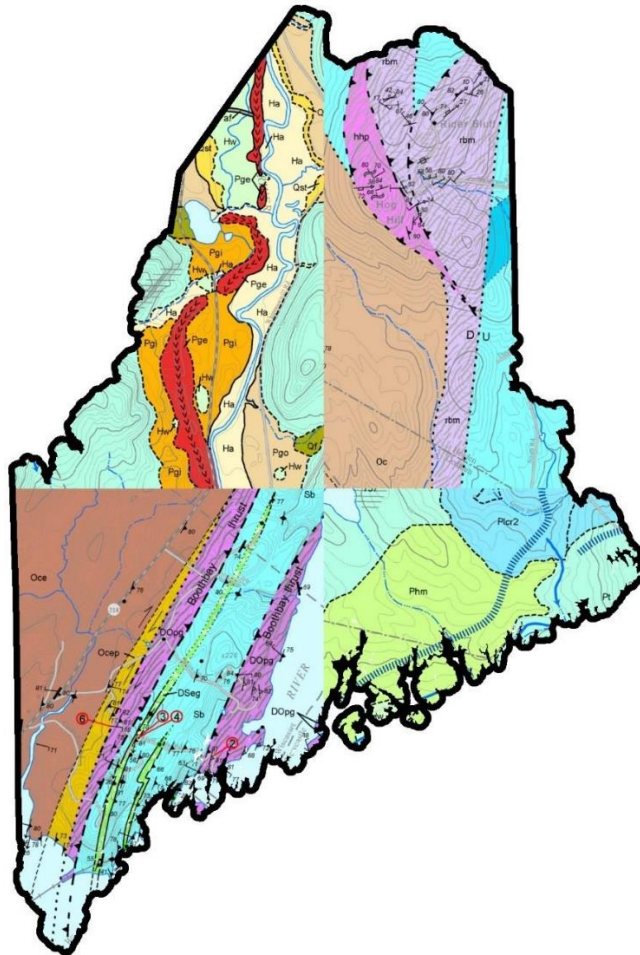


# Maps and Publications



## Maine Geological Survey

December 31, 2018



This catalog is arranged by **SUBJECT**. It contains all publications available from the Maine Geological Survey. Consult the table of contents to select the subject and type of publication. If you are interested in a particular **GEOGRAPHIC AREA**, we have several methods of searching for information: (1) index maps - we have a series of index maps included in this booklet that show which parts of the state are covered by each type of map we publish; (2) internet searches - you can search for publications and maps using our new publications search page (see page 4). We also provide **TECHNICAL ASSISTANCE** for all aspects of Maine geology, ecology, and publications. Consult the staff directory on page 2 for addresses, e-mail, and areas of responsibility. If you have a question, please contact us.

*Catalog updated: December 31, 2018*

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## **WHO WE ARE**

Maine Geological Survey  
Department of Agriculture, Conservation and Forestry  
93 State House Station  
Augusta, ME 04333

Telephone: (207) 287-2801

FAX: (207) 287-2353

E-mail: [mgs@maine.gov](mailto:mgs@maine.gov)

Directions to the Maine Geological Survey office can be found at <http://www.maine.gov/dacf/mgs/about/>.

The Maine Geological Survey is part of the Maine Department of Agriculture, Conservation and Forestry. The Maine Geological Survey is the primary source of geological information in state government, serving local and state agencies, private industry, educators and the general public. Studies are conducted in the following areas:

**Bedrock Geology** - basic geologic mapping and interpretation of bed- rock types and rock structures. Information about bedrock can be helpful in understanding the flow and chemistry of water in fractured rock. Since a large proportion of Maine residents drink water from bedrock wells, information on potential yield and quality is important. Bedrock information is also used in the search for significant mineral resources such as iron, lead, zinc, copper, nickel, silver, and gold.

**Surficial Geology** - basic mapping and interpretation of surficial geologic materials such as sand, gravel and clay. Surficial geologic information is critical for making a number of land use decisions, including determining the suitability of an area for development, planning major construction projects, or looking for ground water. Surficial geologic maps also provide information on the location and extent of sand and gravel deposits.

**Hydrogeology** - inventory of ground and surface water conditions, with emphasis on ground water supply and prevention of ground water pollution. Studies of ground water aquifers provide information useful in locating wells for drinking water. Surface water studies and measurement of snowpack help to forecast the possibility of floods.

**Coastal Marine Geology** - research along the coast and in the Gulf of Maine. Projects include searching for beach nourishment sources, dredge spoils disposal sites, and ore minerals on the sea floor. Studies of coastal dune and beach systems provide information for making decisions about coastal development and protection.

**Economic Geology** - information about economically significant geologic resources in Maine, such as gemstones and minerals, construction aggregate, and ore deposits.

**Geologic Hazards** - studies of hazards such as landslides, coastal erosion, floods, and earthquakes.



## **STAFF DIRECTORY**

### **Administration**

Robert G. Marvinney	Director and State Geologist	robert.g.marvinney@maine.gov	Bureau Director, bedrock geology
Tammara Roberts	Secretary	tammara.roberts@maine.gov	Reception and administration

### **Applied Geology**

#### **Hydrogeology**

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Ryan Gordon	Hydrogeologist	ryan.gordon@maine.gov	Hydrogeology, groundwater modeling

#### **Coastal Marine Geology**

Stephen Dickson	Marine Geologist	stephen.m.dickson@maine.gov	Coastal hazards, seafloor geology, dredging, dunes, bluffs, landslides, education, permit reviews
Peter Slovinsky	Marine Geologist	peter.a.slovinsky@maine.gov	Beach erosion, sea level inundation mapping, coastal GIS atlas, community resiliency, shoreline change mapping, beach and current surveying

#### **Geologic Mapping**

Henry Berry	Physical Geologist	henry.n.berry@maine.gov	Bedrock geology, economic geology, education
Amber Whittaker	Senior Geologist	amber.h.whittaker@maine.gov	Bedrock geology, GIS, cartography, water well database, snow survey
Lindsay Spigel	Senior Geologist	lindsay.spigel@maine.gov	Surficial geology

### **Data Services**

Christian Halsted	Director, Earth Resources Information	christian.h.halsted@maine.gov	GIS & database application development, web site, cartography, publications, Bibliography of Maine Geology
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## **WHAT WE HAVE**

### **Publications**

This catalog describes current information available from the Bureau of Geology and Natural Areas. All publications available from the Maine Geological Survey are included (see Table of Contents, p. i). Out of print publications are not listed. These publications may be examined at the office of the Maine Geological Survey in Augusta, Maine. Many of these publications are also available for inspection at colleges and large community libraries in the state.

### **Web Site**

The Maine Geological Survey website (see p. 4) contains a wealth of information and images related to the geology of the State. The site contains slide shows, field localities, frequently asked questions, fact sheets, and online maps and reports.

### **Maps, Publications, and Data**

The Maine Geological Survey publishes a wide variety of geologic maps and reports. Survey staff are working to provide as many of these maps and reports as possible as free PDF online. Visit the [Maps, Publications and Online Data](#) page to find geologic maps, publications and data for Maine.

### **Geologic Outreach**

Staff geologists are available to answer questions from the public via e-mail ([mgs@maine.gov](mailto:mgs@maine.gov)) and telephone (207-287-2801). Contact us for more information.

### **USGS Topographic Maps**

We sell U.S. Geological Survey topographic maps at scales of 1:24,000 (707 maps cover the state), 1:100,000 (35 maps cover the state), 1:250,000 (13 maps cover the state), and 1:500,000 (1 map covers the state) See U.S. Geological Survey Topographic Maps section for more information.

### **Aerial Photographs**

The Maine Geological Survey has 38 sets of aerial photographs covering different parts of Maine. The photos were collected between 1940 and 1996 at scales from 1:6,000 to 1:80,000 and are available for use at the Maine Geological Survey during office hours. Use the [Maine Aerial Photographs](#) map to review photo coverage and availability.

*Photographs cannot be purchased from the Maine Geological Survey.* You may purchase photos from all federal agencies through the Earth Science Information Center, U. S. Geological Survey, 507 National Center, Reston, VA 22092, Tel: 1-888-ASK-USGS. You may purchase U. S. Department of Agriculture photos from the USDA Aerial Photography Field Office, 2222 West 2300 South, Salt Lake City, UT 84119-2020, Tel. (801) 844-2922.

### **Geologic Reference Library**

Our geologic library contains a variety of information about the geology of Maine. Published information from state, federal, and private agencies has been collected and cataloged. The library also contains a wide range of open-file and unpublished maps, progress reports, theses, dissertations, and recent geology journals. The library is for reference only; material cannot be signed out.

### **Maine Mineral Collection**

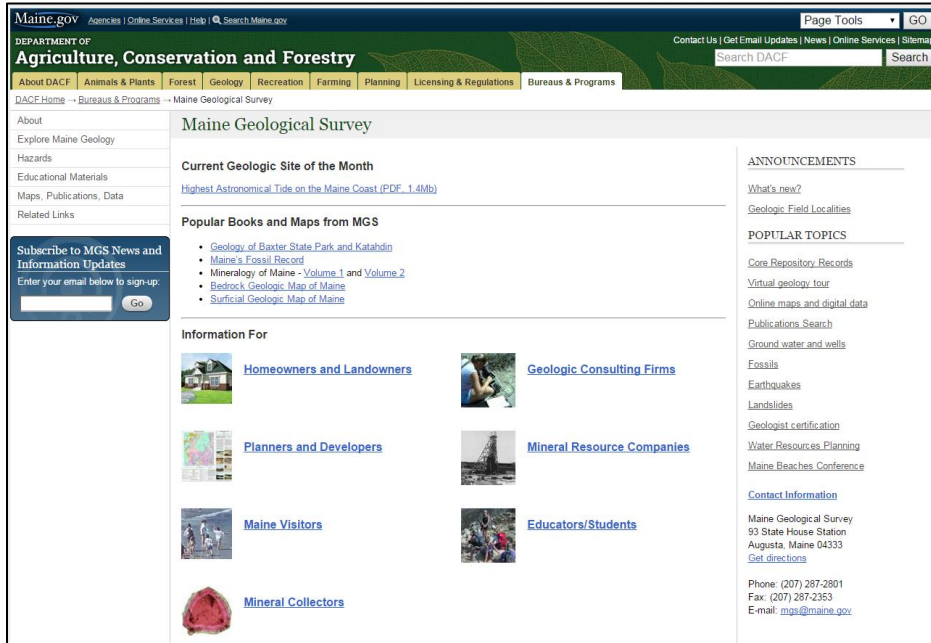
A display and reference collection of rocks and minerals is open to the public during office hours. The rock and mineral collection contains specimens from localities in Maine and elsewhere in the country.

### **Core Repository**

The core repository currently contains rock cores from several localities including a tin prospect in the Winslow-Vassalboro area (Billiton Metals and Ores USA), northern Maine (Great Northern Paper Company), the Bald Mountain and Mount Chase base metal prospect areas, copper-zinc deposits in Hancock County, several Aroostook County targets (Chevron Resources and Superior Mining), various manganese prospects in Aroostook County (U. S. Bureau of Mines), pegmatite explorations in Oxford County, and the Union-Warren area near the nickel deposit (Knox Mining Company). See [the Core Repository and Exploration Records webpage](#) for additional information.

# MAINE GEOLOGICAL SURVEY ON THE WEB

If you can't visit us in person, come visit our home page at <http://www.maine.gov/dacf/mgs/>

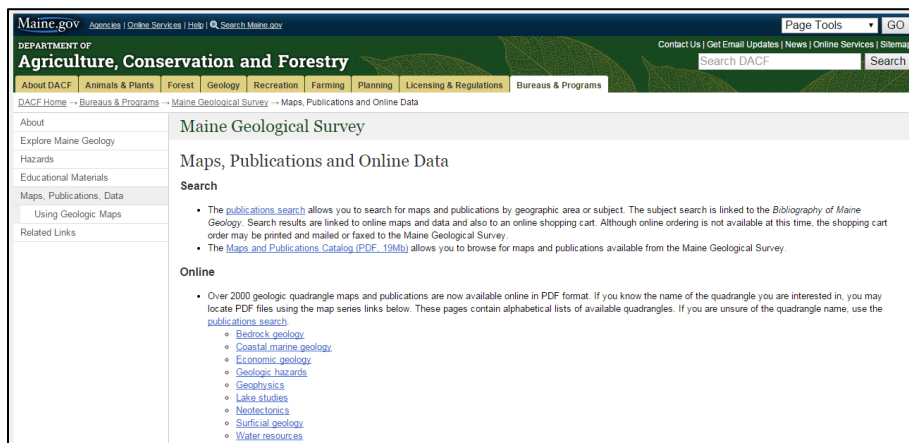


Our web page is loaded with free information. If you are interested in Maine geology, try browsing this page. The site contains slide shows, field localities, frequently asked questions, fact sheets, and pdf files of over 2000 geologic maps and reports. Subjects include ground water and wells, coastal marine geology, fossils, mineral collecting, mining, hazards, and bedrock and surficial geology. For teachers, the CREST Activity Book is available online through this web page. The page also links to our publications search page and Bibliography of Maine Geology. You may search by geographic location or keyword.

See our Geologic Site of the Month at [http://www.maine.gov/dacf/mgs/explore/explore\\_map.shtml](http://www.maine.gov/dacf/mgs/explore/explore_map.shtml) for a new location in Maine with special geologic interest.

## ONLINE PUBLICATIONS

We are continually adding maps and reports in PDF format to our website. All current Maine Geological Survey open-file maps and reports are available online. To locate and download the available files, visit our home page at <http://www.maine.gov/dacf/mgs/>. Files may be accessed by searching the Bibliography of Maine Geology or by clicking the Maps, publications, data link in the left column of our home page.



# FINDING PUBLICATIONS

Our publications search allows you to search for maps and publications by geographic area, subject and/or keyword. The search is linked to the Bibliography of Maine Geology. Search results are linked to online maps and data when available. Online ordering is not available at this time, but there is an order form that can be filled out, printed and mailed or faxed to the Maine Geological Survey. You can access the site from our home page (<http://www.maine.gov/dacf/mgs/>).

## Keyword Search

The keyword search allows you to search the entire Bibliography of Maine Geology for books, articles, and maps. You can search by author or authors, by the title or part of the title, by the source or part of the source, by the publication date or range of dates, or by topical and geographic keywords.

### Table-based Search

The Table-based Search includes all current MGS maps and publications, as well as all entries in the MGS Bibliography of Maine Geology. To search the table first, select the desired type of publication availability from the drop-down box, using these categories below:

- For sale - Items that can be purchased in printed form from MGS. For a complete list of these items, see the [MGS Maps and Publications Catalog \(PDF 14MB\)](#).
- Free PDF - Items in PDF format that can be viewed or downloaded for free from the MGS or partner web sites.
- MGS Library - Printed items kept in the MGS in-house library that can be used by visiting the office. This collection does not circulate.
- MGS Digital Library - Digital versions of selected items not produced by MGS, but that can be viewed by visiting the office.
- For reference - MGS does not have printed or digital copies of these items. Citations from the MGS Bibliography of Maine Geology are listed for research purposes only.

Then use the Search box to type in any portion of the subject, title, author and/or publication code. The search boxes at the bottom of the table can be used to filter data in that single column. To search for terms enclose the search string in quotes. Note that many publications are available in more than one format.

Select Publication Availability:

Search all fields:

Citation	Publication No.	Associated Report/Map	Price	Availability	Keywords
Abbott, Richard N., Jr., 1986. <i>Preliminary report on the bedrock geology of the Devils Head, Robbinston, and Red Beach 7.5-minute quadrangles, Maine</i> . Maine Geological Survey, Open-File Report 86-73. 39 p. report, map, scale 1:24,000.	86-73		\$6.00	For sale, Free PDF	areal geology; maps; geologic maps; bedrock; explanatory text; MGS; Devils Head quadrangle; Red Beach quadrangle; Robbinston quadrangle; Washington County
Adamik, James T., Toman, Andrew L., Williams, John S., and Westle, Thomas K., 1987. <i>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Franklin, Kennebec, Knox, Lincoln, Penobscot, Somerset, and Waldo Counties, Maine: significant sand and gravel maps 10, 30, and 31</i> . Maine Geological Survey, Open-File Report 87-24a. 94 p., 8 figs., 13 tables.	87-24a		\$4.75	For sale, Free PDF	hydrogeology; maps; ground water; surveys; hydrogeologic maps; water quality; aquifers; sand; clastic sediments; gravel; water wells; sampling; levels; temperature; pH; conductivity; alkalinity; chloride ion; nitrate ion; sulfate ion; organic carbon; organic materials; MGS; Franklin County; Kennebec County; Knox County; Lincoln County; Penobscot County; Somerset County; Waldo County
Albee, Arden L., and Bouvette, Eugene L., 1972. <i>Geology of the Alban quadrangle, Somerset County, Maine</i> . U.S. Geological Survey, Bulletin 1297. 110 p. report, 3 maps, cross section, scale 1:62,500.	B-1297		\$5.00	For sale, Free PDF, MGS Library	areal geology; stratigraphy; structural geology; Paleozoic; Quaternary; tectonics; USGS; maps; Alban quadrangle; Somerset County
Amos, Jeannine, and Sanford, Thomas C., 1987. <i>Landslides in the Presumpscot Formation, An engineering study</i> . Maine Geological Survey, Open-File Report 87-4. 68 p., 22 figs., 7 tables, 3 apps.	87-4		\$3.80	For sale, Free PDF	surficial geology; Quaternary geology; landslides; Presumpscot Formation; mass movements; slope stability; MGS;


Search Citation  Search Publi  Search Assoc  Search  Search Avail  Search Keywords

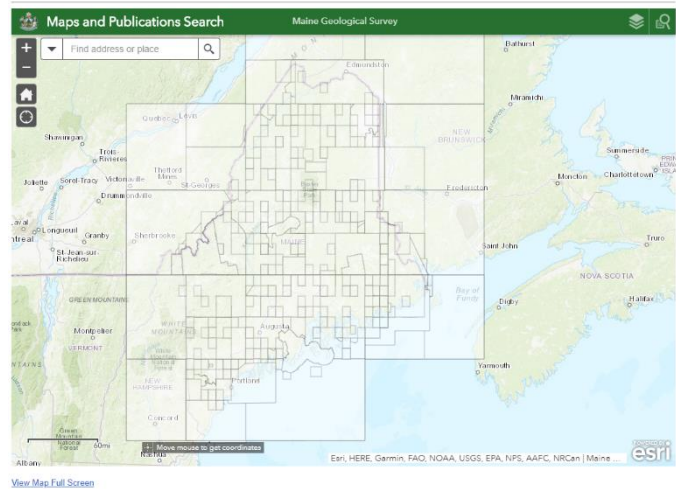
Showing 1 to 3,941 of 3,941 entries

## Geographic Search

The geographic search will give you a list of Maine Geological Survey publications that cover all or part of a town, a U.S. Geological Survey 7.5-minute quadrangle, or a region (a fixed radius circle around a point you select).

### Map-based Search

The Map-based Search allows you to search for geologic maps and publications by geographic area and subject. Note that not all publications have a mapped extent so not all publications will show in the map. For a complete list of publications use the [Table-based Search](#). In the map window, use the layers icon  in the upper right corner to turn on or off the subject layer(s) you are interested in searching for and then click a location on the map to get a list of publications that include that location. The pop-up window generated by clicking on the map will show 1 of X in the upper left if more than one publication exists in the area. Scroll through the list by using the left and right arrows in the upper right of the pop-up window.



## GENERAL GEOLOGY

### Studies in Maine Geology

Publication No.    Title and Description

- STUD1    **Studies in Maine geology: Volume 1 - Structure and stratigraphy**, 1988, Tucker, Robert D., and Marvinney, Robert G. (editors), 156 p., 84 figs., 10 papers with abstracts and references, Includes technical papers on C.T. Jackson, the lithotectonic stratigraphy of the Casco Bay region, early premetamorphic faults in western Maine, the shale-wacke sequence in south-central Maine, a Silurian unconformity at Flanders Bay, Devonian deltaic sedimentary environments of the Matagamon Sandstone, the occurrence of the crinoid *Rhodocrinites nortoni* (Goldring) in north-central Maine, plant paleontology in Maine, the seismic structure of the earth's crust underlying Maine, and an electron microscope study of the Vassalboro Formation. \$2.50 [PDF](#)
- STUD2    **Studies in Maine geology: Volume 2 - Structure and stratigraphy**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 200 p., 107 figs., 9 papers with abstracts and references, Includes technical papers on the stratigraphy of eastern Maine and western New Brunswick, description and tectonic significance of the Hurricane Mtn. mélange, the Depot Mtn. Formation in northwestern Maine, sedimentary facies and tectonic interpretation of the Carrabassett Formation, Silurian roundstone conglomerates of coastal Maine, polyphase deformation in the Penobscot Bay area, multiple folding in south-central Maine, thrust and strike-slip faults near Jackman, and geologic and geomechanical properties of the Mount Waldo granite. \$2.50 [PDF](#)
- STUD3    **Studies in Maine geology: Volume 3 - Igneous and metamorphic geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 130 p., 67 figs., 8 papers with abstracts and references, Includes technical papers on metamorphism in Maine, a thermal model for Carboniferous metamorphism near the Sebago batholith, Carboniferous Barrovian metamorphism in southern Maine, isotopic systematics and geochemistry of two-mica granites in northern New England, commingling of diverse magma types in the Flagstaff Lake Igneous Complex, Mesozoic dikes of southern coastal Maine, geochemical aspects of volcanic rocks in east Penobscot Bay, and stream sediment geochemistry of the Attean quartz monzonite. \$2.50 [PDF](#)
- STUD4    **Studies in Maine geology: Volume 4 - Igneous and metamorphic geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 175 p., 91 figs., 11 papers with abstracts and references, Includes technical papers on plutonism in the coastal Maine magmatic province, commingled gabbroic and granitic magmas in the northern Bays-of-Maine igneous complex, geochemistry of the granite-gabbro complex on Vinalhaven Island, geology and geochemistry of the Rattlesnake Mtn. igneous complex, Mesozoic stocks in the Newfield quadrangle, petrographic and geochemical variations within the Songo pluton, geochronology of the Songo pluton, isotopic dating of the Horserace quartz diorite, regional significance of the Chain Lakes massif, geochemistry of the Catheart Mtn. porphyry copper deposit, and multiple thermal metamorphism of the Digdeguash Formation in the contact aureole of the Pocomoonshine gabbro-diorite. \$2.50 [PDF](#)
- STUD5    **Studies in Maine geology: Volume 5 - Quaternary geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 176 p., 130 figs., 10 papers with abstracts and references, Includes technical papers on the timing and mechanisms for deposition of the glaciomarine mud in the Gulf of Maine, a submerged shoreline on the inner continental shelf of the western Gulf of Maine, depositional sequence modeling of Late Quaternary evolution for the west-central Maine coast, geomorphology and Late Quaternary evolution of the Saco Bay region, morphodynamics of tidal inlet systems in Maine, origin and sedimentation of Maine lakes emphasizing lake-outlet deltas, major influences on lake water chemistry, peat resources in Maine, lithologic and structural control on the geomorphology of mountainous areas in north-central Maine, and radon in Maine. \$2.50 [PDF](#)
- STUD6    **Studies in Maine geology: Volume 6 - Quaternary geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 142 p., 98 figs., 9 papers with abstracts and references, Includes technical papers on the history of Quaternary surficial geologic studies in Maine, Late Wisconsinan deglaciation of coastal Maine, Late Wisconsinan glacial and glaciomarine sedimentary facies in the lower Androscoggin Valley, stratified, waterlain glacial sediments and the "New Sharon Soil" deglaciation of the upper Androscoggin River valley and northeastern White Mtns., late-glacial dunes, ventifacts, and wind direction in west-central Maine, Late Wisconsin glacial geology of eastern Mount Desert Island, Late Quaternary glacial history of Mt. Katahdin, postglacial drainage evolution of the St. John River basin. \$2.50 [PDF](#)

### Geologic Maps of the State of Maine

Publication No.    Title and Description

- BGMM    **Bedrock geologic map of Maine**, 1985, Osberg, Philip H., Hussey, Arthur M., II, and Boone, Gary M. (editors), 1 plate, correlation chart, tectonic inset map, metamorphic inset map, color geologic map, cross sections, scale 1:500,000. A 42" x 57", a color wall map showing the bedrock geology of Maine. Ages of rocks in color, lithologies differentiated by patterns, inset map of tectonic features, map of metamorphic zones, correlation chart, and extensive reference list. \$5.00 [PDF](#)

## GENERAL GEOLOGY

GRAV	<b>Complete Bouguer gravity anomaly map of Maine and vicinity</b> , 1993, Bond, Kevin R., map, scale 1:500,000. Map showing gravity contours and station locations. \$3.50 <a href="#">PDF</a>
EIM	<b>Earthquakes in Maine</b> , 2003, Berry, Henry N., IV and Loiselle, Marc (compiler), 11" x 17" color map, scale 1:2,000,000. Map of Maine showing all earthquakes since 1814 for which magnitudes were measured or have been estimated. Also includes discussion of Maine's earthquake history, what happens during an earthquake, regional seismicity, and causes and risks of Maine earthquakes. Printed copy unavailable <a href="#">PDF</a>
SBGMM	<b>Simplified bedrock geologic map of Maine</b> , 2002, Loiselle, Marc (cartographer), 11" x 17" color map, scale 1:2,000,000. Map showing the simplified bedrock geology of Maine. Inset maps show regional metamorphic zones and generalized Northern Appalachian geology. The map also includes a generalized geologic cross section. A table and text on the reverse describe the geologic history of Maine and how it relates to plate tectonics. \$0.50 <a href="#">PDF</a>
SSGMM	<b>Simplified surficial geologic map of Maine</b> , 2003, Loiselle, Marc, 11" x 17" color map. scale 1:2,000,000. This map shows the simplified surficial geology of Maine. Inset map shows maximum ice extent. The map also includes a generalized geologic cross section and block diagrams showing glacial recession in southern Maine. \$0.50 <a href="#">PDF</a>
SGMM	<b>Surficial geologic map of Maine</b> , 1985, Thompson, Woodrow B., and Borns, Harold W., Jr. (editors), 42" x 52" color map, scale 1:500,000. Wall map showing the surficial geology of Maine. Includes sites of special interest, radiocarbon-dated sites, reference list, correlation chart, inset map of inferred extent of ice cover during deglaciation. \$4.50 <a href="#">PDF</a>

### Mineral Collecting in Maine

#### Publication No.    Title and Description

B-41OL	<b>A collector's guide to Maine mineral localities</b> , 2005, Thompson, Woodrow B., Joyner, Donald L., Woodman, Raymond G., and King, Vandall T., online edition, Identifies and describes mineral collecting localities and gives detailed directions to find each site. Includes a checklist of Maine minerals which lists the mineral name and the area found. Printed copy unavailable <a href="#">PDF</a>
MIN2HC	<b>Mineralogy of Maine Volume 2: Mining History, Gems, and Geology (hardcover)</b> , 2000, King, Vandall T. (editor), 524 p., 45 color photos, 344 black-and-white photos, hardcover, This book is a collection of 16 articles with emphasis on the state's rich mining history, gem production, and geology. Topics include gem mining operations, the 1880's silver boom, meteorites, types of Maine gems, maps of known mineral localities in Maine. \$25.00
MIN2SC	<b>Mineralogy of Maine Volume 2: Mining History, Gems, and Geology (softcover)</b> , 2000, King, Vandall T. (editor), 524 p., 45 color photos, 344 black-and-white photos, softcover, This book is a collection of 16 articles with emphasis on the state's rich mining history, gem production, and geology. Topics include gem mining operations, the 1880's silver boom, meteorites, types of Maine gems, maps of known mineral localities in Maine. \$20.00
MINESC	<b>Mineralogy of Maine, Volume 1: Descriptive mineralogy</b> , 1994, King, Vandall T., and Foord, Eugene E., 418 p., 88 plates, 70 crystal diagrams and figures, softcover, A comprehensive listing of all known minerals found in Maine. Text includes locality names and extensive references to the discovery and abundance of Maine minerals. \$20.00

## WATER RESOURCES

### Significant Sand and Gravel Aquifer Maps (scale 1:24,000)

These color maps provide information on the characteristics of sand and gravel aquifers, including location of the aquifer boundaries and expected yields. Reports associated with these maps are sold separately. Refer to Appendix D for map locations. Price per map (color): \$5.00. Aquifer maps are also available online as PDF files.

Quadrangle	Pub. Number	Report	Quadrangle	Pub. Number	Report	Quadrangle	Pub. Number	Report
Addison	<a href="#">00-196</a>	<a href="#">88-7a</a>	Bridgewater	<a href="#">02-118</a>	<a href="#">89-1a</a>	Dixmont	<a href="#">01-51</a>	<a href="#">92-2</a>
Albion	<a href="#">15-27</a>	<a href="#">87-24a</a>	Bridgton	<a href="#">98-150</a>	<a href="#">87-1a</a>	Dover East	<a href="#">98-127</a>	
Alder Brook	<a href="#">01-1</a>	<a href="#">97-44</a>	Bristol	<a href="#">99-13</a>		Dover-Foxcroft	<a href="#">01-53</a>	<a href="#">95-37</a>
Alfred	<a href="#">98-147</a>		Brooks East	<a href="#">14-18</a>	<a href="#">92-2</a>	Doyle Ridge	<a href="#">02-120</a>	<a href="#">89-1a</a>
Allagash	<a href="#">04-61</a>		Brooks West	<a href="#">14-19</a>	<a href="#">92-2</a>	Duck Lake	<a href="#">01-317</a>	
Allagash Falls	<a href="#">06-25</a>		Brookton	<a href="#">01-341</a>		Eagle Lake	<a href="#">04-13</a>	
Alligator Lake	<a href="#">98-58</a>	<a href="#">98-57</a>	Brownfield	<a href="#">98-195</a>	<a href="#">87-1a</a>	East Andover	<a href="#">16-24</a>	<a href="#">95-3</a>
Amherst	<a href="#">00-175</a>	<a href="#">88-7a</a>	Brownville Junction	<a href="#">98-62</a>	<a href="#">98-57</a>	East Carry Pond	<a href="#">08-12</a>	<a href="#">95-37</a>
Andover	<a href="#">01-3</a>	<a href="#">95-3</a>	Brunswick	<a href="#">99-18</a>	<a href="#">85-82A</a>	East Dixfield	<a href="#">00-37</a>	<a href="#">85-82A</a>
Ashland	<a href="#">02-104</a>	<a href="#">89-1a</a>	Bryant Pond	<a href="#">08-84</a>	<a href="#">87-1a</a>	East Dixmont	<a href="#">01-58</a>	<a href="#">92-2</a>
Athens	<a href="#">01-5</a>	<a href="#">95-37</a>	Buckfield	<a href="#">06-24</a>	<a href="#">85-82A</a>	East Lake SE	<a href="#">07-63</a>	
Attean Pond	<a href="#">03-79</a>		Buckspport	<a href="#">11-59</a>	<a href="#">92-2</a>	East Millinocket	<a href="#">01-60</a>	<a href="#">92-2</a>
Augusta	<a href="#">99-33</a>	<a href="#">85-82A</a>	Burlington	<a href="#">98-61</a>	<a href="#">98-57</a>	East Pittston	<a href="#">09-50</a>	<a href="#">85-82A</a>
B Pond	<a href="#">01-7</a>	<a href="#">95-3</a>	Burnham	<a href="#">00-17</a>	<a href="#">87-24a</a>	East Stoneham	<a href="#">03-3</a>	<a href="#">87-1a</a>
Bald Mtn. Pond	<a href="#">98-3</a>	<a href="#">98-2</a>	Calais	<a href="#">00-114</a>	<a href="#">88-7a</a>	East Winn	<a href="#">01-62</a>	<a href="#">92-2</a>
Bangor	<a href="#">08-57</a>	<a href="#">92-2</a>	Cambridge	<a href="#">01-31</a>	<a href="#">95-37</a>	Eastbrook	<a href="#">00-178</a>	<a href="#">88-7a</a>
Bar Mills	<a href="#">98-145</a>		Campbell Brook	<a href="#">03-39</a>		Easton	<a href="#">02-112</a>	<a href="#">89-1a</a>
Barren Mountain East	<a href="#">98-4</a>	<a href="#">98-2</a>	Canaan	<a href="#">00-13</a>	<a href="#">87-24a</a>	Easton Center	<a href="#">02-113</a>	<a href="#">89-1a</a>
Barren Mountain West	<a href="#">98-5</a>	<a href="#">98-2</a>	Canton	<a href="#">06-73</a>		Ebeemee Mountain	<a href="#">98-63</a>	<a href="#">98-57</a>
Basin Mountain	<a href="#">08-2</a>		Caratunk	<a href="#">01-32</a>	<a href="#">95-37</a>	Echo Lake	<a href="#">02-114</a>	<a href="#">89-1a</a>
Bath	<a href="#">99-19</a>	<a href="#">85-82A</a>	Caribou	<a href="#">02-125</a>	<a href="#">89-1a</a>	Ellis Pond	<a href="#">01-64</a>	<a href="#">95-3</a>
Beau Lake	<a href="#">07-43</a>		Caribou Lake North	<a href="#">08-19</a>		Ellsworth	<a href="#">12-18</a>	<a href="#">88-7a</a>
Beech Hill Pond	<a href="#">00-177</a>	<a href="#">88-7a</a>	Caribou Lake South	<a href="#">08-21</a>		Embden Pond	<a href="#">01-65</a>	<a href="#">95-37</a>
Belfast	<a href="#">14-17</a>		Carmel	<a href="#">01-34</a>	<a href="#">92-2</a>	Enchanted Pond	<a href="#">08-6</a>	
Belgrade	<a href="#">99-30</a>	<a href="#">85-82A</a>	Carr Pond	<a href="#">04-7</a>		Endless Lake	<a href="#">01-67</a>	<a href="#">92-2</a>
Belgrade Lakes	<a href="#">00-28</a>	<a href="#">87-24a</a>	Casco	<a href="#">98-151</a>	<a href="#">87-1a</a>	Epping	<a href="#">00-186</a>	<a href="#">88-7a</a>
Benedicta	<a href="#">01-11</a>	<a href="#">97-44</a>	Castine	<a href="#">06-13</a>		Estcourt	<a href="#">07-47</a>	
Bethel	<a href="#">03-98</a>	<a href="#">87-1a</a>	Catheart Mountain	<a href="#">03-81</a>		Fairfield	<a href="#">15-28</a>	<a href="#">87-24a</a>
Biddeford	<a href="#">98-149</a>		Cedar Lake	<a href="#">01-36</a>	<a href="#">92-2</a>	Falls Brook Lake	<a href="#">04-67</a>	
Big Black Rapids	<a href="#">06-46</a>		Center Lovell	<a href="#">98-206</a>	<a href="#">87-1a</a>	Farmington	<a href="#">00-35</a>	<a href="#">85-82A</a>
Big Brook Lake	<a href="#">06-29</a>		Chain of Ponds	<a href="#">03-74</a>		Farmington Falls	<a href="#">00-39</a>	<a href="#">85-82A</a>
Big Lake	<a href="#">01-338</a>		Chandler Mtn	<a href="#">04-57</a>		Farrar Mountain	<a href="#">08-23</a>	
Big Moose Pond	<a href="#">02-225</a>	<a href="#">98-2</a>	Charles Pond	<a href="#">06-50</a>		Farrow Mountain	<a href="#">01-342</a>	
Big Rapids	<a href="#">07-61</a>		Charleston	<a href="#">01-37</a>	<a href="#">95-37</a>	Fayette	<a href="#">98-219</a>	<a href="#">85-82A</a>
Big Shanty Mountain	<a href="#">08-54</a>	<a href="#">98-57</a>	Chemo Pond	<a href="#">09-51</a>	<a href="#">92-2</a>	Fish River Lake	<a href="#">04-9</a>	
Big Spencer Mtn	<a href="#">08-9</a>		Cherryfield	<a href="#">00-188</a>	<a href="#">88-7a</a>	Fish River Lake SW	<a href="#">06-27</a>	
Bingham	<a href="#">01-13</a>	<a href="#">95-37</a>	China Lake	<a href="#">00-1</a>	<a href="#">87-24a</a>	Five Finger Brook	<a href="#">06-31</a>	
Black Brook Pond	<a href="#">98-6</a>	<a href="#">98-2</a>	Churchill Stream	<a href="#">03-42</a>		Fletcher Peak	<a href="#">01-321</a>	
Black Mountain	<a href="#">01-15</a>	<a href="#">95-3</a>	Clifford Lake	<a href="#">01-326</a>		Forest	<a href="#">01-299</a>	
Black Nubble	<a href="#">01-16</a>	<a href="#">95-3</a>	Clinton	<a href="#">00-16</a>	<a href="#">87-24a</a>	Forks of Machias	<a href="#">04-51</a>	
Blue Brook	<a href="#">06-44</a>		Columbia Falls	<a href="#">00-193</a>	<a href="#">88-7a</a>	Fort Fairfield	<a href="#">02-127</a>	<a href="#">89-1a</a>
Blue Hill	<a href="#">07-2</a>		Cornish	<a href="#">98-198</a>	<a href="#">87-1a</a>	Fort Fairfield NW	<a href="#">02-123</a>	<a href="#">89-1a</a>
Bog Lake	<a href="#">00-191</a>	<a href="#">88-7a</a>	Crawford Lake	<a href="#">01-327</a>		Fort Kent North	<a href="#">02-131</a>	<a href="#">89-1a</a>
Bosebuck Mountain	<a href="#">01-18</a>	<a href="#">95-3</a>	Crystal	<a href="#">01-41</a>	<a href="#">97-44</a>	Fort Kent South	<a href="#">02-134</a>	<a href="#">89-1a</a>
Bottle Lake	<a href="#">01-336</a>		Cumberland Center	<a href="#">99-27</a>	<a href="#">85-82A</a>	Foster Ridge	<a href="#">01-69</a>	<a href="#">95-37</a>
Bowdoinham	<a href="#">04-80</a>	<a href="#">85-82A</a>	Cutler	<a href="#">00-131</a>	<a href="#">88-7a</a>	Freeport	<a href="#">02-155</a>	<a href="#">85-82A</a>
Bowers Mountain	<a href="#">01-334</a>		Daigle	<a href="#">02-138</a>	<a href="#">89-1a</a>	Frenchville	<a href="#">02-135</a>	<a href="#">89-1a</a>
Bowlin Brook	<a href="#">04-75</a>		Danforth	<a href="#">01-43</a>	<a href="#">97-44</a>	Fryeburg	<a href="#">98-193</a>	<a href="#">87-1a</a>
Bradford	<a href="#">01-19</a>	<a href="#">95-37</a>	Dark Cove Mountain	<a href="#">01-318</a>		Gardiner	<a href="#">99-36</a>	<a href="#">85-82A</a>
Branch Lake	<a href="#">11-50</a>	<a href="#">92-2</a>	Deasey Mountain	<a href="#">01-45</a>	<a href="#">92-2</a>	Gardner Pond	<a href="#">06-35</a>	
Brandy Pond	<a href="#">98-60</a>	<a href="#">98-57</a>	Dill Hill	<a href="#">01-335</a>		Garland	<a href="#">01-71</a>	<a href="#">95-37</a>
Brassua Lake West	<a href="#">98-9</a>	<a href="#">98-2</a>	Dimmick Mountain	<a href="#">01-47</a>	<a href="#">95-37</a>	Gassabias Lake	<a href="#">01-320</a>	
Brewer Lake	<a href="#">11-53</a>	<a href="#">92-2</a>	Dixfield	<a href="#">01-49</a>	<a href="#">95-3</a>	Gilead	<a href="#">03-99</a>	<a href="#">87-1a</a>

WATER RESOURCES

Quadrangle	Catalog Number	Report	Quadrangle	Pub. Number	Report	Quadrangle	Pub. Number	Report
Goodwin	<a href="#">02-126</a>	<a href="#">89-1a</a>	Kingsbury	<a href="#">01-116</a>	<a href="#">95-37</a>	Milo North	<a href="#">98-67</a>	<a href="#">98-57</a>
Gorham	<a href="#">98-143</a>		Knowles Corner	<a href="#">01-118</a>	<a href="#">97-44</a>	Milo South	<a href="#">01-159</a>	<a href="#">95-37</a>
Grand Isle	<a href="#">02-137</a>	<a href="#">89-1a</a>	Kokadjo	<a href="#">03-67</a>		Milton	<a href="#">98-139</a>	
Grand Lake Seboeis	<a href="#">04-59</a>		La Pomkeag Lake	<a href="#">04-53</a>		Minot	<a href="#">99-21</a>	<a href="#">85-82A</a>
Grand Lake Stream	<a href="#">01-319</a>		Lagrange	<a href="#">02-163</a>	<a href="#">92-2</a>	Misery Knob	<a href="#">98-15</a>	<a href="#">98-2</a>
Gray	<a href="#">99-24</a>	<a href="#">85-82A</a>	Lake Auburn East	<a href="#">02-149</a>	<a href="#">85-82A</a>	Molasses Pond	<a href="#">00-179</a>	<a href="#">88-7a</a>
Great East Lake	<a href="#">98-137</a>		Lake Auburn West	<a href="#">98-223</a>	<a href="#">85-82A</a>	Molunkus Lake	<a href="#">01-161</a>	<a href="#">97-44</a>
Great Pond	<a href="#">98-65</a>	<a href="#">98-57</a>	Lake Cathance	<a href="#">01-331</a>		Monarda	<a href="#">01-163</a>	<a href="#">97-44</a>
Green Lake	<a href="#">11-29</a>	<a href="#">92-2</a>	Lambert Lake	<a href="#">01-344</a>		Monmouth	<a href="#">98-225</a>	<a href="#">85-82A</a>
Green Mountain	<a href="#">01-75</a>	<a href="#">97-44</a>	Landry	<a href="#">07-51</a>		Monroe Lake	<a href="#">01-322</a>	
Greenbush	<a href="#">01-77</a>	<a href="#">92-2</a>	Lead Mountain	<a href="#">00-181</a>	<a href="#">88-7a</a>	Monson East	<a href="#">98-16</a>	<a href="#">98-2</a>
Greenfield	<a href="#">98-64</a>	<a href="#">98-57</a>	Lee	<a href="#">01-122</a>	<a href="#">92-2</a>	Monson West	<a href="#">98-17</a>	<a href="#">98-2</a>
Greenville	<a href="#">98-10</a>	<a href="#">98-2</a>	Lewiston	<a href="#">99-22</a>	<a href="#">85-82A</a>	Montegail Pond	<a href="#">00-183</a>	<a href="#">88-7a</a>
Greenwood	<a href="#">07-75</a>	<a href="#">87-1a</a>	Liberty	<a href="#">00-3</a>	<a href="#">87-24a</a>	Monticello	<a href="#">01-165</a>	<a href="#">97-44</a>
Griswold	<a href="#">02-110</a>	<a href="#">89-1a</a>	Lille	<a href="#">02-128</a>	<a href="#">89-1a</a>	Monument Brook	<a href="#">01-167</a>	<a href="#">97-44</a>
Guilford	<a href="#">01-79</a>	<a href="#">95-37</a>	Lily Bay	<a href="#">98-14</a>	<a href="#">98-2</a>	Moose Bog	<a href="#">03-35</a>	
Hadley Lake	<a href="#">02-157</a>	<a href="#">88-7a</a>	Limerick	<a href="#">98-136</a>		Morrill	<a href="#">14-16</a>	
Hafey Pond	<a href="#">07-45</a>		Limestone	<a href="#">02-124</a>	<a href="#">89-1a</a>	Mount Abraham	<a href="#">07-97</a>	<a href="#">95-37</a>
Hamlin	<a href="#">02-121</a>	<a href="#">89-1a</a>	Limington	<a href="#">98-141</a>		Mount Blue	<a href="#">00-34</a>	<a href="#">85-82A</a>
Hampden	<a href="#">11-5</a>	<a href="#">92-2</a>	Lincoln Center	<a href="#">01-124</a>	<a href="#">92-2</a>	Mount Chase	<a href="#">01-172</a>	<a href="#">97-44</a>
Hancock	<a href="#">11-49</a>	<a href="#">88-7a</a>	Lincoln Pond	<a href="#">01-126</a>	<a href="#">95-3</a>	Mount Kineo	<a href="#">98-19</a>	<a href="#">98-2</a>
Hardy Pond	<a href="#">01-83</a>	<a href="#">92-2</a>	Lincoln West	<a href="#">15-23</a>	<a href="#">92-2</a>	Mount Zircon	<a href="#">98-209</a>	<a href="#">87-1a</a>
Harmony	<a href="#">01-85</a>	<a href="#">95-37</a>	Lincolnvile	<a href="#">06-78</a>		Mousam Lake	<a href="#">98-138</a>	
Harrington	<a href="#">00-189</a>	<a href="#">88-7a</a>	Linneus	<a href="#">01-130</a>	<a href="#">97-44</a>	Moxie Pond	<a href="#">98-20</a>	<a href="#">98-2</a>
Harrington Lake	<a href="#">08-25</a>		Lisbon Falls North	<a href="#">99-23</a>	<a href="#">85-82A</a>	Mt. Waldo	<a href="#">01-171</a>	<a href="#">92-2</a>
Hartland	<a href="#">01-86</a>	<a href="#">95-37</a>	Lisbon Falls South	<a href="#">99-26</a>	<a href="#">85-82A</a>	Naples	<a href="#">98-154</a>	<a href="#">87-1a</a>
Harvey	<a href="#">01-88</a>	<a href="#">97-44</a>	Little Bigelow Mtn.	<a href="#">01-132</a>	<a href="#">95-37</a>	New Portland	<a href="#">09-53</a>	<a href="#">95-37</a>
Hay Brook Mtn.	<a href="#">04-73</a>		Little Kennebago Lake	<a href="#">01-133</a>	<a href="#">95-3</a>	New Sharon	<a href="#">00-36</a>	<a href="#">85-82A</a>
Hay Lake	<a href="#">04-71</a>		Little Machias Lake	<a href="#">04-3</a>		New Sweden	<a href="#">02-122</a>	<a href="#">89-1a</a>
Hay Mountain	<a href="#">08-85</a>	<a href="#">98-2</a>	Livermore Falls	<a href="#">08-61</a>	<a href="#">85-82A</a>	Newbury Neck	<a href="#">12-14</a>	
Haynesville	<a href="#">01-90</a>	<a href="#">97-44</a>	Lobster Mountain	<a href="#">03-65</a>		Newport	<a href="#">00-15</a>	<a href="#">87-24a</a>
Heald Pond	<a href="#">03-41</a>		Long Lake	<a href="#">00-127</a>	<a href="#">88-7a</a>	Nine Meadow Ridge	<a href="#">01-176</a>	<a href="#">92-2</a>
Hermon	<a href="#">01-92</a>	<a href="#">92-2</a>	Long Pond	<a href="#">03-83</a>		Ninemile Deadwater	<a href="#">06-48</a>	
Hinckley	<a href="#">00-27</a>	<a href="#">87-24a</a>	Lookout Mountain	<a href="#">01-135</a>	<a href="#">92-2</a>	Nollesemic Lake	<a href="#">01-178</a>	<a href="#">92-2</a>
Hiram	<a href="#">98-196</a>	<a href="#">87-1a</a>	Loon Bay	<a href="#">01-348</a>		Norridgewock	<a href="#">00-26</a>	<a href="#">87-24a</a>
Holeb	<a href="#">07-16</a>		Louise Mountain	<a href="#">03-36</a>		North Amity	<a href="#">01-179</a>	<a href="#">97-44</a>
Hopkins Pond	<a href="#">09-52</a>	<a href="#">88-7a</a>	Lubec	<a href="#">00-119</a>	<a href="#">88-7a</a>	North Berwick	<a href="#">98-129</a>	
Houghton	<a href="#">01-94</a>	<a href="#">95-3</a>	Ludlow	<a href="#">01-137</a>	<a href="#">97-44</a>	North East Carry	<a href="#">98-21</a>	<a href="#">98-2</a>
Houlton North	<a href="#">01-96</a>	<a href="#">97-44</a>	Machias	<a href="#">00-195</a>	<a href="#">88-7a</a>	North Pownal	<a href="#">99-25</a>	<a href="#">85-82A</a>
Houlton Pond	<a href="#">06-40</a>		Machias Bay	<a href="#">00-130</a>	<a href="#">88-7a</a>	North Sebago	<a href="#">98-153</a>	<a href="#">87-1a</a>
Houlton South	<a href="#">01-98</a>	<a href="#">97-44</a>	Madawaska	<a href="#">02-136</a>	<a href="#">89-1a</a>	North Waterford	<a href="#">98-207</a>	<a href="#">87-1a</a>
Howland	<a href="#">01-100</a>	<a href="#">92-2</a>	Madison East	<a href="#">00-23</a>	<a href="#">87-24a</a>	North Whitefield	<a href="#">09-55</a>	<a href="#">87-24a</a>
Indian Pond North	<a href="#">98-12</a>	<a href="#">98-2</a>	Madison West	<a href="#">00-22</a>	<a href="#">87-24a</a>	North Windham	<a href="#">98-158</a>	<a href="#">87-1a</a>
Island Falls	<a href="#">01-102</a>	<a href="#">97-44</a>	Madrid	<a href="#">01-139</a>	<a href="#">95-3</a>	Northeast Bluff	<a href="#">00-182</a>	<a href="#">88-7a</a>
Jackman	<a href="#">03-40</a>		Mahoney Hill	<a href="#">15-24</a>	<a href="#">95-37</a>	Northwest Pond	<a href="#">03-37</a>	
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## Water Resource Reports

