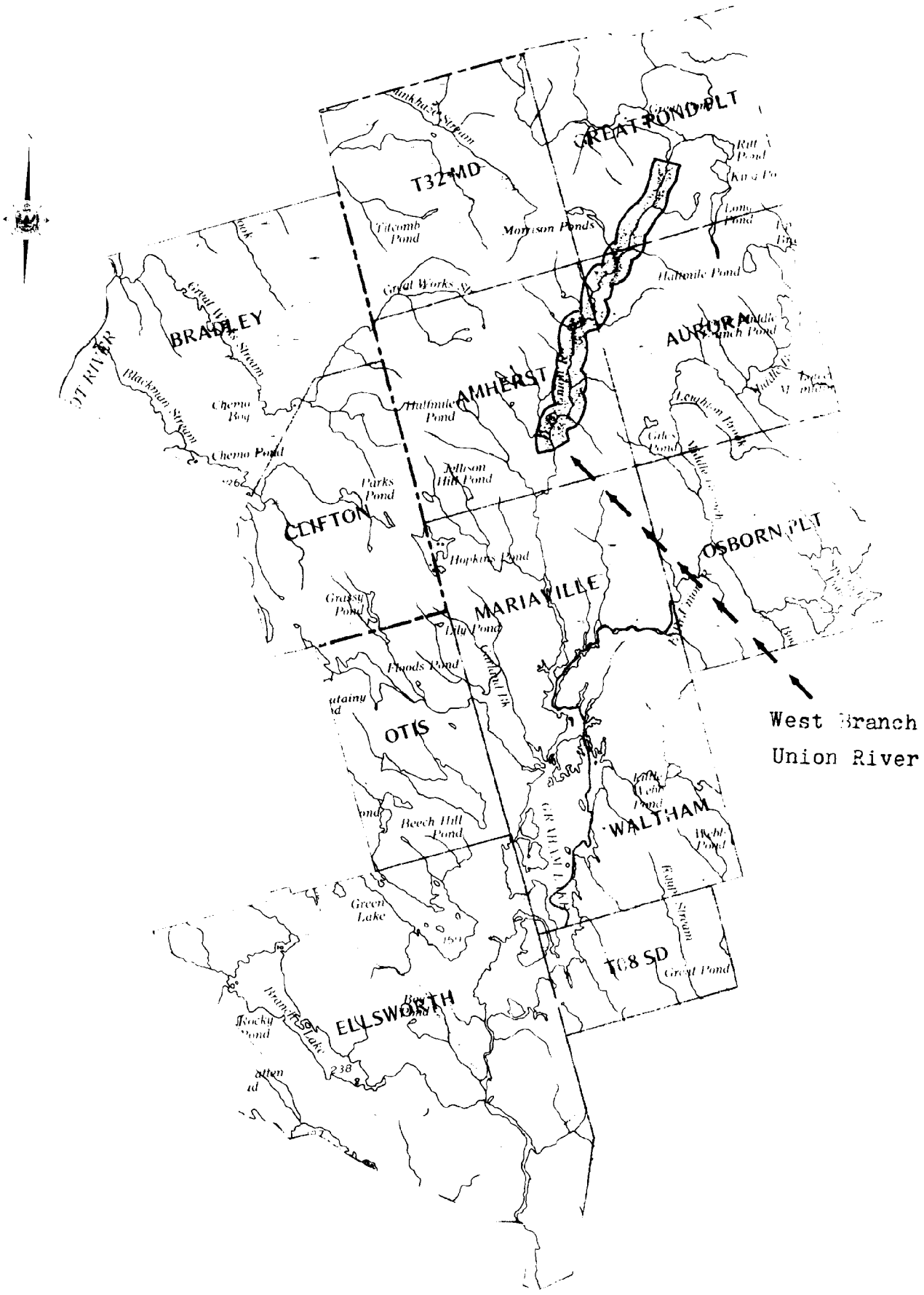
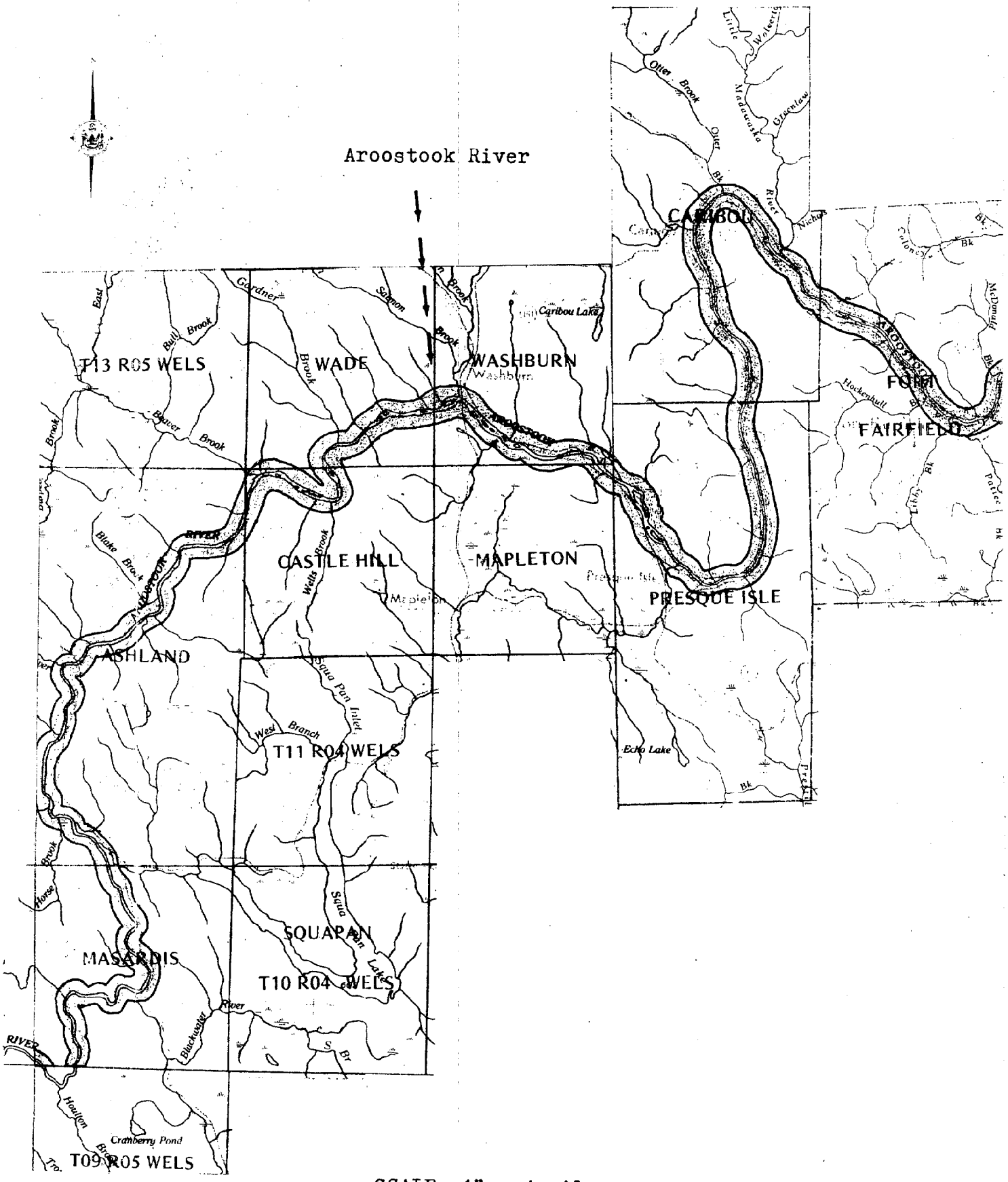
SHORELAND ZONING RIVERS MAP 9