### Reports To Accompany 1:24,000 Significant Aquifer Maps

<u>Publication No.</u>	<u>Title and Description</u>
85-82A	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Androscoggin, Cumberland, Franklin, Kennebec, Lincoln, Oxford, Sagadahoc, and Somerset Counties, Maine; sand and gravel aquifer maps 10, 11, 16, 17, and 32</b> , 1985, Tepper, Dorothy H., Williams, John S., Tolman, Andrews L., and Prescott, Glenn C., Jr., 106 p., 11 figs, 9 tables, Accompanies 1:24000 Significant Aquifer Maps. \$5.30 <a href="#">PDF</a>
87-1a	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Androscoggin, Cumberland, Oxford, and York Counties, Maine</b> , 1987, Williams, John S., Tepper, Dorothy H., Tolman, Andrews L., and Thompson, Woodrow B., 121 p., 11 figs., 11 tables, Accompanies 1:24000 Significant Aquifer Maps. \$6.00 <a href="#">PDF</a>
89-1a	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Aroostook County, Maine</b> , 1989, Locke, Daniel B., Steiger, Judy I., Weddle, Thomas K., and Neil, Craig D., 88 p., 13 figs., 14 tables, Accompanies 1:24000 Significant Aquifer Maps. \$4.40 <a href="#">PDF</a>
92-2	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Aroostook, Hancock, Penobscot, Piscataquis, and Waldo Counties, Maine</b> , 1992, Neil, Craig D., Steiger, Judy I., and Weddle, Thomas K., 73 p., 7 figs., 9 tables, Accompanies 1:24000 Significant Aquifer Maps. \$3.75 <a href="#">PDF</a>
97-44	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Aroostook, Penobscot, and Washington Counties, Maine</b> , 1997, Locke, Daniel B., Neil, Craig B., Nichols, William J., Jr., and Weddle, Thomas K., 91 p., 17 fig., 8 tables, 3 apps. Accompanies 1:24000 Significant Aquifer Maps. \$4.75 <a href="#">PDF</a>
87-24a	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Franklin, Kennebec, Knox, Lincoln, Penobscot, Somerset, and Waldo Counties, Maine; significant sand and gravel maps 18, 30, and 31</b> , 1987, Adamik, James T., Tolman, Andrews L., Williams, John S., and Weddle, Thomas K., 94 p., 8 figs, 13 tables, Accompanies 1:24000 Significant Aquifer Maps. \$4.75 <a href="#">PDF</a>
95-3	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Franklin, Oxford and Somerset Counties, Maine</b> , 1995, Nichols, William J., Jr., Neil, Craig D., and Weddle, Thomas K., 89 p., 14 figs., 8 tables, 3 apps. Accompanies 1:24000 Significant Aquifer Maps. \$4.50 <a href="#">PDF</a>
95-37	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Franklin, Penobscot, Piscataquis, and Somerset Counties, Maine</b> , 1995, Foster, Lauren E., Lewis, Elizabeth B., Nichols, William J., Jr., Neil, Craig D., and Weddle, Thomas K., 82 p., 12 figs., 8 tables, 3 apps. Accompanies 1:24000 Significant Aquifer Maps. \$4.50 <a href="#">PDF</a>
98-57	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Hancock, Penobscot, and Piscataquis Counties, Maine</b> , 1998, Neil, Craig D., Locke, Daniel B., and Nichols, William J., Jr., 90 p., 14 figs., 8 tables, 3 apps. Accompanies 1:24,000 Significant Aquifer Maps. \$4.95 <a href="#">PDF</a>
88-7a	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Hancock, Penobscot, and Washington Counties, Maine; significant sand and gravel aquifer maps 24, 25, 26, 27, 45</b> , 1988, Weddle, Thomas K., Tolman, Andrews L., Williams, John S., Adamik, James T., Neil, Craig D., and Steiger, Judy I., 116 p., 11 figs, 14 tables, Accompanies 1:24000 Significant Aquifer Maps. \$5.80 <a href="#">PDF</a>
98-2	<b>Hydrogeology and water quality of significant sand and gravel aquifers in parts of Piscataquis and Somerset Counties, Maine</b> , 1998, Nichols, William J., Jr., Neil, Craig D., Locke, Daniel B., and Foley, Michael E., 82 p., 14 figs, 8 tables, 2 apps. Accompanies 1:24000 Significant Aquifer Maps. \$4.55 <a href="#">PDF</a>

### General Water Resources Reports

<u>Publication No.</u>	<u>Title and Description</u>
16-28	<b>Arsenic in Maine's Groundwater</b> , 2016, Marvinney, Robert G., 6 p, Printed copy unavailable <a href="#">PDF</a>
17-13	<b>Corrosive Water – Facts, Common Questions, and Resources</b> , 2017, Gordon, Ryan P., 7 p, Printed copy unavailable <a href="#">PDF</a>
89-2	<b>Final report - Pesticides in ground water study</b> , 1989, Neil, Craig D., Williams, John S., and Weddle, Thomas K. (compilers), 43 p., 5 tables, Final report on pesticide study in agricultural areas. \$2.15 <a href="#">PDF</a>
B-39	<b>Ground water handbook for the State of Maine</b> , 1987, Caswell, W. Bradford, 2nd edition, 135 p., 78 figs., 5 tables, Discusses principles of ground water hydrology, Maine's water situation, available hydrogeologic data, and specific problems and case studies. Written in non-technical style. \$5.00 <a href="#">PDF</a>

## WATER RESOURCES

- NEIGC95 **Guidebook to field trips in southern Maine and adjacent New Hampshire**, 1995, Hussey, Arthur M., II, and Johnston, Robert A. (editors), New England Intercollegiate Geological Conference, 87th annual meeting, October 6-8, 1995, Brunswick, Maine, 314 p., 105 figs, Includes papers on hydrogeology of Belgrade Lakes region, arsenic in ground water, hydrogeology and environmental geology of Gray delta, glaciomarine deposits of Casco Bay sublobe, barriers and inlets of Southern Maine, shear strain in Casco Bay area, terrane in Northern Penobscot Bay, Norumbega fault zone, Acadian suture, metapelite rocks in Casco Bay, coastal lithotectonic belt, Sebago batholith, granite in Topsham-Brunswick area, brittle strike-slip faults, impact of sea level rise on prehistoric human occupation of central Maine coast. \$18.00
- 79-18 **Iron and nitrates in bedrock well water; Cumberland County, Maine**, 1979, Lewis, David E., and Ludwig, Schuyler, 9 p., 2 figs, 5 tables, 2 maps, scale 1:125,000. Maps showing levels of iron and nitrates in sampled wells. \$9.00 [PDF](#)
- PR-1 **Physical resources of Knox County, Maine**, 1974, Caswell, W. Bradford, Jr. (compiler), 63 p. report, 10 figs., 7 color plates, scale 1:125,000. Includes descriptive text and map showing bedrock geology, description of ground water geology and maps of well yield, well depth, bedrock surface topography, thickness of overburden, and piezometric surface. \$6.00 [PDF](#)
- 85-88 **Radon in the domestic environment and its relationship to cancer: an epidemiological study**, 1985, Lanctot, E. Melanie, 39 p., 8 figs., 12 tables, 1 appendix, M.S. thesis. \$2.00 [PDF](#)
- 84-4 **Sources of water-use information in Maine**, 1984, Tepper, Dorothy H., and Lanctot, E. Melanie, 38 p. Description of National Water Use Data system and Maine Water Use Data system. \$2.00 [PDF](#)
- STUD5 **Studies in Maine geology: Volume 5 - Quaternary geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 176 p., 130 figs, 10 papers with abstracts and references, Includes technical papers on the timing and mechanisms for deposition of the glaciomarine mud in the Gulf of Maine, a submerged shoreline on the inner continental shelf of the western Gulf of Maine, depositional sequence modeling of Late Quaternary evolution for the west-central Maine coast, geomorphology and Late Quaternary evolution of the Saco Bay region, morphodynamics of tidal inlet systems in Maine, origin and sedimentation of Maine lakes emphasizing lake-outlet deltas, major influences on lake water chemistry, peat resources in Maine, lithologic and structural control on the geomorphology of mountainous areas in north-central Maine, and radon in Maine. \$2.50 [PDF](#)
- 18-9 **Survey of Agricultural Water Users in Maine: Results for Calendar Year 2016**, 2018, Gordon, Ryan P., Whittaker, Amber H., and Marvinney, Robert G., 40 p, Printed copy unavailable [PDF](#)
- 85-77 **Water quality in sand and gravel aquifers in York County, Maine**, 1985, Williams, John S., Tolman, Andrews L., and Fontaine, Cheryl W., 90 p., 19 figs., 14 tables, map, scale 1:125,000. Describes regional water quality and discusses water quality at 24 potential contamination sites. Map shows aquifers, recharge areas, contamination sources, and monitoring well sites. \$8.50 [PDF](#)

## Wetlands

### National Wetlands Inventory Maps (scale 1:24,000)

This series of maps, produced by the U.S. Fish and Wildlife Service, identifies and classifies wetlands in Maine. All 7.5-minute quadrangles in Maine are covered by NWI maps. Use Appendix A to find the names of the quadrangles you want to order. Price: Black-and-white copies of these maps are available for \$4.00 each.

### Wetlands Reports

#### Publication No. Title and Description

- 84-5 **Hydrologic data for the Great and Denbow Heaths in eastern Maine, October 1980 through September 1981**, 1984, Nichols, William J., Jr., Smath, Joseph A., and Adamik, James T., 43 p., 3 figs, 13 tables, Data for surface water flow and ground water levels. Also published as USGS Open-File Report 83-866. \$2.15 [PDF](#)
- 84-6 **Hydrologic data for the Great and Denbow Heaths in eastern Maine, October 1981 through October 1982**, 1984, Nichols, William J., Jr., 29 p., 3 figs., 9 tables, Data for surface-water flow and ground-water levels. Also published as USGS Open-File Report 83-865. \$2.00 [PDF](#)
- WSL **National list of plant species that occur in wetlands: Maine**, 1988, Reed, Porter B., Jr., National Wetlands Inventory, U. S. Fish and Wildlife Service, NERC-88/18.19, 96 p., 1 fig., appendix, Listing by the U.S. Fish and Wildlife Service for the National Wetlands Inventory. \$5.50
- NWI-EZ **NWI maps made easy: A user's guide to National Wetlands Inventory Maps of the Northeast Region**, 1991, Smith, Glenn S., U. S. Fish and Wildlife Service, 16 p. Explains how to read and interpret National Wetlands Inventory maps. \$1.50

## Bedrock Groundwater Resources

### Bedrock Groundwater Resources Basic Data Maps

This series of maps shows the location and (1) yield of bedrock wells, (2) total depth of bedrock wells, and (3) estimated thickness of surficial materials based on information supplied by well drillers. Scale varies from 1:125,000 to 1:150,000. Refer to Appendix E for map locations. Price per map: \$5.00. Bedrock ground-water resource maps are also available online as PDF files.

Quadrangle	Well Depth	Well Yield	Overburden Thickness
Augusta.....	<a href="#">10-27</a>	<a href="#">10-25</a>	<a href="#">10-26</a>
Bangor.....	<a href="#">10-28</a>	<a href="#">10-30</a>	<a href="#">10-29</a>
Bar Harbor.....	<a href="#">10-31</a>	<a href="#">10-33</a>	<a href="#">10-32</a>
Bath.....	<a href="#">10-34</a>	<a href="#">10-36</a>	<a href="#">10-35</a>
Calais.....	<a href="#">10-37</a>	<a href="#">10-39</a>	<a href="#">10-38</a>
Dover-Foxcroft.....	<a href="#">10-40</a>	<a href="#">10-42</a>	<a href="#">10-41</a>
Houlton.....	<a href="#">10-43</a>	<a href="#">10-45</a>	<a href="#">10-44</a>
Kittery.....	<a href="#">10-46</a>	<a href="#">10-48</a>	<a href="#">10-47</a>
Lewiston.....	<a href="#">10-49</a>	<a href="#">10-51</a>	<a href="#">10-50</a>
Lincoln.....	<a href="#">10-52</a>	<a href="#">10-54</a>	<a href="#">10-53</a>
Machias.....	<a href="#">10-55</a>	<a href="#">10-57</a>	<a href="#">10-56</a>
Madawaska.....	<a href="#">10-58</a>	<a href="#">10-60</a>	<a href="#">10-59</a>
Millinocket.....	<a href="#">10-61</a>	<a href="#">10-63</a>	<a href="#">10-62</a>
Portland.....	<a href="#">10-64</a>	<a href="#">10-66</a>	<a href="#">10-65</a>
Presque Isle.....	<a href="#">10-67</a>	<a href="#">10-69</a>	<a href="#">10-68</a>
Rumford.....	<a href="#">10-70</a>	<a href="#">10-72</a>	<a href="#">10-71</a>
Skowhegan.....	<a href="#">10-73</a>	<a href="#">10-75</a>	<a href="#">10-74</a>

### Bedrock Aquifer Reports

#### Publication No. Title and Description

90-25a **Photo-lineament mapping at 1:40,000 scale in the Sebago batholith and Bottle Lake complex of Maine**, 1990, Caswell, Eichler, and Hill, Inc., 10p., 7figs., 3 maps, scale 1:100,000. Interpretation of photo-lineaments from aerial photography and comparison to geologic and hydrologic features. Includes 3 maps of photolinears. \$13.00 [PDF](#)

### Potential Zones of High Groundwater Transmissivity Maps (scale 1:24,000)

These open-file maps show the location of linear features, selected bedrock wells, and potential zones of high ground-water flow. Refer to Appendix A for quadrangle locations. Price per map: \$4.00. Transmissivity maps are also available online as PDF files.

#### Publication No. Title and Description

85-89d **Potential zones of high ground water transmissivity in the Bath quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89h **Potential zones of high ground water transmissivity in the Boothbay Harbor quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89f **Potential zones of high ground water transmissivity in the Bristol quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89c **Potential zones of high ground water transmissivity in the Damariscotta quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89i **Potential zones of high ground water transmissivity in the Pemaquid Point quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89g **Potential zones of high ground water transmissivity in the Phippsburg quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89a **Potential zones of high ground water transmissivity in the Richmond quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89e **Potential zones of high ground water transmissivity in the Westport quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

85-89b **Potential zones of high ground water transmissivity in the Wiscasset quadrangle, Maine**, 1985, Gerber, Robert G., map, scale 1:24,000. \$4.00 [PDF](#)

### Lineaments, High-Yield Bedrock Wells and Potential Bedrock Recharge Area Maps (scale 1:250,000)

These maps show the location of linear features identified by the interpretation of side-looking airborne radar imagery. Also shown are selected high-yield bedrock wells and areas of potential bedrock recharge. Refer to Appendix C for quadrangle locations. Price per map: \$4.00. Lineament maps are also available online as PDF files.

## WATER RESOURCES

<u>Publication No.</u>	<u>Title and Description</u>
86-69	<b>Lineaments, high-yield bedrock wells, and potential bedrock recharge areas in the Bangor 2 degree sheet</b> , 1986, Caswell, Eichler, and Hill, Inc., map, scale 1:250,000. Bangor. \$4.00 <a href="#">PDF</a>
86-70	<b>Lineaments, high-yield bedrock wells, and potential bedrock recharge areas in the Maine portion of the Eastport 2 degree sheet</b> , 1986, Caswell, Eichler, and Hill, Inc., map, scale 1:250,000. Eastport. \$4.00 <a href="#">PDF</a>
86-68	<b>Lineaments, high-yield bedrock wells, and potential bedrock recharge areas in the Maine portion of the Lewiston 2 degree sheet</b> , 1986, Caswell, Eichler, and Hill, Inc., map, scale 1:250,000. Lewiston. \$4.00 <a href="#">PDF</a>
86-67	<b>Lineaments, high-yield bedrock wells, and potential bedrock recharge areas in the Maine portion of the Portland and Bath 2 degree sheets</b> , 1986, Caswell, Eichler, and Hill, Inc., map, scale 1:250,000. Portland and Bath. \$4.00 <a href="#">PDF</a>
86-71	<b>Lineaments, high-yield bedrock wells, and potential bedrock recharge areas in the Maine portion of the Sherbrooke 2 degree sheet</b> , 1986, Caswell, Eichler, and Hill, Inc., map, scale 1:250,000. Sherbrooke. \$4.00 <a href="#">PDF</a>

### USGS Hydrologic Investigations

<u>Publication No.</u>	<u>Title and Description</u>
HA-452	<b>Average water content of snowpack in Maine</b> , 1972, Hayes, G. S., U. S. Geological Survey, Hydrologic Investigations Atlas HA-452, map, scale 1:1,000,000. \$4.00 <a href="#">PDF</a>
HA-76	<b>Geologic map of the surficial deposits of part of southwestern Maine and their water-bearing characteristics</b> , 1963, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-76, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-486	<b>Ground-water favorability and surficial geology of parts of the Meduxnekeag River and Prestile Stream basins, Maine</b> , 1973, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-486, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-529	<b>Ground-water favorability and surficial geology of the Cherryfield-Jonesboro area, Maine</b> , 1974, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-529, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-443	<b>Ground-water favorability and surficial geology of the lower Aroostook River basin, Maine</b> , 1972, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-443, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-485	<b>Ground-water favorability and surficial geology of the lower St. John River valley, Maine</b> , 1973, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-485, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-535	<b>Ground-water favorability and surficial geology of the Machias-Lubec area, Washington County, Maine</b> , 1974, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-535, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-561	<b>Ground-water favorability and surficial geology of the Portland area, Maine</b> , 1976, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-561, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-564	<b>Ground-water favorability and surficial geology of the Windham-Freeport area, Maine</b> , 1977, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-564, color map, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-285	<b>Ground-water favorability areas and surficial geology of the lower Androscoggin River basin, Maine</b> , 1968, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-285, color map, graphs, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HA-337	<b>Ground-water favorability areas and surficial geology of the lower Kennebec River basin, Maine</b> , 1969, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-337, color map, graphs, scale 1:62,500. \$4.00 <a href="#">PDF</a>
HU-74	<b>Hydrologic unit map, State of Maine</b> , 1974, U. S. Geological Survey, U. S. Geological Survey, map, scale 1:500,000. \$4.00 <a href="#">PDF</a>
HA-225	<b>Surficial geology and availability of ground water in part of the lower Penobscot River basin, Maine</b> , 1966, Prescott, Glenn C., Jr., U. S. Geological Survey, Hydrologic Investigations Atlas HA-225, color map, graphs, 5 p. report, scale 1:62,500. \$4.00 <a href="#">PDF</a>

### Lake Studies

<u>Publication No.</u>	<u>Title and Description</u>
98-122	<b>Beach dynamics of Sebago Lake: A report on the results of beach profiling</b> , 1998, Johnston, Robert A., and Mixon, Martha N., 273 p., 23 figs, 229 beach profiles, Results of beach profiling around perimeter of Sebago Lake to determine shoreline erosion and accretion. \$14.00 <a href="#">PDF</a>
75-18	<b>Hydrogeology of Maine lakes</b> , 1975, Caswell, W. Bradford, 8 p., 5 figs. General description of hydrology of lakes. \$1.00 <a href="#">PDF</a>

## WATER RESOURCES

- 94-4      **Sebago Lake State Park beach dynamics; a report on results of beach profiling**, 1994, Dickson, Stephen M., and Johnston, Robert A., 189 p., 37 figs, 129 beach profiles, Results of beach profiling at Sebago Lake State Park to determine shoreline erosion and accretion. \$9.50 [PDF](#)
- 98-123    **Shoreline classification of Sebago Lake**, 1998, Johnston, Robert A., map, scale 1:24,000. Shoreline classifications on the map provide information on the type and erodability of sediments along the shore. Bathymetry for lake bottom also shown. \$5.00 [PDF](#)
- 98-124    **Songo River: Slope-stability / shoreline classification map**, 1998, Lewis, Elizabeth B., and Johnston, Robert A., map, scale 1:4,000. Shoreline classifications on the map show geologic environments and stability of the river banks. \$5.00 [PDF](#)

## SURFICIAL GEOLOGY

### Surficial Geology Maps and Reports (scale 1:24,000)

#### Maps

These maps portray surficial deposits and locate glacial features such as drumlins, striations, and eskers. Reconnaissance mapping is based on surface exposures seen from roads and in existing gravel pits. Detailed mapping involves in-depth coverage of a quadrangle, gathering information from traverses off-road, auger and shovel holes, examination of well and boring data, and more exhaustive analysis of contact locations. Surficial materials maps and geologic reports associated with each quadrangle are sold separately. Refer to Appendix F for map locations. Price for reconnaissance maps (3-color) (normal type in list below): \$4.00. Price for detailed maps (full color) (bold italics in list below): \$5.00. Detailed surficial geology maps are also available online as PDF files.

Quadrangle	Pub. Number	Report	Quadrangle	Pub. Number	Report	Quadrangle	Pub. Number	Report
<b>Albion</b> .....	<b><u>15-14</u></b>		<b>Ellsworth</b> .....	<b><u>11-33</u></b>		<b>Minot</b> .....	<b><u>02-231</u></b>	<b><u>01-481</u></b>
<b>Alfred</b> .....	<b><u>99-76</u></b>		<b>Fairfield</b> .....	<b><u>15-12</u></b>		Monhegan .....	<b><u>77-47</u></b>	
<b>Augusta</b> .....	<b><u>09-7</u></b>		<b>Farmington</b> .....	<b><u>03-51</u></b>		<b>Monmouth</b> .....	<b><u>08-73</u></b>	
<b>Baker Island</b> .....	<b><u>16-13</u></b>		Farmington Falls .....	<b><u>77-28</u></b>		Moose River .....	<b><u>74-6</u></b>	
<b>Bangor</b> .....	<b><u>11-6</u></b>	<b><u>08-52</u></b>	<b>Fayette</b> .....	<b><u>08-44</u></b>		<b>Morrill</b> .....	<b><u>14-15</u></b>	
<b>Bar Harbor</b> .....	<b><u>16-19</u></b>		<b>Freeport</b> .....	<b><u>99-83</u></b>	<b><u>99-114</u></b>	<b>Mount Blue</b> .....	<b><u>18-20</u></b>	
<b>Bar Mills</b> .....	<b><u>99-77</u></b>	<b><u>99-108</u></b>	Friendship .....	<b><u>74-15</u></b>		<b>Mount Zircon</b> .....	<b><u>08-38</u></b>	
<b>Bartlett Island</b> .....	<b><u>16-16</u></b>		<b>Fryeburg</b> .....	<b><u>14-29</u></b>	<b><u>99-8</u></b>	<b>Mousam Lake</b> .....	<b><u>97-59</u></b>	<b><u>97-74</u></b>
<b>Bass Harbor</b> .....	<b><u>16-14</u></b>		<b>Gardiner</b> .....	<b><u>09-8</u></b>		<b>Mt. Waldo</b> .....	<b><u>14-22</u></b>	
<b>Bath</b> .....	<b><u>02-145</u></b>		<b>Gilead</b> .....	<b><u>03-57</u></b>	<b><u>03-58</u></b>	<b>Naples</b> .....	<b><u>97-50</u></b>	<b><u>97-65</u></b>
<b>Belfast</b> .....	<b><u>14-13</u></b>		<b>Gorham</b> .....	<b><u>99-84</u></b>	<b><u>99-115</u></b>	New Harbor .....	<b><u>75-21</u></b>	
<b>Belgrade</b> .....	<b><u>05-45</u></b>	<b><u>04-38</u></b>	<b>Gray</b> .....	<b><u>97-58</u></b>	<b><u>97-73</u></b>	<b>New Portland</b> .....	<b><u>09-47</u></b>	
<b>Bethel</b> .....	<b><u>08-79</u></b>	<b><u>03-45</u></b>	<b>Great East Lake</b> .....	<b><u>97-46</u></b>	<b><u>97-61</u></b>	<b>New Vineyard</b> .....	<b><u>09-48</u></b>	
<b>Biddeford</b> .....	<b><u>07-81</u></b>	<b><u>99-109</u></b>	Great Wass Island .....	<b><u>77-29</u></b>		<b>Newbury Neck</b> .....	<b><u>16-17</u></b>	
<b>Biddeford Pool</b> .....	<b><u>99-79</u></b>	<b><u>99-110</u></b>	<b>Green Lake</b> .....	<b><u>11-20</u></b>		<b>North Berwick</b> .....	<b><u>99-92</u></b>	<b><u>99-123</u></b>
Bois Bubert .....	<b><u>77-25</u></b>		<b>Greenbush</b> .....	<b><u>16-3</u></b>		<b>North Pownal</b> .....	<b><u>99-93</u></b>	<b><u>99-124</u></b>
Boothbay Harbor .....	<b><u>76-33</u></b>		<b>Greenwood</b> .....	<b><u>07-67</u></b>		<b>North Sebago</b> .....	<b><u>97-56</u></b>	<b><u>97-71</u></b>
<b>Bowdoinham</b> .....	<b><u>03-52</u></b>	<b><u>03-54</u></b>	<b>Hampden</b> .....	<b><u>13-12</u></b>	<b><u>11-7</u></b>	<b>North Waterford</b> .....	<b><u>14-27</u></b>	<b><u>99-4</u></b>
<b>Branch Lake</b> .....	<b><u>11-16</u></b>		<b>Hancock</b> .....	<b><u>12-26</u></b>		<b>North Whitefield</b> .....	<b><u>09-11</u></b>	
<b>Brewer Lake</b> .....	<b><u>11-18</u></b>		Harrington .....	<b><u>77-30</u></b>		<b>North Windham</b> .....	<b><u>97-41</u></b>	<b><u>97-75</u></b>
<b>Bridgton</b> .....	<b><u>08-70</u></b>	<b><u>00-139</u></b>	<b>Hermon</b> .....	<b><u>13-13</u></b>		<b>Norway</b> .....	<b><u>08-74</u></b>	<b><u>00-137</u></b>
Bristol .....	<b><u>76-34</u></b>		<b>Hinckley</b> .....	<b><u>16-5</u></b>		<b>Old Orchard Beach</b> .....	<b><u>99-94</u></b>	<b><u>99-125</u></b>
<b>Brooks East</b> .....	<b><u>14-10</u></b>		<b>Hiram</b> .....	<b><u>99-85</u></b>	<b><u>99-116</u></b>	<b>Old Town</b> .....	<b><u>12-15</u></b>	
<b>Brooks West</b> .....	<b><u>14-8</u></b>		<b>Howland</b> .....	<b><u>16-2</u></b>		<b>Orland</b> .....	<b><u>11-22</u></b>	
<b>Brownfield</b> .....	<b><u>97-48</u></b>	<b><u>97-63</u></b>	<b>Islesboro</b> .....	<b><u>17-1</u></b>		<b>Otter Chain Ponds</b> .....	<b><u>14-21</u></b>	
<b>Brunswick</b> .....	<b><u>01-484</u></b>	<b><u>02-52</u></b>	<b>Jefferson</b> .....	<b><u>14-24</u></b>		<b>Oxford</b> .....	<b><u>01-393</u></b>	<b><u>01-394</u></b>
<b>Bryant Pond</b> .....	<b><u>08-80</u></b>		Jonesport .....	<b><u>77-31</u></b>		Palermo .....	<b><u>86-5</u></b>	
<b>Buckfield</b> .....	<b><u>08-68</u></b>		<b>Kenduskeag</b> .....	<b><u>09-16</u></b>		Pemaquid Point .....	<b><u>75-22</u></b>	
<b>Bucksport</b> .....	<b><u>13-14</u></b>		<b>Kennebunk</b> .....	<b><u>99-86</u></b>	<b><u>99-117</u></b>	<b>Phillips</b> .....	<b><u>03-47</u></b>	<b><u>03-48</u></b>
<b>Camden</b> .....	<b><u>10-6</u></b>		<b>Kennebunkport</b> .....	<b><u>99-87</u></b>	<b><u>99-118</u></b>	Phippsburg .....	<b><u>76-37</u></b>	
<b>Canton</b> .....	<b><u>08-82</u></b>		<b>Kezar Falls</b> .....	<b><u>97-52</u></b>	<b><u>97-67</u></b>	<b>Pleasant Mtn.</b> .....	<b><u>14-26</u></b>	<b><u>99-6</u></b>
<b>Cape Elizabeth</b> .....	<b><u>99-80</u></b>	<b><u>99-111</u></b>	<b>Kingfield</b> .....	<b><u>09-49</u></b>		<b>Portland East</b> .....	<b><u>99-95</u></b>	<b><u>99-126</u></b>
<b>Casco</b> .....	<b><u>00-141</u></b>	<b><u>00-142</u></b>	<b>Kittery</b> .....	<b><u>99-88</u></b>	<b><u>99-119</u></b>	<b>Portland West</b> .....	<b><u>08-16</u></b>	<b><u>97-66</u></b>
<b>Castine</b> .....	<b><u>13-8</u></b>		<b>Lake Auburn East</b> .....	<b><u>08-72</u></b>	<b><u>02-165</u></b>	<b>Portsmouth</b> .....	<b><u>99-96</u></b>	<b><u>99-127</u></b>
<b>Center Lovell</b> .....	<b><u>14-28</u></b>	<b><u>99-2</u></b>	<b>Lake Auburn West</b> .....	<b><u>08-69</u></b>	<b><u>01-392</u></b>	<b>Prouts Neck</b> .....	<b><u>99-97</u></b>	<b><u>99-128</u></b>
<b>Chemo Pond</b> .....	<b><u>12-16</u></b>		<b>Lewiston</b> .....	<b><u>02-154</u></b>	<b><u>02-164</u></b>	<b>Purgatory</b> .....	<b><u>05-46</u></b>	<b><u>03-61</u></b>
<b>China Lake</b> .....	<b><u>15-18</u></b>	<b><u>05-18</u></b>	Liberty .....	<b><u>86-4</u></b>		<b>Pushaw Lake</b> .....	<b><u>09-18</u></b>	
<b>Cornish</b> .....	<b><u>97-54</u></b>	<b><u>97-69</u></b>	<b>Limerick</b> .....	<b><u>99-89</u></b>	<b><u>99-120</u></b>	<b>Raymond</b> .....	<b><u>97-57</u></b>	<b><u>97-72</u></b>
Cross Island .....	<b><u>77-27</u></b>		<b>Limington</b> .....	<b><u>99-90</u></b>	<b><u>99-121</u></b>	Razorville .....	<b><u>86-66</u></b>	
<b>Cumberland Center</b> .....	<b><u>99-81</u></b>	<b><u>99-112</u></b>	<b>Lincolnton</b> .....	<b><u>13-7</u></b>		<b>Readfield</b> .....	<b><u>04-40</u></b>	<b><u>04-41</u></b>
Cutler .....	<b><u>74-2</u></b>		<b>Lisbon Falls North</b> .....	<b><u>03-14</u></b>	<b><u>01-557</u></b>	Red Beach .....	<b><u>74-9</u></b>	
<b>Damariscotta</b> .....	<b><u>09-6</u></b>		<b>Lisbon Falls South</b> .....	<b><u>97-49</u></b>	<b><u>97-64</u></b>	<b>Richmond</b> .....	<b><u>09-13</u></b>	
<b>Devils Head</b> .....	<b><u>74-3</u></b>		<b>Livermore Falls</b> .....	<b><u>08-43</u></b>		Robbinston .....	<b><u>74-10</u></b>	
<b>Dixfield</b> .....	<b><u>18-2</u></b>		Louds Island .....	<b><u>76-36</u></b>		<b>Rochester</b> .....	<b><u>99-98</u></b>	<b><u>99-129</u></b>
<b>Dover East</b> .....	<b><u>07-80</u></b>	<b><u>99-113</u></b>	Machias .....	<b><u>74-4</u></b>		<b>Rockland</b> .....	<b><u>10-8</u></b>	
<b>East Andover</b> .....	<b><u>17-7</u></b>		Machias Bay .....	<b><u>74-5</u></b>		Roque Bluffs .....	<b><u>75-5</u></b>	
<b>East Dixfield</b> .....	<b><u>18-18</u></b>		Matinicus .....	<b><u>77-32</u></b>		<b>Rumford</b> .....	<b><u>17-8</u></b>	
<b>East Pittston</b> .....	<b><u>09-9</u></b>		<b>Mechanic Falls</b> .....	<b><u>01-478</u></b>	<b><u>01-479</u></b>	<b>Salsbury Cove</b> .....	<b><u>16-18</u></b>	
<b>East Stoneham</b> .....	<b><u>03-2</u></b>	<b><u>03-4</u></b>	<b>Milton</b> .....	<b><u>99-91</u></b>	<b><u>99-122</u></b>	<b>Sanford</b> .....	<b><u>97-55</u></b>	<b><u>97-70</u></b>

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<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Report</u>	<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Report</u>	<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Report</u>
<b>Seal Harbor</b> .....	<a href="#">16-20</a>		Tenants Harbor .....	<a href="#">74-17</a>		<b>Weeks Mills</b> .....	<a href="#">10-1</a>	
Searsmont .....	<a href="#">86-65</a>		<b>The Horseback</b> .....	<a href="#">14-6</a>		<b>Wells</b> .....	<a href="#">99-104</a>	<a href="#">99-135</a>
<b>Searsport</b> .....	<a href="#">14-23</a>		<b>Thomaston</b> .....	<a href="#">11-30</a>		<b>West Newfield</b> .....	<a href="#">97-47</a>	<a href="#">97-62</a>
<b>Sebago Lake</b> .....	<a href="#">97-53</a>	<a href="#">97-68</a>	<b>Togus Pond</b> .....	<a href="#">07-101</a>		<b>West Paris</b> .....	<a href="#">08-36</a>	
Small Point .....	<a href="#">76-38</a>		<b>Turner Center</b> .....	<a href="#">08-42</a>		<b>West Rockport</b> .....	<a href="#">10-12</a>	
<b>Snow Mountain</b> .....	<a href="#">13-3</a>		<b>Union</b> .....	<a href="#">14-25</a>		<b>West Sumner</b> .....	<a href="#">08-76</a>	
<b>Somersworth</b> .....	<a href="#">99-99</a>	<a href="#">99-130</a>	<b>Vassalboro</b> .....	<a href="#">05-8</a>		Westport.....	<a href="#">76-40</a>	
<b>South Harpswell</b> .....	<a href="#">99-100</a>	<a href="#">99-131</a>	<b>Veazie</b> .....	<a href="#">11-32</a>		<b>Winthrop</b> .....	<a href="#">08-75</a>	
<b>Southwest Harbor</b> .....	<a href="#">16-21</a>		<b>Waldoboro East</b> .....	<a href="#">12-20</a>		<b>Wiscasset</b> .....	<a href="#">09-4</a>	
<b>Speckled Mountain</b> .....	<a href="#">02-144</a>	<a href="#">03-5</a>	<b>Waldoboro West</b> .....	<a href="#">12-25</a>		<b>Worthley Pond</b> .....	<a href="#">08-81</a>	
<b>Standish</b> .....	<a href="#">99-101</a>	<a href="#">99-132</a>	Washington .....	<a href="#">86-64</a>		<b>Yarmouth</b> .....	<a href="#">99-105</a>	<a href="#">99-136</a>
<b>Steep Falls</b> .....	<a href="#">99-102</a>	<a href="#">99-133</a>	<b>Waterboro</b> .....	<a href="#">99-103</a>	<a href="#">99-134</a>	<b>York Beach</b> .....	<a href="#">99-106</a>	<a href="#">99-137</a>
<b>Strong</b> .....	<a href="#">07-77</a>		<b>Waterford Flat</b> .....	<a href="#">07-78</a>	<a href="#">00-136</a>	<b>York Harbor</b> .....	<a href="#">99-107</a>	<a href="#">99-138</a>
<b>Sullivan</b> .....	<a href="#">12-10</a>		<b>Waterville</b> .....	<a href="#">16-8</a>				
<b>Swans Island</b> .....	<a href="#">16-15</a>		<b>Wayne</b> .....	<a href="#">08-41</a>				



## SURFICIAL GEOLOGY

### Reports

The reports listed below are associated with the detailed surficial geology quadrangle maps listed in the previous section. Each report explains the geologic history of the quadrangle and describes the origin and composition of the geologic units shown on the map. For a description of the surficial geologic materials in each quadrangle, refer to the list of materials maps. Surficial geology reports are also available online as PDF files.

<u>Publication No.</u>	<u>Title and Description</u>
08-52	<b>Surficial geology of the Bangor 7.5' quadrangle, Penobscot County, Maine</b> , 2008, Syverson, Kent M., and Thompson, Andrew H., 16 p. \$3.00 <a href="#">PDF</a>
99-108	<b>Surficial geology of the Bar Mills 7.5-minute quadrangle, York County, Maine</b> , 1999, Hunter, Lewis E., 9 p. \$1.00 <a href="#">PDF</a>
04-38	<b>Surficial geology of the Belgrade 7.5' quadrangle, Kennebec County, Maine</b> , 2004, Hildreth, Carol T., 7 p. \$1.00 <a href="#">PDF</a>
03-45	<b>Surficial geology of the Bethel 7.5-minute quadrangle, Oxford County, Maine</b> , 2003, Thompson, Woodrow B., 14 p. \$3.00 <a href="#">PDF</a>
99-109	<b>Surficial geology of the Biddeford 7.5-minute quadrangle, York County, Maine</b> , 1999, Hildreth, Carol T., 6 p. \$1.00 <a href="#">PDF</a>
99-110	<b>Surficial geology of the Biddeford Pool 7.5-minute quadrangle, York County, Maine</b> , 1999, Hildreth, Carol T., 10 p. \$1.00 <a href="#">PDF</a>
03-54	<b>Surficial geology of the Bowdoinham 7.5-minute quadrangle, Kennebec and Sagadahoc Counties, Maine</b> , 2003, Hildreth, Carol T., 5 p. \$1.00 <a href="#">PDF</a>
00-139	<b>Surficial geology of the Bridgton 7.5-minute quadrangle, Cumberland and Oxford Counties, Maine</b> , 2000, Hildreth, Carol T., 7 p. \$1.00 <a href="#">PDF</a>
97-63	<b>Surficial geology of the Brownfield 7.5-minute quadrangle, Oxford County, Maine</b> , 1997, Davis, P. Thompson and Holland, William R., 18 p. \$1.50 <a href="#">PDF</a>
02-52	<b>Surficial geology of the Brunswick 7.5' quadrangle, Cumberland and Sagadahoc Counties, Maine</b> , 2002, Weddle, Thomas K., 10 p. \$1.00 <a href="#">PDF</a>
99-111	<b>Surficial geology of the Cape Elizabeth 7.5-minute quadrangle, Cumberland County, Maine</b> , 1999, Clinch, J. Michael and Thompson, Woodrow B., 12 p. \$1.50 <a href="#">PDF</a>
00-142	<b>Surficial geology of the Casco quadrangle, Cumberland and Oxford Counties, Maine</b> , 2000, Hildreth, Carol T., 7 p. \$1.00 <a href="#">PDF</a>
99-2	<b>Surficial geology of the Center Lovell 7.5-minute quadrangle, Oxford County, Maine</b> , 1999, Thompson, Woodrow B., 12 p. \$1.50 <a href="#">PDF</a>
05-18	<b>Surficial geology of the China Lake 7.5' quadrangle, Kennebec County, Maine</b> , 2005, Syverson, Kent M., and Mans, David P., 11 p. \$3.00 <a href="#">PDF</a>
97-69	<b>Surficial geology of the Cornish 7.5-minute quadrangle, Cumberland, Oxford, and York Counties, Maine</b> , 1997, Newton, Robert M. and Holland, William R., 19 p. \$1.50 <a href="#">PDF</a>
99-112	<b>Surficial geology of the Cumberland Center 7.5-minute quadrangle, Cumberland County, Maine</b> , 1999, Retelle, Michael J., 6 p. \$1.00 <a href="#">PDF</a>
99-113	<b>Surficial geology of the Dover East 7.5-minute quadrangle, York County, Maine</b> , 1999, Smith, Geoffrey W., 10 p. \$1.00 <a href="#">PDF</a>
03-4	<b>Surficial geology of the East Stoneham 7.5-minute quadrangle, Oxford County, Maine</b> , 2003, Thompson, Woodrow B., 11 p. \$1.50 <a href="#">PDF</a>
99-114	<b>Surficial geology of the Freeport 7.5-minute quadrangle, Cumberland County, Maine</b> , 1999, Weddle, Thomas K., 11 p. \$1.50 <a href="#">PDF</a>
99-8	<b>Surficial geology of the Fryeburg 7.5-minute quadrangle, Oxford County, Maine</b> , 1999, Thompson, Woodrow B., 20 p. \$1.50 <a href="#">PDF</a>
03-58	<b>Surficial geology of the Gilead 7.5-minute quadrangle, Oxford County, Maine</b> , 2003, Thompson, Woodrow B., 9 p. \$1.00 <a href="#">PDF</a>
99-115	<b>Surficial geology of the Gorham 7.5-minute quadrangle, Cumberland and York Counties, Maine</b> , 1999, Smith, Geoffrey W., 8 p. \$1.00 <a href="#">PDF</a>
97-73	<b>Surficial geology of the Gray 7.5-minute quadrangle, Androscoggin and Cumberland Counties, Maine</b> , 1997, Weddle, Thomas K., 10 p. \$1.00 <a href="#">PDF</a>
97-61	<b>Surficial geology of the Great East Lake 7.5-minute quadrangle, York County, Maine</b> , 1997, Boothroyd, Jon C., 9 p. \$1.00 <a href="#">PDF</a>

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- 11-7           **Surficial geology of the Hampden 7.5' quadrangle, Hancock, Penobscot, and Waldo Counties, Maine**, 2011, Syverson, Kent M., and Olson, Jeffrey D., 15 p. \$3.00 [PDF](#)
- 99-116       **Surficial geology of the Hiram 7.5-minute quadrangle, Oxford and Cumberland Counties, Maine**, 1999, Thompson, Woodrow B. and Holland, William R., 11 p. \$1.50 [PDF](#)
- 99-117       **Surficial geology of the Kennebunk 7.5-minute quadrangle, York County, Maine**, 1999, Smith, Geoffrey W., 9 p. \$1.00 [PDF](#)
- 99-118       **Surficial geology of the Kennebunkport 7.5-minute quadrangle, York County, Maine**, 1999, Smith, Geoffrey W., 5 p. \$1.00 [PDF](#)
- 97-67       **Surficial geology of the Kezar Falls 7.5-minute quadrangle, Oxford and York Counties, Maine**, 1997, Davis, P. Thompson and Holland, William R., 14 p. \$1.50 [PDF](#)
- 99-119       **Surficial geology of the Kittery 7.5-minute quadrangle, York County, Maine**, 1999, O'Toole, Patrick B. and Clinch, J. Michael, 4 p. \$0.50 [PDF](#)
- 02-165       **Surficial geology of the Lake Auburn East 7.5-Minute quadrangle, Androscoggin County, Maine**, 2002, Hildreth, Carol T., 5 p. \$1.00 [PDF](#)
- 01-392       **Surficial geology of the Lake Auburn West 7.5-minute quadrangle, Androscoggin and Oxford Counties, Maine**, 2001, Thompson, Woodrow B., 8 p. \$2.00 [PDF](#)
- 02-164       **Surficial geology of the Lewiston 7.5-minute quadrangle, Androscoggin County, Maine**, 2002, Hildreth, Carol T., 6 p. \$1.00 [PDF](#)
- 99-120       **Surficial geology of the Limerick 7.5-minute quadrangle, York County, Maine**, 1999, Wilch, Thom, 7 p. \$1.00 [PDF](#)
- 99-121       **Surficial geology of the Limington 7.5-minute quadrangle, York and Cumberland Counties, Maine**, 1999, Meglioli, Andres and Thompson, Woodrow B., 12 p. \$1.00 [PDF](#)
- 01-557       **Surficial geology of the Lisbon Falls North 7.5' quadrangle, Androscoggin, Kennebec, and Sagadahoc Counties, Maine**, 2001, Weddle, Thomas K., 8 p. \$1.00 [PDF](#)
- 97-64       **Surficial geology of the Lisbon Falls South 7.5-minute quadrangle, Androscoggin, Cumberland, and Sagadahoc Counties, Maine**, 1997, Weddle, Thomas K., 12 p. \$1.50 [PDF](#)
- 01-479       **Surficial geology of the Mechanic Falls quadrangle, Androscoggin, Cumberland, and Oxford Counties, Maine**, 2001, Hildreth, Carol T., 5 p. \$1.00 [PDF](#)
- 99-122       **Surficial geology of the Milton 7.5-minute quadrangle, York County, Maine**, 1999, Meglioli, Andres, 9 p. \$1.00 [PDF](#)
- 01-481       **Surficial geology of the Minot 7.5-Minute quadrangle, Androscoggin and Cumberland Counties, Maine**, 2001, Hildreth, Carol T., 6 p. \$1.00 [PDF](#)
- 97-74       **Surficial geology of the Mousam Lake 7.5-minute quadrangle, York County, Maine**, 1997, Meglioli, Andres and Thompson, Woodrow B., 6 p. \$1.00 [PDF](#)
- 97-65       **Surficial geology of the Naples 7.5-minute quadrangle, Cumberland County, Maine**, 1997, Hildreth, Carol T., 9 p. \$1.00 [PDF](#)
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- 97-71       **Surficial geology of the North Sebago 7.5-minute quadrangle, Oxford and Cumberland Counties, Maine**, 1997, Lepage, Carolyn A., 4 p. \$0.50 [PDF](#)
- 99-4       **Surficial geology of the North Waterford 7.5-minute quadrangle, Oxford County, Maine**, 1999, Thompson, Woodrow B., 10 p. \$1.00 [PDF](#)
- 97-75       **Surficial geology of the North Windham 7.5-minute quadrangle, Cumberland County, Maine**, 1997, Bolduc, André M., Thompson, Woodrow B., Meglioli, Andres, 7 p. \$1.00 [PDF](#)
- 00-137       **Surficial geology of the Norway 7.5-minute quadrangle, Oxford and Cumberland Counties, Maine**, 2000, Thompson, Woodrow B., 7 p. \$1.00 [PDF](#)
- 99-125       **Surficial geology of the Old Orchard Beach 7.5-minute quadrangle, Cumberland and York Counties, Maine**, 1999, Retelle, Michael J., 7 p. \$1.00 [PDF](#)
- 01-394       **Surficial geology of the Oxford 7.5-minute quadrangle, Oxford and Androscoggin Counties, Maine**, 2001, Thompson, Woodrow B., 8 p. \$2.00 [PDF](#)
- 03-48       **Surficial geology of the Phillips 7.5-minute quadrangle, Franklin County, Maine**, 2003, Syverson, Kent M. and Greve, Rachel M., 12 p. \$3.00 [PDF](#)

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- 99-6           **Surficial geology of the Pleasant Mountain 7.5-minute quadrangle, Oxford and Cumberland Counties, Maine,** 1999, Thompson, Woodrow B., 9 p. \$1.00 [PDF](#)
- 99-126       **Surficial geology of the Portland East 7.5-minute quadrangle, Cumberland County, Maine,** 1999, Bernotavicz, Alexa, 3 p. \$1.00 [PDF](#)
- 97-66       **Surficial geology of the Portland West 7.5-minute quadrangle, Cumberland County, Maine,** 1997, Thompson, Woodrow B., 10 p. \$1.00 [PDF](#)
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- 03-61       **Surficial geology of the Purgatory quadrangle, Androscoggin, Kennebec, and Sagadahoc Counties, Maine,** 2004, Hildreth, Carol T., 5 p. \$1.00 [PDF](#)
- 97-72       **Surficial geology of the Raymond 7.5-minute quadrangle, Cumberland County, Maine,** 1997, Retelle, Michael J., 8 p. \$1.00 [PDF](#)
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- 99-131       **Surficial geology of the South Harpswell 7.5-minute quadrangle, Cumberland County, Maine,** 1999, Bernotavicz, Alexa A. and Dubois, Mark, 3 p. \$0.50 [PDF](#)
- 03-5         **Surficial geology of the Speckled Mountain 7.5-minute quadrangle, Oxford County, Maine,** 2003, Thompson, Woodrow B., 9 p. \$1.00 [PDF](#)
- 99-132       **Surficial geology of the Standish 7.5-minute quadrangle, York and Cumberland Counties, Maine,** 1999, Gosse, John C., 24 p. \$2.00 [PDF](#)
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- 08-56       **Surficial geology of the Veazie 7.5' quadrangle, Penobscot County, Maine,** 2008, Hildreth, Carol T., 4 p. \$0.50 [PDF](#)
- 99-134       **Surficial geology of the Waterboro 7.5-minute quadrangle, York County, Maine,** 1999, Meglioli, Andres, 7 p. \$1.00 [PDF](#)
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- 99-137       **Surficial geology of the York Beach 7.5-minute quadrangle, York County, Maine,** 1999, O'Toole, Patrick B. and Clinch, J. Michael, 5 p. \$1.00 [PDF](#)
- 99-138       **Surficial geology of the York Harbor 7.5-minute quadrangle, York County, Maine,** 1999, Clinch, J. Michael and O'Toole, Patrick B., 13 p. \$1.50 [PDF](#)

SURFICIAL GEOLOGY

**Surficial Geology Maps and Reports (scale 1:62,500)**

**Maps**

This series of maps describes surficial deposits and locates glacial features such as drumlins, striations, and eskers. The detail of the maps ranges from general reconnaissance maps in some parts of the state to fairly detailed maps in other places. Geology is shown in black, contours in brown, and culture and drainage in blue. Refer to Appendix G for map locations. Price per map: \$4.00. Reconnaissance surficial geology maps are also available online as PDF files.

<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Report</u>	<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Report</u>	<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Report</u>
Allagash	<a href="#">86-40</a>		Greenville	<a href="#">86-31</a>		Rangeley	<a href="#">75-14</a>	
Allagash Falls	<a href="#">86-41</a>		Guilford	<a href="#">81-18</a>		Rocky Brook	<a href="#">86-45</a>	
Amity	<a href="#">80-2</a>		Houlton	<a href="#">81-9</a>	<a href="#">81-7</a>	Rocky Mountain	<a href="#">86-46</a>	
Anson	<a href="#">86-28</a>		Howe Brook	<a href="#">86-53</a>	<a href="#">81-7</a>	Round Pond	<a href="#">86-47</a>	
Arnold Pond	<a href="#">75-7</a>		Island Falls	<a href="#">81-38</a>		Sandy Bay	<a href="#">76-8</a>	
Ashland	<a href="#">80-6</a>		Jo-Mary Mountain	<a href="#">86-32</a>	<a href="#">79-17</a>	Saponac	<a href="#">81-26</a>	
Attean	<a href="#">76-4</a>		Katahdin	<a href="#">81-39</a>	<a href="#">80-15</a>	Schoodic	<a href="#">82-6</a>	<a href="#">79-17</a>
Bar Harbor	<a href="#">74-1</a>		Kellyland	<a href="#">86-56</a>		Sebec	<a href="#">80-10</a>	<a href="#">79-17</a>
Bath	<a href="#">77-8</a>		Kennebago Lake	<a href="#">75-10</a>		Sebec Lake	<a href="#">86-37</a>	
Beau Lake	<a href="#">86-42</a>		Kingsbury	<a href="#">86-33</a>		Seboomook Lake	<a href="#">76-16</a>	
Big Lake	<a href="#">86-61</a>		Lead Mountain	<a href="#">86-63</a>		Second Connecticut Lake	<a href="#">75-17</a>	
Bingham	<a href="#">76-25</a>		Lincoln	<a href="#">80-12</a>	<a href="#">79-17</a>	Sherman	<a href="#">80-17</a>	<a href="#">79-21</a>
Blue Hill	<a href="#">77-36</a>		Little Bigelow Mtn	<a href="#">86-20</a>		Shin Pond	<a href="#">81-40</a>	
Boyd Lake	<a href="#">81-5</a>		Little East Lake	<a href="#">86-44</a>		Skinner	<a href="#">76-9</a>	
Brassua Lake	<a href="#">76-5</a>		Long Pond	<a href="#">76-6</a>		Skowhegan	<a href="#">86-38</a>	
Bridgewater	<a href="#">81-8</a>	<a href="#">81-7</a>	Mars Hill	<a href="#">78-5</a>		Small Point	<a href="#">77-17</a>	
Brooks	<a href="#">86-2</a>		Mattawamkeag	<a href="#">81-43</a>	<a href="#">79-21</a>	Smyrna Mills	<a href="#">86-57</a>	<a href="#">81-7</a>
Burnham	<a href="#">86-3</a>		Mattawamkeag Lake	<a href="#">80-16</a>	<a href="#">79-21</a>	Spencer Lake	<a href="#">76-10</a>	
Calais	<a href="#">82-1</a>		Milan	<a href="#">75-11</a>		Springfield	<a href="#">86-23</a>	
Caribou	<a href="#">86-59</a>		Millinocket	<a href="#">86-60</a>	<a href="#">80-15</a>	Square Lake	<a href="#">78-7</a>	
Castine	<a href="#">86-9</a>		Millinocket Lake	<a href="#">82-11</a>		St. Francis	<a href="#">81-15</a>	
Cherryfield	<a href="#">82-2</a>		Moose Bog	<a href="#">75-12</a>		Stacyville	<a href="#">86-49</a>	<a href="#">80-15</a>
Columbia Falls	<a href="#">75-1</a>		Moosehead Lake	<a href="#">86-34</a>		Stetson	<a href="#">86-39</a>	
Cupsuptic	<a href="#">75-8</a>		Mooseleuk Lake	<a href="#">82-9</a>		Stockholm	<a href="#">78-8</a>	
Danforth	<a href="#">80-3</a>		Mount Desert	<a href="#">74-7</a>		Stratton	<a href="#">86-21</a>	
Deer Isle	<a href="#">74-12</a>		Nicatous Lake	<a href="#">86-22</a>		Swans Island	<a href="#">77-37</a>	
Depot Lake	<a href="#">86-43</a>		Norcross	<a href="#">86-50</a>	<a href="#">80-15</a>	The Forks	<a href="#">76-26</a>	
Dover-Foxcroft	<a href="#">81-17</a>		Norridgewock	<a href="#">87-23</a>		Traveler Mountain	<a href="#">81-42</a>	
Eagle Lake	<a href="#">81-12</a>		North East Carry	<a href="#">76-2</a>		Tug Mountain	<a href="#">86-24</a>	
Eastport	<a href="#">75-2</a>		Old Speck Mtn	<a href="#">75-15</a>		Tunk Lake	<a href="#">82-5</a>	
Ellsworth	<a href="#">82-3</a>		Oquossoc	<a href="#">75-16</a>		Van Buren	<a href="#">78-9</a>	
Errol	<a href="#">75-9</a>		Oxbow	<a href="#">82-12</a>		Vanceboro	<a href="#">86-58</a>	
Farmington	<a href="#">86-29</a>		Passadumkeag	<a href="#">81-4</a>		Vinalhaven	<a href="#">86-52</a>	
First Roach Pond	<a href="#">86-30</a>		Penobscot Lake	<a href="#">76-15</a>		Wabassus Lake	<a href="#">86-25</a>	
Fish River Lake	<a href="#">86-48</a>	<a href="#">85-83</a>	Petit Manan	<a href="#">74-8</a>		Waterville	<a href="#">86-51</a>	
Forest	<a href="#">86-55</a>		Phillips	<a href="#">75-13</a>		Wesley	<a href="#">86-26</a>	
Fort Fairfield	<a href="#">86-54</a>		Pierce Pond	<a href="#">76-7</a>		Winn	<a href="#">81-28</a>	
Fort Kent	<a href="#">81-14</a>		Pittsfield	<a href="#">86-35</a>		Winterville	<a href="#">81-16</a>	
Gardner Lake	<a href="#">82-4</a>		Poland	<a href="#">GQ-120</a>		Wytopitlock	<a href="#">86-27</a>	<a href="#">79-21</a>
Grand Lake Seboeis	<a href="#">82-10</a>		Portage	<a href="#">80-8</a>				
Great Pond	<a href="#">86-62</a>		Presque Isle	<a href="#">78-6</a>				
Greenlaw	<a href="#">80-7</a>		Ragged Lake	<a href="#">86-36</a>				

## SURFICIAL GEOLOGY

### Reports

#### Publication No.    Title and Description

- 79-21    **Preliminary report on the surficial geology of the Sherman, Mattawamkeag Lake, and the northern half of the Mattawamkeag and Wytovitlock [15-minute] quadrangles, Maine**, 1979, Newman, William A., 3 p. scale 1:62,500. Brief description of glacial stratigraphy; accompanies Open-File Maps 80-17, 80-16, 81-43 and 86-27. \$0.50 [PDF](#)
- 80-15    **Preliminary report on the surficial geology of the Stacyville [15-minute] quadrangle, northern half of the Millinocket [15-minute] quadrangle, eastern half of the Katahdin [15-minute] quadrangle, and the northeastern quarter of the Norcross [15-minute] quadrangle, Maine**, 1980, Newman, William A., 3 p. scale 1:62,500. Brief description of surficial deposits; accompanies Open-File Maps 86-49, 86-60, 81-39, and 86-50. \$0.50 [PDF](#)
- 81-7    **Reconnaissance surficial geology of the Bridgewater, Houlton, Howe Brook, and Smyrna Mills [15-minute] quadrangles, Maine**, 1981, Brewer, Thomas, 7 p. scale 1:62,500. Brief description of surficial deposits; accompanies Open-File Maps 81-8, 81-9, 86-53, and 86-57. \$1.00 [PDF](#)
- 79-17    **Reconnaissance surficial geology of the Sebec, Schoodic, Lincoln, and the southern portions of the Jo-Mary Mtn., Norcross, and Millinocket [15-minute] quadrangles, Maine**, 1979, Kenoyer, Galen, 6 p. scale 1:62,500. Discusses glacial stratigraphy of the area; accompanies Open-File Maps 80-10, 82-6, 80-12, 86-32, 86-50, 86-60. \$1.00 [PDF](#)
- 85-83    **Surficial geology of the Fish River Lake [15-minute] quadrangle, Maine**, 1985, Halter, Eric F., 6 p. Brief description of surficial deposits; accompanies Open-File Map 86-48. \$1.00 [PDF](#)

### **Surficial Geology Maps (scale 1:100,000)**

These regional maps are compilations of information from detailed 7.5' quadrangle mapping. The surficial geology map portrays generalized geologic units. Glacial ice-flow indicators include striation localities, fluted till surfaces, and glacially streamlined hills. Deglaciation features include end moraines, ice margin positions, meltwater channels, deltas, and dated fossil localities. Refer to Appendix B for map locations

#### Publication No.    Title and Description

- B-43    **A guide to the geology of Baxter State Park and Katahdin**, 2010, Rankin, Douglas W., and Caldwell, Dabney W., 80 p., 2 color maps, scale 1:100,000. Popular guide to the geology of Baxter State Park and Mount Katahdin. Describes the geological processes recorded in bedrock and glacial materials that produced the dramatic landscape of the Park. Includes color surficial geology and bedrock geology maps of Baxter State Park. Five recommended geological hikes help the reader explore and understand the geology of this spectacular area. \$8.00
- 07-54    **Deglaciation features in the Kittery 1:100,000 quadrangle, Maine**, 2007, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 08-50    **Deglaciation features in the Lewiston 1:100,000 quadrangle, Maine**, 2008, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 06-5    **Deglaciation features in the Portland 1:100,000 quadrangle, Maine**, 2006, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 09-41    **Deglaciation features in the western half of the Augusta 1:100,000 quadrangle, Maine**, 2009, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 07-53    **Glacial ice-flow indicators in the Kittery 1:100,000 quadrangle, Maine**, 2007, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 08-51    **Glacial ice-flow indicators in the Lewiston 1:100,000 quadrangle, Maine**, 2008, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 06-4    **Glacial ice-flow indicators in the Portland 1:100,000 quadrangle, Maine**, 2006, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 09-42    **Glacial ice-flow indicators in the western half of the Augusta 1:100,000 quadrangle, Maine**, 2009, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 07-52    **Surficial geology of the Kittery 1:100,000 quadrangle, Maine**, 2007, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 08-49    **Surficial geology of the Lewiston 1:100,000 quadrangle, Maine**, 2008, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 06-1    **Surficial geology of the Portland 1:100,000 quadrangle, Maine**, 2006, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)
- 09-40    **Surficial geology of the western half of the Augusta 1:100,000 quadrangle, Maine**, 2009, Tolman, Susan S. (compiler), map, scale 1:100,000. \$6.00 [PDF](#)

## Surficial Geology Maps (scale 1:250,000)

This series of black-and-white maps contains the information used to compile the 1985 Surficial Geologic Map of Maine. In addition to a description of surficial materials, the maps include the location of deltas, sites of special interest, radiocarbon dated sites, and sources of geologic information. Refer to Appendix C for map locations

<u>Publication No.</u>	<u>Title and Description</u>
87-9	<b>Surficial geology of the Bangor 1 x 2 degree quadrangle, Maine</b> , 1987, Thompson, Woodrow B. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-8	<b>Surficial geology of the Bath 1 x 2 degree quadrangle, Maine</b> , 1987, Thompson, Woodrow B. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-18	<b>Surficial geology of the Campbellton 1 x 2 degree quadrangle, Maine</b> , 1987, Lowell, Thomas V. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-10	<b>Surficial geology of the Eastport 1 x 2 degree quadrangle, Maine</b> , 1987, Thompson, Woodrow B. and Lowell, Thomas V. (compilers), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-17	<b>Surficial geology of the Edmundston 1 x 2 degree quadrangle, Maine</b> , 1987, Lowell, Thomas V. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-13	<b>Surficial geology of the Fredericton 1 x 2 degree quadrangle, Maine</b> , 1987, Lowell, Thomas V. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-7	<b>Surficial geology of the Lewiston 1 x 2 degree quadrangle, Maine</b> , 1987, Thompson, Woodrow B. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-12	<b>Surficial geology of the Millinocket 1 x 2 degree quadrangle, Maine</b> , 1987, Hanson, Lindley S., Caldwell, Dabney W. and Lowell, Thomas V. (compilers), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-6	<b>Surficial geology of the Portland 1 x 2 degree quadrangle, Maine</b> , 1987, Thompson, Woodrow B. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-15	<b>Surficial geology of the Presque Isle 1 x 2 degree quadrangle, Maine</b> , 1987, Lowell, Thomas V. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-14	<b>Surficial geology of the Quebec 1 x 2 degree quadrangle, Maine</b> , 1987, Lowell, Thomas V. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-11	<b>Surficial geology of the Sherbrooke 1 x 2 degree quadrangle, Maine</b> , 1987, Caldwell, Dabney W. and Lowell, Thomas V. (compilers), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>
87-16	<b>Surficial geology of the Woodstock 1 x 2 degree quadrangle, Maine</b> , 1987, Lowell, Thomas V. (compiler), map, scale 1:250,000. \$4.00 <a href="#">PDF</a>

## Surficial Geology Regional Maps

<u>Publication No.</u>	<u>Title and Description</u>
EMGD	<b>End Moraines and Glaciofluvial Deposits, Cumberland and York Counties, Maine</b> , 1980, Smith, Geoffrey W., 30" x 35" map, scale 1:250,000. Black and white wall map showing end moraines, eskers and crevasse fillings, and glaciofluvial deposits. \$2.00 <a href="#">PDF</a>
SSGMM	<b>Simplified surficial geologic map of Maine</b> , 2003, Loiselle, Marc, 11" x 17" color map. scale 1:2,000,000. This map shows the simplified surficial geology of Maine. Inset map shows maximum ice extent. The map also includes a generalized geologic cross section and block diagrams showing glacial recession in southern Maine. \$0.50 <a href="#">PDF</a>
SGMM	<b>Surficial geologic map of Maine</b> , 1985, Thompson, Woodrow B., and Borns, Harold W., Jr. (editors), 42" x 52" color map, scale 1:500,000. Wall map showing the surficial geology of Maine. Includes sites of special interest, radiocarbon-dated sites, reference list, correlation chart, inset map of inferred extent of ice cover during deglaciation. \$4.50 <a href="#">PDF</a>
76-12	<b>Surficial geologic map of Mt. Katahdin</b> , 1976, Davis, P. Thompson, 16" x 32" map, scale 1:12,000. Black and white map showing moraines, talus, avalanche areas, and other surficial features of the area around Mt. Katahdin. \$4.00 <a href="#">PDF</a>
16-1	<b>Surficial geology of Mount Desert Island</b> , 2016, Braun, Duane D., Lowell, Thomas V. and Weddle, Thomas K., map, scale 1:30,000. \$8.00 <a href="#">PDF</a>

SURFICIAL GEOLOGY

### Surficial Materials Maps (scale 1:24,000)

These maps show the textures of surficial sediments in each quadrangle, independent of interpretations regarding their origin. Thicknesses of gravel, sand, silt, clay, and diamicton are shown. Data comes from auger holes, test pits, well logs, test borings, and gravel pits. Materials maps should be used in conjunction with surficial geology maps and significant aquifer maps. Refer to Appendix H for map locations. Price per map (color): \$5.00. Surficial materials maps are also available online as PDF files.

Quadrangle	Pub. Number	Quadrangle	Pub. Number	Quadrangle	Pub. Number
Addison .....	<a href="#">00-171</a>	Brandy Pond .....	<a href="#">98-78</a>	Danforth .....	<a href="#">01-44</a>
Albion .....	<a href="#">15-13</a>	Brassua Lake East .....	<a href="#">98-35</a>	Dark Cove Mountain .....	<a href="#">01-281</a>
Alder Brook .....	<a href="#">01-2</a>	Brassua Lake West .....	<a href="#">98-36</a>	Deasey Mountain .....	<a href="#">01-46</a>
Alfred .....	<a href="#">98-181</a>	Brewer Lake .....	<a href="#">11-17</a>	Depot Lake .....	<a href="#">06-39</a>
Allagash .....	<a href="#">04-62</a>	Bridgewater .....	<a href="#">02-70</a>	Devils Head .....	<a href="#">00-106</a>
Allagash Falls .....	<a href="#">06-26</a>	Bridgton .....	<a href="#">00-140</a>	Dill Hill .....	<a href="#">01-312</a>
Alligator Lake .....	<a href="#">98-76</a>	Bristol .....	<a href="#">99-47</a>	Dimmick Mountain .....	<a href="#">01-48</a>
Amherst .....	<a href="#">00-150</a>	Brooks East .....	<a href="#">14-11</a>	Dixfield .....	<a href="#">18-3</a>
Andover .....	<a href="#">01-4</a>	Brooks West .....	<a href="#">14-9</a>	Dixmont .....	<a href="#">01-52</a>
Ashland .....	<a href="#">02-53</a>	Brookton .....	<a href="#">01-310</a>	Dover East .....	<a href="#">98-161</a>
Athens .....	<a href="#">01-6</a>	Brownfield .....	<a href="#">98-228</a>	Dover-Foxcroft .....	<a href="#">01-54</a>
Attean Pond .....	<a href="#">03-80</a>	Brownville Junction .....	<a href="#">98-80</a>	Doyle Ridge .....	<a href="#">02-72</a>
Augusta .....	<a href="#">04-30</a>	Brunswick .....	<a href="#">01-485</a>	Duck Lake .....	<a href="#">01-280</a>
B Pond .....	<a href="#">01-8</a>	Bryant Pond .....	<a href="#">07-66</a>	Eagle Lake .....	<a href="#">04-14</a>
Baker Island .....	<a href="#">15-22</a>	Buckfield .....	<a href="#">06-16</a>	East Andover .....	<a href="#">17-5</a>
Bald Mtn. Pond .....	<a href="#">98-30</a>	Bucksport .....	<a href="#">11-10</a>	East Dixfield .....	<a href="#">18-17</a>
Bangor .....	<a href="#">08-33</a>	Bull Brook .....	<a href="#">02-87</a>	East Dixmont .....	<a href="#">01-59</a>
Bar Harbor .....	<a href="#">15-16</a>	Burlington .....	<a href="#">98-79</a>	East Lake SE .....	<a href="#">07-64</a>
Bar Mills .....	<a href="#">98-179</a>	Burnham .....	<a href="#">00-56</a>	East Millinocket .....	<a href="#">01-61</a>
Barren Mountain East .....	<a href="#">98-31</a>	Calais .....	<a href="#">00-105</a>	East Pittston .....	<a href="#">09-10</a>
Barren Mountain West .....	<a href="#">98-32</a>	Camden .....	<a href="#">10-5</a>	East Stoneham .....	<a href="#">03-1</a>
Bartlett Island .....	<a href="#">15-19</a>	Campbell Brook .....	<a href="#">03-31</a>	East Winn .....	<a href="#">01-63</a>
Basin Mountain .....	<a href="#">08-1</a>	Canaan .....	<a href="#">00-52</a>	Eastbrook .....	<a href="#">00-153</a>
Bass Harbor .....	<a href="#">15-21</a>	Canton .....	<a href="#">06-18</a>	Easton .....	<a href="#">02-63</a>
Bath .....	<a href="#">02-102</a>	Cape Elizabeth .....	<a href="#">99-42</a>	Easton Center .....	<a href="#">02-64</a>
Beau Lake .....	<a href="#">07-42</a>	Caratunk .....	<a href="#">01-33</a>	Eastport .....	<a href="#">00-112</a>
Beech Hill Pond .....	<a href="#">00-152</a>	Caribou .....	<a href="#">02-77</a>	Ebeemee Mountain .....	<a href="#">98-81</a>
Belfast .....	<a href="#">14-12</a>	Caribou Lake North .....	<a href="#">08-18</a>	Echo Lake .....	<a href="#">02-65</a>
Belgrade .....	<a href="#">04-36</a>	Caribou Lake South .....	<a href="#">08-20</a>	Ellsworth .....	<a href="#">10-13</a>
Belgrade Lakes .....	<a href="#">00-67</a>	Carmel .....	<a href="#">01-35</a>	Embden Pond .....	<a href="#">01-66</a>
Benedicta .....	<a href="#">01-12</a>	Carr Pond .....	<a href="#">04-8</a>	Enchanted Pond .....	<a href="#">08-5</a>
Bethel .....	<a href="#">03-43</a>	Casco .....	<a href="#">00-143</a>	Endless Lake .....	<a href="#">01-68</a>
Biddeford .....	<a href="#">98-183</a>	Castine .....	<a href="#">13-9</a>	Epping .....	<a href="#">00-161</a>
Biddeford Pool .....	<a href="#">99-43</a>	Catheart Mountain .....	<a href="#">03-82</a>	Estcourt .....	<a href="#">07-46</a>
Big Black Rapids .....	<a href="#">06-47</a>	Center Lovell .....	<a href="#">98-239</a>	Fairfield .....	<a href="#">15-11</a>
Big Brook Lake .....	<a href="#">06-30</a>	Chain of Ponds .....	<a href="#">03-75</a>	Falls Brook Lake .....	<a href="#">04-68</a>
Big Lake .....	<a href="#">01-289</a>	Chandler Mtn .....	<a href="#">04-58</a>	Farmington .....	<a href="#">03-50</a>
Big Moose Pond .....	<a href="#">02-226</a>	Charles Pond .....	<a href="#">06-51</a>	Farmington Falls .....	<a href="#">00-78</a>
Big Rapids .....	<a href="#">07-62</a>	Charleston .....	<a href="#">01-38</a>	Farrar Mountain .....	<a href="#">08-22</a>
Big Shanty Mountain .....	<a href="#">98-77</a>	Chemo Pond .....	<a href="#">09-15</a>	Farrow Mountain .....	<a href="#">01-313</a>
Big Spencer Mtn .....	<a href="#">08-8</a>	Cherryfield .....	<a href="#">00-163</a>	Fayette .....	<a href="#">08-65</a>
Bingham .....	<a href="#">01-14</a>	China Lake .....	<a href="#">05-7</a>	Fish River Lake .....	<a href="#">04-10</a>
Black Brook Pond .....	<a href="#">98-33</a>	Churchill Stream .....	<a href="#">03-34</a>	Fish River Lake SW .....	<a href="#">06-28</a>
Black Nubble .....	<a href="#">01-17</a>	Clifford Lake .....	<a href="#">01-292</a>	Five Finger Brook .....	<a href="#">06-32</a>
Blue Brook .....	<a href="#">06-45</a>	Clinton .....	<a href="#">00-55</a>	Fletcher Peak .....	<a href="#">01-284</a>
Blue Hill .....	<a href="#">07-1</a>	Columbia Falls .....	<a href="#">00-168</a>	Forest .....	<a href="#">01-298</a>
Bog Lake .....	<a href="#">00-166</a>	Cornish .....	<a href="#">98-231</a>	Forest City .....	<a href="#">01-351</a>
Bottle Lake .....	<a href="#">01-314</a>	Crawford Lake .....	<a href="#">01-293</a>	Forks of Machias .....	<a href="#">04-52</a>
Boundary Pond .....	<a href="#">07-7</a>	Cross Island .....	<a href="#">00-126</a>	Fort Fairfield .....	<a href="#">02-79</a>
Bowdoinham .....	<a href="#">04-44</a>	Crystal .....	<a href="#">01-42</a>	Fort Fairfield NW .....	<a href="#">02-75</a>
Bowers Mountain .....	<a href="#">01-311</a>	Cumberland Center .....	<a href="#">99-64</a>	Fort Kent North .....	<a href="#">02-92</a>
Bowlin Brook .....	<a href="#">04-76</a>	Cutler .....	<a href="#">00-124</a>	Fort Kent South .....	<a href="#">02-95</a>
Bradford .....	<a href="#">01-20</a>	Daigle .....	<a href="#">02-99</a>	Foster Ridge .....	<a href="#">01-70</a>
Branch Lake .....	<a href="#">11-15</a>	Damariscotta .....	<a href="#">09-5</a>	Freeport .....	<a href="#">02-156</a>

## SURFICIAL GEOLOGY

Quadrangle	Pub. Number	Quadrangle	Pub. Number	Quadrangle	Pub. Number
Frenchville.....	<a href="#">02-96</a>	Kelleyland.....	<a href="#">01-307</a>	Mattawamkeag Lake.....	<a href="#">01-150</a>
Friendship.....	<a href="#">99-49</a>	Kenduskeag.....	<a href="#">09-17</a>	McClusky Lake.....	<a href="#">02-83</a>
Fryeburg.....	<a href="#">98-226</a>	Kennebago.....	<a href="#">01-110</a>	McKeen Lake.....	<a href="#">06-34</a>
Gardiner.....	<a href="#">05-2</a>	Kennebunk.....	<a href="#">98-182</a>	McKinnon Brook.....	<a href="#">06-15</a>
Gardner Pond.....	<a href="#">06-36</a>	Kennebunkport.....	<a href="#">98-165</a>	McNally Ridge.....	<a href="#">01-152</a>
Garland.....	<a href="#">01-72</a>	Kezar Falls.....	<a href="#">98-230</a>	Mechanic Falls.....	<a href="#">01-482</a>
Gassabias Lake.....	<a href="#">01-283</a>	Kibby Mountain.....	<a href="#">07-147</a>	Meddybemps Lake East.....	<a href="#">00-107</a>
Gilead.....	<a href="#">03-56</a>	King and Bartlett Lake.....	<a href="#">08-32</a>	Meddybemps Lake West.....	<a href="#">01-294</a>
Goodwin.....	<a href="#">02-78</a>	King and Bartlett Mtn.....	<a href="#">08-10</a>	Medunkeunk Lake.....	<a href="#">01-154</a>
Gorham.....	<a href="#">98-177</a>	Kingfield.....	<a href="#">07-70</a>	Mercer.....	<a href="#">00-64</a>
Grand Isle.....	<a href="#">02-98</a>	Kingman.....	<a href="#">01-115</a>	Merrill Mountain.....	<a href="#">03-30</a>
Grand Lake Sebouis.....	<a href="#">04-60</a>	Kingsbury.....	<a href="#">01-117</a>	Millinocket.....	<a href="#">01-158</a>
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## Surficial Geology Reports

### Publication No. Title and Description

- B-43 **A guide to the geology of Baxter State Park and Katahdin**, 2010, Rankin, Douglas W., and Caldwell, Dabney W., 80 p., 2 color maps, scale 1:100,000. Popular guide to the geology of Baxter State Park and Mount Katahdin. Describes the geological processes recorded in bedrock and glacial materials that produced the dramatic landscape of the Park. Includes color surficial geology and bedrock geology maps of Baxter State Park. Five recommended geological hikes help the reader explore and understand the geology of this spectacular area. \$8.00
- MENAT **A Maine geological sketchbook**, 1995, Hughes, Laurie L., Neuman, Robert B., Borns, Harold W., Jr., and Kelley, Joseph T., *Maine Naturalist*, v. 3, no. 2, p. 61-80, 20 p., 9 figs. Article includes sketches and descriptions of glacial features at Mt. Katahdin and Pineo Ridge, Miles Beach at Reid State Park, and bedrock features at Marginal Way, Ogunquit; The Ledges, Baxter State Park; Schoodic Point, Acadia National Park; Mount Blue State Park; Kenduskeag Stream, Bangor; and central Aroostook County. \$1.00
- B-18 **Contributions to the geology of Maine**, 1966, Hall, Bradford A., Beck, Frederick M., Doyle, Robert G., Boucot, A. J., Harper, Charles, Rhea, Keith, and Gilman, Richard A., 77 p., 5 papers, Includes papers on mineralization of the south end of the Munsungun anticlinorium, Maine diatomite occurrences, the Owen Brook limestone prospect in Penobscot County, New Scotland depositional history of Beck Pond region, Silurian slide conglomerate in Addison. Printed copy unavailable [PDF](#)
- B-37 **Contributions to the Quaternary geology of northern Maine and adjacent Canada**, 1988, Kite, J. Steven, Lowell, Thomas V., and Thompson, Woodrow B. (editors), 145 p., 34 figs., 2 tables, Bulletin to accompany the 49th annual meeting of the Friends of the Pleistocene, May 1986. Papers on reconstructing paleo ice sheets, till stratigraphy, glacial dispersal, glaciation and deglaciation of northwestern Maine, deglaciation in southeastern Quebec, ice movements in northwestern New Brunswick, and the archaeology of the Upper St. John River. \$6.00 [PDF](#)
- EMGD **End Moraines and Glaciofluvial Deposits, Cumberland and York Counties, Maine**, 1980, Smith, Geoffrey W., 30" x 35" map, scale 1:250,000. Black and white wall map showing end moraines, eskers and crevasse fillings, and glaciofluvial deposits. \$2.00 [PDF](#)
- B-10 **Glacial lake and glacial marine clays of the Farmington area, Maine - Origin and possible use as lightweight aggregate**, 1959, Caldwell, Dabney W., 48 p., 12 figs., 5 tables, 3 app., 3 plates, Describes stratigraphy and origin of clay deposits and discusses physical, chemical, and thermal expansion properties of clay. Plates include clay distribution map of Sandy River area. \$0.95 [PDF](#)
- NEIGC16C **Guidebook for field trips along the Maine coast from Maquoit Bay to Muscongus Bay**, 2016, Berry, Henry N., IV, and West, David P., Jr. (editors), New England Intercollegiate Geological Conference, 108th Annual Meeting, October 14-16, 2016, Bath, Maine, 326 p, color, Printed copy unavailable [PDF](#)
- 86-18 **Ice flow and deglaciation: Northwestern Maine**, 1986, Lowell, Thomas V., and Kite, J. Steven, 36 p., 16 figs. Guidebook for 49th Annual Friends of the Pleistocene field trip. \$2.00 [PDF](#)
- 95-74 **Late Wisconsinan glacial deposits in the Portland - Sebago Lake - Ossipee Valley region, southwestern Maine**, 1995, Thompson, Woodrow B., Davis, P. Thompson, Gosse, John C., Johnston, Robert A., Newton, Robert, 71 p., 33 figs. Guidebook for the 58th Field Conference of the Northeastern Friends of the Pleistocene. \$3.50 [PDF](#)
- PR-1 **Physical resources of Knox County, Maine**, 1974, Caswell, W. Bradford, Jr. (compiler), 63 p. report, 10 figs., 7 color plates, scale 1:125,000. Includes descriptive text and map showing bedrock geology, description of ground water geology and maps of well yield, well depth, bedrock surface topography, thickness of overburden, and piezometric surface. \$6.00 [PDF](#)
- 79-21 **Preliminary report on the surficial geology of the Sherman, Mattawamkeag Lake, and the northern half of the Mattawamkeag and Wypitlock [15-minute] quadrangles, Maine**, 1979, Newman, William A., 3 p. scale 1:62,500. Brief description of glacial stratigraphy; accompanies Open-File Maps 80-17, 80-16, 81-43 and 86-27. \$0.50 [PDF](#)
- 80-15 **Preliminary report on the surficial geology of the Stacyville [15-minute] quadrangle, northern half of the Millinocket [15-minute] quadrangle, eastern half of the Katahdin [15-minute] quadrangle, and the northeastern quarter of the Norcross [15-minute] quadrangle, Maine**, 1980, Newman, William A., 3 p. scale 1:62,500. Brief description of surficial deposits; accompanies Open-File Maps 86-49, 86-60, 81-39, and 86-50. \$0.50 [PDF](#)
- 81-7 **Reconnaissance surficial geology of the Bridgewater, Houlton, Howe Brook, and Smyrna Mills [15-minute] quadrangles, Maine**, 1981, Brewer, Thomas, 7 p. scale 1:62,500. Brief description of surficial deposits; accompanies Open-File Maps 81-8, 81-9, 86-53, and 86-57. \$1.00 [PDF](#)
- 79-17 **Reconnaissance surficial geology of the Sebec, Schoodic, Lincoln, and the southern portions of the Jo-Mary Mtn., Norcross, and Millinocket [15-minute] quadrangles, Maine**, 1979, Kenoyer, Galen, 6 p. scale 1:62,500. Discusses glacial stratigraphy of the area; accompanies Open-File Maps 80-10, 82-6, 80-12, 86-32, 86-50, 86-60. \$1.00 [PDF](#)

## SURFICIAL GEOLOGY

- STUD5 **Studies in Maine geology: Volume 5 - Quaternary geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 176 p., 130 figs, 10 papers with abstracts and references, Includes technical papers on the timing and mechanisms for deposition of the glaciomarine mud in the Gulf of Maine, a submerged shoreline on the inner continental shelf of the western Gulf of Maine, depositional sequence modeling of Late Quaternary evolution for the west-central Maine coast, geomorphology and Late Quaternary evolution of the Saco Bay region, morphodynamics of tidal inlet systems in Maine, origin and sedimentation of Maine lakes emphasizing lake-outlet deltas, major influences on lake water chemistry, peat resources in Maine, lithologic and structural control on the geomorphology of mountainous areas in north-central Maine, and radon in Maine. \$2.50 [PDF](#)
- STUD6 **Studies in Maine geology: Volume 6 - Quaternary geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 142 p., 98 figs., 9 papers with abstracts and references, Includes technical papers on the history of Quaternary surficial geologic studies in Maine, Late Wisconsinan deglaciation of coastal Maine, Late Wisconsinan glacial and glaciomarine sedimentary facies in the lower Androscoggin Valley, stratified, waterlain glacial sediments and the "New Sharon Soil" deglaciation of the upper Androscoggin River valley and northeastern White Mtns., late-glacial dunes, ventifacts, and wind direction in west-central Maine, Late Wisconsin glacial geology of eastern Mount Desert Island, Late Quaternary glacial history of Mt. Katahdin, postglacial drainage evolution of the St. John River basin. \$2.50 [PDF](#)
- 76-12 **Surficial geologic map of Mt. Katahdin**, 1976, Davis, P. Thompson, 16" x 32" map, scale 1:12,000. Black and white map showing moraines, talus, avalanche areas, and other surficial features of the area around Mt. Katahdin. \$4.00 [PDF](#)
- B-44 **Surficial geology handbook for southern Maine**, 2015, Thompson, Woodrow B., 97 p, \$8.00 [PDF](#)
- 84-9 **Surficial geology of portions of the Grand Falls Lake area: An investigation of evidence for Holocene faulting**, 1984, Smith, Geoffrey W., 3 p., map, scale 1:62,500. Map shows surficial geology of area bordering inferred bedrock faults. \$4.50 [PDF](#)
- 85-83 **Surficial geology of the Fish River Lake [15-minute] quadrangle, Maine**, 1985, Halter, Eric F., 6 p. Brief description of surficial deposits; accompanies Open-File Map 86-48. \$1.00 [PDF](#)
- GQ-120 **Surficial geology of the Poland [15-minute] quadrangle, Maine**, 1959, Hanley, John Bernard, U. S. Geological Survey, Geologic Quadrangle Map GQ-120, map, descriptive text, scale 1:62,500. Includes a detailed description of geologic units and geologic history. \$4.00 [PDF](#)
- 75-6 **Surficial geology of the wildlands of the Greenville-Jackman areas, Maine**, 1975, Caldwell, Dabney W., 54 p. report, 2 figs., 1 table, Includes description of geology and unusual features in sixteen 15-minute quadrangles in the Greenville-Jackman area. \$2.90 [PDF](#)
- 74-13 **Surficial materials of the wildlands of northwestern Maine**, 1974, Caldwell, Dabney W., 32 p. Includes description of geology and unique or critical features in eleven 15-minute quadrangles in northwestern Maine. \$2.00 [PDF](#)
- B-17 **The geology of Mount Blue State Park**, 1965, Pankiwskyj, Kost A., 22 p., 12 figs., 1 plate, Popular guide to park geology, geologic history, objects of geologic interest. \$0.50 [PDF](#)
- B-38 **The geology of Mount Desert Island; a visitor's guide to the geology of Acadia National Park**, 1988, Gilman, Richard A., Chapman, Carleton A., Lowell, Thomas V., and Borns, Harold W., Jr., 50 p., 28 figs., 2 color maps, scale 1:50,000. Popular guide to park geology. Includes color surficial and bedrock geology maps of Mount Desert Island and black-and-white maps of Isle au Haut and Schoodic Point. Printed copy unavailable [PDF](#)
- B-11 **The geology of Sebago Lake State Park**, 1959, Bloom, Arthur Leroy, 24 p., 11 figs., 3 plates, Popular guide to park geology, geologic history, features of geologic interest. \$0.75 [PDF](#)
- B-26 **The geology of the Two Lights and Crescent Beach State Parks area, Cape Elizabeth, Maine**, 1982, Hussey, Arthur M., II, 34 p. Popular guide to park geology, geologic history, features of geologic interest. Printed copy unavailable [PDF](#)
- 17-3 **The influence of the Presumpscot Formation on seismic hazard in southern coastal Maine**, 2017, Marvinney, Robert G. and Glover, Hannah, 11 p, Printed copy unavailable [PDF](#)

### Field Trips

<u>Publication No.</u>	<u>Title and Description</u>
NEIGC16C	<b>Guidebook for field trips along the Maine coast from Maquoit Bay to Muscongus Bay</b> , 2016, Berry, Henry N., IV, and West, David P., Jr. (editors), New England Intercollegiate Geological Conference, 108th Annual Meeting, October 14-16, 2016, Bath, Maine, 326 p, color, Printed copy unavailable <a href="#">PDF</a>

## SURFICIAL GEOLOGY

- NEIGC94 **Guidebook to field trips in north-central Maine: New England Intercollegiate Geological Conference 85th Annual Meeting, 1994**, 1994, Hanson, Lindley S. (editor), Caldwell, Dabney W. (co-organizer), New England Intercollegiate Geological Conference 85th Annual Meeting: Guidebook to Field Trips in North-Central Maine, September 23-25, 1994, Millinocket, Maine, 268 p., 82 figs., 11 tables, Includes papers on glacial geology and geomorphology of Penobscot River valley, glaciation of Mount Katahdin, Carrabassett formation, Miramichi anticlinorium, formations near Seboomook Lake, Piscataquis volcanic belt, Shin Pond-Traveler Mountain region, Weeksboro-Lunksoos Lake anticline, chert in Munsungan Lake Formation, Ripogenus Gorge, Matagamon Sandstone, Borestone Mountain, Monson-Greenville area, and Abbot Breccia. \$5.00
- NEIGC95 **Guidebook to field trips in southern Maine and adjacent New Hampshire**, 1995, Hussey, Arthur M., II, and Johnston, Robert A. (editors), New England Intercollegiate Geological Conference, 87th annual meeting, October 6-8, 1995, Brunswick, Maine, 314 p., 105 figs, Includes papers on hydrogeology of Belgrade Lakes region, arsenic in ground water, hydrogeology and environmental geology of Gray delta, glaciomarine deposits of Casco Bay sublobe, barriers and inlets of Southern Maine, shear strain in Casco Bay area, terrane in Northern Penobscot Bay, Norumbega fault zone, Acadian suture, metapelite rocks in Casco Bay, coastal lithotectonic belt, Sebago batholith, granite in Topsham-Brunswick area, brittle strike-slip faults, impact of sea level rise on prehistoric human occupation of central Maine coast. \$18.00
- 86-18 **Ice flow and deglaciation: Northwestern Maine**, 1986, Lowell, Thomas V., and Kite, J. Steven, 36 p., 16 figs. Guidebook for 49th Annual Friends of the Pleistocene field trip. \$2.00 [PDF](#)
- 95-74 **Late Wisconsinan glacial deposits in the Portland - Sebago Lake - Ossipee Valley region, southwestern Maine**, 1995, Thompson, Woodrow B., Davis, P. Thompson, Gosse, John C., Johnston, Robert A., Newton, Robert, 71 p., 33 figs. Guidebook for the 58th Field Conference of the Northeastern Friends of the Pleistocene. \$3.50 [PDF](#)
- B-27 **Pleistocene stratigraphy of the Augusta and Waldoboro areas, Maine**, 1988, Thompson, Woodrow B., and Smith, Geoffrey W., 36 p., 12 figs, Guidebook for the 46th Annual Meeting of the Friends of the Pleistocene, May 1983. Field trip guide to glacial and glaciomarine deposits. \$2.50 [PDF](#)

### State and National Park Publications

Publication No.    Title and Description

- B-43 **A guide to the geology of Baxter State Park and Katahdin**, 2010, Rankin, Douglas W., and Caldwell, Dabney W., 80 p., 2 color maps, scale 1:100,000. Popular guide to the geology of Baxter State Park and Mount Katahdin. Describes the geological processes recorded in bedrock and glacial materials that produced the dramatic landscape of the Park. Includes color surficial geology and bedrock geology maps of Baxter State Park. Five recommended geological hikes help the reader explore and understand the geology of this spectacular area. \$8.00
- B-17 **The geology of Mount Blue State Park**, 1965, Pankiwskyj, Kost A., 22 p., 12 figs., 1 plate, Popular guide to park geology, geologic history, objects of geologic interest. \$0.50 [PDF](#)
- B-38 **The geology of Mount Desert Island; a visitor's guide to the geology of Acadia National Park**, 1988, Gilman, Richard A., Chapman, Carleton A., Lowell, Thomas V., and Borns, Harold W., Jr., 50 p., 28 figs., 2 color maps, scale 1:50,000. Popular guide to park geology. Includes color surficial and bedrock geology maps of Mount Desert Island and black-and-white maps of Isle au Haut and Schoodic Point. Printed copy unavailable [PDF](#)
- B-11 **The geology of Sebago Lake State Park**, 1959, Bloom, Arthur Leroy, 24 p., 11 figs., 3 plates, Popular guide to park geology, geologic history, features of geologic interest. \$0.75 [PDF](#)
- B-26 **The geology of the Two Lights and Crescent Beach State Parks area, Cape Elizabeth, Maine**, 1982, Hussey, Arthur M., II, 34 p. Popular guide to park geology, geologic history, features of geologic interest. Printed copy unavailable [PDF](#)

## **COASTAL MARINE GEOLOGY**

### **Surficial Geology of the Maine Inner Continental Shelf**

This map series shows the surficial geology of the Maine inner continental shelf. Color map units showing seafloor type were determined using side-scan sonar surveys, seismic reflection profiles, grab samples, cores, and video images. Bathymetry is shown with 10 meter (33ft) contours from National Ocean Service provisional Bathymetric and Fishing maps. Latitude and longitude coordinate grids are plotted in 10 minute increments, and the territorial sea boundary is also shown. Geographic names on the map include some coastal towns and cities, prominent islands, bays, harbors, and peninsulas. Major roads and inland lakes and streams are provided for reference. An explanatory text describes the regional geologic setting, scientific methods used, description of seafloor types, geologic history, summary of seafloor types, and sources of additional information. Maps are 4 feet wide and 3 feet high. The area covered by each map is one degree of longitude by half a degree of latitude. The scale of the maps is 1:100,000 or one inch equals approximately 1.6 statute miles or 2.5 kilometers. Use Appendix I to find the general location of these maps of the inner continental shelf. Price per map: \$6.00. Surficial Geology of the Maine Inner Continental Shelf maps are also available online as PDF files.