SUBDIVISION RIVERS MAP 10



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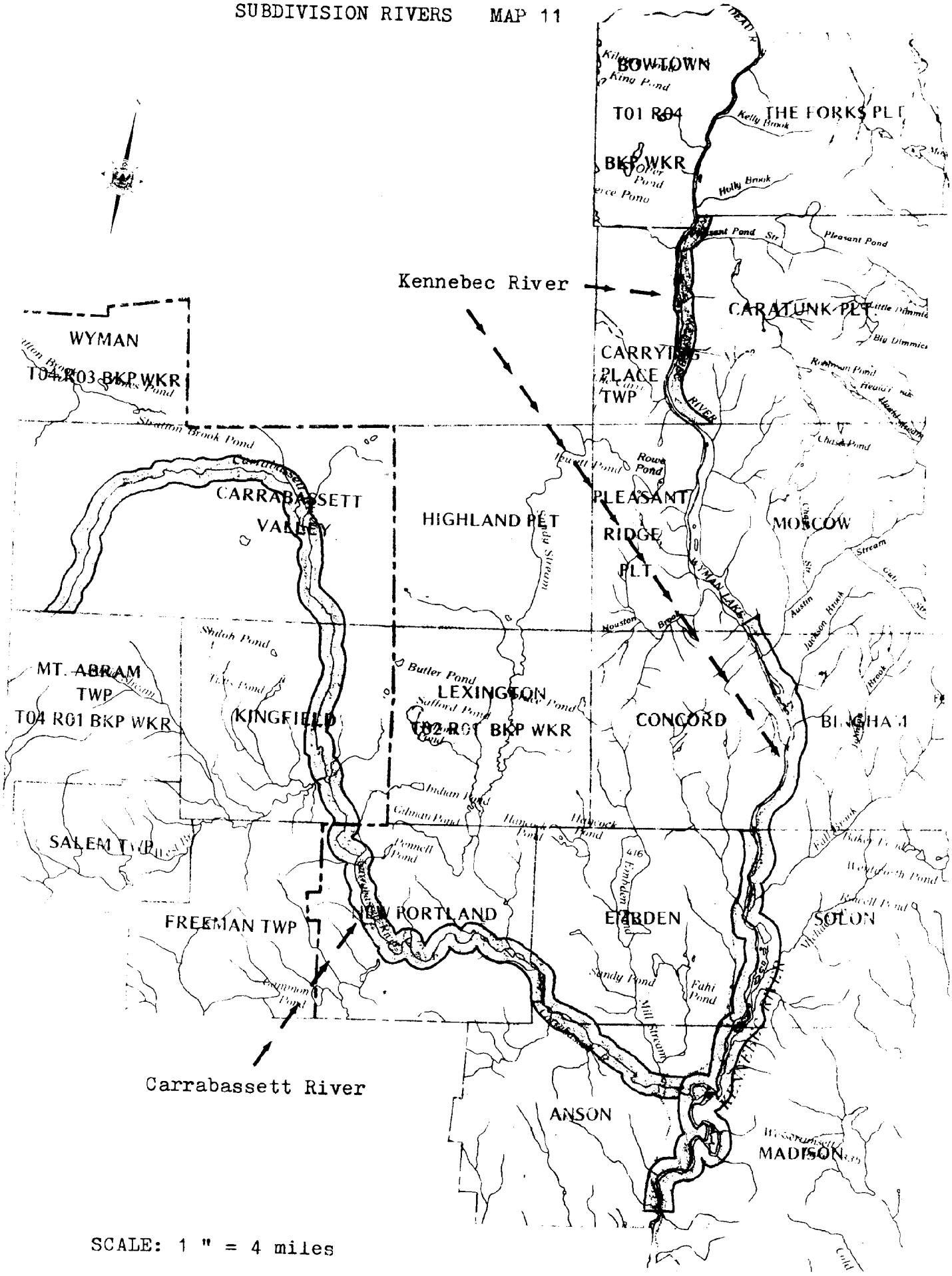
SUBDIVISION RIVERS MAP 11



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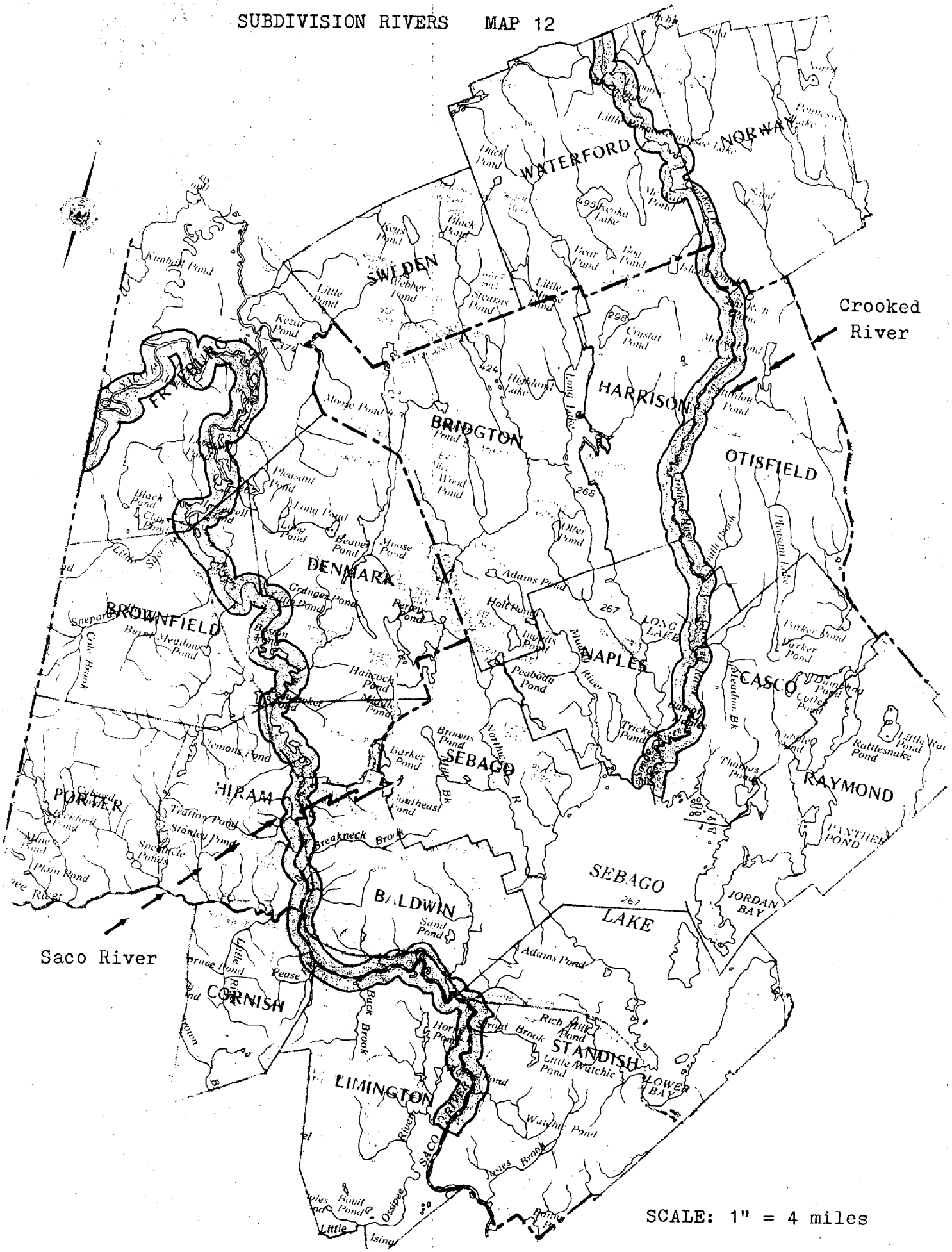
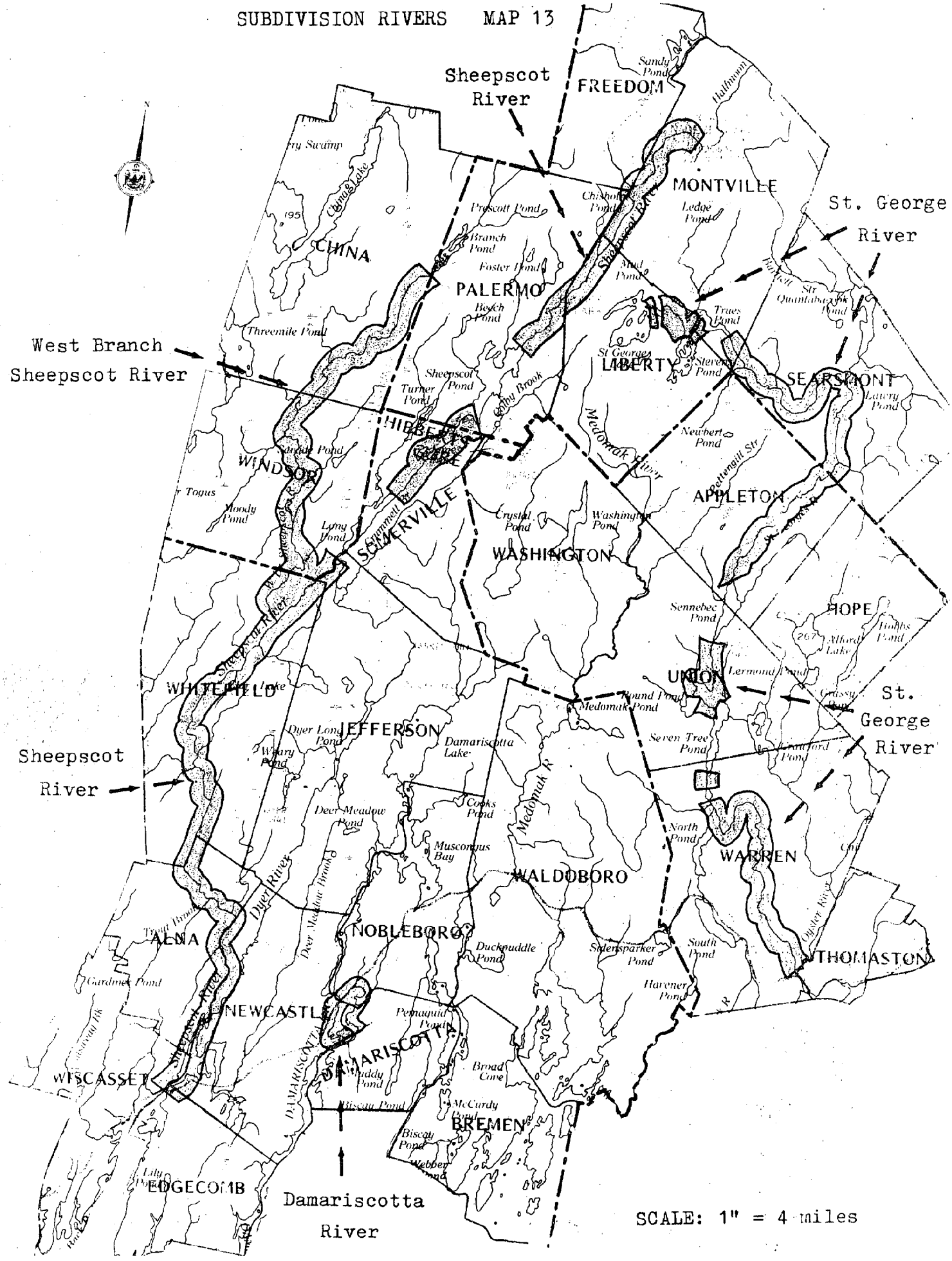
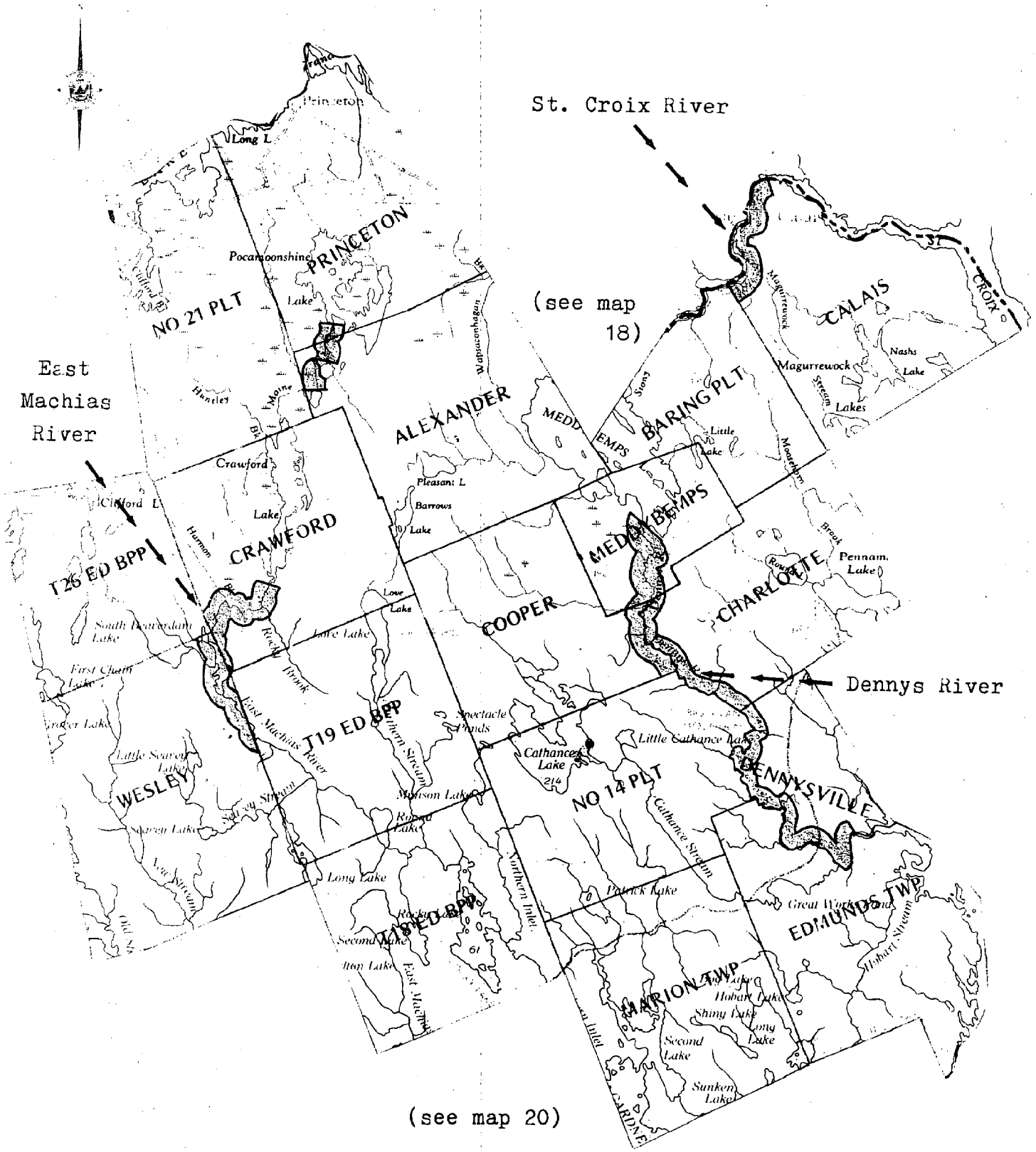
SUBDIVISION RIVERS MAP 12



SUBDIVISION RIVERS MAP 13



SUBDIVISION RIVERS MAP 14



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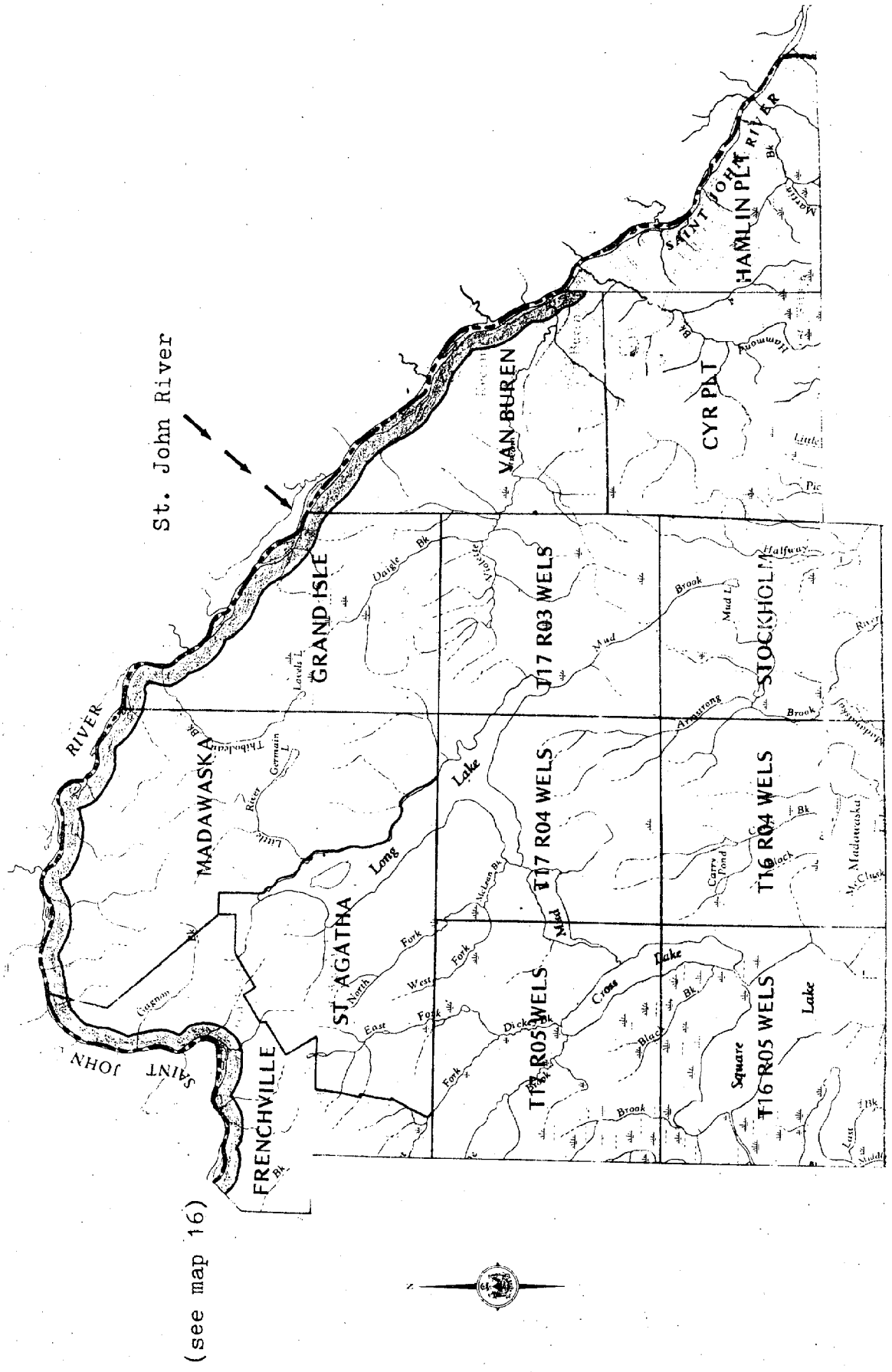