#### Publication No. Title and Description

96-10	<b>Surficial geology of the Maine inner continental shelf; Boothbay Harbor to North Haven, Maine</b> , 1996, Barnhardt, Walter A., Belknap, Daniel F., Kelley, Alice R., Kelley, Joseph T., and Dickson, Stephen M., map, scale 1:100,000. \$6.00 <a href="#">PDF</a>
96-9	<b>Surficial geology of the Maine inner continental shelf; Cape Elizabeth to Pemaquid Point, Maine</b> , 1996, Barnhardt, Walter A., Belknap, Daniel F., Kelley, Alice R., Kelley, Joseph T., and Dickson, Stephen M., map, scale 1:100,000. \$6.00 <a href="#">PDF</a>
96-12	<b>Surficial geology of the Maine inner continental shelf; Mt. Desert Island to Jonesport, Maine</b> , 1996, Barnhardt, Walter A., Belknap, Daniel F., Kelley, Alice R., Kelley, Joseph T., and Dickson, Stephen M., map, scale 1:100,000. \$6.00 <a href="#">PDF</a>
96-8	<b>Surficial geology of the Maine inner continental shelf; Ogunquit to the Kennebec River, Maine</b> , 1996, Barnhardt, Walter A., Belknap, Daniel F., Kelley, Alice R., Kelley, Joseph T., and Dickson, Stephen M., map, scale 1:100,000. \$6.00 <a href="#">PDF</a>
96-13	<b>Surficial geology of the Maine inner continental shelf; Petit Manan Point to West Quoddy Head, Maine</b> , 1996, Barnhardt, Walter A., Belknap, Daniel F., Kelley, Alice R., Kelley, Joseph T., and Dickson, Stephen M., map, scale 1:100,000. \$6.00 <a href="#">PDF</a>
96-7	<b>Surficial geology of the Maine inner continental shelf; Piscataqua River to Biddeford Pool, Maine</b> , 1996, Barnhardt, Walter A., Belknap, Daniel F., Kelley, Alice R., Kelley, Joseph T., and Dickson, Stephen M., map, scale 1:100,000. \$6.00 <a href="#">PDF</a>
96-11	<b>Surficial geology of the Maine inner continental shelf; Rockland to Bar Harbor, Maine</b> , 1996, Barnhardt, Walter A., Belknap, Daniel F., Kelley, Alice R., Kelley, Joseph T., and Dickson, Stephen M., map, scale 1:100,000. \$6.00 <a href="#">PDF</a>

COASTAL MARINE GEOLOGY

**Coastal Sand Dune Geology Maps (scale 1:4,800)**

These color maps provide detailed information about Maine's largest beaches and dune systems. The maps show frontal dunes and back dunes, conforming to the Department of Environmental Protection's Coastal Sand Dune Rules. Refer to Appendix J for map locations. Price per map: \$1.00. Coastal sand dune geology maps are also available online as PDF files.

<u>Publication No.</u>	<u>Town</u>	<u>Beach Name</u>
<a href="#">11-99</a>	Biddeford	Curtis Cove, New Barn Cove
<a href="#">11-101</a>	Biddeford	Fortunes Rocks Beach, Fortunes Rocks
<a href="#">11-102</a>	Biddeford	Fortunes Rocks Beach, The Pool
<a href="#">11-106</a>	Biddeford	Hills Beach
<a href="#">11-105</a>	Biddeford	Hills Beach, Fort Hill
<a href="#">11-107</a>	Biddeford	Hills Beach, Saco River
<a href="#">11-100</a>	Biddeford	Horseshoe Cove
<a href="#">11-104</a>	Biddeford	Mile Stretch Beach, South Point
<a href="#">11-103</a>	Biddeford	Mile Stretch Beach, The Pool
<a href="#">11-146</a>	Bristol	Pemaquid Beach, Fish Point
<a href="#">11-129</a>	Cape Elizabeth	Crescent Beach and Jordan Point Beach
<a href="#">11-130</a>	Cape Elizabeth	Crescent Beach State Park
<a href="#">11-127</a>	Cape Elizabeth	Main Beach, Ram Island
<a href="#">11-128</a>	Cape Elizabeth	Strawberry Hill Beach
<a href="#">11-144</a>	Georgetown	Half Mile Beach, Reid State Park
<a href="#">11-145</a>	Georgetown	Mile Beach, Reid State Park
<a href="#">11-88</a>	Kennebunk	Crescent Surf Beach
<a href="#">11-93</a>	Kennebunk	Goochs Beach, Middle Beach
<a href="#">11-91</a>	Kennebunk	Lords Point, Libbys Point
<a href="#">11-92</a>	Kennebunk	Middle Beach, Mothers Beach
<a href="#">11-89</a>	Kennebunk	Parsons Beach
<a href="#">11-90</a>	Kennebunk	Parsons Beach, Great Hill
<a href="#">11-94</a>	Kennebunk and Kennebunkport	Goochs Beach and Colony Beach
<a href="#">11-97</a>	Kennebunkport	Goose Rocks Beach
<a href="#">11-95</a>	Kennebunkport	Goose Rocks Beach, Batson River
<a href="#">11-98</a>	Kennebunkport	Goose Rocks Beach, Little River
<a href="#">11-96</a>	Kennebunkport	Goose Rocks Beach, Smith Brook
<a href="#">11-65</a>	Kittery	Brave Boat Harbor
<a href="#">11-63</a>	Kittery	Crescent Beach, Seapoint
<a href="#">11-60</a>	Kittery	Fort Foster, Gerrish Island
<a href="#">11-64</a>	Kittery	Seapoint Beach, Cutts Island
<a href="#">11-61</a>	Kittery	Sewards Cove, Gerrish Island
<a href="#">11-62</a>	Kittery	Sisters Point, Gerrish Island
<a href="#">11-77</a>	Ogunquit	Ogunquit Beach, Central
<a href="#">11-78</a>	Ogunquit	Ogunquit Beach, North
<a href="#">11-76</a>	Ogunquit	Ogunquit Beach, South
<a href="#">11-115</a>	Old Orchard Beach	Old Orchard Beach, East Grand Avenue
<a href="#">11-113</a>	Old Orchard Beach	Old Orchard Beach, West Grand Avenue
<a href="#">11-116</a>	Old Orchard Beach	Surfside Beach
<a href="#">11-114</a>	Old Orchard Beach	The Pier
<a href="#">11-134</a>	Phippsburg	Bald Head and Head Coves, Small Point
<a href="#">11-133</a>	Phippsburg	Bald Head and Seal Coves, Small Point
<a href="#">11-135</a>	Phippsburg	Head Beach and Hermit Island
<a href="#">11-141</a>	Phippsburg	Hunnell Beach
<a href="#">11-142</a>	Phippsburg	Hunnell Beach, River Beach
<a href="#">11-140</a>	Phippsburg	Popham Beach
<a href="#">11-139</a>	Phippsburg	Popham Beach, Morse River
<a href="#">11-143</a>	Phippsburg	River Beach, Fort Popham
<a href="#">11-137</a>	Phippsburg	Seawall Beach
<a href="#">11-138</a>	Phippsburg	Seawall Beach, Morse River
<a href="#">11-136</a>	Phippsburg	Seawall Beach, Sprague River
<a href="#">11-132</a>	Portland	Lamson Cove, Great Diamond Island
<a href="#">11-108</a>	Saco	Camp Ellis, Ferry Beach
<a href="#">11-109</a>	Saco	Ferry Beach State Park, Ferry Beach
<a href="#">11-110</a>	Saco	Ferry Beach, Bay View
<a href="#">11-111</a>	Saco	Kinney Shores, Bay View

COASTAL MARINE GEOLOGY

<u>Publication No.</u>	<u>Town</u>	<u>Beach Name</u>
<a href="#">11-112</a>	Saco and Old Orchard Beach	Kinney Shores and Ocean Park
<a href="#">11-120</a>	Scarborough	Ferry Beach, Black Rock
<a href="#">11-118</a>	Scarborough	Pine Point Beach
<a href="#">11-119</a>	Scarborough	Pine Point Beach River
<a href="#">11-125</a>	Scarborough	Scarborough Beach
<a href="#">11-124</a>	Scarborough	Scarborough Beach State Park
<a href="#">11-123</a>	Scarborough	Scarborough Beach, Prouts Neck
<a href="#">11-121</a>	Scarborough	Western and Ferry Beaches
<a href="#">11-122</a>	Scarborough	Western Beach, Prouts Neck
<a href="#">11-126</a>	Scarborough and Cape Elizabeth	Higgins Beach and Spurwink River
<a href="#">11-117</a>	Scarborough and Old Orchard Beach	Grand Beach, Surfside Beach
<a href="#">11-131</a>	South Portland	Willard Beach
<a href="#">11-87</a>	Wells	Drakes Island and Laudholm Beaches
<a href="#">11-86</a>	Wells	Drakes Island Beach South
<a href="#">11-80</a>	Wells	Moody Beach, North
<a href="#">11-79</a>	Wells	Moody Beach, South
<a href="#">11-81</a>	Wells	Moody Point, Fishermans Cove
<a href="#">11-84</a>	Wells	Wells Beach Central
<a href="#">11-85</a>	Wells	Wells Beach North
<a href="#">11-83</a>	Wells	Wells Beach, Casino Point
<a href="#">11-82</a>	Wells	Wells Beach, South
<a href="#">11-70</a>	York	East Point and Cow Beach
<a href="#">11-68</a>	York	Godfreys Cove, Seal Head Point
<a href="#">11-71</a>	York	Lobster Cove
<a href="#">11-73</a>	York	Long Beach, Central
<a href="#">11-74</a>	York	Long Beach, North
<a href="#">11-72</a>	York	Long Beach, South
<a href="#">11-66</a>	York	Raynes Neck
<a href="#">11-75</a>	York	Short Sands Beach
<a href="#">11-67</a>	York	Surf Point
<a href="#">11-69</a>	York	York Harbor Beach



COASTAL MARINE GEOLOGY

**Coastal Bluff Maps (scale 1:24,000)**

These color maps show the shoreline type and relative stability of bluffs along the Maine coast. The slope, shape, and amount of vegetation covering a coastal bluff and the adjacent shoreline are directly related to the susceptibility of the bluff face to ongoing erosion. Refer to Appendix K for map locations. Price per map: \$5.00. Coastal bluff maps are also available online as PDF files.

<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Quadrangle</u>	<u>Pub. Number</u>
Addison .....	<a href="#">06-61</a>	Ellsworth.....	<a href="#">02-187</a>	Prouts Neck.....	<a href="#">02-208</a>
Bailey Island.....	<a href="#">02-168</a>	Freeport.....	<a href="#">02-188</a>	Rockland.....	<a href="#">02-209</a>
Baker Island.....	<a href="#">05-47</a>	Friendship.....	<a href="#">02-189</a>	Salsbury Cove.....	<a href="#">02-210</a>
Bangor.....	<a href="#">02-169</a>	Hampden.....	<a href="#">02-190</a>	Sargentville.....	<a href="#">02-211</a>
Bar Harbor.....	<a href="#">06-70</a>	Hancock.....	<a href="#">05-41</a>	Schoodic Head.....	<a href="#">06-68</a>
Bartlett Island.....	<a href="#">03-8</a>	Harrington.....	<a href="#">06-63</a>	Seal Harbor.....	<a href="#">05-21</a>
Bass Harbor.....	<a href="#">05-19</a>	Hewett Island.....	<a href="#">02-191</a>	Searsport.....	<a href="#">03-24</a>
Bath.....	<a href="#">02-171</a>	Islesboro.....	<a href="#">03-22</a>	Small Point.....	<a href="#">02-213</a>
Belfast.....	<a href="#">02-172</a>	Kennebunkport.....	<a href="#">06-57</a>	South Harpswell.....	<a href="#">02-214</a>
Biddeford.....	<a href="#">02-173</a>	Kittery.....	<a href="#">02-193</a>	Southwest Harbor.....	<a href="#">05-22</a>
Biddeford Pool.....	<a href="#">02-174</a>	Lincolntonville.....	<a href="#">02-194</a>	Stinson Neck.....	<a href="#">02-215</a>
Blue Hill.....	<a href="#">02-175</a>	Louds Island.....	<a href="#">02-195</a>	Sullivan.....	<a href="#">05-42</a>
Bois Bubert.....	<a href="#">04-18</a>	Monhegan.....	<a href="#">02-196</a>	Swans Island.....	<a href="#">03-18</a>
Boothbay Harbor.....	<a href="#">02-176</a>	New Harbor.....	<a href="#">02-197</a>	Tenants Harbor.....	<a href="#">02-217</a>
Bristol.....	<a href="#">02-177</a>	Newbury Neck.....	<a href="#">02-198</a>	Thomaston.....	<a href="#">02-218</a>
Brooklin.....	<a href="#">02-178</a>	North Haven West.....	<a href="#">03-20</a>	Waldoboro East.....	<a href="#">02-219</a>
Brunswick.....	<a href="#">02-179</a>	Old Orchard Beach.....	<a href="#">02-199</a>	Waldoboro West.....	<a href="#">02-220</a>
Bucksport.....	<a href="#">02-180</a>	Orland.....	<a href="#">02-200</a>	Wells.....	<a href="#">06-55</a>
Camden.....	<a href="#">02-181</a>	Orrs Island.....	<a href="#">02-201</a>	Westport.....	<a href="#">02-221</a>
Cape Elizabeth.....	<a href="#">02-182</a>	Pemaquid Point.....	<a href="#">08-63</a>	Winter Harbor.....	<a href="#">06-66</a>
Cape Rosier.....	<a href="#">03-16</a>	Penobscot.....	<a href="#">02-203</a>	Wiscasset.....	<a href="#">02-222</a>
Castine.....	<a href="#">03-102</a>	Petit Manan.....	<a href="#">04-24</a>	Yarmouth.....	<a href="#">02-223</a>
Cherryfield.....	<a href="#">04-20</a>	Phippsburg.....	<a href="#">02-204</a>	York Beach.....	<a href="#">06-59</a>
Damariscotta.....	<a href="#">02-185</a>	Portland East.....	<a href="#">02-205</a>	York Harbor.....	<a href="#">02-224</a>
Dover East.....	<a href="#">02-186</a>	Portland West.....	<a href="#">02-206</a>		
Drisko Island.....	<a href="#">06-64</a>	Portsmouth.....	<a href="#">02-207</a>		

**Coastal Landslide Hazards Maps (scale 1:24,000)**

These color maps show locations of known landslides and areas of potential landslide hazard on bluffs along the Maine coast. The explanation describes factors influencing landslide risk. Refer to Appendix L for map locations. Price per map: \$5.00. Landslide hazards maps are also available online as PDF files.

<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Quadrangle</u>	<u>Pub. Number</u>
Addison .....	<a href="#">06-62</a>	Ellsworth.....	<a href="#">01-516</a>	Prouts Neck.....	<a href="#">01-537</a>
Bailey Island.....	<a href="#">01-497</a>	Freeport.....	<a href="#">01-517</a>	Rockland.....	<a href="#">01-538</a>
Baker Island.....	<a href="#">05-31</a>	Friendship.....	<a href="#">01-518</a>	Salsbury Cove.....	<a href="#">01-539</a>
Bangor.....	<a href="#">01-498</a>	Hampden.....	<a href="#">01-519</a>	Sargentville.....	<a href="#">01-540</a>
Bar Harbor.....	<a href="#">06-71</a>	Hancock.....	<a href="#">05-24</a>	Schoodic Head.....	<a href="#">06-69</a>
Bartlett Island.....	<a href="#">03-9</a>	Harrington.....	<a href="#">04-23</a>	Seal Harbor.....	<a href="#">05-34</a>
Bass Harbor.....	<a href="#">05-32</a>	Hewett Island.....	<a href="#">01-520</a>	Searsport.....	<a href="#">03-23</a>
Bath.....	<a href="#">01-500</a>	Islesboro.....	<a href="#">03-21</a>	Small Point.....	<a href="#">01-542</a>
Belfast.....	<a href="#">01-501</a>	Kennebunkport.....	<a href="#">06-58</a>	South Harpswell.....	<a href="#">01-543</a>
Biddeford.....	<a href="#">01-502</a>	Kittery.....	<a href="#">01-522</a>	Southwest Harbor.....	<a href="#">05-35</a>
Biddeford Pool.....	<a href="#">01-503</a>	Lincolntonville.....	<a href="#">01-523</a>	Stinson Neck.....	<a href="#">01-544</a>
Blue Hill.....	<a href="#">01-504</a>	Louds Island.....	<a href="#">01-524</a>	Sullivan.....	<a href="#">05-37</a>
Bois Bubert.....	<a href="#">04-19</a>	Monhegan.....	<a href="#">01-525</a>	Swans Island.....	<a href="#">03-17</a>
Boothbay Harbor.....	<a href="#">01-505</a>	New Harbor.....	<a href="#">01-526</a>	Tenants Harbor.....	<a href="#">01-546</a>
Bristol.....	<a href="#">01-506</a>	Newbury Neck.....	<a href="#">01-527</a>	Thomaston.....	<a href="#">01-547</a>
Brooklin.....	<a href="#">01-507</a>	North Haven West.....	<a href="#">03-19</a>	Waldoboro East.....	<a href="#">01-548</a>
Brunswick.....	<a href="#">01-509</a>	Old Orchard Beach.....	<a href="#">01-528</a>	Waldoboro West.....	<a href="#">01-549</a>
Bucksport.....	<a href="#">01-508</a>	Orland.....	<a href="#">01-529</a>	Wells.....	<a href="#">06-56</a>
Camden.....	<a href="#">01-510</a>	Orrs Island.....	<a href="#">01-530</a>	Westport.....	<a href="#">01-550</a>
Cape Elizabeth.....	<a href="#">01-511</a>	Pemaquid Point.....	<a href="#">08-64</a>	Winter Harbor.....	<a href="#">06-67</a>
Cape Rosier.....	<a href="#">03-15</a>	Penobscot.....	<a href="#">01-532</a>	Wiscasset.....	<a href="#">01-551</a>
Castine.....	<a href="#">03-101</a>	Petit Manan.....	<a href="#">04-25</a>	Yarmouth.....	<a href="#">01-552</a>
Cherryfield.....	<a href="#">04-21</a>	Phippsburg.....	<a href="#">01-533</a>	York Beach.....	<a href="#">06-60</a>
Damariscotta.....	<a href="#">01-514</a>	Portland East.....	<a href="#">01-534</a>	York Harbor.....	<a href="#">01-553</a>
Dover East.....	<a href="#">01-515</a>	Portland West.....	<a href="#">01-535</a>		
Drisko Island.....	<a href="#">06-65</a>	Portsmouth.....	<a href="#">01-536</a>		

## Marine Geology Reports

### Publication No. Title and Description

- MENAT **A Maine geological sketchbook**, 1995, Hughes, Laurie L., Neuman, Robert B., Borns, Harold W., Jr., and Kelley, Joseph T., *Maine Naturalist*, v. 3, no. 2, p. 61-80, 20 p., 9 figs. Article includes sketches and descriptions of glacial features at Mt. Katahdin and Pineo Ridge, Miles Beach at Reid State Park, and bedrock features at Marginal Way, Ogunquit; The Ledges, Baxter State Park; Schoodic Point, Acadia National Park; Mount Blue State Park; Kenduskeag Stream, Bangor; and central Aroostook County. \$1.00
- 95-1 **A sand budget for Saco Bay, Maine**, 1995, Kelley, J. T., Belknap, D. F., FitzGerald, D. M., Barber, D. C., Dickson, S. M., van Heteren, S., Fink, L. K., and Manthorp, P. A., 40 p. Sand budget constructed using data from side-scan sonar, seismic reflection, vibracores, and ground-penetrating radar. \$2.00 [PDF](#)
- 91-6 **Geomorphology and sedimentary framework of Blue Hill and Frenchman Bays and adjacent inner continental shelf**, 1991, Barnhardt, Walter, and Kelley, Joseph T., 39 p., 27 figs, 3 tables. Seismic reflection profiles, side-scan sonar images, bottom sediment composition and texture. Offshore coverage from Swans Island to Schoodic Point. \$2.00 [PDF](#)
- 89-3 **Geomorphology and sedimentary framework of Penobscot Bay and adjacent inner continental shelf**, 1989, Kelley, Joseph T., and Belknap, Daniel F., 35 p., 26 figs., 2 tables, Seismic reflection profiles, side-scan sonar images, bottom sediment composition and texture. Offshore coverage from Rockland to Deer Isle. \$2.00 [PDF](#)
- 88-6 **Geomorphology and sedimentary framework of the inner continental shelf of central Maine**, 1988, Kelley, Joseph T., and Belknap, Daniel F., 51 p., 26 figs., 2 tables, Seismic reflection profiles, side-scan sonar images, bottom sediment composition and texture. Offshore coverage from Pemaquid Point to Port Clyde. \$2.55 [PDF](#)
- 94-11 **Geomorphology and sedimentary framework of the inner continental shelf of Downeast Maine**, 1994, Dickson, Stephen M., Kelley, Joseph T., and Barnhardt, Walter A., 55 p., 4 plates, 40 figures, scale 1:150,000. Seismic reflection profiles, side-scan sonar images, bottom sediment composition and texture. Offshore coverage from Schoodic Point to Oak Bay. \$18.75 [PDF](#)
- 87-19 **Geomorphology and sedimentary framework of the inner continental shelf of south-central Maine**, 1987, Kelley, Joseph T., Belknap, Daniel F., and Shipp, R. Craig, 76 p., 50 figs., 3 tables, Seismic reflection profiles, side-scan sonar images, bottom sediment composition and texture. Offshore coverage from Cape Elizabeth to Boothbay Harbor. \$3.80 [PDF](#)
- 87-5 **Geomorphology and sedimentary framework of the inner continental shelf of southwestern Maine**, 1987, Kelley, Joseph T., Shipp, R.C., and Belknap, Daniel F., 86 p., 47 figs., 5 tables, Seismic reflection profiles, side-scan sonar images, bottom sediment composition and texture. Offshore coverage from Kittery to Cape Elizabeth. \$4.30 [PDF](#)
- 18-6 **Going Green - Furthering Living Shorelines in Maine Workshop Proceedings**, 2018, Slovinsky, Peter A. (editor), *Going Green - Furthering Living Shorelines in Maine Workshop*, April 6, 2018, Portland, Maine, Maine Geological Survey, Circular 18-6, 224 p, Printed copy unavailable [PDF](#)
- NEIGC16C **Guidebook for field trips along the Maine coast from Maquoit Bay to Muscongus Bay**, 2016, Berry, Henry N., IV, and West, David P., Jr. (editors), *New England Intercollegiate Geological Conference, 108th Annual Meeting*, October 14-16, 2016, Bath, Maine, 326 p, color, Printed copy unavailable [PDF](#)
- B-25 **History of sedimentation in Montsweag Bay**, 1972, Schnitker, Detmar, 20 p., 19 figs. Discussion of sedimentation, seismic profiles. \$1.25 [PDF](#)
- 06-14 **Impacts of future sea level rise on the coastal floodplain**, 2006, Slovinsky, Peter A. and Dickson, Stephen M., 25 p., 17 figs., 3 tables, Discusses impacts of 1-3 ft. of sea-level rise in area of Rachel Carson National Wildlife Refuge and surroundings. \$4.00 [PDF](#)
- COAST **Living with the coast of Maine**, 1989, Kelley, Joseph T., Kelley, Alice R., and Pilkey, Orrin H., Sr., Duke University Press, Durham, North Carolina, 174 p., 118 figs., 3 appendices, Explains coastal change, relative safety of particular locations on the coast, and recommends sound construction techniques in hazardous coastal areas. \$10.95
- MIH **Maine's intertidal habitats: a planner's handbook**, 1985, Larsen, P. F., Doggett, L. F., and Deis, R. (editor), Maine State Planning Office and Bigelow Laboratory for Ocean Sciences, 43 p., 22 figs. Discusses ecology, planning considerations, and intertidal environments. Written in non-technical style. Printed copy unavailable
- I-716 **Map showing echo-sounding survey (3.5 kHz) of Massachusetts and Cape Cod Bays, western Gulf of Maine**, 1972, Tucholke, Brian E., Oldale, Robert N., and Hollister, Charles D., U. S. Geological Survey, Miscellaneous Geologic Investigations Map I-716, color map, descriptive text, scale 1:250,000. Map shows acoustic penetration and sediment texture. \$4.00 [PDF](#)
- MF-1751 **Maps showing sea-floor topography, depth to bedrock, and sediment thickness, Penobscot Bay, Maine**, 1985, Knebel, Harley J., and Scanlon, Kathryn M., U. S. Geological Survey, Miscellaneous Field Studies Map, MF-1751, 2 maps, cross-sections, seismic profiles, scale 1:100,000. \$4.00

COASTAL MARINE GEOLOGY

- B-40 **Neotectonics of Maine; studies in seismicity, crustal warping, and sea-level change**, 1989, Anderson, Walter A., and Borns, Harold W., Jr., 228 p., 133 figs. Includes technical papers on neotectonic activity in coastal Maine, geophysics of the Passamaquoddy Bay area, geology of southwestern coastal Maine, glaciomarine deltas related to crustal movements, inventory of salt marshes, Holocene sea-level change in coastal Maine, seismic reflection investigation of neotectonics of coastal Maine, archaeological evidence of coastal subsidence, postglacial bedrock faulting, geodetic evidence of crustal motion, geomechanical aspects of subsidence. \$5.00 [PDF](#)
- 18-1 **Oil and Gas Potential in Maine – Onshore and Offshore**, 2018, Marvinney, Robert G., 17 p., Printed copy unavailable [PDF](#)
- 90-1 **Sedimentary framework of the southern Maine inner continental shelf: Preliminary results from vibracores**, 1990, Kelley, Joseph T., Dickson, Stephen M., Belknap, Daniel F., and Friez, Julie K., 48 p., 26 figs., 3 tables, Descriptions of thirteen underwater vibracores and their relation to seismic reflection profiles and marine geologic environments. Cores from Saco Bay, Casco Bay, Cape Small/Seguin Island areas. \$2.40 [PDF](#)
- B-23 **Shorter contributions to Maine geology**, 1970, Andrews, Henry N., Kasper, Andrew E., Roy, David C., Forbes, William H., Pankiwskyj, Kost A., Boone, Gary M., Boucot, Arthur J., Fullagar, Paul D., Bottino, Michael L., Gilman, Richard A., and Hussey, Arthur M., II, 68 p., 8 papers, Papers on plant fossils of the Trout Valley Formation, Silurian fossils on Lawler Ridge, Limestone Hill in Somerset county, Fish River Lake Formation, Devonian slates in the northern Appalachians, Rb-Sr ages of Silurian-Devonian volcanics in eastern Maine, structure of Sawyer Mountain area, origin and development of the Wells Beach area. \$1.90 [PDF](#)
- 07-99 **State of Maine's beaches in 2007**, 2007, Slovinsky, Peter A. and Dickson, Stephen M., 140 p., 196 figs. Provides a description of the changes observed at Maine beaches that are monitored as part of the State of Maine Beach Profiling Project. \$14.00 [PDF](#)
- 09-57 **State of Maine's beaches in 2009**, 2009, Slovinsky, Peter A. and Dickson, Stephen M., 68 p., 196 figs. Provides a description of the changes observed at Maine beaches that are monitored as part of the State of Maine Beach Profiling Project. Printed copy unavailable [PDF](#)
- 11-149 **State of Maine's Beaches in 2011**, 2011, Slovinsky, Peter A., and Dickson, Stephen M., 86 p., 100 figs., 7 tables, Provides a description of the changes observed at Maine beaches that are monitored as part of the State of Maine Beach Profiling Project. Printed copy unavailable [PDF](#)
- 13-19 **State of Maine's Beaches in 2013**, 2013, Slovinsky, Peter A., Dickson, Stephen M., and Dye, Rachael E., 86 p., 100 figs., 7 tables, Provides a description of the changes observed at Maine beaches that are monitored as part of the State of Maine Beach Profiling Project. Printed copy unavailable [PDF](#)
- 15-25 **State of Maine's Beaches in 2015**, 2015, Slovinsky, Peter A., Dickson, Stephen M., and Adams, Cameron D., 110 p., 113 figs., 8 tables, Provides a description of the changes observed at Maine beaches that are monitored as part of the State of Maine Beach Profiling Project. Printed copy unavailable [PDF](#)
- 17-14 **State of Maine's Beaches in 2017**, 2017, Slovinsky, Peter A., Dickson, Stephen M., and Cavagnaro, David B., 114 p., 98 figs., 5 tables, Provides a description of the changes observed at Maine beaches that are monitored as part of the State of Maine Beach Profiling Project. Printed copy unavailable [PDF](#)
- STUD5 **Studies in Maine geology: Volume 5 - Quaternary geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 176 p., 130 figs, 10 papers with abstracts and references, Includes technical papers on the timing and mechanisms for deposition of the glaciomarine mud in the Gulf of Maine, a submerged shoreline on the inner continental shelf of the western Gulf of Maine, depositional sequence modeling of Late Quaternary evolution for the west-central Maine coast, geomorphology and Late Quaternary evolution of the Saco Bay region, morphodynamics of tidal inlet systems in Maine, origin and sedimentation of Maine lakes emphasizing lake-outlet deltas, major influences on lake water chemistry, peat resources in Maine, lithologic and structural control on the geomorphology of mountainous areas in north-central Maine, and radon in Maine. \$2.50 [PDF](#)
- GMC **The geology of Maine's coastline: A handbook for resource planners, developers, and managers**, 1983, Maine State Planning Office, Maine State Planning Office, Augusta, Maine, 79 p., 59 figs. Discusses geologic processes and coastal marine environments of Maine. Written in non-technical style. Printed copy unavailable
- 96-6 **The seafloor revealed: The geology of the northwestern Gulf of Maine inner continental shelf**, 1998, Kelley, Joseph T., Barnhardt, Walter A., Belknap, Daniel F., Dickson, Stephen M., and Kelley, Alice R., 55 p., 46 figs. Explains the surficial geology, physiography, and geologic history of the Maine coast. Methods and analysis detail how the seafloor was studied. Data were interpreted from side-scan sonar records, seismic reflection profiles, bottom samples, and submersible dives. \$5.00 [PDF](#)
- 03-78 **Variation of beach morphology along the Saco Bay littoral cell: An analysis of recent trends and management alternatives**, 2003, Slovinsky, Peter A., and Dickson, Stephen M., 57 p., 38 figs. Examination of shoreline types, beach profile shapes, erosion, and accretion along the Saco Bay shoreline. Makes recommendations for sediment management. \$8.00 [PDF](#)

## COASTAL MARINE GEOLOGY

- 95-71 **Volume and quality of sand and gravel aggregate in the submerged paleodelta, shorelines, and modern shoreface of Saco Bay, Maine**, 1995, Kelley, Joseph T., Dickson, Stephen M., Barnhardt, Walter A., Barber, Donald, and Belknap, Daniel F., 28 p., 24 figs. Sand volume and thickness in three offshore depositional environments of Saco Bay, with interpreted seismic reflection profiles and underwater vibrocores. \$2.00 [PDF](#)
- 97-5 **Volume and quality of sand and gravel aggregate in the submerged paleodeltas of the Kennebec and Penobscot River mouth areas, Maine**, 1997, Kelley, Joseph T., Dickson, Stephen M., Barnhardt, Walter A., and Belknap, Daniel F., 61 p. Reports on results of a geophysical and coring investigation of sand volumes at mouths of Kennebec and Penobscot Rivers. \$3.00 [PDF](#)

### Field Trips

<u>Publication No.</u>	<u>Title and Description</u>
SEPM	<b>Coastal processes and Quaternary stratigraphy, northern and central coastal Maine</b> , 1986, Kelley, Joseph T., and Kelley, Alice R. (editors), Society of Economic Paleontologists and Mineralogists, SEPM Eastern Section Field Trip, May 15-18, 1986, 94 p., 57 figs., 22 p. maps showing trip stops. Includes trips to West Quoddy Head State Park, Carrying Place Heath, Cutler, Machiasport, Jasper Beach, Addison, Pineo Ridge delta, Hampden delta, Glidden Point Shell Midden, Bunganuc Bluffs, Portland Head. \$8.00
NEIGC95	<b>Guidebook to field trips in southern Maine and adjacent New Hampshire</b> , 1995, Hussey, Arthur M., II, and Johnston, Robert A. (editors), New England Intercollegiate Geological Conference, 87th annual meeting, October 6-8, 1995, Brunswick, Maine, 314 p., 105 figs, Includes papers on hydrogeology of Belgrade Lakes region, arsenic in ground water, hydrogeology and environmental geology of Gray delta, glaciomarine deposits of Casco Bay sublobe, barriers and inlets of Southern Maine, shear strain in Casco Bay area, terrane in Northern Penobscot Bay, Norumbega fault zone, Acadian suture, metapelite rocks in Casco Bay, coastal lithotectonic belt, Sebago batholith, granite in Topsham-Brunswick area, brittle strike-slip faults, impact of sea level rise on prehistoric human occupation of central Maine coast. \$18.00

**Coastal Marine Geologic Environments Maps (scale 1:24,000)**

Maps covering the coastal zone of Maine including geologic environments located between the mainland and shallow subtidal depths approximately 25-30 feet below the low-tide mark. Supratidal, intertidal, and subtidal environments are described including features such as sand dunes, salt marshes, beaches, and mud flats. Since this series of maps was compiled in the 1970's, some of these maps are overprinted on an older series of base maps, and quadrangle names followed by NE, NW, SE, or SW refer to photo-enlarged quadrants of 15' quadrangles. In the list below, the present day quadrangle name is shown. Refer to Appendix M for map locations. Price per map: \$4.00.

<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Quadrangle</u>	<u>Pub. Number</u>	<u>Quadrangle</u>	<u>Pub. Number</u>
Addison .....	<a href="#">76-49</a>	Friendship .....	<a href="#">74-22</a>	Portland West .....	<a href="#">76-122</a>
Augusta .....	<a href="#">76-50</a>	Gardiner .....	<a href="#">76-92</a>	Portsmouth .....	<a href="#">76-123</a>
Bailey Island .....	<a href="#">76-51</a>	Great Wass Island .....	<a href="#">76-95</a>	Prouts Neck .....	<a href="#">76-124</a>
Bangor .....	<a href="#">76-52</a>	Hampden .....	<a href="#">76-69</a>	Red Beach .....	<a href="#">76-125</a>
Bar Harbor .....	<a href="#">76-54</a>	Hancock .....	<a href="#">76-89</a>	Richmond .....	<a href="#">76-93</a>
Bartlett Island .....	<a href="#">76-111</a>	Harrington .....	<a href="#">76-96</a>	Robbinston .....	<a href="#">76-126</a>
Bass Harbor .....	<a href="#">76-130</a>	Hewett Island .....	<a href="#">74-23</a>	Rockland .....	<a href="#">74-24</a>
Bath .....	<a href="#">76-57</a>	Isle au Haut East .....	<a href="#">75-27</a>	Roque Bluffs .....	<a href="#">76-127</a>
Belfast .....	<a href="#">76-59</a>	Isle au Haut West .....	<a href="#">75-28</a>	Salsbury Cove .....	<a href="#">76-108</a>
Biddeford .....	<a href="#">76-60</a>	Isles of Shoals .....	<a href="#">76-97</a>	Sargentville .....	<a href="#">76-65</a>
Biddeford Pool .....	<a href="#">76-61</a>	Islesboro .....	<a href="#">76-76</a>	Schoodic Head .....	<a href="#">76-55</a>
Blue Hill .....	<a href="#">76-62</a>	Johns Island .....	<a href="#">76-133</a>	Seal Harbor .....	<a href="#">76-56</a>
Bois Bubert .....	<a href="#">76-66</a>	Jonesport .....	<a href="#">76-98</a>	Searsport .....	<a href="#">76-74</a>
Boothbay Harbor .....	<a href="#">76-67</a>	Kennebunk .....	<a href="#">76-99</a>	Small Point .....	<a href="#">76-128</a>
Bowdoinham .....	<a href="#">76-94</a>	Kennebunkport .....	<a href="#">76-100</a>	South Harpswell .....	<a href="#">76-129</a>
Bristol .....	<a href="#">76-68</a>	Kittery .....	<a href="#">76-101</a>	Southwest Harbor .....	<a href="#">76-110</a>
Brooklin .....	<a href="#">76-64</a>	Leadbetter Island .....	<a href="#">75-34</a>	Stinson Neck .....	<a href="#">76-82</a>
Brunswick .....	<a href="#">76-58</a>	Lincolville .....	<a href="#">76-102</a>	Sullivan .....	<a href="#">76-135</a>
Bucksport .....	<a href="#">76-70</a>	Louds Island .....	<a href="#">76-103</a>	Swans Island .....	<a href="#">76-131</a>
Calais .....	<a href="#">76-71</a>	Lubec .....	<a href="#">76-104</a>	Tenants Harbor .....	<a href="#">74-25</a>
Camden .....	<a href="#">74-21</a>	Machias .....	<a href="#">76-105</a>	Thomaston .....	<a href="#">76-134</a>
Cape Elizabeth .....	<a href="#">76-72</a>	Machias Bay .....	<a href="#">76-106</a>	Veazie .....	<a href="#">76-115</a>
Cape Rosier .....	<a href="#">76-75</a>	Matinicus .....	<a href="#">75-29</a>	Vinalhaven .....	<a href="#">75-33</a>
Castine .....	<a href="#">76-73</a>	Monhegan .....	<a href="#">75-30</a>	Waldoboro East .....	<a href="#">76-136</a>
Cherryfield .....	<a href="#">76-77</a>	Moose River .....	<a href="#">76-107</a>	Waldoboro West .....	<a href="#">76-137</a>
Columbia Falls .....	<a href="#">76-78</a>	New Harbor .....	<a href="#">76-112</a>	Wells .....	<a href="#">76-138</a>
Cross Island .....	<a href="#">76-79</a>	Newbury Neck .....	<a href="#">76-109</a>	West Lubec .....	<a href="#">76-139</a>
Cutler .....	<a href="#">76-80</a>	North Haven East .....	<a href="#">75-31</a>	Westport .....	<a href="#">76-140</a>
Damariscotta .....	<a href="#">76-81</a>	North Haven West .....	<a href="#">75-32</a>	Whiting .....	<a href="#">76-141</a>
Deer Isle .....	<a href="#">76-83</a>	Old Orchard Beach .....	<a href="#">76-113</a>	Whitneyville .....	<a href="#">76-142</a>
Devils Head .....	<a href="#">76-84</a>	Orland .....	<a href="#">76-114</a>	Winter Harbor .....	<a href="#">76-53</a>
Dover East .....	<a href="#">76-85</a>	Orrs Island .....	<a href="#">76-116</a>	Wiscasset .....	<a href="#">76-143</a>
Drisko Island .....	<a href="#">76-86</a>	Pemaquid Point .....	<a href="#">76-117</a>	Yarmouth .....	<a href="#">76-144</a>
East Pittston .....	<a href="#">76-87</a>	Pembroke .....	<a href="#">76-118</a>	York Beach .....	<a href="#">76-145</a>
Eastport .....	<a href="#">76-88</a>	Penobscot .....	<a href="#">76-63</a>	York Harbor .....	<a href="#">76-146</a>
Ellsworth .....	<a href="#">76-90</a>	Petit Manan .....	<a href="#">76-119</a>		
Freeport .....	<a href="#">76-91</a>	Phippsburg .....	<a href="#">76-120</a>		
Frenchboro .....	<a href="#">76-132</a>	Portland East .....	<a href="#">76-121</a>		

## **BEDROCK GEOLOGY**

### **Bedrock Geology Maps (large-scale)**

Some bedrock maps have associated reports which are indicated in the descriptions following the quadrangle name. All maps are black-and-white except where color is noted. Refer to Appendix N for map locations.