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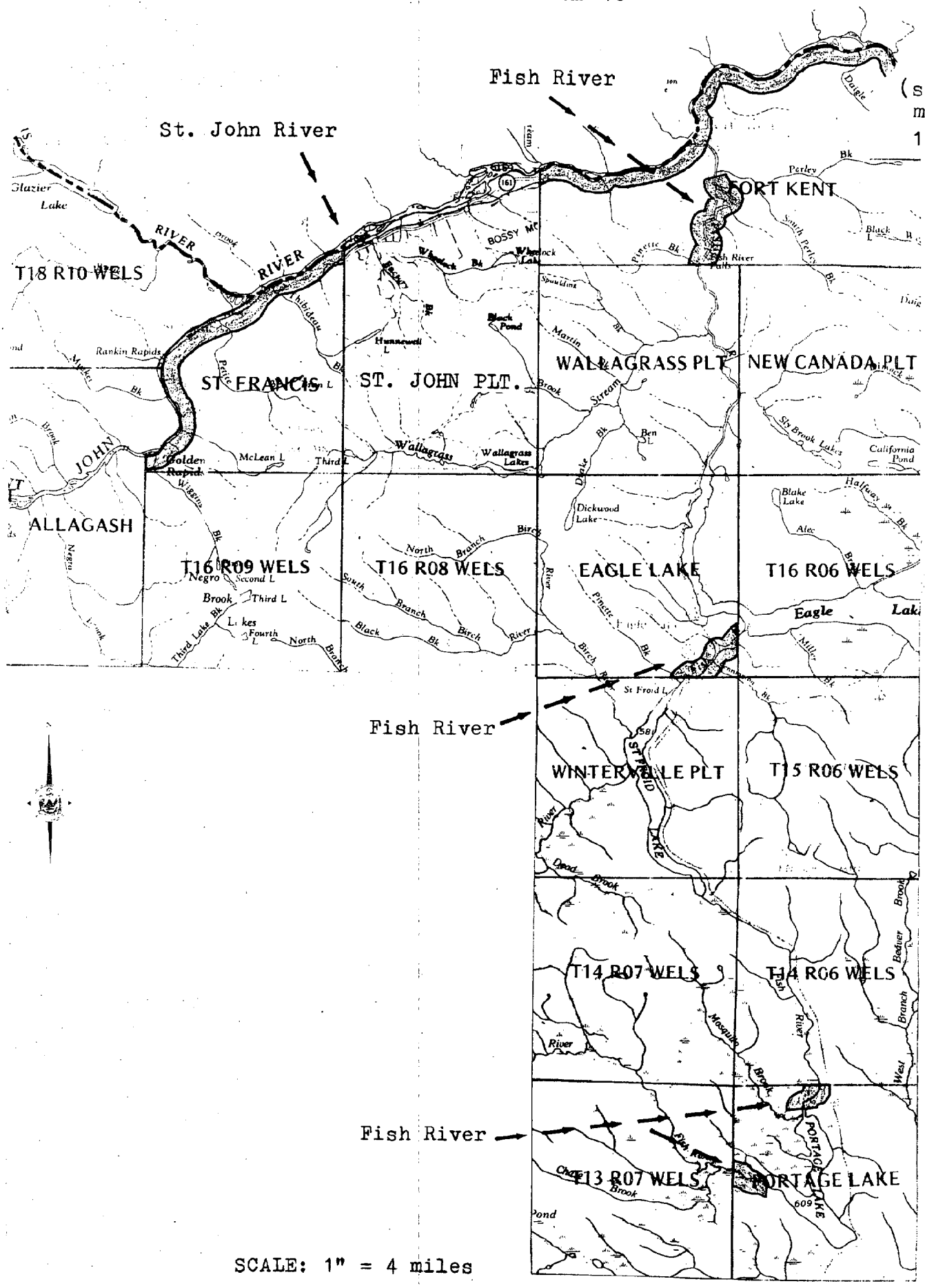
SUBDIVISION RIVERS MAP 16



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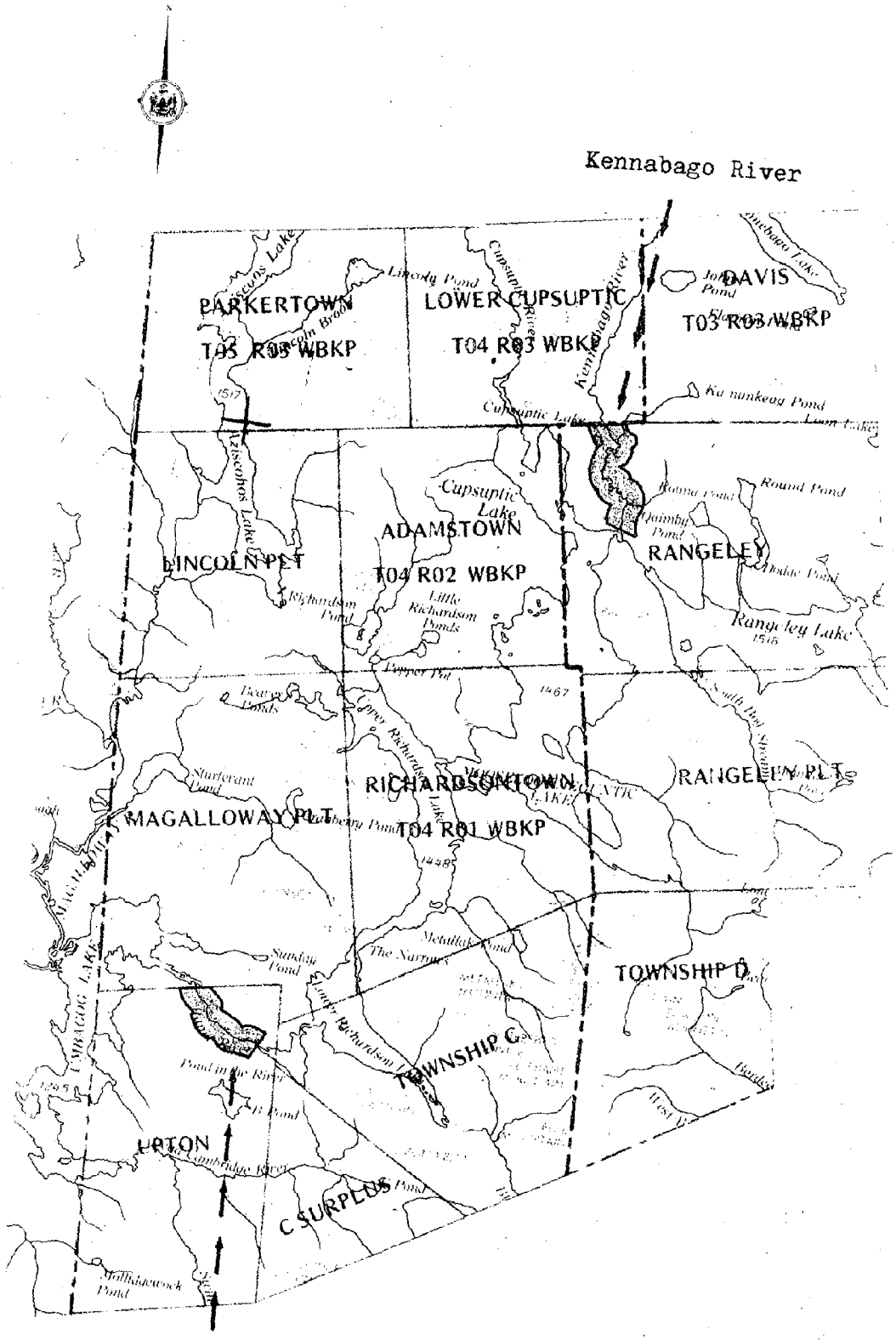
SUBDIVISION RIVERS MAP 17



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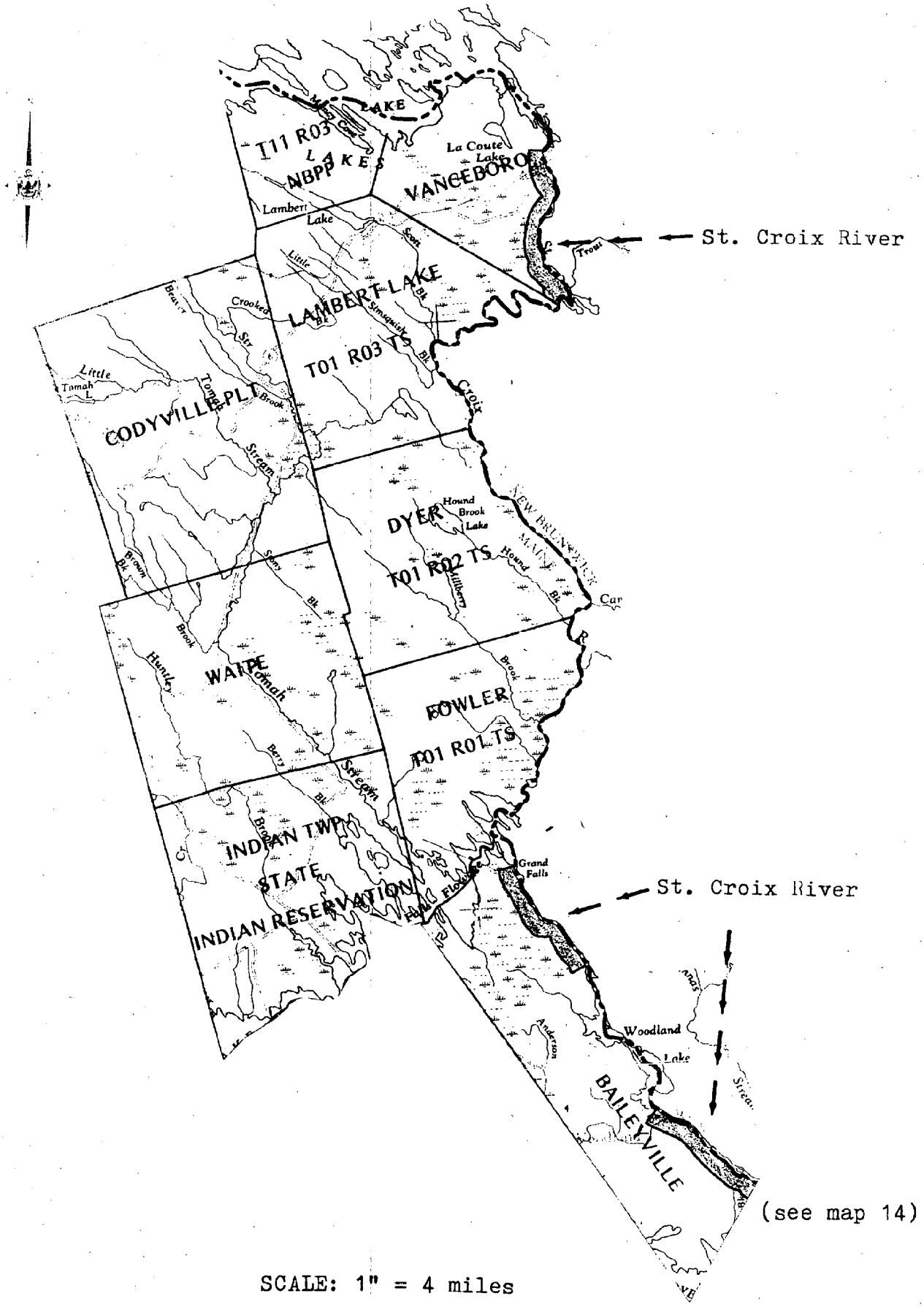

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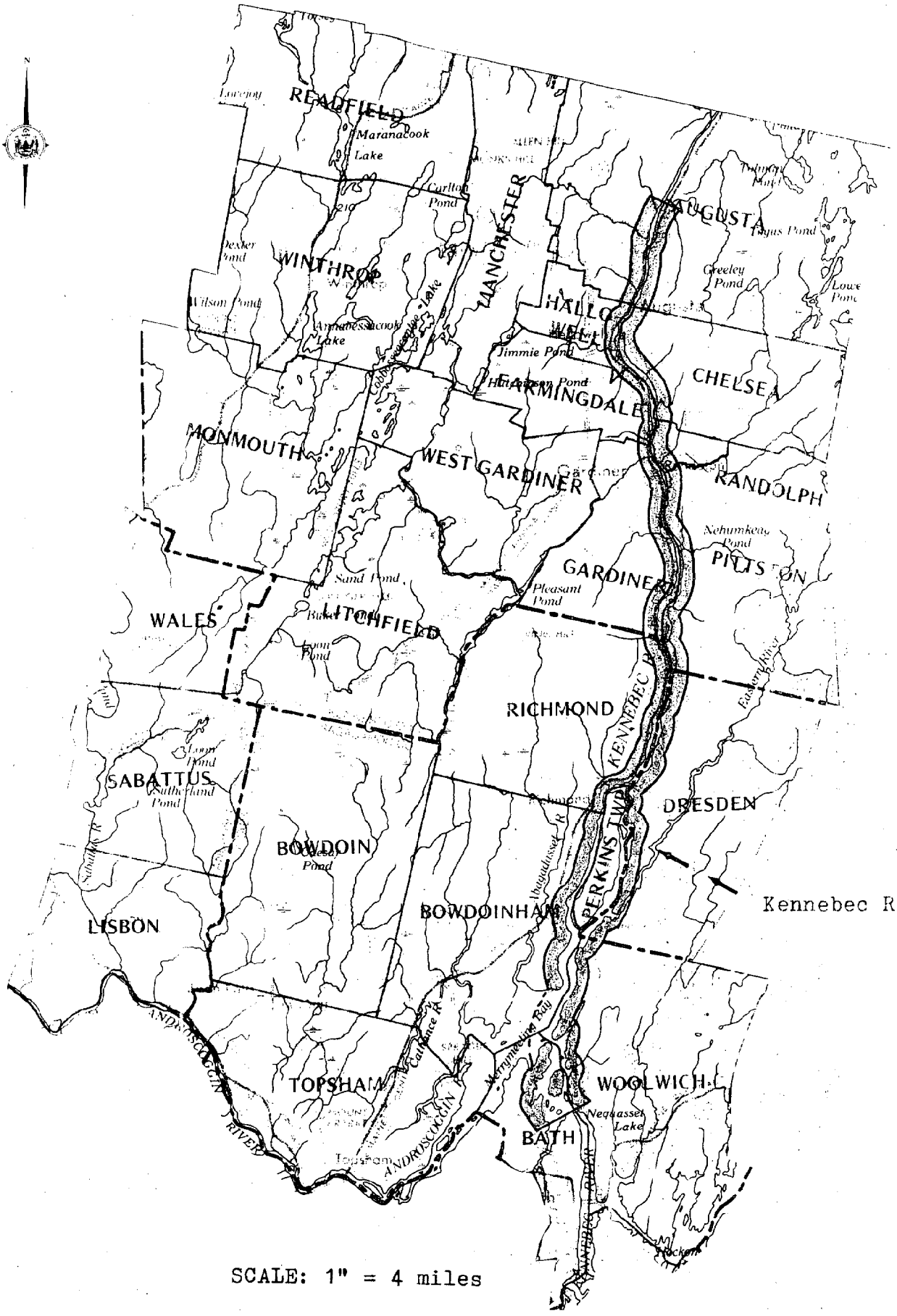