Publication No.    Title and Description

- 87-26            **Bedrock geology of the Camden Hills area, central coastal Maine**, 1987, Berry, Henry N., IV , 27 p. report, 5 figs., 2 maps, cross section, scale 1:16,400. Describes stratigraphy, igneous rocks, structure, and metamorphism. Maps include bedrock geology, tectonic and metamorphic features, and cross section. \$12.00 [PDF](#)
- 12-1            **Bedrock geology of the northern part of the Small Point quadrangle, Maine**, 2012, Hussey, Arthur M., II, 1 plate, photographs, color map, cross sections, scale 1:12,000. \$5.00 [PDF](#)
- 12-21            **Bedrock geology of the Saddleback Hills, Baldwin, Maine**, 2012, Schoonmaker, Adam, color map and 6p. report, scale 1:15,000. \$6.00 [PDF](#)

### **Bedrock Geology Maps (scale 1:24,000)**

Many of the bedrock maps have associated reports which are indicated in the descriptions following the quadrangle name. All maps are black-and-white except where color is noted. Refer to Appendix N for map locations. Bedrock geology maps are also available online as PDF files.

Publication No.    Title and Description

- 01-352            **Bedrock geology of North Haven and Vinalhaven Islands**, 2001, Gates, Olcott, color map, cross section, scale 1:24,000. \$6.00 [PDF](#)
- 01-373            **Bedrock geology of North Haven and Vinalhaven Islands**, 2001, Gates, Olcott, 28 p. report, Accompanies Open-File Map 01-352. \$2.00 [PDF](#)
- 12-36            **Bedrock geology of the Augusta quadrangle, Maine**, 2012, Marvinney, Robert G., and Barker, Daniel S., color map, scale 1:24,000. \$5.00 [PDF](#)
- 11-57            **Bedrock geology of the Bangor quadrangle, Maine**, 2011, Pollock, Stephen G., color map, scale 1:24,000. \$5.00 [PDF](#)
- 95-75            **Bedrock geology of the Bar Mills quadrangle, Maine**, 1995, Marvinney, Robert G., 7 p. report, color map, 6 figs, scale 1:24,000. \$6.00 [PDF](#)
- 12-37            **Bedrock geology of the Belfast quadrangle, Maine**, 2012, Pollock, Stephen G., color map, scale 1:24,000. \$5.00 [PDF](#)
- 10-20            **Bedrock geology of the Bowdoinham quadrangle, Maine**, 2010, West, David P., Jr., and Cubley, Joel F., color map and 17 p. report, scale 1:24,000. \$8.00 [PDF](#)
- 16-9            **Bedrock geology of the Brewer Lake quadrangle, Maine**, 2016, Pollock, Stephen G., and West, David P., Jr., color map, scale 1:24,000. \$5.00 [PDF](#)
- 18-15            **Bedrock geology of the Brooks East quadrangle, Maine**, 2018, Pollock, Stephen G., color map, scale 1:24,000. \$5.00 [PDF](#)
- 18-14            **Bedrock geology of the Brooks West quadrangle, Maine**, 2018, West, David P., Jr., color map, scale 1:24,000. \$5.00 [PDF](#)
- 18-4            **Bedrock geology of the Brunswick quadrangle, Maine**, 2018, Hussey, Arthur M., II, and West, David P., Jr., color map, scale 1:24,000. \$5.00 [PDF](#)
- 12-32            **Bedrock geology of the Cape Elizabeth quadrangle, Maine**, 2012, Hussey, Arthur M., II, 6 p. report, 9 figures, 1 plate, photographs, color map, cross section, scale 1:24,000. \$6.00 [PDF](#)
- 11-148            **Bedrock geology of the China Lake quadrangle, Maine**, 2011, Pollock, Stephen G., and Bowdoin, Wyeth, color map, scale 1:24,000. \$5.00 [PDF](#)
- 03-93            **Bedrock geology of the Dill Hill quadrangle, Maine**, 2003, Ludman, Allan (mapper), Berry, Henry N., IV (editor), color map and 16 p. report, cross section, scale 1:24,000. \$8.00 [PDF](#)
- 12-27            **Bedrock geology of the Dover East quadrangle, Maine**, 2012, Hussey, Arthur M., II, and Bothner, Wallace A., color map, scale 1:24,000. \$5.00 [PDF](#)
- 14-30            **Bedrock geology of the East Pittston quadrangle, Maine**, 2014, Grover, Timothy W., and West, David P., Jr., color map, scale 1:24,000. \$5.00 [PDF](#)
- 08-88            **Bedrock geology of the Ellsworth quadrangle, Maine**, 2008, Pollock, Jeff, color map, scale 1:24,000. \$5.00 [PDF](#)
- 07-143            **Bedrock geology of the Fletcher Peak quadrangle, Maine**, 2007, Wang, Chunzeng, color map and 16 p. report, cross section, scale 1:24,000. \$8.00 [PDF](#)

## BEDROCK GEOLOGY

- 18-11 **Bedrock geology of the Freeport quadrangle, Maine**, 2018, West, David P., Jr., and Hussey, Arthur M., II, scale 1:24,000. \$5.00 [PDF](#)
- 18-12 **Bedrock geology of the Gilead quadrangle, Maine**, 2018, Eusden, J. Dykstra, Choe, Saebyul, Divan, Erik, Eusden, Riley, Watermulder, Sula, and Wheatcroft, Audrey, scale 1:24,000. \$5.00 [PDF](#)
- 97-3 **Bedrock geology of the Gray 7.5-minute quadrangle, Cumberland County, Maine**, 1997, Creasy, John W., and Robinson, Alexander C., 8 p. report and color map, scale 1:24,000. \$6.00 [PDF](#)
- 12-33 **Bedrock geology of the Great Pond quadrangle, Maine**, 2012, Wang, Chunzeng, color map and 17 p. report, scale 1:24,000. \$6.50 [PDF](#)
- 16-10 **Bedrock geology of the Hampden quadrangle, Maine**, 2016, West, David P., Jr., and Pollock, Stephen G., color map, scale 1:24,000. \$5.00 [PDF](#)
- 08-53 **Bedrock geology of the Jefferson quadrangle, Maine**, 2008, Berry, Henry N., and Osberg, Philip H., color map, scale 1:24,000. \$5.00 [PDF](#)
- 12-28 **Bedrock geology of the Kittery quadrangle, Maine**, 2012, Hussey, Arthur M., II, color map, scale 1:24,000. \$5.00 [PDF](#)
- 97-60 **Bedrock geology of the Limington quadrangle, Maine**, 1997, Berry, Henry N., IV, color map, scale 1:24,000. \$5.00 [PDF](#)
- 04-77 **Bedrock geology of the Milton quadrangle, New Hampshire-Maine**, 2004, Thompson, Peter J., color map, scale 1:24,000. \$5.00 [PDF](#)
- 02-162 **Bedrock geology of the Newbury Neck quadrangle, Maine**, 2002, Reusch, Douglas N. and Hogan, John P., color map, scale 1:24,000. \$5.00 [PDF](#)
- 07-55 **Bedrock geology of the North Whitefield quadrangle, Maine**, 2007, Grover, Timothy W, color map, scale 1:24,000. \$5.00 [PDF](#)
- 97-43 **Bedrock geology of the North Windham 7.5' quadrangle, Maine**, 1997, Hussey, Arthur M., II, 1 plate, photographs, color map, cross section, scale 1:24,000. \$5.00 [PDF](#)
- 96-16 **Bedrock geology of the North Windham 7.5' quadrangle, Maine**, 1996, Hussey, Arthur M., II, 6 p, scale 1:24,000. accompanies Open-File Map 97-43. \$1.00 [PDF](#)
- 16-12 **Bedrock geology of the northwestern half of the Mount Waldo quadrangle, Maine**, 2016, Pollock, Stephen G., color map, scale 1:24,000. \$5.00 [PDF](#)
- 03-96 **Bedrock geology of the Old Orchard Beach quadrangle, Maine**, 2003, Hussey, Arthur M., II, 7 p. report, 13 figures, 1 plate, photographs, color map, scale 1:24,000. \$7.00 [PDF](#)
- 85-84 **Bedrock geology of the Palermo 7.5' quadrangle, Maine**, 1985, Newberg, Donald W., 14 p. report, map, scale 1:24,000. \$5.50 [PDF](#)
- 03-90 **Bedrock geology of the Portland East quadrangle, Maine**, 2003, Hussey, Arthur M., II, 12 p. report, 21 figures, 1 plate, photographs, color map, cross section, scale 1:24,000. \$8.00 [PDF](#)
- 03-94 **Bedrock geology of the Portland West quadrangle, Maine**, 2003, Hussey, Arthur M., II, 12 p. report, 21 figures, 1 plate, photographs, color map, cross section, scale 1:24,000. \$8.00 [PDF](#)
- 12-29 **Bedrock geology of the Portsmouth quadrangle, Maine**, 2012, Hussey, Arthur M., II, and Bothner, Wallace A., color map, scale 1:24,000. \$5.00 [PDF](#)
- 03-95 **Bedrock geology of the Prouts Neck quadrangle, Maine**, 2003, Hussey, Arthur M., II, 8 p. report, 21 figures, 1 plate, photographs, color map, cross section, scale 1:24,000. \$7.00 [PDF](#)
- 10-21 **Bedrock geology of the Purgatory quadrangle, Maine**, 2010, West, David P., and Ellenberger, Evan D., color map, scale 1:24,000. \$5.00 [PDF](#)
- 04-29 **Bedrock geology of the Razorville quadrangle, Maine**, 2004, West, David P., Jr., and Peterman, Emily M., color map, scale 1:24,000. \$5.00 [PDF](#)
- 13-21 **Bedrock geology of the Readfield quadrangle, Maine**, 2013, Marvinney, Robert G., and Grover, Timothy W., color map, scale 1:24,000. \$5.00 [PDF](#)
- 10-19 **Bedrock geology of the Richmond quadrangle, Maine**, 2010, West, David P., Jr., Berry, Henry N., IV, and Corbett, Lee B., color map, scale 1:24,000. \$5.00 [PDF](#)
- 12-30 **Bedrock geology of the Rochester quadrangle, Maine**, 2012, Thompson, Peter J., Bothner, Wallace A., and Hussey, Arthur M., II, color map, scale 1:24,000. \$5.00 [PDF](#)
- 18-8 **Bedrock geology of the Round Mountain quadrangle, Maine**, 2018, Wang, Chunzeng, scale 1:24,000. \$5.00 [PDF](#)
- 03-91 **Bedrock geology of the Salsbury Cove quadrangle, Maine**, 2003, Reusch, Douglas N., color map, scale 1:24,000. \$5.00 [PDF](#)



## BEDROCK GEOLOGY

- 16-26 **Bedrock geology of the Snow Mountain quadrangle, Maine**, 2016, West, David P., Jr., color map, scale 1:24,000. \$5.00 [PDF](#)
- 12-31 **Bedrock geology of the Somersworth quadrangle, Maine**, 2012, Hussey, Arthur M., II, color map, scale 1:24,000. \$5.00 [PDF](#)
- 16-11 **Bedrock geology of the southeastern half of the East Dixmont quadrangle, Maine**, 2016, Pollock, Stephen G., color map, scale 1:24,000. \$5.00 [PDF](#)
- 11-55 **Bedrock geology of the southern part of the Carmel quadrangle, Maine**, 2011, Reusch, Douglas N., color map, scale 1:24,000. \$5.00 [PDF](#)
- 11-58 **Bedrock geology of the Veazie quadrangle, Maine**, 2011, Pollock, Stephen G., color map, scale 1:24,000. \$5.00 [PDF](#)
- 06-79 **Bedrock geology of the Washington quadrangle, Maine**, 2006, West, David P., Jr., color map, scale 1:24,000. \$5.00 [PDF](#)
- 04-15 **Bedrock geology of the Waterboro quadrangle, Maine**, 2004, Guzowski, Chris, color map and 11 p. report, scale 1:24,000. \$8.00 [PDF](#)
- 03-49 **Bedrock geology of the Weeks Mills quadrangle, Maine**, 2003, Grover, Timothy W. and Fernandes, Leslie C., color map, scale 1:24,000. \$5.00 [PDF](#)
- 13-20 **Bedrock geology of the Wells quadrangle, Maine**, 2013, Hussey, Arthur M., II, color map and 6 p. report, scale 1:24,000. \$6.00 [PDF](#)
- 92-59 **Bedrock geology of the Westport 7.5' quadrangle, Maine**, 1992, Hussey, Arthur M., II, 9 p. report, 1 plate, geologic map, cross section, scale 1:24,000. \$5.00 [PDF](#)
- 14-3 **Bedrock geology of the Winthrop quadrangle, Maine**, 2014, Grover, Timothy W., color map, scale 1:24,000. \$5.00 [PDF](#)
- 16-27 **Bedrock geology of the Wiscasset quadrangle, Maine**, 2016, West, David P., Jr., map, scale 1:24,000. \$5.00 [PDF](#)
- 18-10 **Bedrock geology of the Yarmouth quadrangle, Maine**, 2018, West, David P., Jr., and Hussey, Arthur M., II, scale 1:24,000. \$5.00 [PDF](#)
- 14-2 **Bedrock geology of the York Beach quadrangle, Maine**, 2014, Hussey, Arthur M., II, and Brooks, John A., color map, scale 1:24,000. \$5.00 [PDF](#)
- 14-1 **Bedrock geology of the York Harbor quadrangle, Maine**, 2014, Hussey, Arthur M., II, and Brooks, John A., color map, scale 1:24,000. \$5.00 [PDF](#)
- GM-2 **Geologic map and cross sections of the Orrs Island 7.5' quadrangle and adjacent area, Maine**, 1971, Hussey, Arthur M., II, 18 p. report, 1 plate, color map, cross section, scale 1:24,000. \$2.85 [PDF](#)
- 61-1 **Geologic map of the Cutler and Moose River quadrangles, Washington County, Maine**, 1961, Gates, Olcott, map, cross section, scale 1:24,000. From out-of-print Maine Geological Survey Bulletin 13. \$4.00 [PDF](#)
- 96-1 **Geology of the Standish 7.5' quadrangle, southwestern Maine**, 1996, Hussey, Arthur M., II, 4 p. report, 4 figures, 1 plate, geologic map, scale 1:24,000. \$5.50 [PDF](#)
- 18-13 **Preliminary bedrock geology of the Greenfield quadrangle, Maine**, 2018, Ludman, Allan, scale 1:24,000. \$6.00 [PDF](#)
- 79-16 **Preliminary bedrock geology of the Tenants Harbor and a portion of the Friendship 7.5' quadrangles, Maine**, 1979, Guidotti, Charles V., 12 p. report, map, scale 1:24,000. \$5.50 [PDF](#)
- 86-73 **Preliminary report on the bedrock geology of the Devils Head, Robbinston, and Red Beach 7.5-minute quadrangles, Maine**, 1986, Abbott, Richard N., Jr., 39 p. report, map, scale 1:24,000. \$6.00 [PDF](#)
- 96-4 **Preliminary report: Bedrock geology of the Naples and Raymond quadrangles**, 1996, Creasy, John W., 9 p. report, 6 figs., 2 maps, scale 1:24,000. \$11.00 [PDF](#)
- 84-11 **Reconnaissance bedrock geology of the Bois Bubert 7.5' quadrangle, Maine**, 1984, Gates, Olcott and Cary, Sarah, map, scale 1:24,000. \$4.00 [PDF](#)
- 92-63 **Reconnaissance bedrock geology of the Brewer Lake quadrangle, Maine**, 1992, Kaszuba, John P., 18 p. report, map, scale 1:24,000. Map superseded by detailed bedrock map MGS Open-File 16-9. \$5.50 [PDF](#)
- 16-22 **Reconnaissance bedrock geology of the Damariscotta quadrangle, Maine**, 2016, Grover, Timothy W., and Newberg, Donald W., map, scale 1:24,000. \$4.00 [PDF](#)
- 91-3 **Reconnaissance bedrock geology of the Waldoboro Pluton Complex and other intrusive rocks in coastal Lincoln and Knox Counties, Maine**, 1991, Sidle, William C., 11 p. report, 4 figs., 3 tables, 2 maps, scale 1:24,000. Discusses geology of Waldoboro Pluton Complex and geology and chemical analyses of Meduncook-South Cushing area granitoids. \$9.50 [PDF](#)
- 96-2 **Structure and stratigraphy across the Hackmatack Pond Fault, Kennebec and Waldo Counties, Maine**, 1996, Pankiwskij, Kost A., 15 p. report, 2 maps, scale 1:24,000. \$11.50 [PDF](#)

## BEDROCK GEOLOGY

B-13            **The geology of the Cutler and Moose River quadrangles, Washington County, Maine**, 1961, Gates, Olcott, scale 1:24,000. Printed copy unavailable [PDF](#)

### **Bedrock Geology Maps (scale 1:62,500)**

The following list of maps is arranged alphabetically by quadrangle name. Many maps have associated reports which are indicated in the descriptions following the quadrangle name. All maps are black-and-white except where color is noted. Refer to Appendix O for map locations.

Publication No.    Title and Description

- GQ-358        **Bedrock geologic map of the Big Lake [15-minute] quadrangle, Washington County, Maine**, 1964, Larrabee, David M., U. S. Geological Survey, Geologic Quadrangle Map GQ-358, color map, scale 1:62,500. \$4.00 [PDF](#)
- GQ-1692      **Bedrock geologic map of the Bucksport [15-minute] quadrangle, Waldo, Hancock, and Penobscot Counties, Maine**, 1991, Wones, David R., U. S. Geological Survey, Geologic Quadrangle Map GQ-1692, color map, scale 1:62,500. Printed copy unavailable [PDF](#)
- I-1064        **Bedrock geologic map of the Mars Hill [15-minute] quadrangle and vicinity, Aroostook County, Maine**, 1978, Pavlides, Louis, U. S. Geological Survey, Miscellaneous Investigations Series Map I-1064, color map, scale 1:62,500. \$4.00 [PDF](#)
- GQ-1691      **Bedrock geologic map of the Orland [15-minute] quadrangle, Hancock and Penobscot Counties, Maine**, 1991, Wones, David R., U. S. Geological Survey, Geologic Quadrangle Map GQ-1691, color map, scale 1:62,500. Printed copy unavailable [PDF](#)
- 87-22        **Bedrock geology of portions of the North East Carry and Moosehead Lake [15-minute] quadrangles, Maine**, 1987, Simmons, Ruth, 17 p. report, map, cross section, scale 1:62,500. \$5.50 [PDF](#)
- 78-20        **Bedrock geology of the Ashland 15' quadrangle and surrounding area, Maine**, 1978, Roy, David C., map, cross section, scale 1:62,500. Includes parts of the Greenlaw and Presque Isle 15' quadrangles. \$4.00 [PDF](#)
- 90-26        **Bedrock geology of the Big Lake 15' quadrangle, Maine**, 1990, Ludman, Allan, 22 p. report, map, cross section, scale 1:62,500. \$6.00 [PDF](#)
- 90-27        **Bedrock geology of the Calais 15' quadrangle, Eastern Maine**, 1990, Ludman, Allan and Hill, Malcolm, 32 p. report, map, cross section, scale 1:62,500. \$6.00 [PDF](#)
- 85-85        **Bedrock geology of the Caucomgomoc Lake area, Maine**, 1985, Pollock, Stephen G., map, cross section, scale 1:62,500. Includes parts of Allagash Lake, St. John Pond, Caucomogomoc Lake, and North East Carry 15' quadrangles. \$5.00 [PDF](#)
- B-1346       **Bedrock geology of the Cupsuptic and Arnold Pond [15-minute] quadrangles, west-central Maine**, 1973, Harwood, David S., U. S. Geological Survey, Bulletin 1346, 90 p. report, 2 maps, scale 1:62,500. Printed copy unavailable [PDF](#)
- GQ-221       **Bedrock geology of the Danforth [15-minute] quadrangle, Maine**, 1963, Larrabee, David M., and Spencer, Charles W., U. S. Geological Survey, Geologic Quadrangle Map GQ-221, color map, scale 1:62,500. \$4.00 [PDF](#)
- 84-8         **Bedrock geology of the Gardiner 15' quadrangle, Maine**, 1984, Newberg, Donald W., 30 p. report, map, cross section, scale 1:62,500. \$6.00 [PDF](#)
- 83-4         **Bedrock geology of the Lewiston 15-minute quadrangle, Maine**, 1983, Hussey, Arthur M., II, 12 p. report, 2 plates, geologic maps, cross section, scale 1:62,500. Also published in Thompson, Woodrow B., and Kelley, Joseph T. (editors), New England Seismotectonic Study activities in Maine during fiscal year 1982: Maine Geological Survey, contract report for U. S. Nuclear Regulatory Commission, p. 19-31. \$9.50 [PDF](#)
- 81-11        **Bedrock geology of the Machias, Columbia Falls, and Great Wass Island 15' quadrangles, Maine**, 1981, Gates, Olcott, map, cross section, scale 1:62,500. \$5.00 [PDF](#)
- 91-2         **Bedrock geology of the Newfield 15' quadrangle, Maine - New Hampshire**, 1991, Gilman, Richard A., 10 p. report, map, cross section, scale 1:62,500. \$5.00 [PDF](#)
- 85-86        **Bedrock geology of the Pierce Pond 15' quadrangle, Maine**, 1985, Boone, Gary M., map, scale 1:62,500. \$4.00 [PDF](#)
- 94-3         **Bedrock geology of the Sandy Bay, Penobscot Lake, and Seboomook Lake [15-minute] quadrangles, Maine**, 1994, Marvinney, Robert G., map, cross section, scale 1:62,500. \$5.00 [PDF](#)
- 91-8         **Bedrock geology of the upper St. John River area, northwestern Maine**, 1991, Roy, David C., Pollock, Stephen G. and Hanson, Lindley S., 2 maps, scale 1:62,500. Quadrangles covered: Allagash, Beaver Pond, Beau Lake, Depot Lake, Little East Lake, Rocky Brook, Rocky Mountain, Seven Islands. \$8.00 [PDF](#)
- GM-3         **Geologic map and cross sections of the Eastport quadrangle, Maine**, 1977, Gates, Olcott, 19 p. report, color map, cross section, scale 1:48,000. \$5.70 [PDF](#)

## BEDROCK GEOLOGY

- 78-21 **Geologic map of a portion of northeastern Aroostook County, Maine**, 1978, Roy, David C. (compiler) , map, scale 1:62,500. Covers parts of Ashland, Caribou, Portage, Presque Isle, Square Lake, and Stockholm 15' quadrangles. \$5.00 [PDF](#)
- 87-2 **Geologic map of the Caribou and northern Presque Isle [15-minute] quadrangles, Maine**, 1987, Roy, David C., 44 p. report, 2 figs., 7 tables, map, cross section, scale 1:62,500. Includes discussion of paleontology of area. Map includes 2 cross sections. \$7.20 [PDF](#)
- GQ-920 **Geologic map of the Houlton [15-minute] quadrangle, Aroostook County, Maine**, 1971, Pavlides, Louis, U. S. Geological Survey, Geologic Quadrangle Map, GQ-920, color map, scale 1:62,500. \$4.00 [PDF](#)
- GQ-1094 **Geologic map of the Howe Brook [15-minute] quadrangle, Aroostook County, Maine**, 1973, Pavlides, Louis, U. S. Geological Survey, Geologic Quadrangle Map GQ-1094, color map, scale 1:62,500. \$4.00 [PDF](#)
- I-2058 **Geologic map of the Kennebago Lake [15-minute] quadrangle, Franklin County, Maine**, 1991, Boudette, Eugene L., U. S. Geological Survey, Miscellaneous Investigations Map I-2058, color map and 12 p. report, scale 1:62,500. \$4.00 [PDF](#)
- GM-4 **Geologic map of the Kezar Falls [15-minute] quadrangle, Maine**, 1977, Gilman, Richard A., 16 p. report, color map, cross section, scale 1:62,500. Printed copy unavailable [PDF](#)
- GM-6 **Geologic map of the Kingsbury [15-minute] quadrangle, Maine**, 1978, Ludman, Allan, 36 p. report, color map, cross section, scale 1:62,500. \$3.00 [PDF](#)
- GM-1 **Geologic map of the Portland [15-minute] quadrangle, Maine**, 1971, Hussey, Arthur M., II, 19 p. report, 1 plate, color map, cross section, scale 1:62,500. \$2.85 [PDF](#)
- I-605 **Geologic map of the Rangeley and Phillips [15-minute] quadrangles, Franklin and Oxford Counties, Maine**, 1971, Moench, Robert H., U. S. Geological Survey, Miscellaneous Geologic Investigations Map I-605, color map, scale 1:62,500. \$4.00 [PDF](#)
- GQ-1272 **Geologic map of the Rumford [15-minute] quadrangle, Oxford and Franklin Counties, Maine**, 1976, Moench, Robert H., and Hildreth, Carol T., U. S. Geological Survey, Geologic Quadrangle Map, GQ-1272, color map, scale 1:62,500. \$4.00 [PDF](#)
- GM-5 **Geologic map of the Skowhegan [15-minute] quadrangle, Maine**, 1977, Ludman, Allan, 25 p. report, color map, cross section, scale 1:62,500. \$1.75 [PDF](#)
- GQ-1024 **Geologic map of the Smyrna Mills [15-minute] quadrangle, Aroostook County, Maine**, 1972, Pavlides, Louis, U. S. Geological Survey, Geologic Quadrangle Map GQ-1024, color map, scale 1:62,500. \$4.00 [PDF](#)
- GM-7 **Geologic maps of the Kingfield and Anson [15-minute] quadrangles, Maine**, 1979, Pankiwskyj, Kost A., 51 p. report and 2 color maps, scale 1:62,500. Printed copy unavailable [PDF](#)
- P-527 **Geological-geophysical investigations of bedrock in the Island Falls [15-minute] quadrangle, Aroostook and Penobscot Counties, Maine**, 1967, Ekren, E. B., and Frischknecht, Frank. C., U. S. Geological Survey, Professional Paper 527, 36 p. report, color map, scale 1:62,500. \$1.75 [PDF](#)
- B-1241-F **Geology and petrology of the Greenville [15-minute] quadrangle, Piscataquis and Somerset Counties, Maine**, 1967, Espenshade, Gilbert H., and Boudette, E. L., U. S. Geological Survey, Bulletin 1241-F, p. F1-F60, 60 p. report, scale 1:62,500. \$1.75 [PDF](#)
- I-2551 **Geology of northern Penobscot Bay, Maine, with contributions to geochronology**, 1998, Stewart, David B., and Tucker, Robert D., U.S. Geological Survey, Miscellaneous Investigations Series I-2551, , scale 1:62,500. Covers parts of the Blue Hill, Castine, Vinalhaven, and Deer Isle 15' quadrangles. Printed copy unavailable [PDF](#)
- B-1297 **Geology of the Attean quadrangle, Somerset County, Maine**, 1972, Albee, Arden L., and Boudette, Eugene L., U. S. Geological Survey, Bulletin 1297, 110 p. report, 3 maps, cross section, scale 1:62,500. \$5.00 [PDF](#)
- B-1206 **Geology of the Bridgewater [15-minute] quadrangle, Aroostook County, Maine with a section on geophysical surveys**, 1965, Pavlides, Louis, Griscom, Andrew, and Kane, Martin F., U. S. Geological Survey, Bulletin 1206, 72 p. report, 3 maps, scale 1:62,500. \$2.25 [PDF](#)
- B-16 **Geology of the Bryant Pond quadrangle, Maine**, 1965, Guidotti, Charles V., 116 p. report, map, cross section, scale 1:62,500. \$6.00 [PDF](#)
- GQ-330 **Geology of the Greenville [15-minute] quadrangle, Maine**, 1964, Espenshade, Gilbert H., and Boudette, E. L., U. S. Geological Survey, Geologic Quadrangle Map, GQ-330, color map, scale 1:62,500. \$4.00 [PDF](#)
- B-21 **Geology of the Moose River and Roach River synclinoria, northwestern Maine**, 1969, Boucot, Arthur J., and Heath, Edward W., 117 p. report, 8 figs., 5 tables, 1 app., 30 plates, cross section, scale 1:62,500. Describes stratigraphy, paleontology, intrusive rocks, metamorphism, and structure. Plates include reconnaissance maps, cross sections, stratigraphic columns, and fossil localities. Includes appendix of fossil localities in the area. Covers parts of the North East Carry, Ragged Lake, Attean, Long Pond, Brassua Lake, Moosehead Lake, First Roach Pond, Spencer Lake, Pierce Pond, and The Forks 15' quadrangles. \$5.00 [PDF](#)

## BEDROCK GEOLOGY

- B-1340 **Geology of the Moxie pluton in the Moosehead Lake-Jo-Mary Mountain area, Piscataquis County, Maine, 1972**, Espenshade, Gilbert H., U. S. Geological Survey, Bulletin 1340, 40 p. report, 3 color maps, cross sections, scale 1:62,500. Includes parts of Moosehead Lake, First Roach Pond, and Jo-Mary Mtn 15' quadrangles. \$4.50 [PDF](#)
- 77-2 **Geology of the Oquossoc 15' quadrangle, west-central Maine, 1977**, Guidotti, Charles W., 26 p. report and map, scale 1:62,500. \$6.00 [PDF](#)
- B-24 **Metamorphic stratigraphy, petrology, and structural geology of the Little Bigelow Mountain map area, western Maine, 1973**, Boone, Gary McG., 136 p. report, color map, cross section, scale 1:62,500. Includes part of the Bingham 15' quadrangle. \$5.00 [PDF](#)
- 79-15 **Preliminary bedrock geology of the Poland 15' quadrangle, Maine, 1979**, Creasy, John W., 18 p. report and 2 maps, scale 1:62,500. \$9.50 [PDF](#)
- 79-1 **Preliminary bedrock geology of the Spencer Lake 15' quadrangle, Maine, 1979**, Burroughs, William A., 12 p. report and map, scale 1:62,500. \$5.50 [PDF](#)
- 76-29 **Preliminary report on the geology of the Liberty 15' quadrangle and adjoining parts of the Burnham, Brooks, Belfast, and Vassalboro [15-minute] quadrangles in south-central Maine, 1976**, Pankiowskyj, Kost A., 8 p. report and map, scale 1:62,500. \$6.00 [PDF](#)
- 76-23 **Reconnaissance bedrock geology of the Bangor [15-minute] quadrangle, 1976**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 81-32 **Reconnaissance bedrock geology of the Bath and Small Point [15-minute] quadrangles, Maine, 1981**, Hussey, Arthur M., 1 plate, geologic map, scale 1:62,500. \$4.00 [PDF](#)
- 71-7 **Reconnaissance bedrock geology of the Boyd Lake [15-minute] quadrangle, Maine, 1971**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 78-18 **Reconnaissance bedrock geology of the Buckfield [15-minute] quadrangle, Maine, 1978**, Pankiowskyj, Kost A., map, scale 1:62,500. \$4.00 [PDF](#)
- 81-31 **Reconnaissance bedrock geology of the Casco Bay [15-minute] quadrangle, Maine, 1981**, Hussey, Arthur M., map, scale 1:62,500. \$4.00 [PDF](#)
- 61-2 **Reconnaissance bedrock geology of the Cherryfield [15-minute] quadrangle, Maine, 1961**, Gilman, Richard A., map, scale 1:62,500. \$4.00 [PDF](#)
- 78-15 **Reconnaissance bedrock geology of the Dixfield [15-minute] quadrangle, Maine, 1978**, Pankiowskyj, Kost A., map, scale 1:62,500. \$4.00 [PDF](#)
- 71-8 **Reconnaissance bedrock geology of the Dover-Foxcroft [15-minute] quadrangle, Maine, 1971**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 78-16 **Reconnaissance bedrock geology of the Farmington [15-minute] quadrangle, Maine, 1978**, Pankiowskyj, Kost A., map, scale 1:62,500. \$4.00 [PDF](#)
- 81-30 **Reconnaissance bedrock geology of the Freeport 15' quadrangle, Maine, 1981**, Hussey, Arthur M., map, scale 1:62,500. \$4.00 [PDF](#)
- 78-3 **Reconnaissance bedrock geology of the Gardner Lake [15-minute] quadrangle, Maine, 1978**, Gates, Olcott, map, scale 1:62,500. \$4.00 [PDF](#)
- 76-22 **Reconnaissance bedrock geology of the Great Pond [15-minute] quadrangle, Maine, 1976**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 71-5 **Reconnaissance bedrock geology of the Guilford [15-minute] quadrangle, Maine, 1971**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 78-19 **Reconnaissance bedrock geology of the Livermore [15-minute] quadrangle, Maine, 1978**, Pankiowskyj, Kost A., map, scale 1:62,500. \$4.00 [PDF](#)
- 78-17 **Reconnaissance bedrock geology of the Norridgewock [15-minute] quadrangle, Maine, 1978**, Pankiowskyj, Kost A., map, scale 1:62,500. \$4.00 [PDF](#)
- 81-45 **Reconnaissance bedrock geology of the northern part of the Buckfield [15-minute] quadrangle and adjoining Dixfield [15-minute] quadrangle, 1981**, Pankiowskyj, Kost A., map, scale 1:62,500. \$4.00 [PDF](#)
- 76-21 **Reconnaissance bedrock geology of the Orono [15-minute] quadrangle, Maine, 1976**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 76-24 **Reconnaissance bedrock geology of the Passadumkeag [15-minute] quadrangle, Maine, 1976**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 71-3 **Reconnaissance bedrock geology of the Pittsfield [15-minute] quadrangle, Maine, 1971**, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)

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- B-15      **Reconnaissance bedrock geology of the Presque Isle quadrangle, Maine**, 1964, Boucot, Arthur J., Field, Michael T., Fletcher, Raymond, Forbes, William H., Naylor, Richard S., and Pavlides, Louis, scale 1:62,500. Printed copy unavailable [PDF](#)
- 76-19     **Reconnaissance bedrock geology of the Saponac [15-minute] quadrangle, Maine**, 1976, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 71-2      **Reconnaissance bedrock geology of the Schoodic [15-minute] quadrangle, Maine**, 1971, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 71-4      **Reconnaissance bedrock geology of the Sebec [15-minute] quadrangle, Maine**, 1971, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 71-6      **Reconnaissance bedrock geology of the Sebec Lake [15-minute] quadrangle, Maine**, 1971, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 81-46     **Reconnaissance bedrock geology of the Sherman, Mattawamkeag, and Millinocket 15' quadrangles, Maine**, 1981, Roy, David C., 18 p. report and 3 maps, scale 1:62,500. \$13.50 [PDF](#)
- 71-1      **Reconnaissance bedrock geology of the Stetson [15-minute] quadrangle, Maine**, 1971, Griffin, John R., map, scale 1:62,500. \$4.00 [PDF](#)
- 81-10     **Reconnaissance bedrock geology of the The Forks [15-minute] quadrangle, Maine**, 1981, Burroughs, William and Marvinney, Robert G., map, scale 1:62,500. \$4.00 [PDF](#)
- 81-90     **Reconnaissance bedrock geology of the Wesley [15-minute] quadrangle, Maine**, 1981, Westerman, David S., map, scale 1:62,500. \$4.00 [PDF](#)
- 90-42     **Revised bedrock geology of the Danforth, Scraggly Lake, Forest, Waite, Vanceboro, and Kellyland 15' quadrangles, Maine: report of mapping progress, June - August, 1989**, 1990, Ludman, Allan, 20 p. report and map, scale 1:62,500. \$6.50 [PDF](#)
- B-22      **Stratigraphy of the southern end of the Munsungun anticlinorium, Maine**, 1970, Hall, Bradford A., 63 p. report, 12 figs., 1 table, 1 app., 1 plate, color map, cross section, scale 1:62,500. Includes appendix on fossil localities in southern end of Munsungun anticlinorium. Covers parts of the Umsaskis Lake, Musquacook Lakes, Churchill Lake, Spider Lake, Chesuncook, and Telos Lake 15' quadrangles. \$5.00 [PDF](#)
- B-20      **Stratigraphy, structural geology, and metamorphism of the Waterville-Vassalboro area, Maine**, 1968, Osberg, Philip H., 64 p. report, color map, cross section, scale 1:62,500. Includes parts of Norridgewock, Waterville, Augusta, and Vassalboro 15' quads. \$2.00 [PDF](#)
- 90-25b    **Tectonic fabrics of the Passadumkeag River pluton, Bottle Lake complex, Springfield and Scraggly Lake 15-minute quadrangles**, 1990, Hopeck, John T., 7 p. report, 4 figs., map, scale 1:62,500. Discussion of brittle and ductile shear fabrics and relation to Late Acadian tectonics in eastern Maine. Includes bedrock geologic map. \$5.00 [PDF](#)
- B-14      **The geology of southern York County, Maine**, 1962, Hussey, Arthur M., II, 67 p. report, 3 plates, geologic map, cross section, scale 1:62,500. Printed copy unavailable [PDF](#)

### Bedrock Geology Maps (regional)

Publication No.    Title and Description

- B-43      **A guide to the geology of Baxter State Park and Katahdin**, 2010, Rankin, Douglas W., and Caldwell, Dabney W., 80 p., 2 color maps, scale 1:100,000. Popular guide to the geology of Baxter State Park and Mount Katahdin. Describes the geological processes recorded in bedrock and glacial materials that produced the dramatic landscape of the Park. Includes color surficial geology and bedrock geology maps of Baxter State Park. Five recommended geological hikes help the reader explore and understand the geology of this spectacular area. \$8.00
- BGMM     **Bedrock geologic map of Maine**, 1985, Osberg, Philip H., Hussey, Arthur M., II, and Boone, Gary M. (editors), 1 plate, correlation chart, tectonic inset map, metamorphic inset map, color geologic map, cross sections, scale 1:500,000. A 42" x 57", a color wall map showing the bedrock geology of Maine. Ages of rocks in color, lithologies differentiated by patterns, inset map of tectonic features, map of metamorphic zones, correlation chart, and extensive reference list. \$5.00 [PDF](#)
- 18-16     **Bedrock geology of Mount Desert Island**, 2018, Braun, Duane D., map, scale 1:30,000. \$8.00 [PDF](#)
- 01-352    **Bedrock geology of North Haven and Vinalhaven Islands**, 2001, Gates, Olcott, color map, cross section, scale 1:24,000. \$6.00 [PDF](#)
- 01-373    **Bedrock geology of North Haven and Vinalhaven Islands**, 2001, Gates, Olcott, 28 p. report, Accompanies Open-File Map 01-352. \$2.00 [PDF](#)
- 02-152    **Bedrock geology of the Bath 1:100,000 quadrangle, Maine**, 2002, Hussey, Arthur M., II, and Marvinney, Robert G., 1 plate, photographs, color map, cross section, scale 1:100,000. \$6.00 [PDF](#)
- 03-97     **Bedrock geology of the Calais 1:100,000 quadrangle, Maine**, 2003, Ludman, Allan, and Berry, Henry N., IV, color map, scale 1:100,000. \$6.00 [PDF](#)

## BEDROCK GEOLOGY

- 82-30 **Bedrock geology of the Fredericton 2-degree quadrangle, Maine**, 1982, Ludman, Allan, 16 p. report, 3 figs., map, scale 1:250,000. Discusses stratigraphy, deformation history, and fault systems. \$5.50 [PDF](#)
- 16-6 **Bedrock geology of the Kittery 1:100,000 quadrangle, Maine and New Hampshire**, 2016, Hussey, Arthur M., II, Bothner, Wallace A., and Thompson, Peter J., 1 plate, photographs, color map, cross section, correlation diagram, scale 1:100,000. \$6.00 [PDF](#)
- 81-29 **Bedrock geology of the lower Androscoggin Valley-Casco Bay area, Maine**, 1981, Hussey, Arthur M., II, 25 p. report, 4 figures, 1 table, 1 plate, geologic map, scale 1:250,000. Description of stratigraphy, intrusive rocks, structure, and metamorphism. \$6.00 [PDF](#)
- 98-1 **Bedrock geology of the Portland 1:100,000 quadrangle, Maine and New Hampshire**, 1998, Berry, Henry N., IV, and Hussey, Arthur M., II, 1 plate, color map, scale 1:100,000. \$5.00 [PDF](#)
- 81-2 **Bedrock geology of the State of Maine portion of the Sherbrooke 2-degree quadrangle (1980) and transverse faults in the east central part of the Sherbrooke quadrangle (1981)**, 1981, Boone, Gary M., 11 p. report, map, scale 1:250,000. Contains 2 reports emphasizing structure of region. \$5.50 [PDF](#)
- 82-29 **Brittle fractures in the Eastport 2-degree sheet, Maine**, 1982, Gates, Olcott, 15 p. report, 1 fig, map, scale 1:250,000. Discusses faults and other brittle fractures. \$5.50 [PDF](#)
- P-1320 **Field relations, crystallization, and petrology of reversely zoned granitic plutons in the Bottle Lake Complex, Maine**, 1984, Ayuso, Robert A., U. S. Geological Survey, Professional Paper 1320, 58 p. report, map, scale 1:125,000. \$3.75 [PDF](#)
- GP-312 **Geologic and aeromagnetic map of northern Maine**, 1964, Boucot, Arthur J., Griscom, Andrew, and Allingham, John W., U. S. Geological Survey, Geophysical Investigations Map GP-312, 58 p. report and color map, scale 1:250,000. \$4.00 [PDF](#)
- I-2360 **Geologic map of the Lucerne Granite, Hancock and Penobscot Counties, Maine**, 1993, Wones, David R., and Ayuso, Robert A., U.S. Geological Survey, Miscellaneous Investigations Series I-2360, map, scale 1:125,000. \$4.00 [Online Edition](#)
- I-1898-D **Geologic map of the Sherbrooke-Lewiston area, Maine, New Hampshire, and Vermont, United States, and Quebec, Canada**, 1995, Moench, Robert H., Boone, Gary M., Bothner, Wallace A., Boudette, Eugene L., Hatch, Norman L., Jr., Hussey, Arthur M., II, Marvinney, Robert G., and Aleinikoff, John. N., U.S. Geological Survey, Miscellaneous Investigations Series Map I-1898-D, 2 sheets, 56 p. pamphlet, scale 1:250,000. Printed copy unavailable [PDF](#)
- 80-36 **Geologic structure of the Chain of Ponds pluton and vicinity, northwestern Maine**, 1980, Westerman, David S., 34 p. report 11 figs., map, scale 1:50,000. Discussion of structure, contour diagrams of faults and fractures. \$6.00 [PDF](#)
- B-21 **Geology of the Moose River and Roach River synclinoria, northwestern Maine**, 1969, Boucot, Arthur J., and Heath, Edward W., 117 p. report, 8 figs., 5 tables, 1 app., 30 plates, cross section, scale 1:62,500. Describes stratigraphy, paleontology, intrusive rocks, metamorphism, and structure. Plates include reconnaissance maps, cross sections, stratigraphic columns, and fossil localities. Includes appendix of fossil localities in the area. Covers parts of the North East Carry, Ragged Lake, Attean, Long Pond, Brassua Lake, Moosehead Lake, First Roach Pond, Spencer Lake, Pierce Pond, and The Forks 15' quadrangles. \$5.00 [PDF](#)
- B-1340 **Geology of the Moxie pluton in the Moosehead Lake-Jo-Mary Mountain area, Piscataquis County, Maine**, 1972, Espenshade, Gilbert H., U. S. Geological Survey, Bulletin 1340, 40 p. report, 3 color maps, cross sections, scale 1:62,500. Includes parts of Moosehead Lake, First Roach Pond, and Jo-Mary Mtn 15' quadrangles. \$4.50 [PDF](#)
- PR-1 **Physical resources of Knox County, Maine**, 1974, Caswell, W. Bradford, Jr. (compiler), 63 p. report, 10 figs., 7 color plates, scale 1:125,000. Includes descriptive text and map showing bedrock geology, description of ground water geology and maps of well yield, well depth, bedrock surface topography, thickness of overburden, and piezometric surface. \$6.00 [PDF](#)
- B-19 **Reconnaissance and economic geology of the northwestern Knox County marble belt**, 1967, Cheney, Eric S., 32 p. report, 8 figs., 2 apps., 2 pl., cross section, scale 1:48,000. Describes regional geology, correlation, and structure. Includes a short section on the economic value of marble belts and ores in NW Knox County. Plates include a reconnaissance geologic map and a map of the Union marble belt. Covers parts of Liberty, Belfast, Waldoboro, and Rockland 15' quadrangles. \$0.75 [PDF](#)
- 79-25 **Report on field mapping in the Sherbrooke 2 degree quadrangle, northwestern Maine**, 1979, Westerman, David S., 8 p. report 1 fig., map, scale 1:24,000. Describes lithology and structure in the Northwest Boundary fault zone. Map shows cleavage and fracture foliation and joints. \$5.00 [PDF](#)
- SBGMM **Simplified bedrock geologic map of Maine**, 2002, Loiselle, Marc (cartographer), 11" x 17" color map, scale 1:2,000,000. Map showing the simplified bedrock geology of Maine. Inset maps show regional metamorphic zones and generalized Northern Appalachian geology. The map also includes a generalized geologic cross section. A table and text on the reverse describe the geologic history of Maine and how it relates to plate tectonics. \$0.50 [PDF](#)