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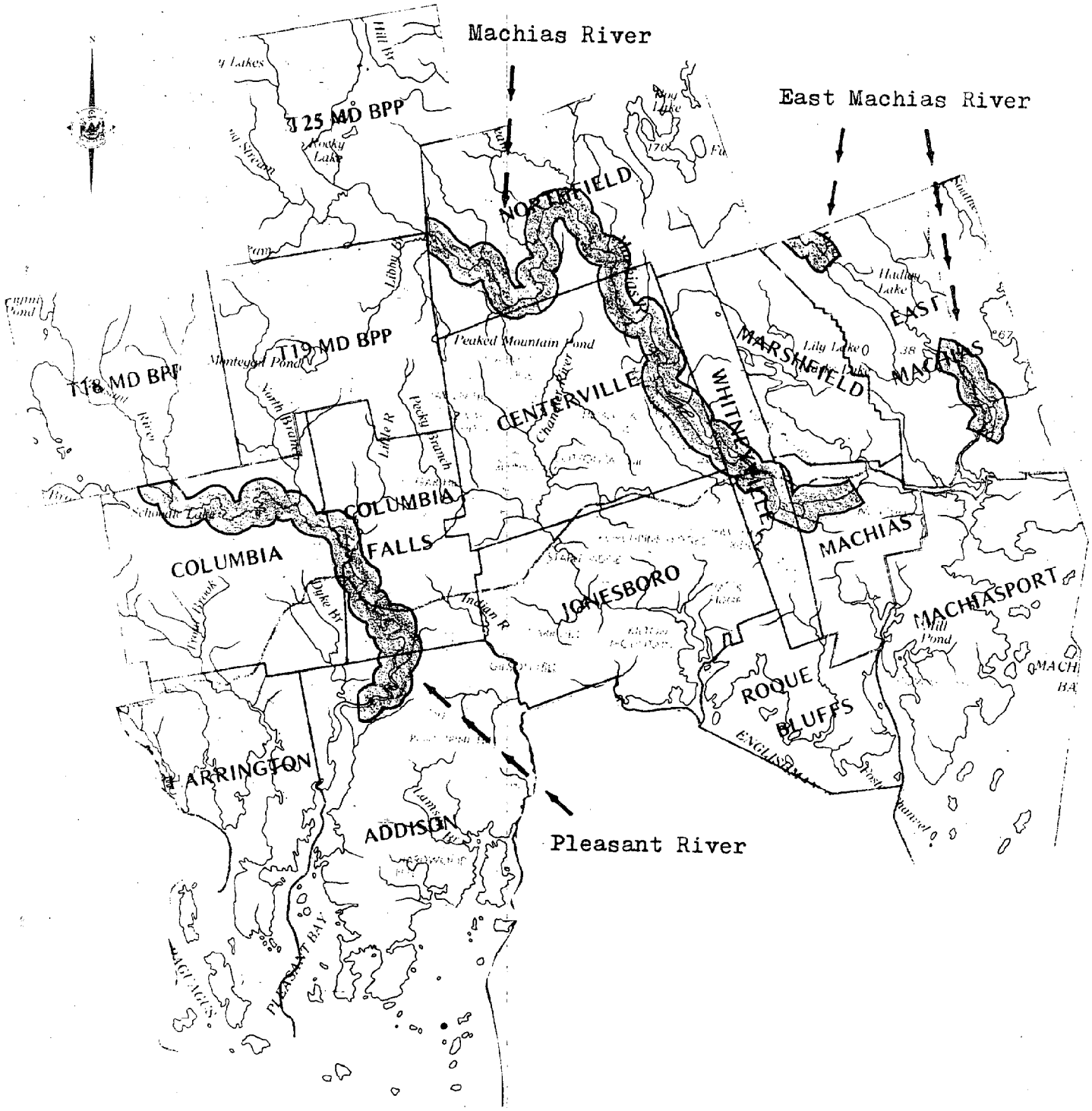

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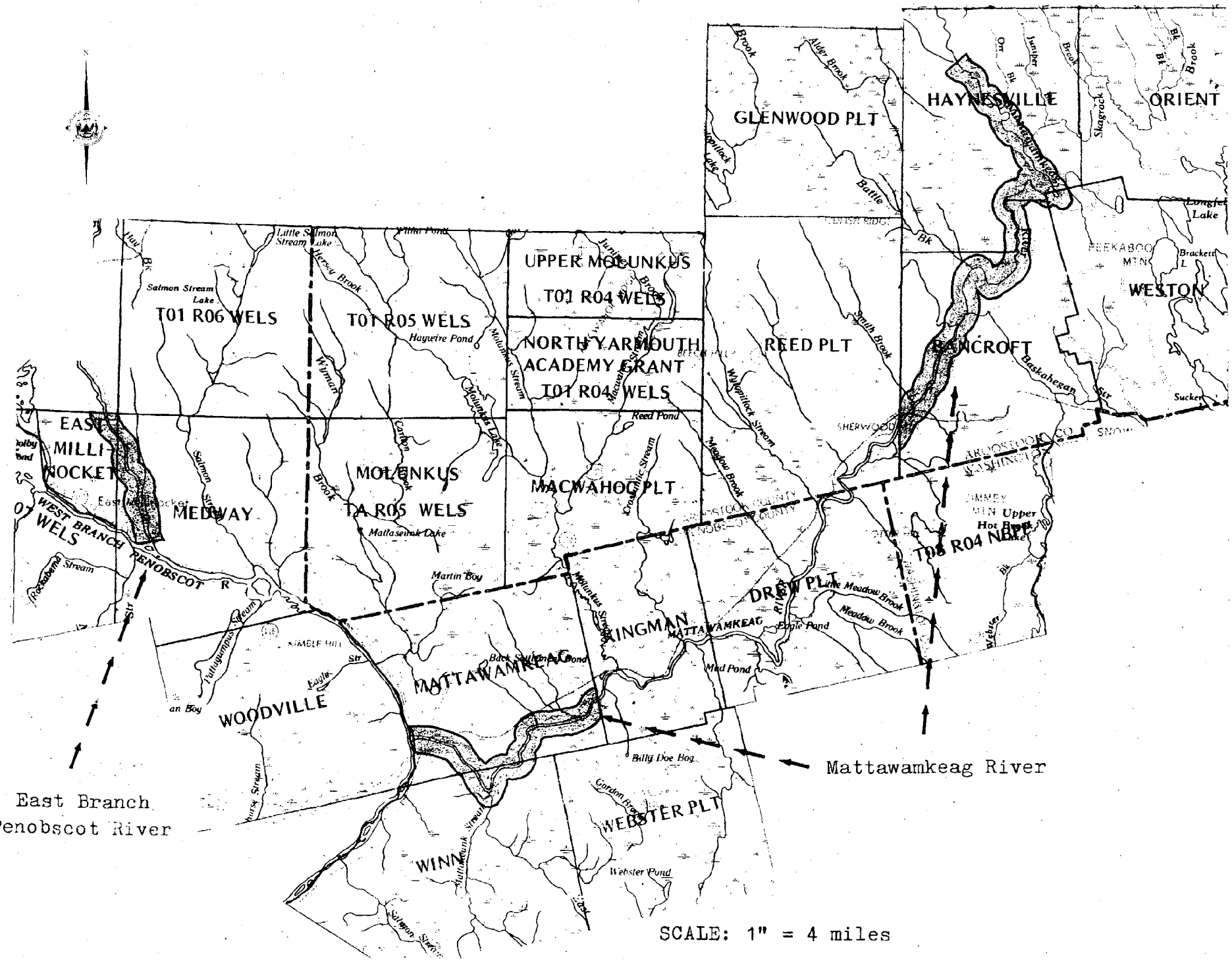
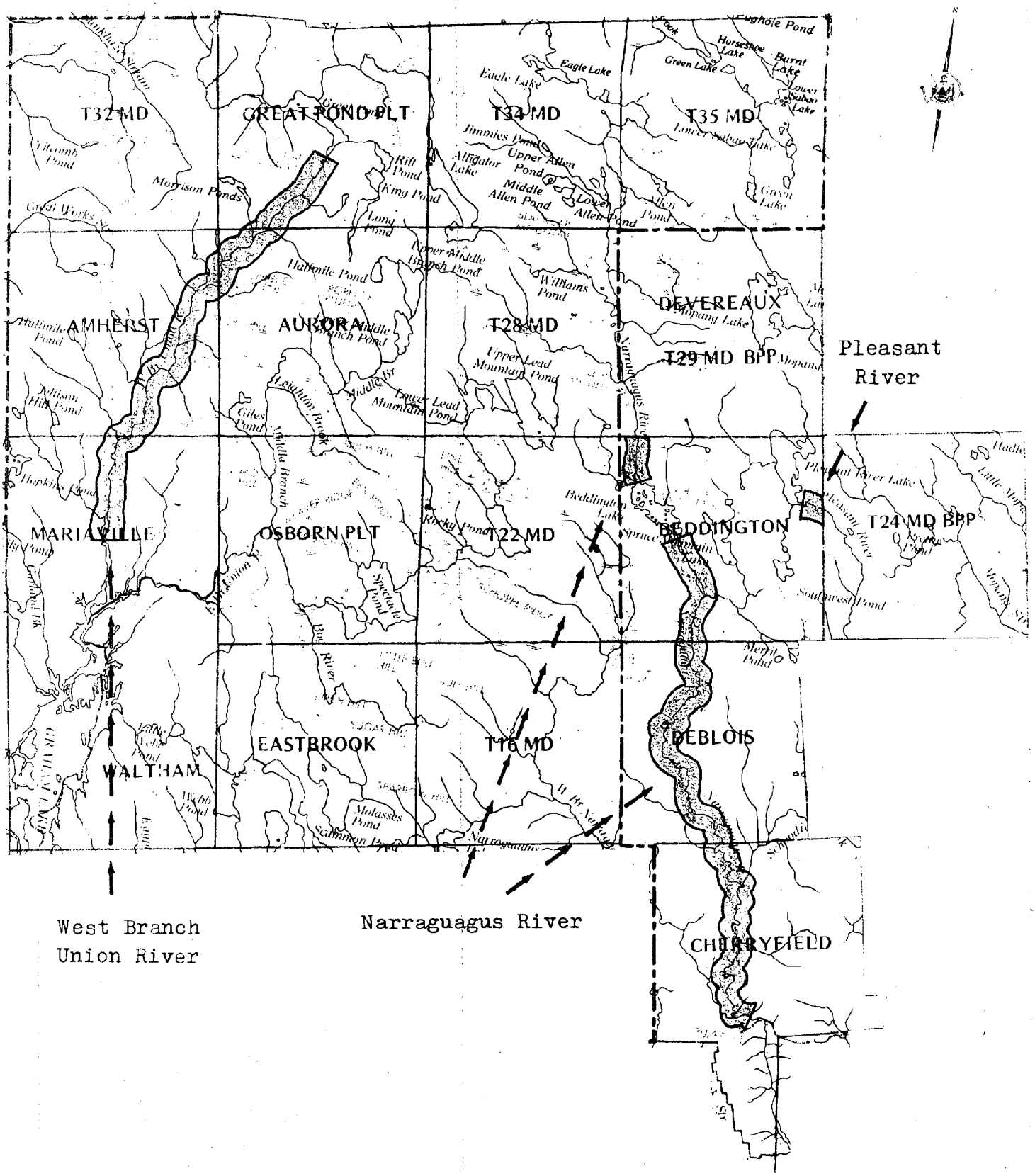