## BEDROCK GEOLOGY

- B-1264 **Stratigraphic and facies relationships of the Carys Mills Formation of Ordovician and Silurian age, northeast Maine**, 1968, Pavlides, Louis, U. S. Geological Survey, Bulletin 1264, 44 p. report, color map, scale 1:250,000. \$1.75 [PDF](#)
- I-1898-E **Tectonic lithofacies, geophysical, and mineral-resource appraisal maps of the Sherbrooke-Lewiston area, Maine, New Hampshire, and Vermont, United States and Quebec, Canada**, 1999, Moench, Robert H., Boudette, Eugene L., and Bothner, Wallace, compilers, U. S. Geological Survey, Miscellaneous Investigations Series, Map I-1898E, 4 maps and 107 p. report, scale 1:250,000. \$18.00 [PDF](#)
- 85-87 **The bedrock geology of the Bath and Portland 2 degree map sheets, Maine**, 1985, Hussey, Arthur M., II, 82 p. report, 3 figs., 2 tables, 2 plates, maps, cross section, scale 1:250,000. Detailed description of stratigraphy, intrusive rocks, and structure. Maps of bedrock geology and tectonic features. \$12.10 [PDF](#)
- B-38 **The geology of Mount Desert Island; a visitor's guide to the geology of Acadia National Park**, 1988, Gilman, Richard A., Chapman, Carleton A., Lowell, Thomas V., and Borns, Harold W., Jr., 50 p., 28 figs., 2 color maps, scale 1:50,000. Popular guide to park geology. Includes color surficial and bedrock geology maps of Mount Desert Island and black-and-white maps of Isle au Haut and Schoodic Point. Printed copy unavailable [PDF](#)
- 84-10 **The geology of the Passamaquoddy Bay area, Maine and New Brunswick**, 1984, Gates, Olcott, 22 p. report, 5 figs., map, scale 1:125,000. Discussion of stratigraphy, intrusive rocks, structure, and geophysics. \$6.00 [PDF](#)

### Topical Reports on Maine Bedrock Geology

#### Publication No.    Title and Description

- B-41OL **A collector's guide to Maine mineral localities**, 2005, Thompson, Woodrow B., Joyner, Donald L., Woodman, Raymond G., and King, Vandall T., online edition, Identifies and describes mineral collecting localities and gives detailed directions to find each site. Includes a checklist of Maine minerals which lists the mineral name and the area found. Printed copy unavailable [PDF](#)
- B-43 **A guide to the geology of Baxter State Park and Katahdin**, 2010, Rankin, Douglas W., and Caldwell, Dabney W., 80 p., 2 color maps, scale 1:100,000. Popular guide to the geology of Baxter State Park and Mount Katahdin. Describes the geological processes recorded in bedrock and glacial materials that produced the dramatic landscape of the Park. Includes color surficial geology and bedrock geology maps of Baxter State Park. Five recommended geological hikes help the reader explore and understand the geology of this spectacular area. \$8.00
- MENAT **A Maine geological sketchbook**, 1995, Hughes, Laurie L., Neuman, Robert B., Borns, Harold W., Jr., and Kelley, Joseph T., *Maine Naturalist*, v. 3, no. 2, p. 61-80, 20 p., 9 figs. Article includes sketches and descriptions of glacial features at Mt. Katahdin and Pineo Ridge, Miles Beach at Reid State Park, and bedrock features at Marginal Way, Ogunquit; The Ledges, Baxter State Park; Schoodic Point, Acadia National Park; Mount Blue State Park; Kenduskeag Stream, Bangor; and central Aroostook County. \$1.00
- B-42 **Bedrock geology of the Bath 1:100,000 map sheet, coastal Maine**, 2002, Hussey, Arthur M., II, and Berry, Henry N., IV, 50 p. report, 58 figs, Describes stratified rock sequences, intrusive rocks, structural geology, and metamorphism of the Bath 1:100,000 map sheet. Accompanies Open-File Map 02-152. \$7.00 [PDF](#)
- 87-26 **Bedrock geology of the Camden Hills area, central coastal Maine**, 1987, Berry, Henry N., IV, 27 p. report, 5 figs., 2 maps, cross section, scale 1:16,400. Describes stratigraphy, igneous rocks, structure, and metamorphism. Maps include bedrock geology, tectonic and metamorphic features, and cross section. \$12.00 [PDF](#)
- 82-30 **Bedrock geology of the Fredericton 2-degree quadrangle, Maine**, 1982, Ludman, Allan, 16 p. report, 3 figs., map, scale 1:250,000. Discusses stratigraphy, deformation history, and fault systems. \$5.50 [PDF](#)
- B-45 **Bedrock geology of the Kittery 1:100,000 quadrangle, southwestern Maine and southeastern New Hampshire**, 2016, Hussey, Arthur M., II, Bothner, Wallace A., and Thompson, Peter J., 99 p. report, 83 figs., 3 tables, scale 1:100,000. Describes stratified rock sequences, intrusive rocks, structural geology, metamorphism, and geologic history of the Kittery 1:100,000 map sheet. Accompanies Open-File Map 16-6. \$7.00 [PDF](#)
- 81-29 **Bedrock geology of the lower Androscoggin Valley-Casco Bay area, Maine**, 1981, Hussey, Arthur M., II, 25 p. report, 4 figures, 1 table, 1 plate, geologic map, scale 1:250,000. Description of stratigraphy, intrusive rocks, structure, and metamorphism. \$6.00 [PDF](#)
- 03-92 **Bedrock geology of the mainland portion of the Newbury Neck and Salsbury Cove 7.5-minute quadrangles**, 2003, Reusch, Douglas N., 14 p. report, 22 figs. Accompanies Open-File Maps 02-162 and 03-91. \$3.00 [PDF](#)
- P-1184 **Bimodal Silurian and Lower Devonian volcanic rock assemblages in the Machias-Eastport area, Maine**, 1981, Gates, Olcott, and Moench, Robert H., U. S. Geological Survey, Professional Paper 1184, 32 p. report, \$4.50 [PDF](#)
- B-18 **Contributions to the geology of Maine**, 1966, Hall, Bradford A., Beck, Frederick M., Doyle, Robert G., Boucot, A. J., Harper, Charles, Rhea, Keith, and Gilman, Richard A., 77 p., 5 papers, Includes papers on mineralization of the south end of the Munsungun anticlinorium, Maine diatomite occurrences, the Owen Brook limestone prospect in Penobscot County, New Scotland depositional history of Beck Pond region, Silurian slide conglomerate in Addison. Printed copy unavailable [PDF](#)

## BEDROCK GEOLOGY

- 92-64 **Field relationships, petrology, structure, and intrusion history of the Waldoboro pluton granitoid complex, Maine, U.S.A.**, 1992, Sidle, William C., and Barton, Michael, 20 p. report, 23 figs., 3 tables, Discusses petrography, field relations, and structure of Waldoboro pluton complex. \$1.50 [PDF](#)
- P-362 **Geology and manganese deposits of the Maple and Hovey Mountains area, Aroostook County, Maine**, 1962, Pavlides, Louis, and Milton, Charles, U. S. Geological Survey, Professional Paper 362, 116 p., map, 7 plates, scale 1:48,000. \$8.25 [PDF](#)
- B-21 **Geology of the Moose River and Roach River synclinoria, northwestern Maine**, 1969, Boucot, Arthur J., and Heath, Edward W., 117 p. report, 8 figs., 5 tables, 1 app., 30 plates, cross section, scale 1:62,500. Describes stratigraphy, paleontology, intrusive rocks, metamorphism, and structure. Plates include reconnaissance maps, cross sections, stratigraphic columns, and fossil localities. Includes appendix of fossil localities in the area. Covers parts of the North East Carry, Ragged Lake, Attean, Long Pond, Brassua Lake, Moosehead Lake, First Roach Pond, Spencer Lake, Pierce Pond, and The Forks 15' quadrangles. \$5.00 [PDF](#)
- 92-60 **Geology of the Saddle Pond-Grand Lake Sebobeis region, north-central Maine**, 1992, Hibbard, James P., and Hall, Stephen A., 26 p. report, Describes stratigraphy, intrusive rocks, and structure. Includes small map of area (1:62500). \$2.00 [PDF](#)
- NEIGC16C **Guidebook for field trips along the Maine coast from Maquoit Bay to Muscongus Bay**, 2016, Berry, Henry N., IV, and West, David P., Jr. (editors), New England Intercollegiate Geological Conference, 108th Annual Meeting, October 14-16, 2016, Bath, Maine, 326 p, color, Printed copy unavailable [PDF](#)
- 18-5 **Interpretation of field magnetic survey and bedrock mapping to constrain contact of the Bottle Lake Complex near Passadumkeag Mountain, East-central Maine**, 2018, Eaton, Timothy T., and Ludman, Allan, 21 p. Printed copy unavailable [PDF](#)
- 15-10 **Legacy Mines in Maine**, 2015, Marvinney, Robert G. and Berry, Henry N., IV, 9 p. Printed copy unavailable [PDF](#)
- 72-1 **Mesozoic plutonic-volcanic rocks of the Newfield quadrangle, Maine**, 1972, Gilman, Richard A., 16 p. report, Description of five small discordant plutons. \$1.50 [PDF](#)
- MIN2HC **Mineralogy of Maine Volume 2: Mining History, Gems, and Geology (hardcover)**, 2000, King, Vandall T. (editor), 524 p., 45 color photos, 344 black-and-white photos, hardcover, This book is a collection of 16 articles with emphasis on the state's rich mining history, gem production, and geology. Topics include gem mining operations, the 1880's silver boom, meteorites, types of Maine gems, maps of known mineral localities in Maine. \$25.00
- MIN2SC **Mineralogy of Maine Volume 2: Mining History, Gems, and Geology (softcover)**, 2000, King, Vandall T. (editor), 524 p., 45 color photos, 344 black-and-white photos, softcover, This book is a collection of 16 articles with emphasis on the state's rich mining history, gem production, and geology. Topics include gem mining operations, the 1880's silver boom, meteorites, types of Maine gems, maps of known mineral localities in Maine. \$20.00
- MINESC **Mineralogy of Maine, Volume 1: Descriptive mineralogy**, 1994, King, Vandall T., and Foord, Eugene E., 418 p., 88 plates, 70 crystal diagrams and figures, softcover, A comprehensive listing of all known minerals found in Maine. Text includes locality names and extensive references to the discovery and abundance of Maine minerals. \$20.00
- B-40 **Neotectonics of Maine; studies in seismicity, crustal warping, and sea-level change**, 1989, Anderson, Walter A., and Borns, Harold W., Jr., 228 p., 133 figs. Includes technical papers on neotectonic activity in coastal Maine, geophysics of the Passamaquoddy Bay area, geology of southwestern coastal Maine, glaciomarine deltas related to crustal movements, inventory of salt marshes, Holocene sea-level change in coastal Maine, seismic reflection investigation of neotectonics of coastal Maine, archaeological evidence of coastal subsidence, postglacial bedrock faulting, geodetic evidence of crustal motion, geomechanical aspects of subsidence. \$5.00 [PDF](#)
- 15-9 **Overview of Maine Metallic Mineral Deposits and Mining**, 2015, Marvinney, Robert G., 10 p. Printed copy unavailable [PDF](#)
- PR-1 **Physical resources of Knox County, Maine**, 1974, Caswell, W. Bradford, Jr. (compiler), 63 p. report, 10 figs., 7 color plates, scale 1:125,000. Includes descriptive text and map showing bedrock geology, description of ground water geology and maps of well yield, well depth, bedrock surface topography, thickness of overburden, and piezometric surface. \$6.00 [PDF](#)
- 77-3 **Preliminary geologic survey of potential underground oil storage sites in Maine**, 1977, Guidotti, Charles V., and Gerber, Robert G., 25 p. report, 9 figs, 1 table, Brief description of twelve coastal plutons. \$2.00 [PDF](#)
- B-19 **Reconnaissance and economic geology of the northwestern Knox County marble belt**, 1967, Cheney, Eric S., 32 p. report, 8 figs., 2 apps., 2 pl., cross section, scale 1:48,000. Describes regional geology, correlation, and structure. Includes a short section on the economic value of marble belts and ores in NW Knox County. Plates include a reconnaissance geologic map and a map of the Union marble belt. Covers parts of Liberty, Belfast, Waldoboro, and Rockland 15' quadrangles. \$0.75 [PDF](#)



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- 91-3 **Reconnaissance bedrock geology of the Waldoboro Pluton Complex and other intrusive rocks in coastal Lincoln and Knox Counties, Maine**, 1991, Sidle, William C., 11 p. report, 4 figs., 3 tables, 2 maps, scale 1:24,000. Discusses geology of Waldoboro Pluton Complex and geology and chemical analyses of Meduncook-South Cushing area granitoids. \$9.50 [PDF](#)
- B-23 **Shorter contributions to Maine geology**, 1970, Andrews, Henry N., Kasper, Andrew E., Roy, David C., Forbes, William H., Pankiwskyj, Kost A., Boone, Gary M., Boucot, Arthur J., Fullagar, Paul D., Bottino, Michael L., Gilman, Richard A., and Hussey, Arthur M., II, 68 p., 8 papers, Papers on plant fossils of the Trout Valley Formation, Silurian fossils on Lawler Ridge, Limestone Hill in Somerset county, Fish River Lake Formation, Devonian slates in the northern Appalachians, Rb-Sr ages of Silurian-Devonian volcanics in eastern Maine, structure of Sawyer Mountain area, origin and development of the Wells Beach area. \$1.90 [PDF](#)
- 11-147 **Stratigraphy and structural geology of the Bangor and Veazie 7.5' quadrangles**, 2011, Pollock, Stephen G., 8 p. report, Accompanies Open-File Maps 11-57 and 11-58. \$1.00 [PDF](#)
- STUD1 **Studies in Maine geology: Volume 1 - Structure and stratigraphy**, 1988, Tucker, Robert D., and Marvinney, Robert G. (editors), 156 p., 84 figs., 10 papers with abstracts and references, Includes technical papers on C.T. Jackson, the lithotectonic stratigraphy of the Casco Bay region, early premetamorphic faults in western Maine, the shale-wacke sequence in south-central Maine, a Silurian unconformity at Flanders Bay, Devonian deltaic sedimentary environments of the Matagamon Sandstone, the occurrence of the crinoid *Rhodocrinites nortoni* (Goldring) in north-central Maine, plant paleontology in Maine, the seismic structure of the earth's crust underlying Maine, and an electron microscope study of the Vassalboro Formation. \$2.50 [PDF](#)
- STUD2 **Studies in Maine geology: Volume 2 - Structure and stratigraphy**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 200 p., 107 figs., 9 papers with abstracts and references, Includes technical papers on the stratigraphy of eastern Maine and western New Brunswick, description and tectonic significance of the Hurricane Mtn. mélange, the Depot Mtn. Formation in northwestern Maine, sedimentary facies and tectonic interpretation of the Carrabassett Formation, Silurian roundstone conglomerates of coastal Maine, polyphase deformation in the Penobscot Bay area, multiple folding in south-central Maine, thrust and strike-slip faults near Jackman, and geologic and geomechanical properties of the Mount Waldo granite. \$2.50 [PDF](#)
- STUD3 **Studies in Maine geology: Volume 3 - Igneous and metamorphic geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 130 p., 67 figs., 8 papers with abstracts and references, Includes technical papers on metamorphism in Maine, a thermal model for Carboniferous metamorphism near the Sebago batholith, Carboniferous Barrovian metamorphism in southern Maine, isotopic systematics and geochemistry of two-mica granites in northern New England, commingling of diverse magma types in the Flagstaff Lake Igneous Complex, Mesozoic dikes of southern coastal Maine, geochemical aspects of volcanic rocks in east Penobscot Bay, and stream sediment geochemistry of the Attean quartz monzonite. \$2.50 [PDF](#)
- STUD4 **Studies in Maine geology: Volume 4 - Igneous and metamorphic geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 175 p., 91 figs., 11 papers with abstracts and references, Includes technical papers on plutonism in the coastal Maine magmatic province, commingled gabbroic and granitic magmas in the northern Bays-of-Maine igneous complex, geochemistry of the granite-gabbro complex on Vinalhaven Island, geology and geochemistry of the Rattlesnake Mtn. igneous complex, Mesozoic stocks in the Newfield quadrangle, petrographic and geochemical variations within the Songo pluton, geochronology of the Songo pluton, isotopic dating of the Horserace quartz diorite, regional significance of the Chain Lakes massif, geochemistry of the Catheart Mtn. porphyry copper deposit, and multiple thermal metamorphism of the Digdeguash Formation in the contact aureole of the Pocomoonshine gabbro-diorite. \$2.50 [PDF](#)
- 85-87 **The bedrock geology of the Bath and Portland 2 degree map sheets, Maine**, 1985, Hussey, Arthur M., II, 82 p. report, 3 figs., 2 tables, 2 plates, maps, cross section, scale 1:250,000. Detailed description of stratigraphy, intrusive rocks, and structure. Maps of bedrock geology and tectonic features. \$12.10 [PDF](#)
- OGUN **The geological story of Ogunquit, Maine**, 2000, Hussey, Arthur M., II, The Village Press, Freeport, Maine, 33 p. report, 20 figs., geologic maps, Popular guide to geology of Marginal Way area in Ogunquit. Written in non-technical style. \$8.00
- B-17 **The geology of Mount Blue State Park**, 1965, Pankiwskyj, Kost A., 22 p., 12 figs., 1 plate, Popular guide to park geology, geologic history, objects of geologic interest. \$0.50 [PDF](#)
- B-38 **The geology of Mount Desert Island; a visitor's guide to the geology of Acadia National Park**, 1988, Gilman, Richard A., Chapman, Carleton A., Lowell, Thomas V., and Borns, Harold W., Jr., 50 p., 28 figs., 2 color maps, scale 1:50,000. Popular guide to park geology. Includes color surficial and bedrock geology maps of Mount Desert Island and black-and-white maps of Isle au Haut and Schoodic Point. Printed copy unavailable [PDF](#)
- B-11 **The geology of Sebago Lake State Park**, 1959, Bloom, Arthur Leroy, 24 p., 11 figs., 3 plates, Popular guide to park geology, geologic history, features of geologic interest. \$0.75 [PDF](#)
- B-14 **The geology of southern York County, Maine**, 1962, Hussey, Arthur M., II, 67 p. report, 3 plates, geologic map, cross section, scale 1:62,500. Printed copy unavailable [PDF](#)

## BEDROCK GEOLOGY

- B-13 **The geology of the Cutler and Moose River quadrangles, Washington County, Maine**, 1961, Gates, Olcott, scale 1:24,000. Printed copy unavailable [PDF](#)
- 84-10 **The geology of the Passamaquoddy Bay area, Maine and New Brunswick**, 1984, Gates, Olcott, 22 p. report, 5 figs., map, scale 1:125,000. Discussion of stratigraphy, intrusive rocks, structure, and geophysics. \$6.00 [PDF](#)
- B-26 **The geology of the Two Lights and Crescent Beach State Parks area, Cape Elizabeth, Maine**, 1982, Hussey, Arthur M., II, 34 p. Popular guide to park geology, geologic history, features of geologic interest. Printed copy unavailable [PDF](#)

### Field Trips

#### Publication No. Title and Description

- NEIGC16C **Guidebook for field trips along the Maine coast from Maquoit Bay to Muscongus Bay**, 2016, Berry, Henry N., IV, and West, David P., Jr. (editors), New England Intercollegiate Geological Conference, 108th Annual Meeting, October 14-16, 2016, Bath, Maine, 326 p, color, Printed copy unavailable [PDF](#)
- NEIGC94 **Guidebook to field trips in north-central Maine: New England Intercollegiate Geological Conference 85th Annual Meeting, 1994**, 1994, Hanson, Lindley S. (editor), Caldwell, Dabney W. (co-organizer), New England Intercollegiate Geological Conference 85th Annual Meeting: Guidebook to Field Trips in North-Central Maine, September 23-25, 1994, Millinocket, Maine, 268 p., 82 figs., 11 tables, Includes papers on glacial geology and geomorphology of Penobscot River valley, glaciation of Mount Katahdin, Carrabassett formation, Miramichi anticlinorium, formations near Seboomook Lake, Piscataquis volcanic belt, Shin Pond-Traveler Mountain region, Weeksboro-Lunksoos Lake anticline, chert in Munsungan Lake Formation, Ripogenus Gorge, Matagamon Sandstone, Borestone Mountain, Monson-Greenville area, and Abbot Breccia. \$5.00
- NEIGC95 **Guidebook to field trips in southern Maine and adjacent New Hampshire**, 1995, Hussey, Arthur M., II, and Johnston, Robert A. (editors), New England Intercollegiate Geological Conference, 87th annual meeting, October 6-8, 1995, Brunswick, Maine, 314 p., 105 figs, Includes papers on hydrogeology of Belgrade Lakes region, arsenic in ground water, hydrogeology and environmental geology of Gray delta, glaciomarine deposits of Casco Bay sublobe, barriers and inlets of Southern Maine, shear strain in Casco Bay area, terrane in Northern Penobscot Bay, Norumbega fault zone, Acadian suture, metapelite rocks in Casco Bay, coastal lithotectonic belt, Sebago batholith, granite in Topsham-Brunswick area, brittle strike-slip faults, impact of sea level rise on prehistoric human occupation of central Maine coast. \$18.00

### Bedrock Structure

#### Publication No. Title and Description

- 83-6 **Analysis of structural features in southern Piscataquis County, Maine**, 1983, Newberg, Donald W., 17 p. report, 8 figs, Analysis of structural features, kink band folding, and joints. \$1.50 [PDF](#)
- 81-2 **Bedrock geology of the State of Maine portion of the Sherbrooke 2-degree quadrangle (1980) and transverse faults in the east central part of the Sherbrooke quadrangle (1981)**, 1981, Boone, Gary M., 11 p. report, map, scale 1:250,000. Contains 2 reports emphasizing structure of region. \$5.50 [PDF](#)
- 82-29 **Brittle fractures in the Eastport 2-degree sheet, Maine**, 1982, Gates, Olcott, 15 p. report, 1 fig, map, scale 1:250,000. Discusses faults and other brittle fractures. \$5.50 [PDF](#)
- 85-72 **Faulting in the Grand Falls area, Kellyland 15-minute quadrangle, eastern Maine**, 1985, Ludman, Allan, 14 p. report, 8 figs. Discussion of structural features at two localities in the Grand Falls area. \$1.50 [PDF](#)
- 80-36 **Geologic structure of the Chain of Ponds pluton and vicinity, northwestern Maine**, 1980, Westerman, David S., 34 p. report 11 figs., map, scale 1:50,000. Discussion of structure, contour diagrams of faults and fractures. \$6.00 [PDF](#)
- I-2329 **Global Geoscience Transect 8; Quebec-Maine-Gulf of Maine Transect, southeastern Canada, northeastern United States of America**, 1993, Stewart, D. B., Wright, B. E., Unger, J. D., Phillips, J. D., Hutchinson, D. R., Luetgert, J. H., Bothner, W. A., Klitgord, K. D., Liberty, L. M., and Spencer, Carl P., U.S. Geological Survey, Miscellaneous Investigations Series I-2329, 17 p. report and map, scale 1:1,000,000. \$4.00 [PDF](#)
- 90-25d **Processing and preliminary interpretation of Bottle Lake seismic reflection data**, 1990, Costain, John K., Domoracki, William J., and Coruh, Cahit, 17 p. report, 4 plates, Printed copy unavailable [PDF](#)
- 80-35 **Report on bedrock and brittle fracture mapping in the Dover-Foxcroft/Dexter area, central Maine**, 1980, Westerman, David S., 14 p. report, 8 figs. Discussion of fractures. \$1.50 [PDF](#)
- 81-89 **Report on brittle fracture and bedrock mapping in the Bangor-Brooks-Stetson area of the Bangor 2-degree quadrangle, Maine**, 1981, Westerman, David S., 13 p. report, 6 figs. Lineament and small-scale brittle fracture analysis. \$1.50 [PDF](#)
- 79-25 **Report on field mapping in the Sherbrooke 2 degree quadrangle, northwestern Maine**, 1979, Westerman, David S., 8 p. report 1 fig., map, scale 1:24,000. Describes lithology and structure in the Northwest Boundary fault zone. Map shows cleavage and fracture foliation and joints. \$5.00 [PDF](#)

## BEDROCK GEOLOGY

- 83-7 **Structural analysis of the Guilford, Dover-Foxcroft, and Boyd Lake 15-minute quadrangles, south-central Maine**, 1983, Westerman, David S., 22 p. report, 11 figs. Analysis of structural features. \$2.00 [PDF](#)
- 81-3 **Structural characteristics of the Northwestern Boundary fault in northern Franklin and Somerset Counties, Maine**, 1981, Boone, Gary M., 8 p. report, 6 figs. Description of structural features in 6 localities. \$1.00 [PDF](#)
- 96-2 **Structure and stratigraphy across the Hackmatack Pond Fault, Kennebec and Waldo Counties, Maine**, 1996, Pankiwskyj, Kost A., 15 p. report, 2 maps, scale 1:24,000. \$11.50 [PDF](#)
- 90-25b **Tectonic fabrics of the Passadumkeag River pluton, Bottle Lake complex, Springfield and Scraggly Lake 15-minute quadrangles**, 1990, Hopeck, John T., 7 p. report, 4 figs., map, scale 1:62,500. Discussion of brittle and ductile shear fabrics and relation to Late Acadian tectonics in eastern Maine. Includes bedrock geologic map. \$5.00 [PDF](#)

### State and National Park Publications

#### Publication No.    Title and Description

- B-43 **A guide to the geology of Baxter State Park and Katahdin**, 2010, Rankin, Douglas W., and Caldwell, Dabney W., 80 p., 2 color maps, scale 1:100,000. Popular guide to the geology of Baxter State Park and Mount Katahdin. Describes the geological processes recorded in bedrock and glacial materials that produced the dramatic landscape of the Park. Includes color surficial geology and bedrock geology maps of Baxter State Park. Five recommended geological hikes help the reader explore and understand the geology of this spectacular area. \$8.00
- B-17 **The geology of Mount Blue State Park**, 1965, Pankiwskyj, Kost A., 22 p., 12 figs., 1 plate, Popular guide to park geology, geologic history, objects of geologic interest. \$0.50 [PDF](#)
- B-38 **The geology of Mount Desert Island; a visitor's guide to the geology of Acadia National Park**, 1988, Gilman, Richard A., Chapman, Carleton A., Lowell, Thomas V., and Borns, Harold W., Jr., 50 p., 28 figs., 2 color maps, scale 1:50,000. Popular guide to park geology. Includes color surficial and bedrock geology maps of Mount Desert Island and black-and-white maps of Isle au Haut and Schoodic Point. Printed copy unavailable [PDF](#)
- B-11 **The geology of Sebago Lake State Park**, 1959, Bloom, Arthur Leroy, 24 p., 11 figs., 3 plates, Popular guide to park geology, geologic history, features of geologic interest. \$0.75 [PDF](#)
- B-26 **The geology of the Two Lights and Crescent Beach State Parks area, Cape Elizabeth, Maine**, 1982, Hussey, Arthur M., II, 34 p. Popular guide to park geology, geologic history, features of geologic interest. Printed copy unavailable [PDF](#)

## ECONOMIC GEOLOGY

### **Mineral Resources and Mining**

#### Mineral Resource Reference Maps

These maps show locations of mineral occurrences - mines, quarries, and prospects. A listing of localities on each map gives references for further information.

#### Publication No. Title and Description

MRRM-1	<b>Mineral resources of Maine - Bangor sheet</b> , 1957, Rand, John R., map, scale 1:250,000. \$0.50 <a href="#">PDF</a>
MRRM-2	<b>Mineral resources of Maine - Lewiston sheet</b> , 1959, Doyle, Robert G., map, scale 1:250,000. \$0.50 <a href="#">PDF</a>
MRRM-3	<b>Mineral resources of Maine - Portland-Bath sheet</b> , 1959, Doyle, Robert G., map, scale 1:250,000. \$0.50 <a href="#">PDF</a>

#### Reports

#### Publication No. Title and Description

B-18	<b>Contributions to the geology of Maine</b> , 1966, Hall, Bradford A., Beck, Frederick M., Doyle, Robert G., Boucot, A. J., Harper, Charles, Rhea, Keith, and Gilman, Richard A., 77 p., 5 papers, Includes papers on mineralization of the south end of the Munsungun anticlinorium, Maine diatomite occurrences, the Owen Brook limestone prospect in Penobscot County, New Scotland depositional history of Beck Pond region, Silurian slide conglomerate in Addison. Printed copy unavailable <a href="#">PDF</a>
80-14c	<b>Evaluation of the mineral potential, upper St. John River valley, Aroostook County, Maine: Appendix B: Geochemistry</b> , 1980, North American Exploration Inc., 26 p. report, 4 tables, 2 maps, 1 plate, Analysis of 1100 samples for cold-extractable heavy metals and copper. Maps show locations of sample sites and concentrations of metals. \$13.25 <a href="#">PDF</a>
80-14d	<b>Evaluation of the mineral potential, upper St. John River valley, Aroostook County, Maine: Appendix D: Geophysics</b> , 1980, North American Exploration, Inc., 3 p., 4 plates, Magnetometer traverses of study area. \$16.00 <a href="#">PDF</a>
P-362	<b>Geology and manganese deposits of the Maple and Hovey Mountains area, Aroostook County, Maine</b> , 1962, Pavlides, Louis, and Milton, Charles, U. S. Geological Survey, Professional Paper 362, 116 p., map, 7 plates, scale 1:48,000. \$8.25 <a href="#">PDF</a>
15-10	<b>Legacy Mines in Maine</b> , 2015, Marvinney, Robert G. and Berry, Henry N., IV, 9 p. Printed copy unavailable <a href="#">PDF</a>
MIN2HC	<b>Mineralogy of Maine Volume 2: Mining History, Gems, and Geology (hardcover)</b> , 2000, King, Vandall T. (editor), 524 p., 45 color photos, 344 black-and-white photos, hardcover, This book is a collection of 16 articles with emphasis on the state's rich mining history, gem production, and geology. Topics include gem mining operations, the 1880's silver boom, meteorites, types of Maine gems, maps of known mineral localities in Maine. \$25.00
MIN2SC	<b>Mineralogy of Maine Volume 2: Mining History, Gems, and Geology (softcover)</b> , 2000, King, Vandall T. (editor), 524 p., 45 color photos, 344 black-and-white photos, softcover, This book is a collection of 16 articles with emphasis on the state's rich mining history, gem production, and geology. Topics include gem mining operations, the 1880's silver boom, meteorites, types of Maine gems, maps of known mineral localities in Maine. \$20.00
MINESC	<b>Mineralogy of Maine, Volume 1: Descriptive mineralogy</b> , 1994, King, Vandall T., and Foord, Eugene E., 418 p., 88 plates, 70 crystal diagrams and figures, softcover, A comprehensive listing of all known minerals found in Maine. Text includes locality names and extensive references to the discovery and abundance of Maine minerals. \$20.00
91-7	<b>Mining in Maine: past, present, and future</b> , 1991, Lepage, Carolyn A., Foley, Michael E., and Thompson, Woodrow B., 9 p. History of mining in Maine from early 1800's to the present. \$1.00 <a href="#">PDF</a>
15-9	<b>Overview of Maine Metallic Mineral Deposits and Mining</b> , 2015, Marvinney, Robert G., 10 p. Printed copy unavailable <a href="#">PDF</a>
77-3	<b>Preliminary geologic survey of potential underground oil storage sites in Maine</b> , 1977, Guidotti, Charles V., and Gerber, Robert G., 25 p. report, 9 figs, 1 table, Brief description of twelve coastal plutons. \$2.00 <a href="#">PDF</a>
B-19	<b>Reconnaissance and economic geology of the northwestern Knox County marble belt</b> , 1967, Cheney, Eric S., 32 p. report, 8 figs., 2 apps., 2 pl., cross section, scale 1:48,000. Describes regional geology, correlation, and structure. Includes a short section on the economic value of marble belts and ores in NW Knox County. Plates include a reconnaissance geologic map and a map of the Union marble belt. Covers parts of Liberty, Belfast, Waldoboro, and Rockland 15' quadrangles. \$0.75 <a href="#">PDF</a>
91-1	<b>Response of balsam fir and red spruce trees to copper and molybdenum-rich soils at Catheart Mountain, Somerset County, Maine</b> , 1991, Canney, Frank C., and Nowland, Gary A., 7 p., 7 figs. Describes biogeochemical techniques and their utility for identifying molybdenum-bearing deposits. \$1.00 <a href="#">PDF</a>

## ECONOMIC GEOLOGY

- STUD3 **Studies in Maine geology: Volume 3 - Igneous and metamorphic geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 130 p., 67 figs., 8 papers with abstracts and references, Includes technical papers on metamorphism in Maine, a thermal model for Carboniferous metamorphism near the Sebago batholith, Carboniferous Barrovian metamorphism in southern Maine, isotopic systematics and geochemistry of two-mica granites in northern New England, commingling of diverse magma types in the Flagstaff Lake Igneous Complex, Mesozoic dikes of southern coastal Maine, geochemical aspects of volcanic rocks in east Penobscot Bay, and stream sediment geochemistry of the Attean quartz monzonite. \$2.50 [PDF](#)
- STUD4 **Studies in Maine geology: Volume 4 - Igneous and metamorphic geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 175 p., 91 figs., 11 papers with abstracts and references, Includes technical papers on plutonism in the coastal Maine magmatic province, commingled gabbroic and granitic magmas in the northern Bays-of-Maine igneous complex, geochemistry of the granite-gabbro complex on Vinalhaven Island, geology and geochemistry of the Rattlesnake Mtn. igneous complex, Mesozoic stocks in the Newfield quadrangle, petrographic and geochemical variations within the Songo pluton, geochronology of the Songo pluton, isotopic dating of the Horseshoe quartz diorite, regional significance of the Chain Lakes massif, geochemistry of the Catheart Mtn. porphyry copper deposit, and multiple thermal metamorphism of the Digdeguash Formation in the contact aureole of the Pocomoonshine gabbro-diorite. \$2.50 [PDF](#)

### USGS Stream Sediment Studies

#### Publication No. Title and Description

- MF-278 **Heavy metals in stream sediment, west-central Maine**, 1964, Post, Edwin V., and Hite, John B., U. S. Geological Survey, Mineral Investigations Field Studies Map MF-278, map, scale 1:250,000. \$4.00
- MF-301 **Map of southeastern Maine showing heavy metals in stream sediments**, 1967, Post, Edwin V., Lehmbeck, William L., Dennen, William H., and Nowlan, Gary A., U. S. Geological Survey, Mineral Investigations Field Studies Map MF-301, map, descriptive text, references, scale 1:250,000. \$4.00 [PDF](#)
- I-1898-A **Maps showing the distribution of chromium, molybdenum, and uranium in stream sediments, Sherbrooke and Lewiston 1 x 2 degree quadrangles, Maine, New Hampshire, and Vermont**, 1990, Nowlan, Gary A., Howd, Frank H., Canney, Frank C., and Domenico, James A., U. S. Geological Survey, Miscellaneous Investigations Series Map I-1898A, 2 maps, descriptive text, scale 1:250,000. \$4.00 [PDF](#)
- I-1898-B **Maps showing the distribution of copper, lead, and zinc in stream sediments, Sherbrooke and Lewiston 1 x 2 degree quadrangles, Maine, New Hampshire, and Vermont**, 1990, Nowlan, Gary A., Howd, Frank H., Canney, Frank C., and Domenico, James A., U. S. Geological Survey, Miscellaneous Investigations Series Map I-1898B, 2 maps, descriptive text, scale 1:250,000. \$4.00 [PDF](#)
- I-1898-C **Maps showing the distribution of tin, tungsten, arsenic, gold, and silver in nonmagnetic heavy-mineral concentrates derived from stream sediments, Sherbrooke and Lewiston 1 x 2 degree quadrangles, Maine, New Hampshire, and Vermont**, 1990, Nowlan, Gary A., Howd, Frank H., Canney, Frank C., and Domenico, James A., U. S. Geological Survey, Miscellaneous Investigations Series Map I-1898C, 2 maps, descriptive text-out of print, scale 1:250,000. Printed copy unavailable [PDF](#)

### **Peat**

#### Maine Peat Resource Evaluations Maps (2-color)

The peat resource maps locate peat deposits and list the physiographic form, surface area, and estimated resources of each deposit. Price per map: \$4.00. Peat resource evaluation maps are also available online as PDF files.

#### Publication No. Title and Description

- 82-14 **Maine peat resource evaluation**, 1982, Lepage, Carolyn A., and Mullen, Michael K., map, scale 1:500,000. \$4.00 [PDF](#)
- 83-13 **Maine peat resource evaluation: Androscoggin, Cumberland, and York Counties**, 1983, Lepage, Carolyn A. (compiler), map, scale 1:250,000. \$4.00 [PDF](#)
- 82-15 **Maine peat resource evaluation: Aroostook County**, 1982, Lepage, Carolyn A. and Mullen, Michael K. (compilers), map, scale 1:250,000. \$4.00 [PDF](#)
- 83-14 **Maine peat resource evaluation: Franklin and Oxford Counties**, 1983, Lepage, Carolyn A. (compiler), map, scale 1:250,000. \$4.00 [PDF](#)
- 82-16 **Maine peat resource evaluation: Hancock County**, 1982, Lepage, Carolyn A. and Mullen, Michael K. (compilers), map, scale 1:250,000. \$4.00 [PDF](#)
- 83-15 **Maine peat resource evaluation: Kennebec, Knox, Lincoln, Sagadahoc, and Waldo Counties**, 1983, Lepage, Carolyn A. (compiler), map, scale 1:250,000. \$4.00 [PDF](#)
- 82-17 **Maine peat resource evaluation: Penobscot County**, 1982, Lepage, Carolyn A. and Mullen, Michael K. (compilers), map, scale 1:250,000. \$4.00 [PDF](#)

## ECONOMIC GEOLOGY

- 82-18 **Maine peat resource evaluation: Piscataquis County**, 1982, Lepage, Carolyn A. and Mullen, Michael K. (compilers), map, scale 1:250,000. \$4.00 [PDF](#)
- 82-19 **Maine peat resource evaluation: Somerset County**, 1982, Lepage, Carolyn A. and Mullen, Michael K. (compilers) , map, scale 1:250,000. \$4.00 [PDF](#)
- 82-20 **Maine peat resource evaluation: Washington County**, 1982, Lepage, Carolyn A. and Mullen, Michael K. (compilers) , map, scale 1:250,000. \$4.00 [PDF](#)

### Reports

#### Publication No.    Title and Description

- B-33 **Peat accumulation rates in selected Maine peat deposits**, 1988, Tolonen, Kimmo, Davis, Ronald B., and Widoff, Lissa S., 99 p. report, 20 figs, 9 tables, 8 app. Study of peat accumulation rates in 10 deposits. Includes comparative diagrams and tables of accumulation rates, pollen diagrams, moss increment and radio-carbon dates, and decomposition studies.. \$4.00 [PDF](#)
- B-28 **Peat resources of Maine; Volume 1, Aroostook County**, 1984, Cameron, Cornelia C., Mullen, Michael K., Lepage, Carolyn A., and Anderson, Walter A., 107 p., 41 figs., 3 tables, Contains sketch maps of 42 peat deposits, core logs, proximate and ultimate analyses of samples. \$4.00 [PDF](#)
- B-29 **Peat resources of Maine; Volume 2, Penobscot County**, 1984, Cameron, Cornelia C., Mullen, Michael K., Lepage, Carolyn A., and Anderson, Walter A., 124 p., 46 figs., 3 tables, Contains sketch maps of 47 peat deposits, core logs, proximate and ultimate analyses of samples. \$4.00 [PDF](#)
- B-30 **Peat resources of Maine; Volume 3, Piscataquis and Somerset Counties**, 1984, Cameron, Cornelia C., Mullen, Michael K., Lepage, Carolyn A., and Anderson, Walter A., 127 p., 49 figs., 3 tables, Contains sketch maps of 49 peat deposits, core logs, proximate and ultimate analyses of samples. \$4.00 [PDF](#)
- B-31 **Peat resources of Maine; Volume 4, Southern and western Maine**, 1984, Cameron, Cornelia C., Mullen, Michael K., Lepage, Carolyn A., and Anderson, Walter A., 123 p., 49 figs., 3 tables, Contains sketch maps of 46 peat deposits, core logs, proximate and ultimate analyses of samples. \$4.00 [PDF](#)
- B-32 **Peat resources of Maine; Volume 5, Washington County**, 1984, Cameron, Cornelia C., Mullen, Michael K., Lepage, Carolyn A., and Anderson, Walter A., 143 p., 50 figs, 3 tables, Sketch maps of 48 peat deposits, core logs, proximate and ultimate analyses of samples. Printed copy unavailable [PDF](#)
- STUD5 **Studies in Maine geology: Volume 5 - Quaternary geology**, 1989, Tucker, Robert D., and Marvinney, Robert G. (editors), 176 p., 130 figs, 10 papers with abstracts and references, Includes technical papers on the timing and mechanisms for deposition of the glaciomarine mud in the Gulf of Maine, a submerged shoreline on the inner continental shelf of the western Gulf of Maine, depositional sequence modeling of Late Quaternary evolution for the west-central Maine coast, geomorphology and Late Quaternary evolution of the Saco Bay region, morphodynamics of tidal inlet systems in Maine, origin and sedimentation of Maine lakes emphasizing lake-outlet deltas, major influences on lake water chemistry, peat resources in Maine, lithologic and structural control on the geomorphology of mountainous areas in north-central Maine, and radon in Maine. \$2.50 [PDF](#)

## **NEOTECTONICS**

### **Neotectonics in Maine**

#### Publication No. Title and Description

- B-40 **Neotectonics of Maine; studies in seismicity, crustal warping, and sea-level change**, 1989, Anderson, Walter A., and Borns, Harold W., Jr., 228 p., 133 figs. Includes technical papers on neotectonic activity in coastal Maine, geophysics of the Passamaquoddy Bay area, geology of southwestern coastal Maine, glaciomarine deltas related to crustal movements, inventory of salt marshes, Holocene sea-level change in coastal Maine, seismic reflection investigation of neotectonics of coastal Maine, archaeological evidence of coastal subsidence, postglacial bedrock faulting, geodetic evidence of crustal motion, geomechanical aspects of subsidence. \$5.00 [PDF](#)

### **Earthquakes**

#### Publication No. Title and Description

- EIM **Earthquakes in Maine**, 2003, Berry, Henry N., IV and Loiselle, Marc (compiler), 11" x 17" color map, scale 1:2,000,000. Map of Maine showing all earthquakes since 1814 for which magnitudes were measured or have been estimated. Also includes discussion of Maine's earthquake history, what happens during an earthquake, regional seismicity, and causes and risks of Maine earthquakes. Printed copy unavailable [PDF](#)
- 95-2 **Earthquakes in Maine, August 1747 to January 1992**, 1995, Johnston, Robert A. (compiler), map, scale 1:500,000. \$5.00 [PDF](#)
- 91-5 **Microearthquake measurements near South Sebec, Maine, 1989-1990**, 1991, Rea, Carol D., Doll, William E., Ebel, John E., Craven, Sandra J., and Cipar, John J., 14 p. report, 1 fig., 3 tables, Report on portable seismograph measurements of microearthquakes. \$1.50 [PDF](#)
- STUD1 **Studies in Maine geology: Volume 1 - Structure and stratigraphy**, 1988, Tucker, Robert D., and Marvinney, Robert G. (editors), 156 p., 84 figs., 10 papers with abstracts and references, Includes technical papers on C.T. Jackson, the lithotectonic stratigraphy of the Casco Bay region, early premetamorphic faults in western Maine, the shale-wacke sequence in south-central Maine, a Silurian unconformity at Flanders Bay, Devonian deltaic sedimentary environments of the Matagamon Sandstone, the occurrence of the crinoid *Rhodocrinites nortoni* (Goldring) in north-central Maine, plant paleontology in Maine, the seismic structure of the earth's crust underlying Maine, and an electron microscope study of the Vassalboro Formation. \$2.50 [PDF](#)
- 17-3 **The influence of the Presumpscot Formation on seismic hazard in southern coastal Maine**, 2017, Marvinney, Robert G. and Glover, Hannah, 11 p. Printed copy unavailable [PDF](#)

### **Postglacial Faulting**

#### Publication No. Title and Description

- 81-48 **Postglacial faulting in the vicinity of the Norumbega fault zone, eastern Maine**, 1981, Thompson, Woodrow B., 22 p. report, 6 figs, 2 tables, Discussion of evidence for postglacial faulting. Also published as USGS Open-File Report 81-1039. \$2.00 [PDF](#)
- 84-9 **Surficial geology of portions of the Grand Falls Lake area: An investigation of evidence for Holocene faulting**, 1984, Smith, Geoffrey W., 3 p., map, scale 1:62,500. Map shows surficial geology of area bordering inferred bedrock faults. \$4.50 [PDF](#)
- 79-20 **The possibility of Pleistocene-Holocene movement along the Oak Bay fault on the Maine-New Brunswick border**, 1979, Newman, William A., 7 p. report, Discusses Late Wisconsinan-Holocene history of Oak Bay fault zone. \$1.00 [PDF](#)

### **Sea-Level Rise**

#### Publication No. Title and Description

- 79-24 **Crustal subsidence in eastern Maine**, 1979, Tyler, David A., Ladd, Jon, and Borns, Harold W., Jr., 11 p. report, 1 plate. Comparison of vertical leveling data from 1942 and 1966 surveys. Plate shows crustal movement on a line from Bangor to Calais. \$6.50 [PDF](#)
- 81-1 **Evidence for late Holocene and recent sea level rise along coastal Maine utilizing salt marsh data**, 1981, Anderson, R. Scott, and Race, Charles D., 17 p. report, 7 figs., 1 table. Progress report on sea level rise study. \$1.50 [PDF](#)
- 83-8 **Evidence for late Holocene sea-level rise in New England; a summary of available data derived from salt marshes and other organic materials**, 1983, Anderson, R. Scott, and Borns, Harold W., Jr., 15 p. report, 7 figs. Analysis of salt marsh data using core studies, sea-level curves, and radiometric dating. \$1.50 [PDF](#)

## NEOTECTONICS

- NEIGC95 **Guidebook to field trips in southern Maine and adjacent New Hampshire**, 1995, Hussey, Arthur M., II, and Johnston, Robert A. (editors), New England Intercollegiate Geological Conference, 87th annual meeting, October 6-8, 1995, Brunswick, Maine, 314 p., 105 figs, Includes papers on hydrogeology of Belgrade Lakes region, arsenic in ground water, hydrogeology and environmental geology of Gray delta, glaciomarine deposits of Casco Bay sublobe, barriers and inlets of Southern Maine, shear strain in Casco Bay area, terrane in Northern Penobscot Bay, Norumbega fault zone, Acadian suture, metapelite rocks in Casco Bay, coastal lithotectonic belt, Sebago batholith, granite in Topsham-Brunswick area, brittle strike-slip faults, impact of sea level rise on prehistoric human occupation of central Maine coast. \$18.00
- 79-23 **Historical evidence of sea-level change along the Maine coast**, 1979, Smith, David C., 11 p. report, 7 figs. Discusses evidence of sea-level rise shown by salt marsh dikes, wharves, mill sites, etc. \$1.50 [PDF](#)
- 06-14 **Impacts of future sea level rise on the coastal floodplain**, 2006, Slovinsky, Peter A. and Dickson, Stephen M., 25 p., 17 figs., 3 tables, Discusses impacts of 1-3 ft. of sea-level rise in area of Rachel Carson National Wildlife Refuge and surroundings. \$4.00 [PDF](#)
- 80-1 **Investigation of salt marsh stratigraphy as an indicator of sea level rise in coastal Maine**, 1980, Anderson, R. Scott, and Race, Charles D., Maine Geological, Survey Open-File 80-1, 11 p. report, 5 figs., 1 table, Progress report on studies of salt marshes as evidence of crustal warping. \$1.50 [PDF](#)
- 83-9 **Preliminary report on sea-level rise in the Damariscotta estuary, central Maine coast**, 1983, Sanger, David, and Kellogg, Davida E., 8 p. report, 2 tables, Progress report on archaeological studies. \$1.00 [PDF](#)
- 85-74 **Sea-level rise and archaeology in the Damariscotta River**, 1985, Sanger, David, 13 p. report, 1 fig., 1 table, Progress report on field work. \$1.50 [PDF](#)
- 85-73 **Sea-level rise in Passamaquoddy Bay: archaeology and sediment cores**, 1985, Sanger, David, 11 p. report, 2 figs., 3 tables, Progress report on field work. \$1.50 [PDF](#)
- 85-76 **St. Croix region crustal strain study**, 1985, Tyler, David, and Leick, Alfred, 22 p. report, 2 figs., 1 appendix, Resurvey of triangulation stations in St. Croix area. \$2.00 [PDF](#)
- 80-34 **Vertical crustal movement in Maine**, 1980, Tyler, David A., and Ladd, Jon W., 53 p. report, 12 figs., 11 tables, Describes vertical crustal motion in Maine through analysis of repeated first order level data. \$2.75 [PDF](#)



**GEOPHYSICS****Gravity****Maps**

<u>Publication No.</u>	<u>Title and Description</u>
GRAV	<b>Complete Bouguer gravity anomaly map of Maine and vicinity</b> , 1993, Bond, Kevin R., map, scale 1:500,000. Map showing gravity contours and station locations. \$3.50 <a href="#">PDF</a>
GP-580	<b>Simple bouguer gravity map of Maine</b> , 1966, Kane, M. F., and Bromery, R. W., U. S. Geological Survey, Geophysical Investigations Map GP-580, map, scale 1:500,000. \$4.00 <a href="#">PDF</a>

**Reports**

<u>Publication No.</u>	<u>Title and Description</u>
87-21	<b>Bouguer gravity anomaly map of the Waterville, Maine, 15-minute quadrangle</b> , 1987, Potts, Stephen S., and Doll, William E., 16 p., 3 figs., 1 table, 1 app., map, scale 1:62,500. Discusses models to explain 3-dimensional shape of bodies shown by gravity values. \$5.50 <a href="#">PDF</a>
86-15	<b>Gravity and its geological interpretation: the Sebago pluton and vicinity, southwestern Maine</b> , 1986, Geoscience Services of Salem, Inc., 26 p., 11 figs. Available gravity data reprocessed to prepare Bouguer gravity maps for Sebago pluton. \$2.00 <a href="#">PDF</a>
90-25c	<b>Gravity study of the Bottle Lake complex</b> , 1990, Doll, William E., and Potts, Stephen S., 45 p., 11 figs., 1 table, 2 apps., map, scale 1:100,000. Analysis of gravity data to generate contoured gravity anomaly maps and models of the complex's geometry at depth. Includes Bouguer gravity anomaly map. \$6.25 <a href="#">PDF</a>
83-5	<b>Gravity survey of the northern Penobscot Valley area, Maine</b> , 1983, Messier, Peter M., 26 p. report, 2 maps, 3 figs, 3 tables, 1 appendix, scale 1:62,500. Includes Bouguer gravity map and map of gravity stations. Appendix contains latitude and longitude of stations, gravity in mgal, and Bouguer anomaly. \$12.00 <a href="#">PDF</a>
81-88	<b>Gravity survey of the Passamaquoddy Bay and southern Penobscot Valley areas</b> , 1981, Weng, Willy Lehmann, Maine Geological, Survey Open-File 81-88, 29 p., 4 maps, scale 1:62,500. Includes Bouguer gravity map and map of gravity stations. Appendix contains latitude and longitude of stations, gravity in mgal, and Bouguer anomaly. \$22.00 <a href="#">PDF</a>

**General Geophysics**

<u>Publication No.</u>	<u>Title and Description</u>
80-14d	<b>Evaluation of the mineral potential, upper St. John River valley, Aroostook County, Maine: Appendix D: Geophysics</b> , 1980, North American Exploration, Inc., 3 p., 4 plates, Magnetometer traverses of study area. \$16.00 <a href="#">PDF</a>
I-2329	<b>Global Geoscience Transect 8; Quebec-Maine-Gulf of Maine Transect, southeastern Canada, northeastern United States of America</b> , 1993, Stewart, D. B., Wright, B. E., Unger, J. D., Phillips, J. D., Hutchinson, D. R., Luetgert, J. H., Bothner, W. A., Klitgord, K. D., Liberty, L. M., and Spencer, Carl P., U.S. Geological Survey, Miscellaneous Investigations Series I-2329, 17 p. report and map, scale 1:1,000,000. \$4.00 <a href="#">PDF</a>
90-25a	<b>Photo-lineament mapping at 1:40,000 scale in the Sebago batholith and Bottle Lake complex of Maine</b> , 1990, Caswell, Eichler, and Hill, Inc., 10p., 7figs., 3 maps, scale 1:100,000. Interpretation of photo-lineaments from aerial photography and comparison to geologic and hydrologic features. Includes 3 maps of photolinears. \$13.00 <a href="#">PDF</a>
90-25d	<b>Processing and preliminary interpretation of Bottle Lake seismic reflection data</b> , 1990, Costain, John K., Domoracki, William J., and Coruh, Cahit, 17 p. report, 4 plates, Printed copy unavailable <a href="#">PDF</a>
90-25b	<b>Tectonic fabrics of the Passadumkeag River pluton, Bottle Lake complex, Springfield and Scraggly Lake 15-minute quadrangles</b> , 1990, Hopeck, John T., 7 p. report, 4 figs., map, scale 1:62,500. Discussion of brittle and ductile shear fabrics and relation to Late Acadian tectonics in eastern Maine. Includes bedrock geologic map. \$5.00 <a href="#">PDF</a>
I-1898-E	<b>Tectonic lithofacies, geophysical, and mineral-resource appraisal maps of the Sherbrooke-Lewiston area, Maine, New Hampshire, and Vermont, United States and Quebec, Canada</b> , 1999, Moench, Robert H., Boudette, Eugene L., and Bothner, Wallace, compilers, U. S. Geological Survey, Miscellaneous Investigations Series, Map I-1898E, 4 maps and 107 p. report, scale 1:250,000. \$18.00 <a href="#">PDF</a>

**USGS Aeromagnetic Maps**

<u>Publication No.</u>	<u>Title and Description</u>
GP-499	<b>Aeromagnetic and generalized geologic map of the Bingham [15-minute] quadrangle, Somerset County, Maine</b> , 1965, Mattick, Robert E., U. S. Geological Survey, Geophysical Investigations Map GP-499, map, scale 1:62,500. \$4.00 <a href="#">PDF</a>

GEOPHYSICS

- GP-423 **Aeromagnetic interpretation and preliminary geology of the Danforth area, Maine**, 1963, Griscom, Andrew, and Larrabee, David M., U. S. Geological Survey, Geophysical Investigations Map GP-423, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-378 **Aeromagnetic map of part of the Caucomgomoc Lake [15-minute] quadrangle, Somerset and Piscataquis Counties, Maine**, 1963, Bromery, Randolph W., and Tyson, Natalie S., U. S. Geological Survey, Geophysical Investigations Map GP-378, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-375 **Aeromagnetic map of part of the Churchill Lake [15-minute] quadrangle, Piscataquis County, Maine**, 1963, Bromery, Randolph W., and McGowan, Ernest F., U. S. Geological Survey, Geophysical Investigations Map GP-375, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-374 **Aeromagnetic map of Part of the Greenlaw [15-minute] quadrangle, Aroostook County, Maine**, 1963, Anderson, Lennart A., and Natof, Nora W. C., U. S. Geological Survey, Geophysical Investigations Map GP-374, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-335 **Aeromagnetic map of part of the Greenville [15-minute] quadrangle and part of the Sebec Lake [15-minute] quadrangle, Piscataquis and Somerset Counties, Maine**, 1963, Bromery, Randolph W., and Vargo, Joseph L., U. S. Geological Survey, Geophysical Investigations Map GP-335, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-334 **Aeromagnetic map of part of the Moosehead Lake [15-minute] quadrangle and part of the First Roach Pond [15-minute] quadrangle, Piscataquis and Somerset Counties, Maine**, 1963, Henderson, John R., and Smith, Charles W., U. S. Geological Survey, Geophysical Investigations Map GP-334, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-373 **Aeromagnetic map of part of the Mooseleuk Lake [15-minute] quadrangle, Aroostook and Piscataquis Counties, Maine**, 1963, Anderson, Lennart A., and Natof, Nora W. C., U. S. Geological Survey, Geophysical Investigations Map GP-373, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-336 **Aeromagnetic map of part of the Stacyville [15-minute] quadrangle and part of the Katahdin [15-minute] quadrangle, Penobscot and Piscataquis Counties, Maine**, 1963, Bromery, Randolph W., and Long, Carl L., U. S. Geological Survey, Geophysical Investigations Map GP-336, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-381 **Aeromagnetic map of part of the Traveler Mountain [15-minute] quadrangle, Piscataquis and Penobscot Counties, Maine**, 1963, Bromery, Randolph W., and Tyson, Natalie, U. S. Geological Survey, Geophysical Investigations Map GP-381, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-487 **Aeromagnetic map of the Amity [15-minute] quadrangle, Aroostook County, Maine**, 1964, Meuschke, J. L., and Vargo, J. L., U. S. Geological Survey, Geophysical Investigations Map GP-487, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-137 **Aeromagnetic map of the Berwick [15-minute] quadrangle, Maine and New Hampshire**, 1956, Bromery, Randolph Wilson, Zandle, Gerald L., and others, U. S. Geological Survey, Geophysical Investigations Map GP-137, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-291 **Aeromagnetic map of the Bridgewater [15-minute] quadrangle, Aroostook County, Maine**, 1962, Henderson, John R., U. S. Geological Survey, Geophysical Investigations Map GP-291, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-330 **Aeromagnetic map of the Chain Lakes [15-minute] quadrangle, Franklin and Somerset Counties, Maine**, 1963, Henderson, John R., and Gilbert, Francis P., U. S. Geological Survey, Geophysical Investigations Map GP-330, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-379 **Aeromagnetic map of the Chesuncook [15-minute] quadrangle, Piscataquis County, Maine**, 1963, Bromery, Randolph W., and McGowan, Ernest F., U. S. Geological Survey, Geophysical Investigations Map GP-379, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-477 **Aeromagnetic map of the Cupsuptic [15-minute] quadrangle, Oxford and Franklin Counties, Maine**, 1964, Boynton, G. R., and Gilbert, F. P., U. S. Geological Survey, Geophysical Investigations Map GP-477, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-371 **Aeromagnetic map of the Fish River Lake [15-minute] quadrangle, Aroostook County, Maine**, 1963, Anderson, Lennart A., and Natof, Nora W. C., U. S. Geological Survey, Geophysical Investigations Map GP-371, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-485 **Aeromagnetic map of the Forks [15-minute] quadrangle, Piscataquis and Somerset Counties, Maine**, 1964, Bromery, R. W., and Natof, N. W., U. S. Geological Survey, Geophysical Investigations Map GP-485, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-288 **Aeromagnetic map of the Grand Lake Seboeis [15-minute] quadrangle, Aroostook and Penobscot Counties, Maine**, 1962, Bromery, Randolph Wilson, U. S. Geological Survey, Geophysical Investigations Map GP-288, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-155 **Aeromagnetic map of the Harrington Lake [15-minute] quadrangle, Piscataquis County, Maine**, 1957, Balsley, James Robinson, Jr., Blanchett, Jean, and Kirby, John Redmond, U. S. Geological Survey, Geophysical Investigations Map GP-155, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-295 **Aeromagnetic map of the Houlton [15-minute] quadrangle, Aroostook County, Maine**, 1962, Dempsey, William Joseph, U. S. Geological Survey, Geophysical Investigations Map GP-295, map, scale 1:62,500. \$4.00 [PDF](#)

GEOPHYSICS

- GP-290 **Aeromagnetic map of the Howe Brook [15-minute] quadrangle, Aroostook County, Maine**, 1962, Balsley, James R., U. S. Geological Survey, Geophysical Investigations Map GP-290, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-293 **Aeromagnetic map of the Island Falls [15-minute] quadrangle, Aroostook and Penobscot Counties, Maine**, 1962, Dempsey, William Joseph, U. S. Geological Survey, Geophysical Investigations Map GP-293, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-154 **Aeromagnetic map of the Jo-Mary Mountain area, Piscataquis and Penobscot Counties, Maine**, 1957, Balsley, James Robinson, Jr., Blanchett, Jean, and Kirby, John Redmond, U. S. Geological Survey, Geophysical Investigations Map GP-154, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-332 **Aeromagnetic map of the Kennebago Lake [15-minute] quadrangle, Franklin County, Maine**, 1963, Henderson, John R., and Gilbert, Francis P., U. S. Geological Survey, Geophysical Investigations Map GP-332, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-377 **Aeromagnetic map of the Millinocket Lake [15-minute] quadrangle, Aroostook, Piscataquis, and Penobscot Counties, Maine**, 1963, Anderson, Lennart A., Bromery, Randolph W., and McGowan, Ernest F., U. S. Geological Survey, Geophysical Investigations Map GP-377, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-486 **Aeromagnetic map of the Old Speck Mountain [15-minute] quadrangle, Franklin and Oxford Counties, Maine**, 1964, Henderson, J. R., and Smith, C. W., U. S. Geological Survey, Geophysical Investigations Map GP-486, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-478 **Aeromagnetic map of the Oquossoc [15-minute] quadrangle, Oxford and Franklin Counties, Maine**, 1964, Boynton, G. R., and Gilbert, F. P., U. S. Geological Survey, Geophysical Investigations Map GP-478, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-289 **Aeromagnetic map of the Oxbow [15-minute] quadrangle, Aroostook and Penobscot Counties, Maine**, 1962, Balsley, James R., U. S. Geological Survey, Geophysical Investigations Map GP-289, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-479 **Aeromagnetic map of the Phillips [15-minute] quadrangle, Franklin County, Maine**, 1964, Boynton, G. R., and Gilbert, F. P., U. S. Geological Survey, Geophysical Investigations Map GP-479, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-480 **Aeromagnetic map of the Rangeley [15-minute] quadrangle and part of the Kennebago Lake [15-minute] quadrangle, Franklin and Oxford Counties, Maine**, 1964, Boynton, G. R., and Gilbert, F. P., U. S. Geological Survey, Geophysical Investigations Map GP-480, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-292 **Aeromagnetic map of the Shin Pond [15-minute] quadrangle, Penobscot County, Maine**, 1962, Bromery, Randolph Wilson, U. S. Geological Survey, Geophysical Investigations Map GP-292, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-310 **Aeromagnetic map of the Skinner [15-minute] and parts of the Attean and Sandy Bay [15-minute] quadrangles, Somerset and Franklin Counties, Maine**, 1962, Bromery, Randolph W., and Gilbert, Francis P., U. S. Geological Survey, Geophysical Investigations Map GP-310, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-294 **Aeromagnetic map of the Smyrna Mills [15-minute] quadrangle, Aroostook County, Maine**, 1962, Dempsey, William Joseph, U. S. Geological Survey, Geophysical Investigations Map GP-294, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-331 **Aeromagnetic map of the Spencer Lake [15-minute] quadrangle, Franklin and Somerset Counties, Maine**, 1963, Bromery, Randolph W., and Soday, Harry J., U. S. Geological Survey, Geophysical Investigations Map GP-331, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-376 **Aeromagnetic map of the Spider Lake [15-minute] quadrangle and part of the Musquacook Lakes [15-minute] quadrangle, Piscataquis and Aroostook Counties, Maine**, 1963, Anderson, Lennart A., Bromery, Randolph W., and Tyson, Natalie S., U. S. Geological Survey, Geophysical Investigations Map GP-376, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-333 **Aeromagnetic map of the Stratton [15-minute] quadrangle, Franklin and Somerset Counties, Maine**, 1963, Bromery, Randolph W., and Tyson, Natalie S., U. S. Geological Survey, Geophysical Investigations Map GP-333, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-380 **Aeromagnetic map of the Telos Lake [15-minute] quadrangle, Piscataquis County, Maine**, 1963, Bromery, Randolph W., and McGowan, Ernest F., U. S. Geological Survey, Geophysical Investigations Map GP-380, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-372 **Aeromagnetic map of the Winterville [15-minute] quadrangle, Aroostook County, Maine**, 1963, Anderson, Lennart A., and Natof, Nora W. C., U. S. Geological Survey, Geophysical Investigations Map GP-372, map, scale 1:62,500. \$4.00 [PDF](#)
- GP-312 **Geologic and aeromagnetic map of northern Maine**, 1964, Boucot, Arthur J., Griscom, Andrew, and Allingham, John W., U. S. Geological Survey, Geophysical Investigations Map GP-312, 58 p.report and color map, scale 1:250,000. \$4.00 [PDF](#)

## **GEOLOGIC HAZARDS**

### **Landslide Sites and Areas of Landslide Susceptibility Maps**

This series of maps shows the locations and types of known landslides and areas susceptible to future landslide activity in southern Maine. Map coverage is by individual town. Price per map: \$5.00. Landslide susceptibility maps are also available online as PDF files.

<u>Publication No.</u>	<u>Town</u>
<a href="#">09-20</a> .....	Alfred
<a href="#">09-21</a> .....	Arundel
<a href="#">09-22</a> .....	Berwick
<a href="#">09-23</a> .....	Biddeford
<a href="#">09-24</a> .....	Buxton
<a href="#">09-25</a> .....	Dayton
<a href="#">09-26</a> .....	Eliot
<a href="#">09-27</a> .....	Hollis
<a href="#">09-28</a> .....	Kennebunk
<a href="#">09-29</a> .....	Kennebunkport
<a href="#">09-30</a> .....	Kittery
<a href="#">09-31</a> .....	Lebanon
<a href="#">09-32</a> .....	Limington
<a href="#">09-33</a> .....	Lyman
<a href="#">09-34</a> .....	North Berwick
<a href="#">09-35</a> .....	Saco and Old Orchard Beach
<a href="#">09-36</a> .....	Sanford
<a href="#">09-37</a> .....	South Berwick
<a href="#">09-38</a> .....	Wells and Ogunquit
<a href="#">09-39</a> .....	York

### **Landslide Reports**

<u>Publication No.</u>	<u>Title and Description</u>
90-22	<b>Air photo reconnaissance of slope failures in the Presumpscot Formation, Cumberland County, Maine</b> , 1990, Novak, Irwin D., 4 p., 1 fig, 1 table, map, scale 1:50,000. Analysis of air photos to locate landslides in Cumberland County. \$4.50 <a href="#">PDF</a>
87-3	<b>Inventory and bibliography of Maine landslides</b> , 1987, Novak, Irwin D., 27 p. report, 2 figs, 3 tables, map, scale 1:500,000. Lists location, date, type, and material of landslides. \$7.00 <a href="#">PDF</a>
87-4	<b>Landslides in the Presumpscot Formation: An engineering study</b> , 1987, Amos, Jeannine, and Sandford, Thomas C., 68 p., 22 figs., 7 tables, 3 apps. Discussion of Presumpscot Formation characteristics and analysis of Bunganuc and Gorham landslides. \$3.80 <a href="#">PDF</a>
90-23	<b>Mineralogy and pore water chemistry of Presumpscot clays</b> , 1990, Mayer, Lawrence M., 3 p., 1 table. Analysis of samples from borings in landslides described in Open-File Report 90-24. Includes water content, salinity, and percent silt/clay. \$0.50 <a href="#">PDF</a>
90-24	<b>Stability of natural slopes in the Presumpscot Formation</b> , 1990, Devin, Steven C., and Sandford, Thomas C., 75 p., 17 figs., 5 tables, 5 apps. Discussion of Presumpscot Formation and analysis of Bunganuc and Westbrook landslides. \$3.75 <a href="#">PDF</a>
96-18	<b>The April 1996 Rockland landslide</b> , 1996, Berry, Henry N., IV, Dickson, Stephen M., Kelley, Joseph T., Locke, Daniel B., Marvinney, Robert G., Thompson, Woodrow B., Weddle, Thomas K., Reynolds, Richard T., and Belknap, Daniel F., 55 p., 13 figs., 3 apps., 1 plate, Discussion of 1996 Rockland landslide. Includes black-and-white plate showing panoramic photos of the 1973 and 1996 Rockland landslides. \$6.75 <a href="#">PDF</a>

### **Coastal Landslide Hazard Maps**

See the Coastal Marine Geology: Coastal Landslide Hazards Maps (scale 1:24,000) section for a listing of the maps available.

### **Earthquakes**

<u>Publication No.</u>	<u>Title and Description</u>
EIM	<b>Earthquakes in Maine</b> , 2003, Berry, Henry N., IV and Loiselle, Marc (compiler), 11" x 17" color map, scale 1:2,000,000. Map of Maine showing all earthquakes since 1814 for which magnitudes were measured or have been estimated. Also includes discussion of Maine's earthquake history, what happens during an earthquake, regional seismicity, and causes and risks of Maine earthquakes. Printed copy unavailable <a href="#">PDF</a>

GEOLOGIC HAZARDS

- 95-2 **Earthquakes in Maine, August 1747 to January 1992**, 1995, Johnston, Robert A. (compiler), map, scale 1:500,000. \$5.00 [PDF](#)
- 91-5 **Microearthquake measurements near South Sebec, Maine, 1989-1990**, 1991, Rea, Carol D., Doll, William E., Ebel, John E., Craven, Sandra J., and Cipar, John J., 14 p. report, 1 fig., 3 tables, Report on portable seismograph measurements of microearthquakes. \$1.50 [PDF](#)
- STUD1 **Studies in Maine geology: Volume 1 - Structure and stratigraphy**, 1988, Tucker, Robert D., and Marvinney, Robert G. (editors), 156 p., 84 figs., 10 papers with abstracts and references, Includes technical papers on C.T. Jackson, the lithotectonic stratigraphy of the Casco Bay region, early premetamorphic faults in western Maine, the shale-wacke sequence in south-central Maine, a Silurian unconformity at Flanders Bay, Devonian deltaic sedimentary environments of the Matagamon Sandstone, the occurrence of the crinoid *Rhodocrinites nortoni* (Goldring) in north-central Maine, plant paleontology in Maine, the seismic structure of the earth's crust underlying Maine, and an electron microscope study of the Vassalboro Formation. \$2.50 [PDF](#)

**PALEONTOLOGY****Paleontology**Publication No.    Title and Description

- 87-2            **Geologic map of the Caribou and northern Presque Isle [15-minute] quadrangles, Maine**, 1987, Roy, David C., 44 p. report, 2 figs., 7 tables, map, cross section, scale 1:62,500. Includes discussion of paleontology of area. Map includes 2 cross sections. \$7.20 [PDF](#)
- B-21            **Geology of the Moose River and Roach River synclinoria, northwestern Maine**, 1969, Boucot, Arthur J., and Heath, Edward W., 117 p. report, 8 figs., 5 tables, 1 app., 30 plates, cross section, scale 1:62,500. Describes stratigraphy, paleontology, intrusive rocks, metamorphism, and structure. Plates include reconnaissance maps, cross sections, stratigraphic columns, and fossil localities. Includes appendix of fossil localities in the area. Covers parts of the North East Carry, Ragged Lake, Attean, Long Pond, Brassua Lake, Moosehead Lake, First Roach Pond, Spencer Lake, Pierce Pond, and The Forks 15' quadrangles. \$5.00 [PDF](#)
- FOSS-HC        **Maine's fossil record; The Paleozoic**, 2007, Churchill-Dickson, Lisa, 500 p. book, 175 B&W photos, hardcover, The most comprehensive treatise on Maine's bedrock fossils ever published. \$20.00
- FOSS-SC        **Maine's fossil record; The Paleozoic**, 2007, Churchill-Dickson, Lisa, 500 p. book, 175 B&W photos, softcover, The most comprehensive treatise on Maine's bedrock fossils ever published. \$15.00
- B-23            **Shorter contributions to Maine geology**, 1970, Andrews, Henry N., Kasper, Andrew E., Roy, David C., Forbes, William H., Pankiwskyj, Kost A., Boone, Gary M., Boucot, Arthur J., Fullagar, Paul D., Bottino, Michael L., Gilman, Richard A., and Hussey, Arthur M., II, 68 p., 8 papers, Papers on plant fossils of the Trout Valley Formation, Silurian fossils on Lawler Ridge, Limestone Hill in Somerset county, Fish River Lake Formation, Devonian slates in the northern Appalachians, Rb-Sr ages of Silurian-Devonian volcanics in eastern Maine, structure of Sawyer Mountain area, origin and development of the Wells Beach area. \$1.90 [PDF](#)
- B-22            **Stratigraphy of the southern end of the Munsungun anticlinorium, Maine**, 1970, Hall, Bradford A., 63 p. report, 12 figs., 1 table, 1 app., 1 plate, color map, cross section, scale 1:62,500. Includes appendix on fossil localities in southern end of Munsungun anticlinorium. Covers parts of the Umsaskis Lake, Musquacook Lakes, Churchill Lake, Spider Lake, Chesuncook, and Telos Lake 15' quadrangles. \$5.00 [PDF](#)
- STUD1          **Studies in Maine geology: Volume 1 - Structure and stratigraphy**, 1988, Tucker, Robert D., and Marvinney, Robert G. (editors), 156 p., 84 figs., 10 papers with abstracts and references, Includes technical papers on C.T. Jackson, the lithotectonic stratigraphy of the Casco Bay region, early premetamorphic faults in western Maine, the shale-wacke sequence in south-central Maine, a Silurian unconformity at Flanders Bay, Devonian deltaic sedimentary environments of the Matagamon Sandstone, the occurrence of the crinoid *Rhodocrinites nortoni* (Goldring) in north-central Maine, plant paleontology in Maine, the seismic structure of the earth's crust underlying Maine, and an electron microscope study of the Vassalboro Formation. \$2.50 [PDF](#)

## **EDUCATION**

### **Educational Materials for Earth Science Teachers**

The Maine Geological Survey is a valuable resource for earth science teachers looking for information on Maine's geology and ecology. A broad assortment of maps and publications are available. We also have information on sources of additional materials published by the federal government. These resources can be incorporated into school curricula to provide both students and teachers with a better understanding of earth science topics and their importance to Maine's citizens.

Visitors to our office can use our library and view an exhibit of Maine minerals. The Survey's staff can answer questions about many earth science topics and will help identify unusual rock and mineral specimens.

### **U.S. Geological Survey Information**

We are an affiliate office of the National Earth Science Information Center of the U.S. Geological Survey. We have limited quantities of free general interest pamphlets and educational posters available from the USGS. We also sell topographic maps for the entire state. Contact us for index maps and ordering information.

The USGS also has a wealth of earth science data on their educational web site called "The Learning Web". Try browsing this site at: <http://www.usgs.gov/education/>.

### **Curriculum Resources for Earth Science Teachers**

The Maine Geological Survey received a grant from the National Science Foundation's Teacher Enhancement Program for a three-year project titled CREST (Curriculum Resources for Earth Science Teachers in Maine). During 1991-1994, CREST provided training and developed a variety of resources for Maine's high school and middle school teachers. This project had three components: (1) participation of teacher interns in research activities with professional earth scientists; (2) development of instructional materials for classroom and field activities; and (3) facilitating communication and sharing of resources among teachers. During each year of the project, a teacher was based at the Maine Geological Survey to help carry out these tasks.

### **Online Activities and Resources for Earth Science Teachers**

In 1992, the CREST Activity Book was published and distributed to earth science teachers in Maine. This book contained 42 different lesson plans in three separate categories: (1) resource development and mapping; (2) rock, mineral, and soil identification and description, and water issues; and (3) mechanical and technological tools of science. Each lesson plan has both a teacher instruction sheet and a student instruction and answer sheet suitable for photocopying. The original book went out of print in 1994 and has not been reprinted, but the contents are now available on our web site. The address is:

<http://www.maine.gov/dacf/mgs/education/lessons/index.shtml>.

### **Videos for Teachers**

Other CREST products include a series of five videos on Maine's geology, which were produced by the Maine Geological Survey in cooperation with the University of Maine at Farmington. The following videos are available to Maine teachers at no cost. For each program, send a blank videotape and the name of the requested program to:

Educational Video Service  
Maine State Library  
64 State House Station  
Augusta, ME 04333-0064

### **Publication No. Title and Description**

VID5	<b>Discovering Maine's Mineral Resources</b> , 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, length - 48 minutes, Delve into Maine's recent and distant geologic past. Discover how its rocks and minerals formed and how Maine people have been utilizing them for generations. Get a taste of its historic and modern mining operations, from sulfide deposits in Blue Hill, to coastal granite quarries, to western Maine gem mines. Come along on a demonstration interview at the Monson slate quarry to see how slate is quarried and milled into beautiful and enduring flooring, sinks, countertops, headstones, wallstones, and flagstones. Join us in discovering Maine's mineral resources. Printed copy unavailable
VID6	<b>Global Climate Change</b> , 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, "Altitude Lou" McNally, meteorologist and host of Maine Public Television's "Made in Maine," leads a panel discussion about global climate change. The panel includes faculty members of the University of Maine's Quaternary Institute, a world class center of climate research. Lou fields questions from an audience of Maine high school students. Printed copy unavailable

## EDUCATION

- VID3 **In Search of the Missing Iapetus Ocean**, 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, length - 40 minutes, Can you solve the mystery of the lost Iapetus Ocean? Puzzle over the differences in the rocks of New England. Why are the rocks in eastern New England similar to rocks in Europe? Learn how a geologist interprets the geologic history of a rock formation. Experience the movement of continents and ocean floors as the Earth's surface evolved. Consider how these forces created today's landscape. Travel across New England and read the story in the rocks. Printed copy unavailable
- VID7 **Maine Waste Disposal Issues**, 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, Tom Eastler of the University of Maine at Farmington, along with students from the Mount Blue School system engage in a panel discussion and presentation on the hazardous waste disposal options in Maine, including a look at the highly controversial issue of radioactive waste disposal. Printed copy unavailable
- VID1 **Maine's Water Resources**, 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, length - 20 minutes, Discover how important water is in your everyday life and explore the problems and risks to our water resources. Learn about the hydrologic cycle and how pollutants can enter streams, lakes, and the ocean. Accompany a geological survey seismic crew as they gather data on Maine's ground water. Contemplate the ways in which we can prevent contamination of this invaluable resource. Printed copy unavailable
- VID4 **Piecing Together Maine's Coastal Geologic Puzzle**, 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, length - 38 minutes, See how dramatic geologic forces shaped the coast of Maine and how the forces of the ocean continue to alter it today. Visit sandy and rocky beaches of the past and present. Experience research cruises in the Gulf of Maine as scientists endeavor to piece together an exciting history of the Gulf of Maine. Go from "down south" to "down east," and get a sense of the complex and dynamic geologic history of the coast of Maine!! Printed copy unavailable
- VID8 **The Geology of Maine**, 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, Joseph T. Kelley of the Maine Geological Survey gives an overview of the major geological events and processes that have shaped the state of Maine as we know it today. Printed copy unavailable
- VID2 **The Ice Age in Maine**, 1992, Maine Geological Survey and University of Maine at Farmington, Curriculum Resources for Earth Science Teachers, National Science Foundation, video, length - 27 minutes, Experience the last Ice Age in Maine. Learn how glaciers form and move. View the evidence of glacial erosion and deposition across the state of Maine, including the biggest boulder in the state! Visit features such as eskers, glacial erratics, striations, deltas, and moraines. Examine fossil shells and spruce wood that dates from 11,000 years ago. Consider evidence of marine inundation along the Maine coast. Printed copy unavailable

### Collections of Maine Rocks and Minerals

Several collections of Maine rocks and minerals are available for loan to Maine teachers for periods up to a month. Each collection contains large specimens of 20 rocks and 20 minerals along with a study guide which describes each sample. Because of the size and weight of the collection, it is necessary to pick it up in person and have it signed out to you at our office, and bring the collection back to the Maine Geological Survey when done. Since there are only a few kits, please call first (207-287-2801) to inquire about availability and schedule a pick-up time.



## **U.S. GEOLOGICAL SURVEY TOPOGRAPHIC MAPS**

Ordering Instructions: When ordering topographic maps, please state the quadrangle name and the scale or quadrangle type of the map. There are no catalog numbers for these maps. Use the following lines as examples:

Portland East 7.5'  
 Greenville orthophotoquad  
 Machias 1:100,000  
 Eastport 1:250,000  
 Maine topographic 1:500,000

To locate the maps you need, use the quadrangle name indexes in the Appendix A, B, or C.

These maps are also available in PDF format from the USGS at <http://ngmdb.usgs.gov/maps/TopoView/>.

For assistance reading topographic maps and understanding their symbols, see the USGS Topographic Maps Symbols brochure at <http://pubs.usgs.gov/gip/TopographicMapSymbols/topomapsymbols.pdf>.

### **1:24,000 scale**

1 inch on map = 2000 feet.

Also known as '7.5- minute' quadrangles. Quadrangles include contours, culture features, and water features. The entire state is now covered by 7.5' quadrangles. Printed copies are no longer available for some quadrangles from USGS. MGS provides reprints of the scanned USGS originals with lower quality paper and ink for half price.

Price per map: \$6.00 (\$3.00 for reprints)

Refer to the map index in Appendix A for quadrangle locations.

### **1:100,000 scale**

1 inch on map = 1.6 miles.

Quadrangles include culture features and water features. Not all quadrangles include contours. Flat or folded maps are available but not always both. Printed copies are no longer available for some quadrangles from USGS. MGS provides reprints of the scanned USGS originals with lower quality paper and ink for half price.

Price per map: \$7.00 (\$3.50 for reprints)

Refer to the map index in Appendix B for quadrangle locations.

### **1:250,000 scale**

1 inch on map = 4 miles.

Quadrangles include contours, culture features, and water features.

Price per map: \$8.00

Refer to the map index in Appendix C for quadrangle locations.

### **1:500,000 scale**

1 inch on map = 8 miles.

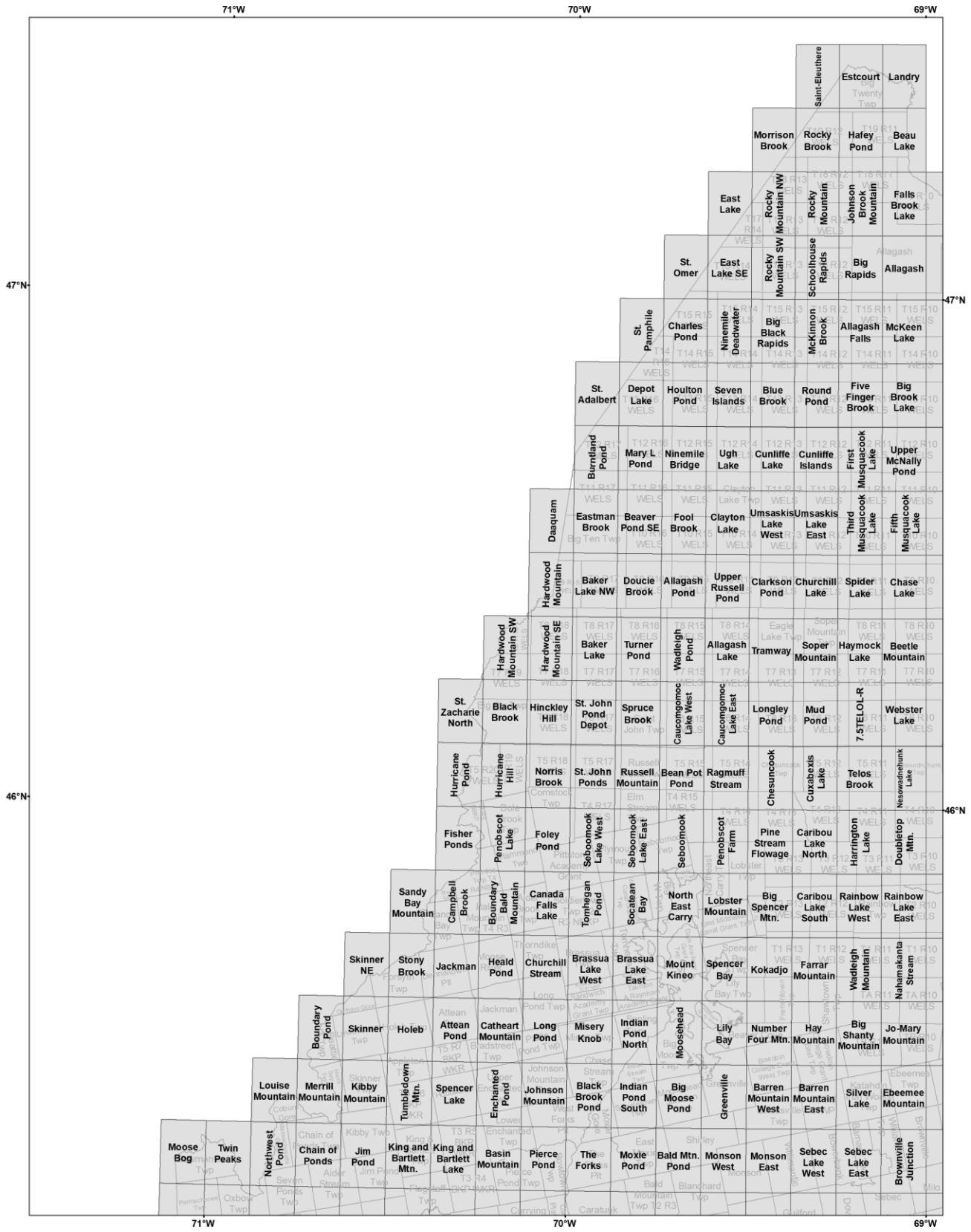
One map covers the entire state.