SUBDIVISION RIVERS MAP 21

SUBDIVISION RIVERS MAP 22



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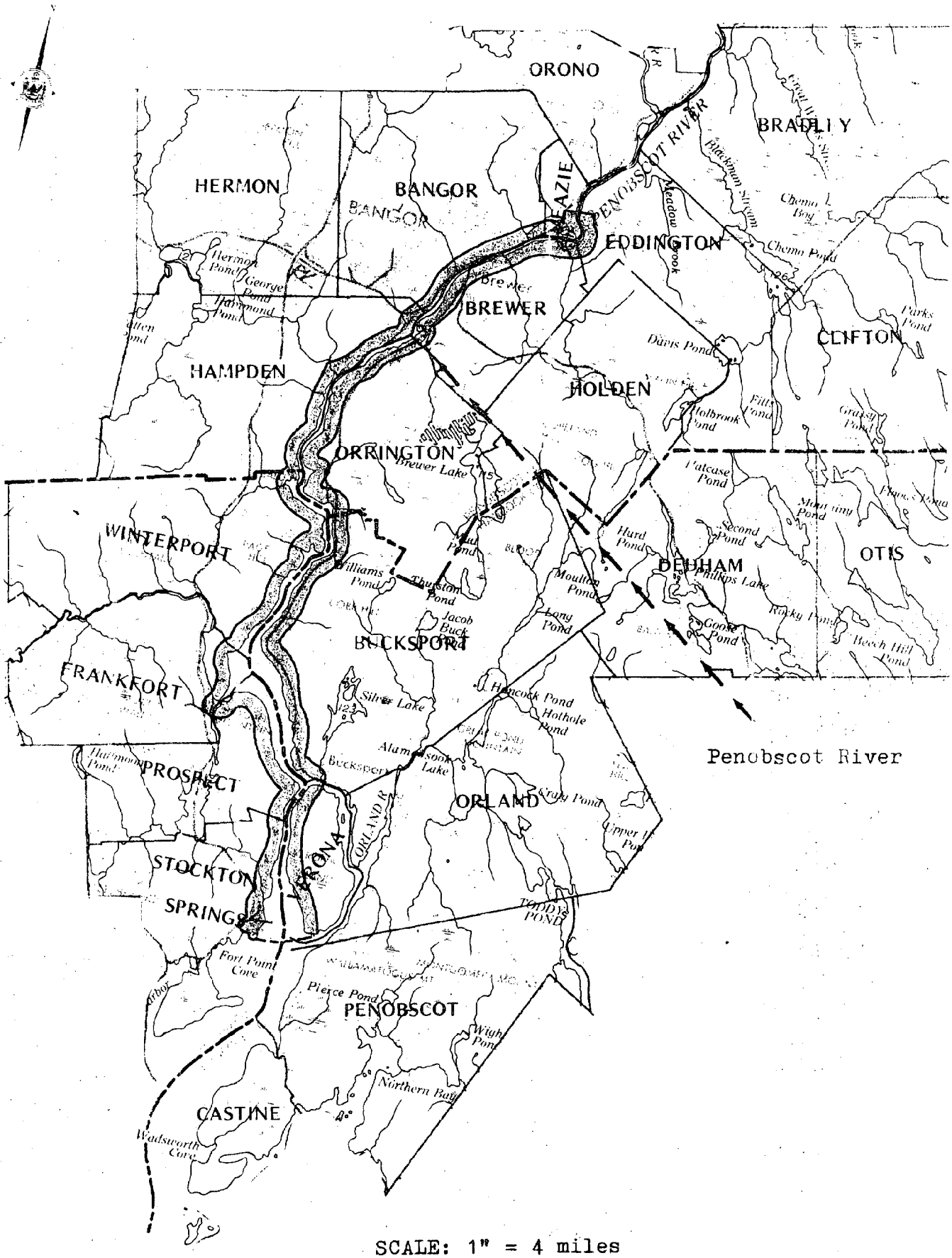
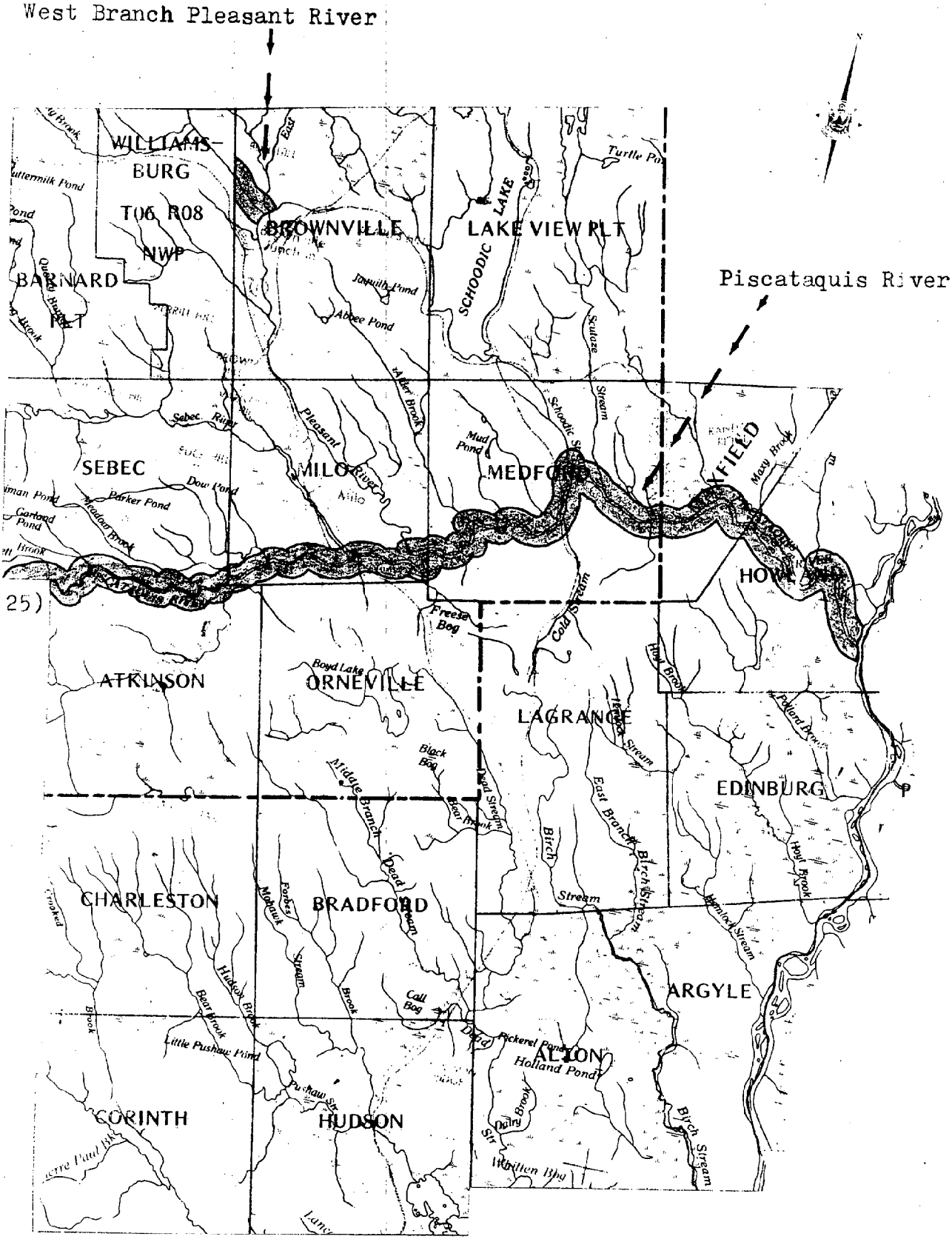


SUBDIVISION RIVERS MAP 24



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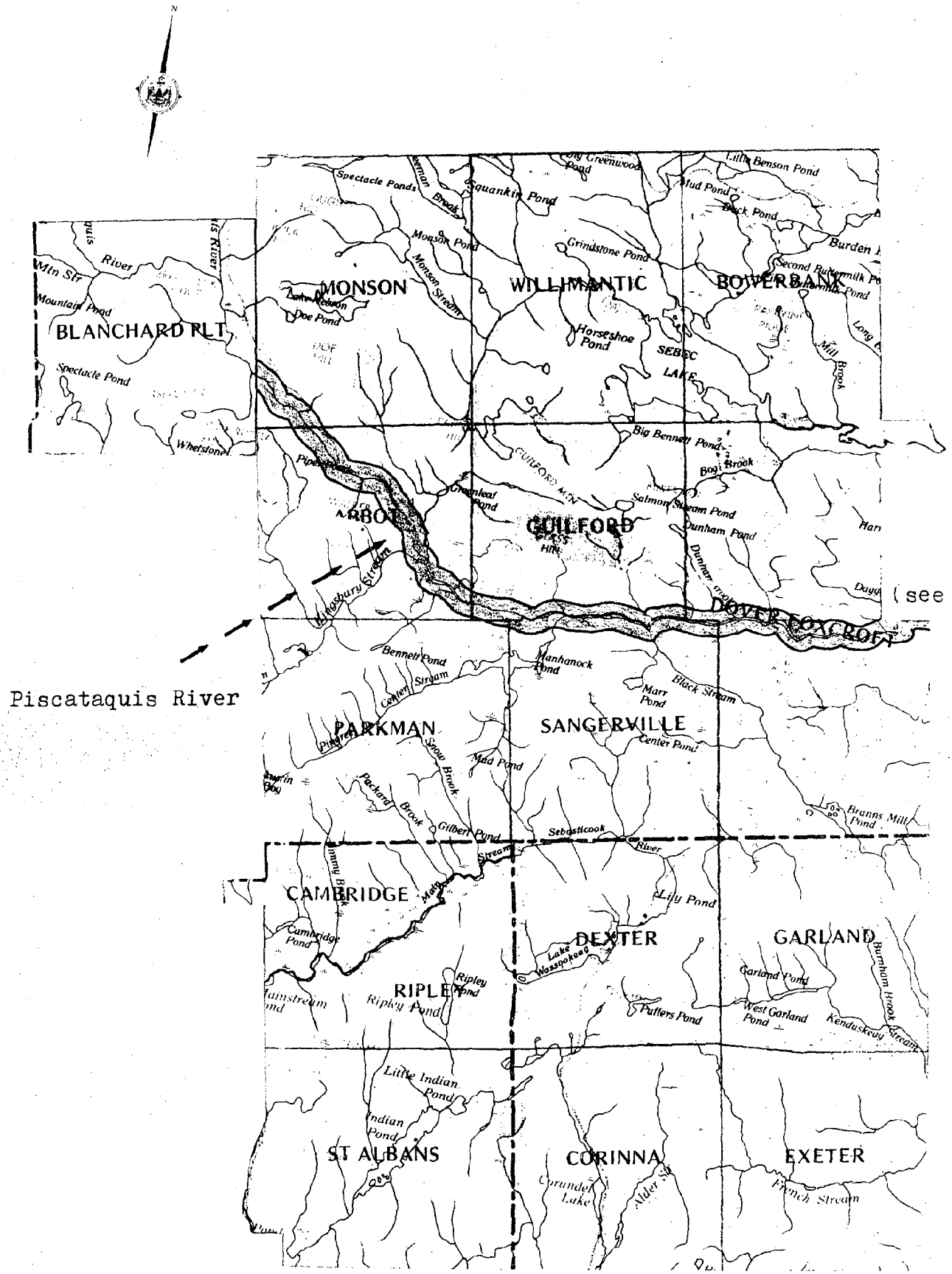

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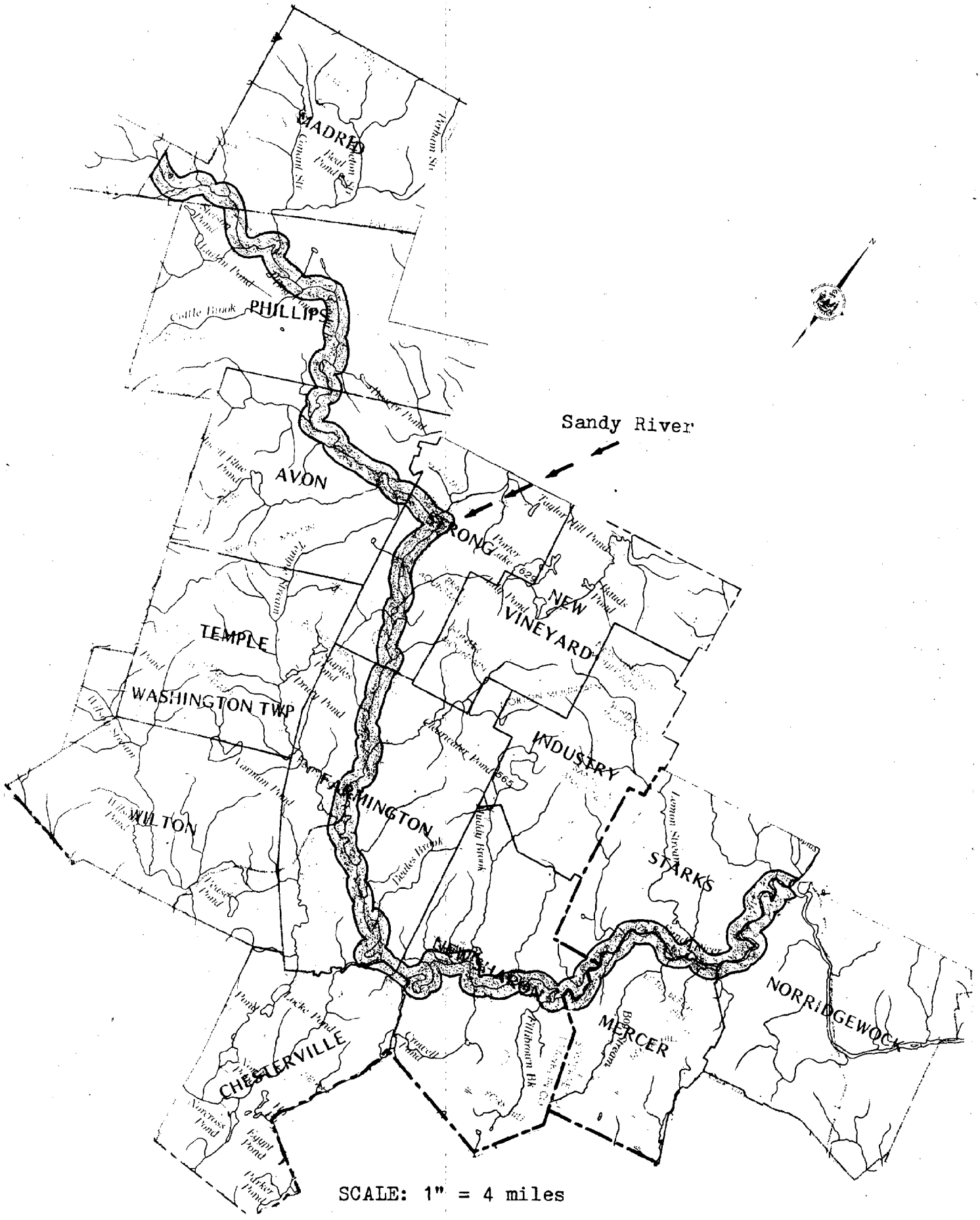

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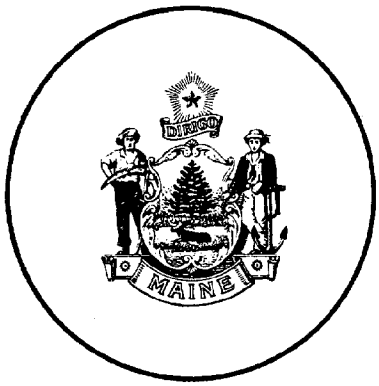
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