Publication No.    Title and Description

500NOCON	<b>Maine 1:500,000 No Contours</b> , 1973, U.S. Geological Survey, U.S. Department of the Interior, Geological Survey, 36 x 48 inch map, scale 1:500,000. Planimetric (no contours). \$9.00 <a href="#">PDF</a>
500SHADE	<b>Maine 1:500,000 Shaded</b> , U.S. Geological Survey, U.S. Department of the Interior, Geological Survey, 36 x 48 inch map, scale 1:500,000. Shaded relief. \$9.00 <a href="#">PDF</a>
500TOPO	<b>Maine 1:500,000 Topographic</b> , 1973, U.S. Geological Survey, U.S. Department of the Interior, Geological Survey, 36 x 48 inch map, scale 1:500,000. Topographic (contours). Printed copy unavailable <a href="#">PDF</a>

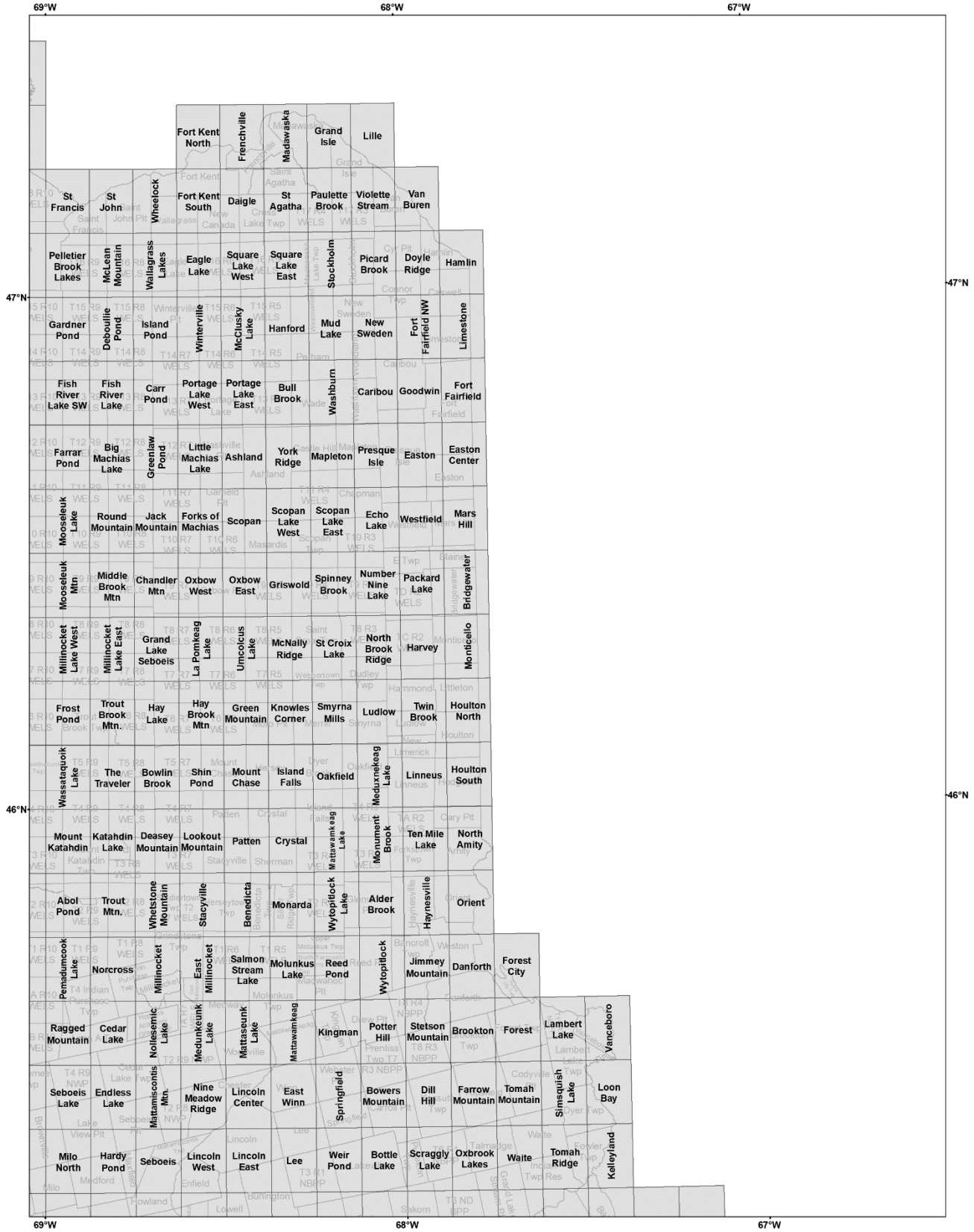
**APPENDIX A:**

**USGS Topographic Maps 1:24,000 – Northwestern Maine**



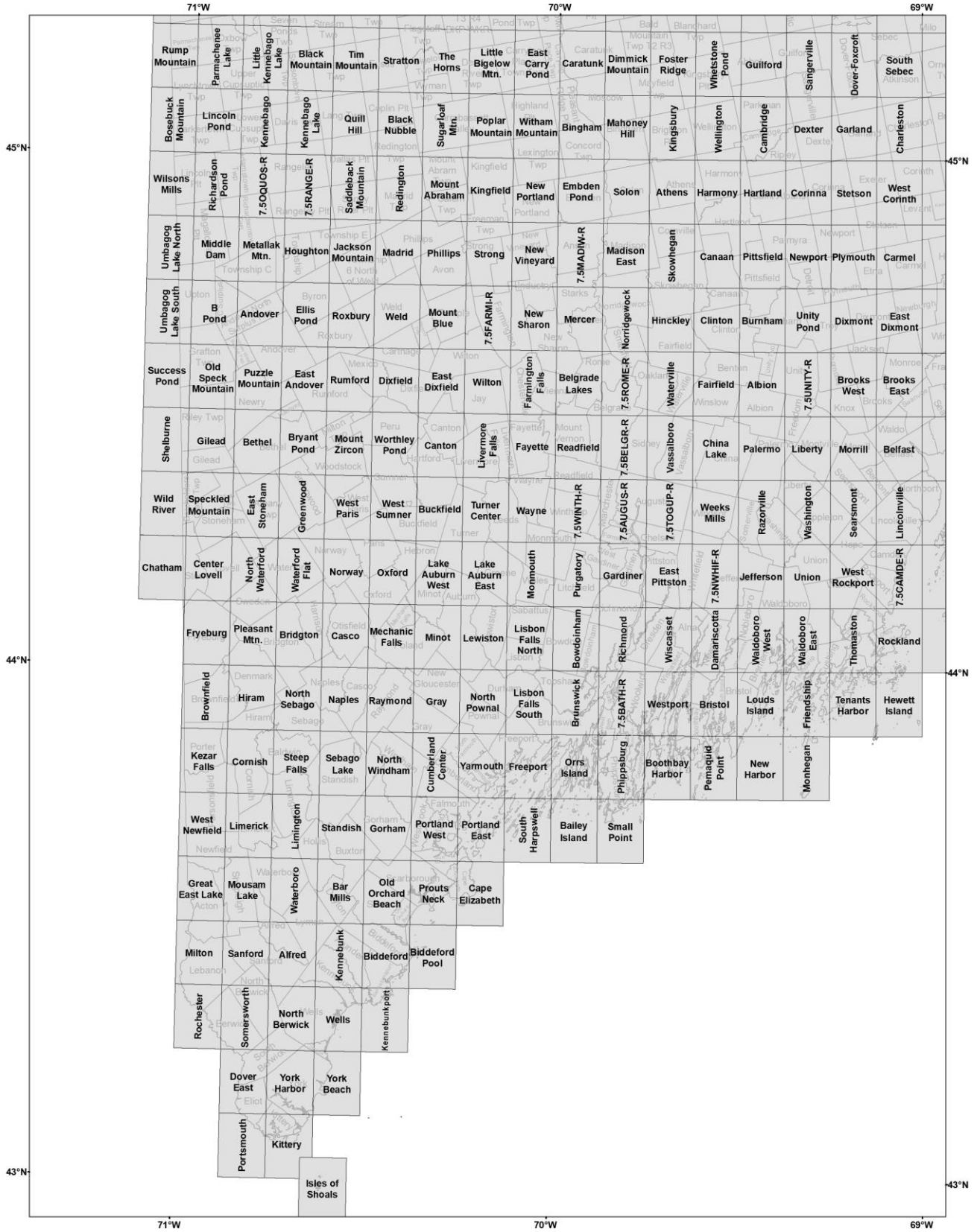
APPENDICES

USGS Topographic Maps 1:24,000 – Northeastern Maine



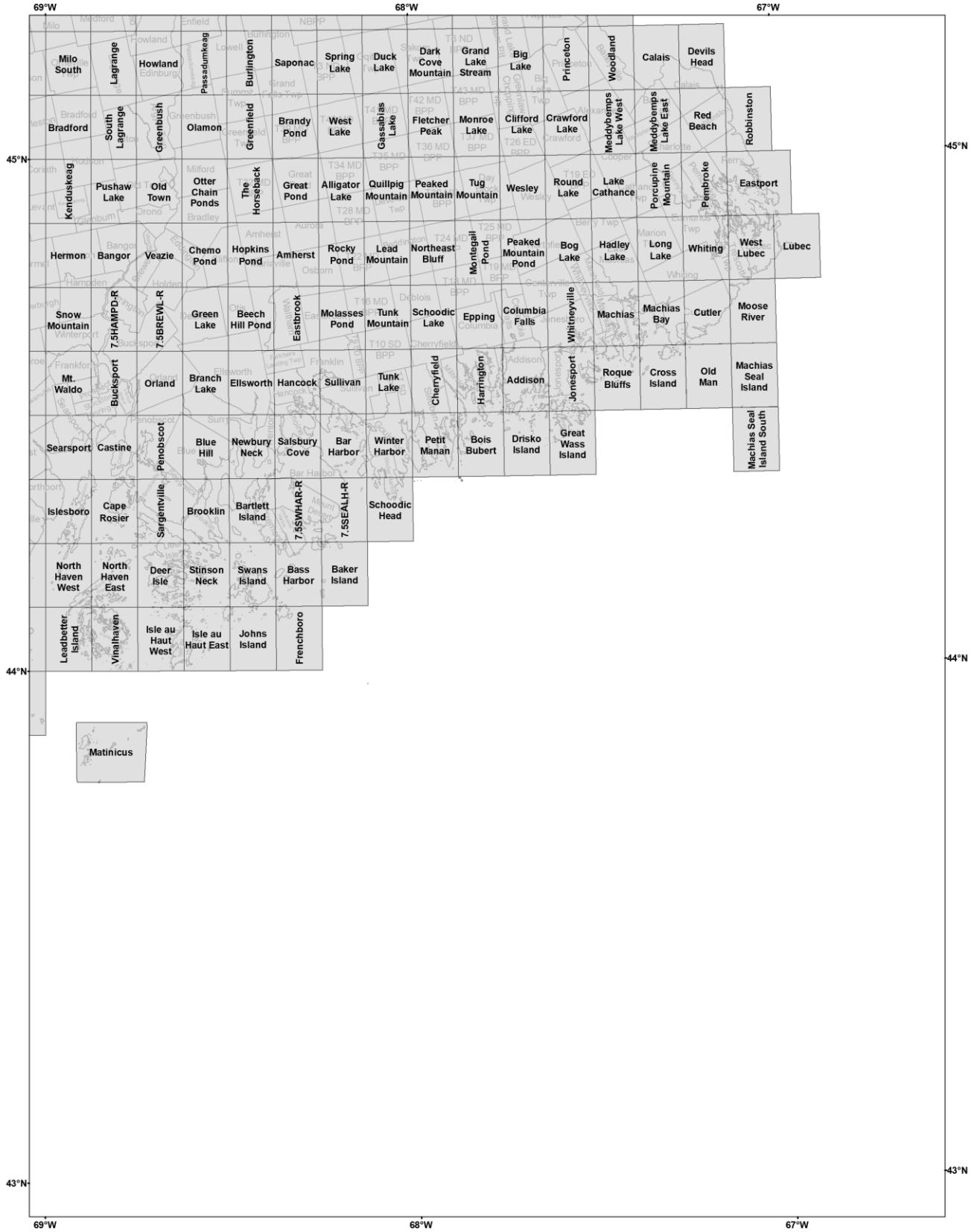
APPENDICES

USGS Topographic Maps 1:24,000 – Southwestern Maine



APPENDICES

USGS Topographic Maps 1:24,000 – Southeastern Maine

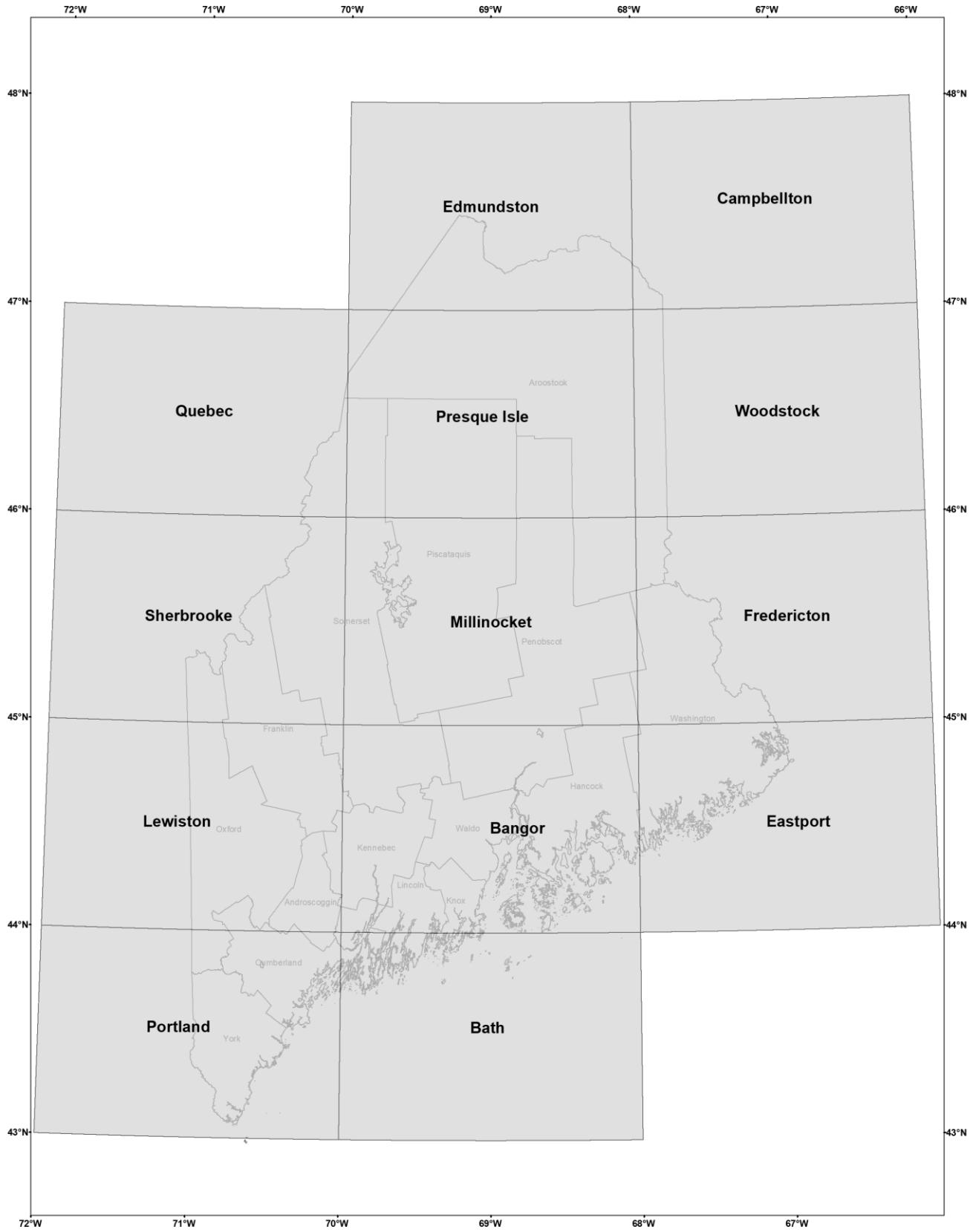


**APPENDIX B:**

**USGS Topographic Maps 1:100,000**

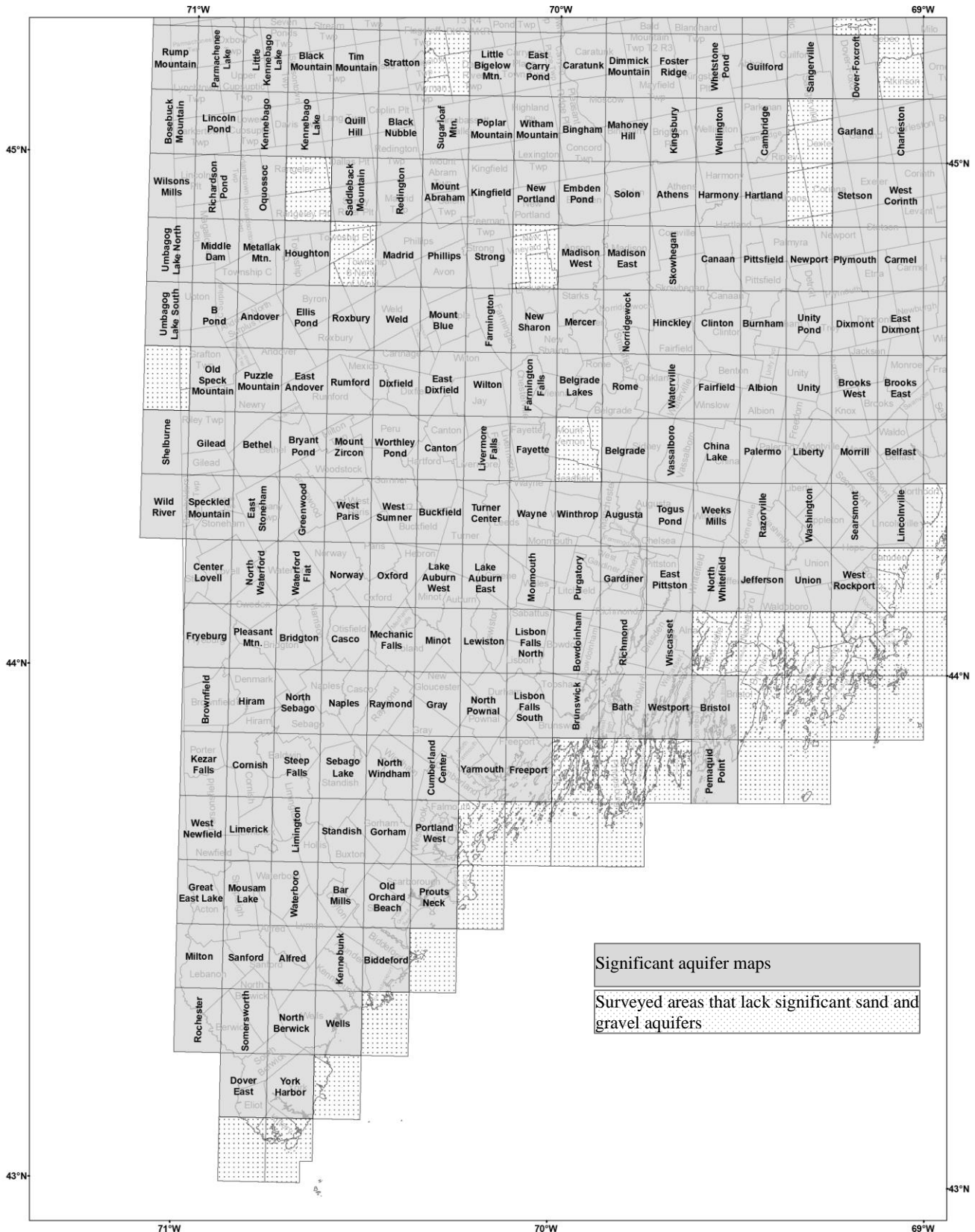


**APPENDIX C:**  
**USGS Topographic Maps 1:250,000**



**APPENDIX D:**

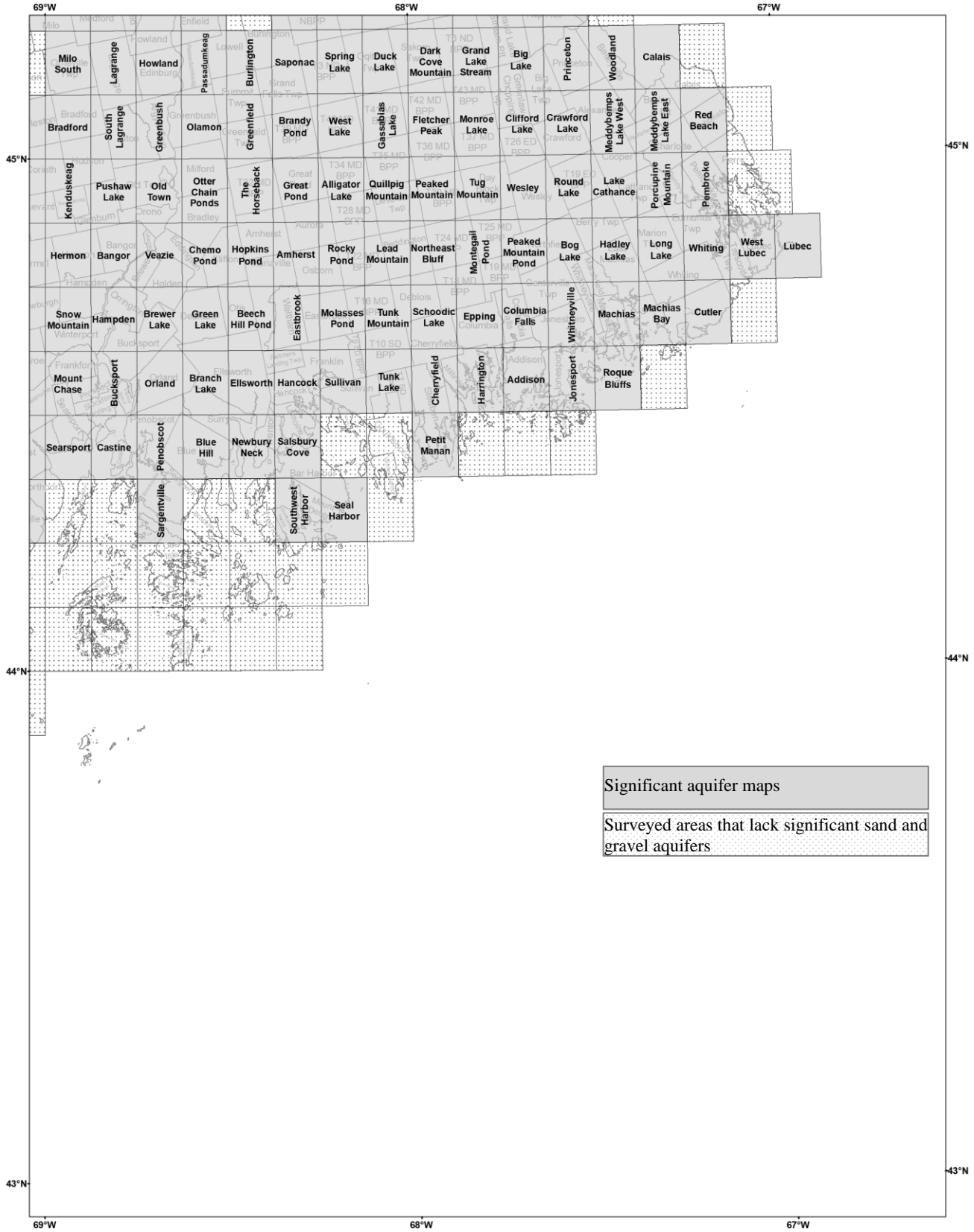
**Significant Sand and Gravel Aquifer Maps 1:24,000 – Southwestern Maine**





APPENDICES

Significant Sand and Gravel Aquifer Maps 1:24,000 – Southeastern Maine

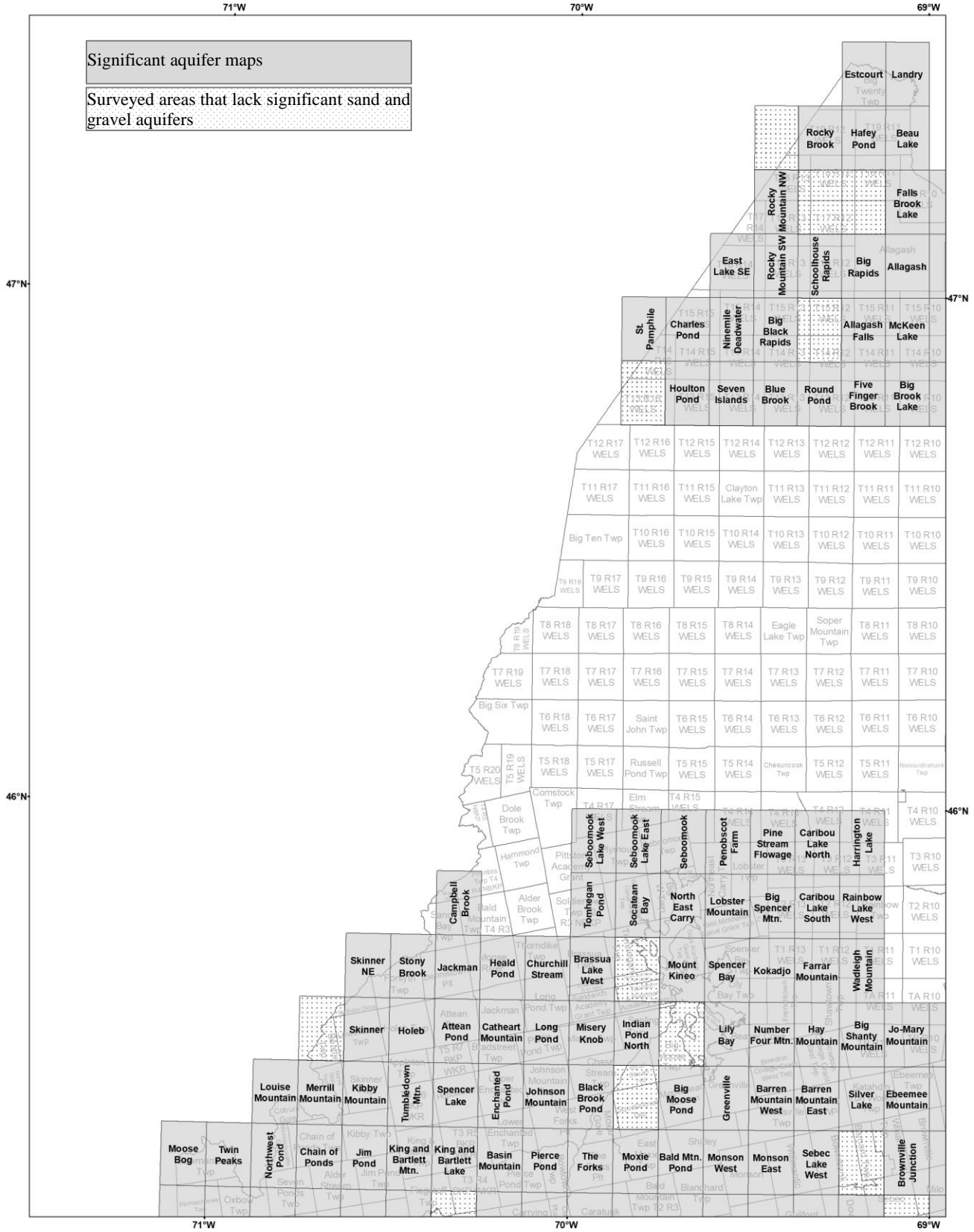


Significant aquifer maps

Surveyed areas that lack significant sand and gravel aquifers

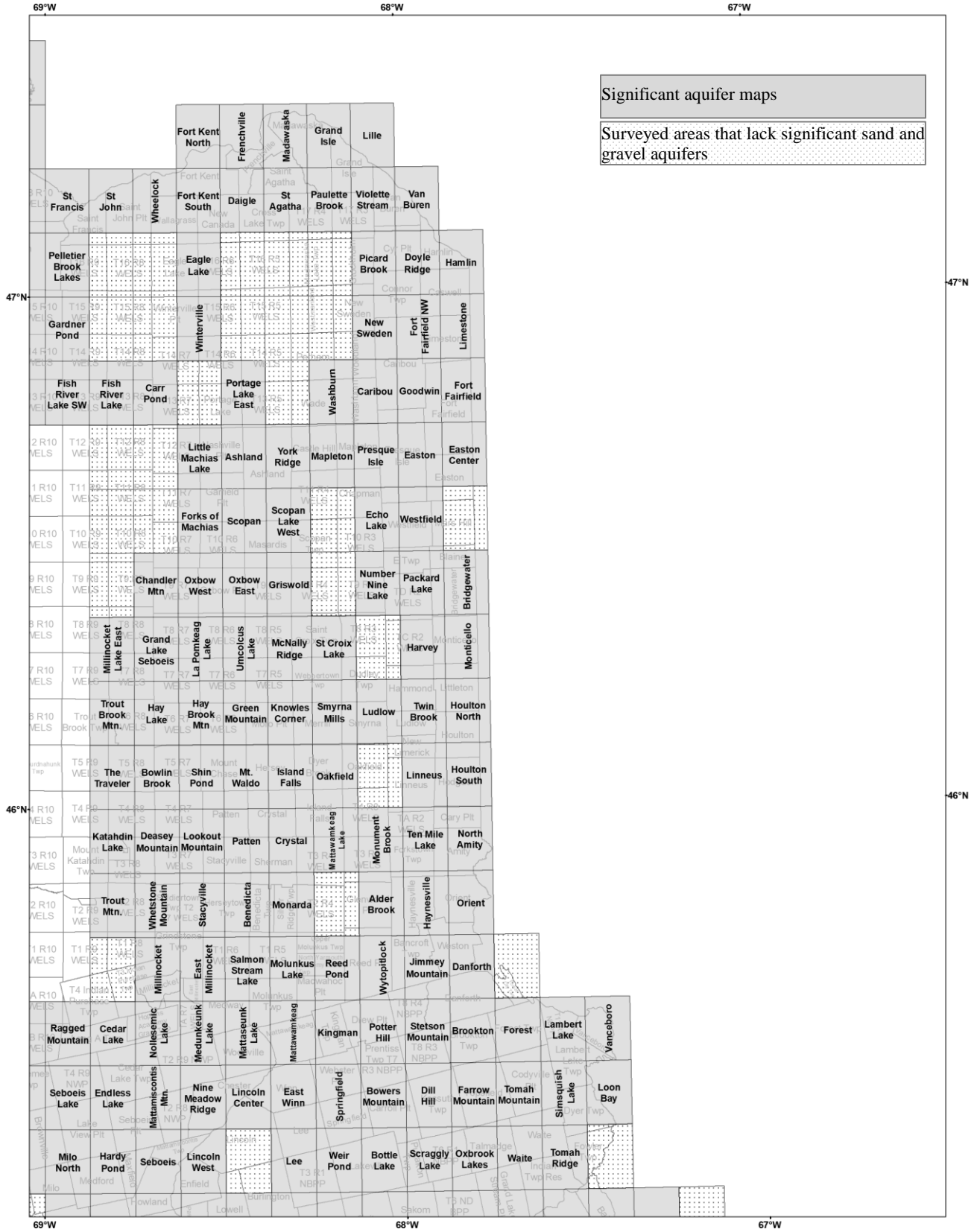
APPENDICES

Significant Sand and Gravel Aquifer Maps 1:24,000 – Northwestern Maine



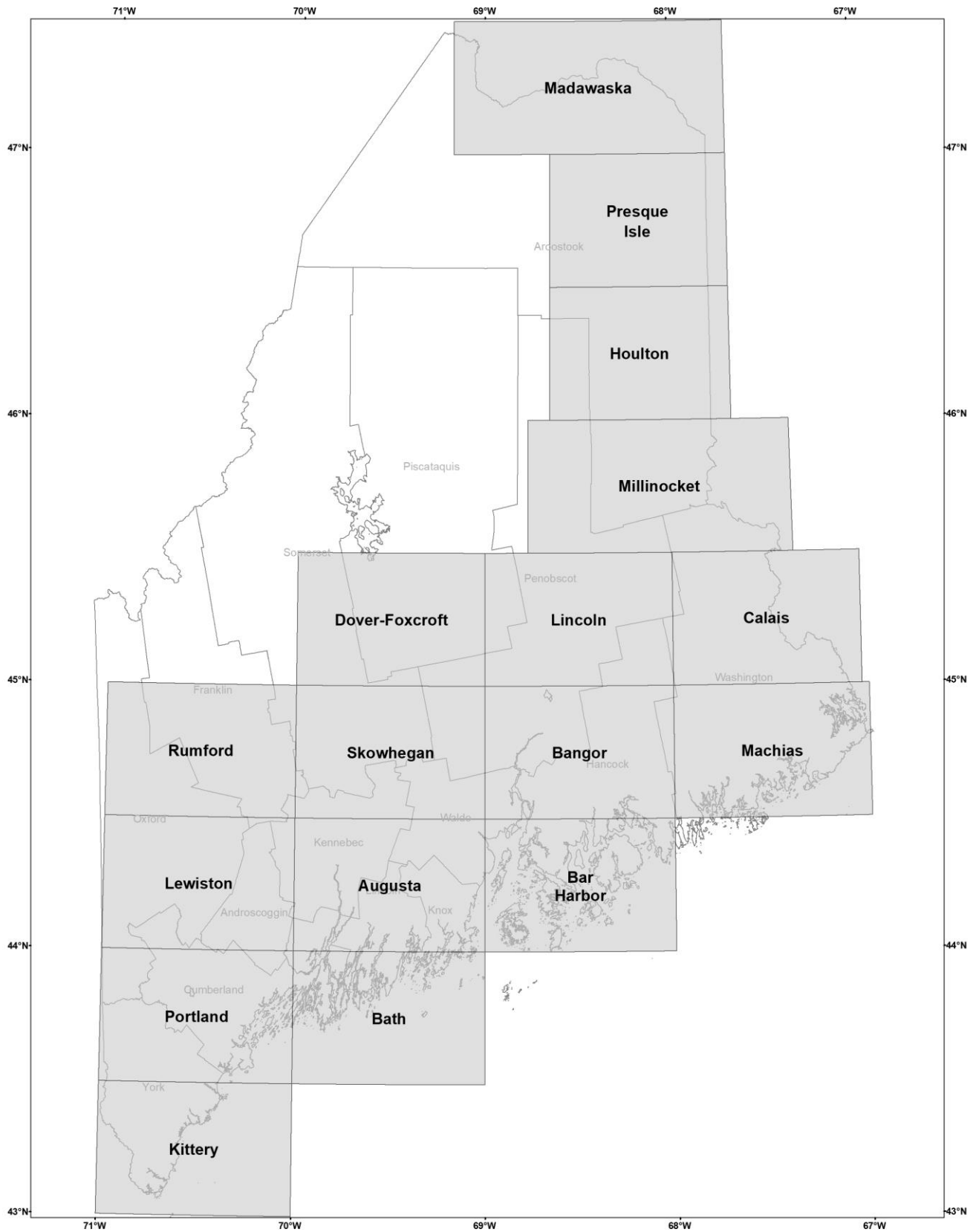
APPENDICES

Significant Sand and Gravel Aquifer Maps 1:24,000 – Northeastern Maine



**APPENDIX E:**

**Bedrock Groundwater Resources Basic Data Maps**



**APPENDIX F:**

**Surficial Geology Maps 1:24,000 – Southwestern Maine**

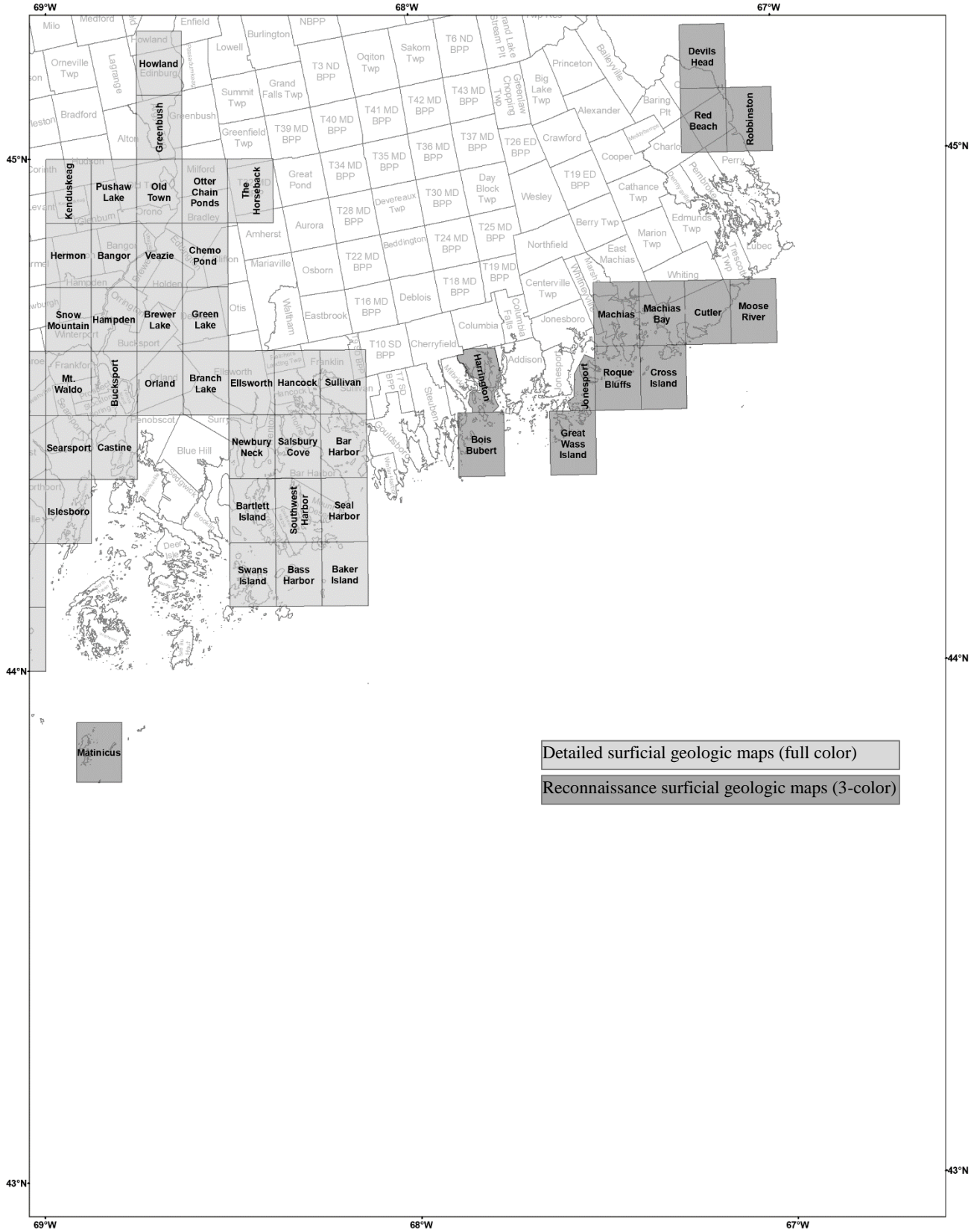


Detailed surficial geologic maps (full color)

Reconnaissance surficial geologic maps (3-color)

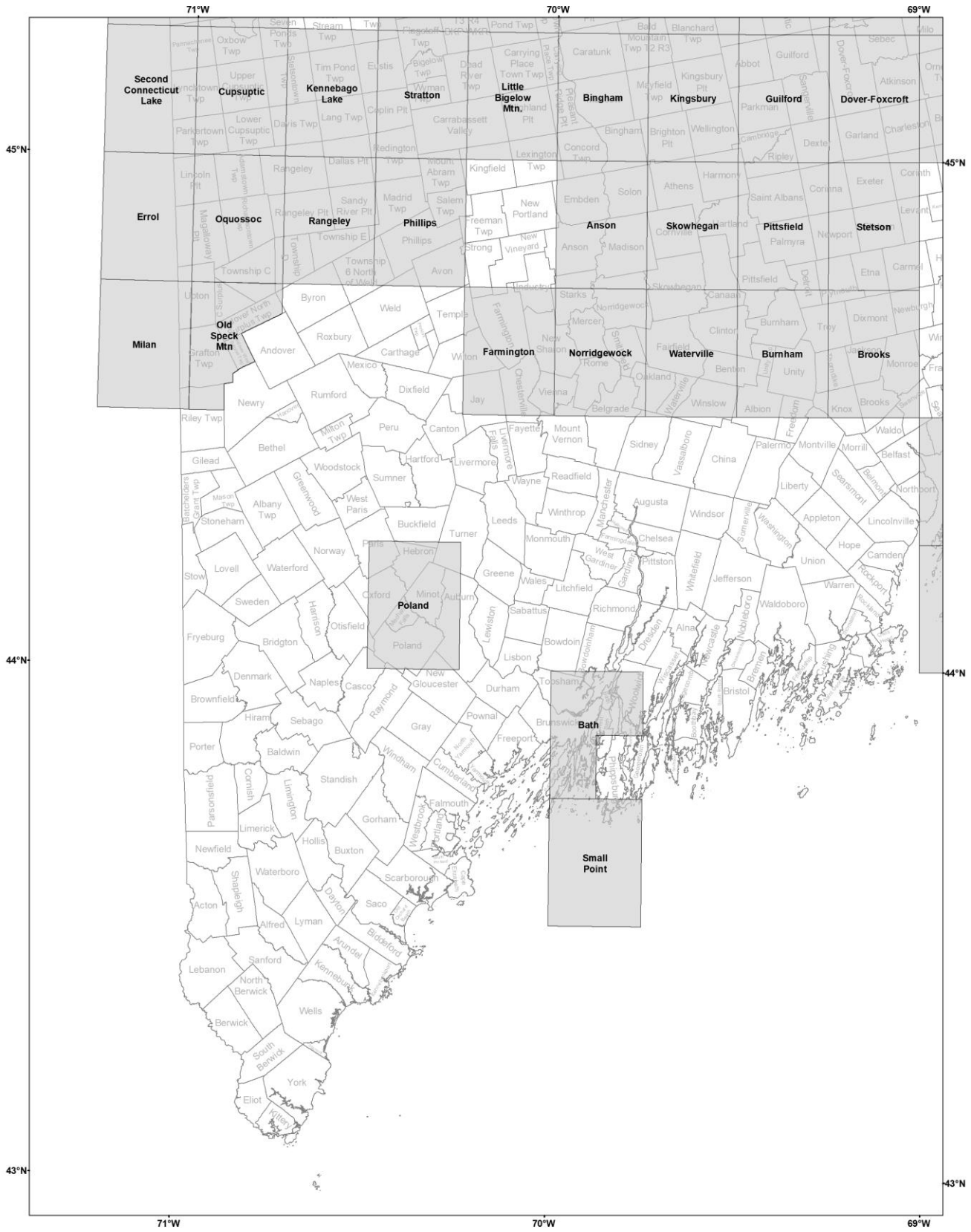
APPENDICES

**Surficial Geology Maps 1:24,000 – Southeastern Maine**



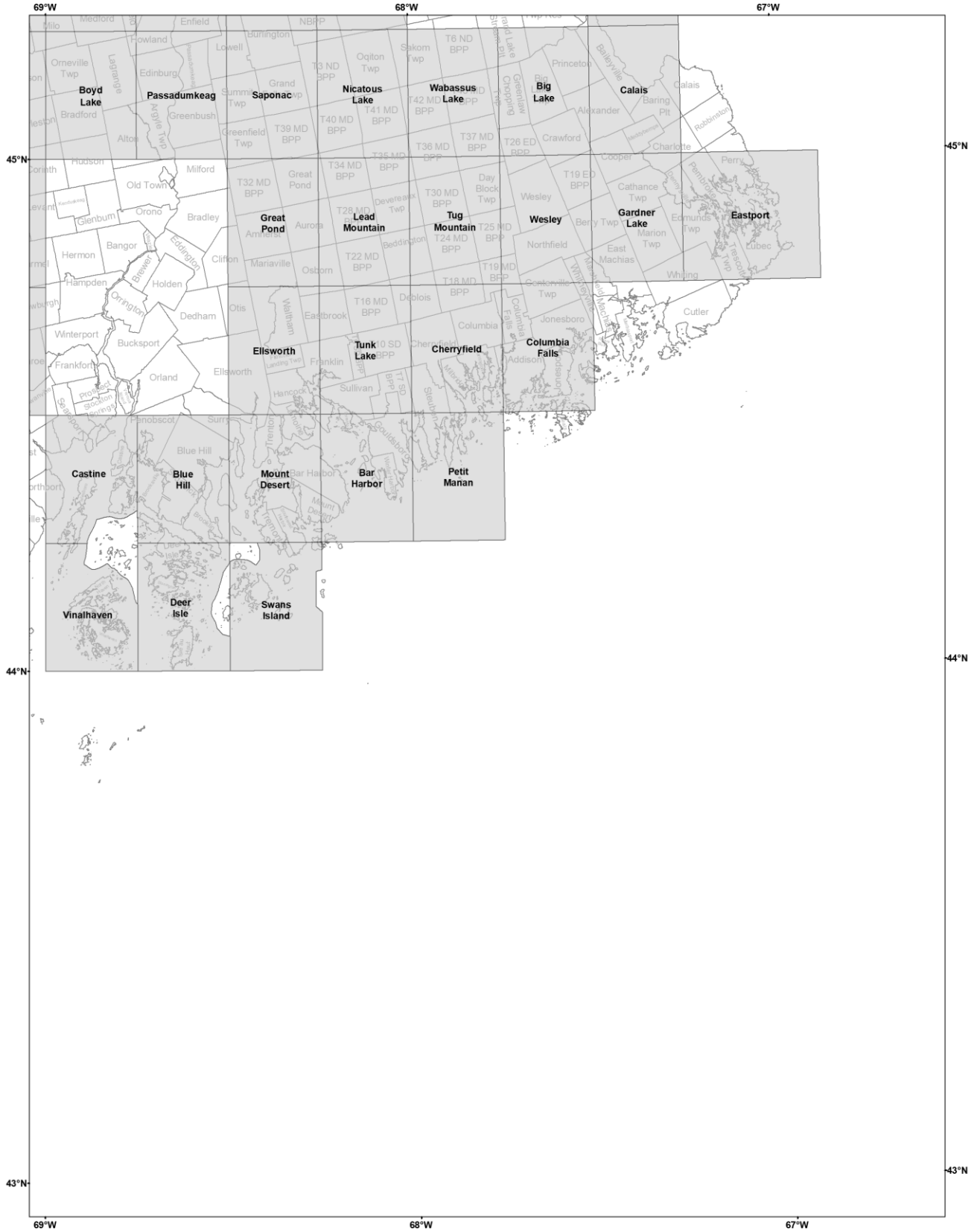
**APPENDIX G:**

**Surficial Geology Maps 1:62,500 – Southwestern Maine**



APPENDICES

Surficial Geology Maps 1:62,500 – Southeastern Maine





APPENDICES

Surficial Geology Maps 1:62,500 – Northwestern Maine



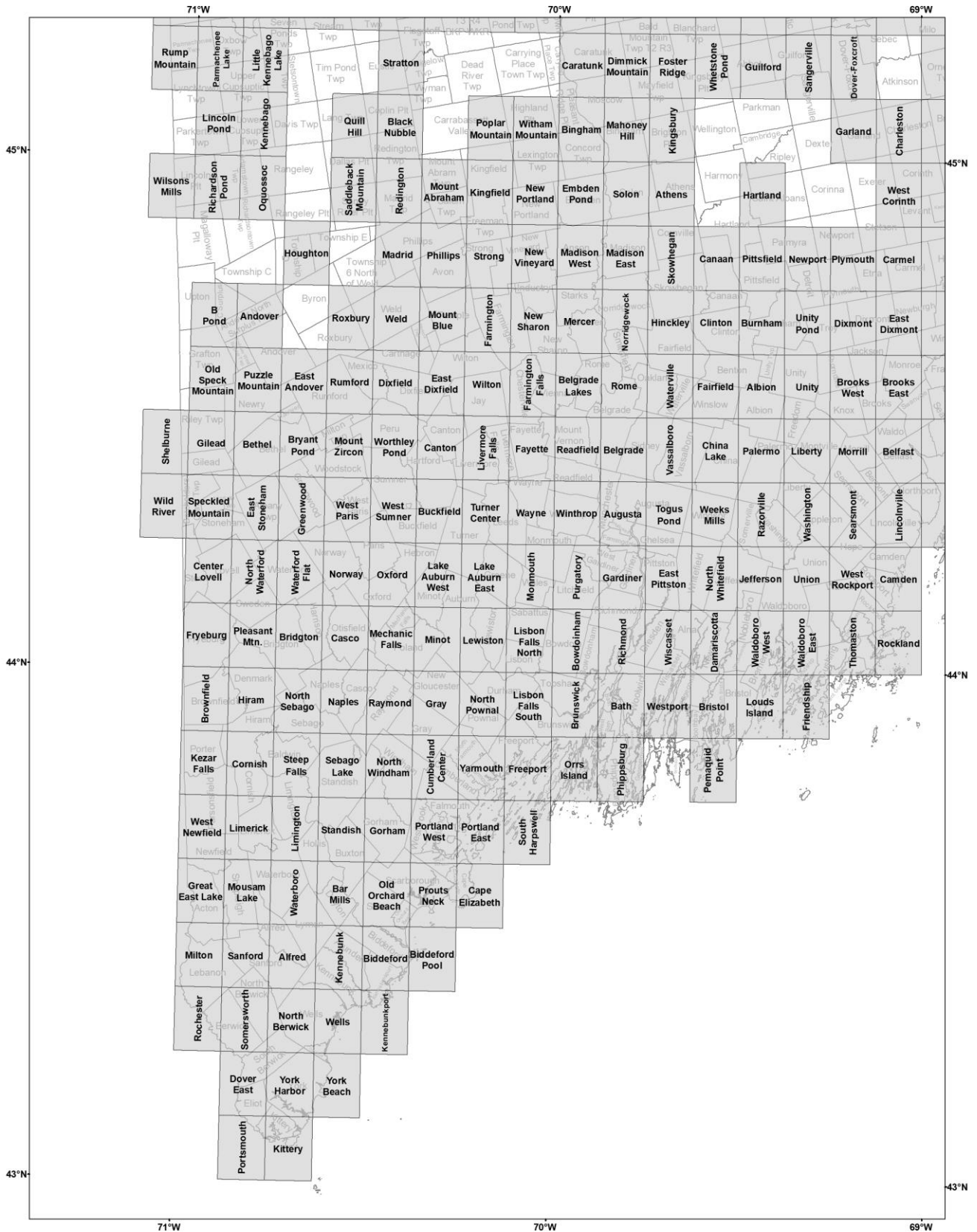
APPENDICES

Surficial Geology Maps 1:62,500 – Northeastern Maine



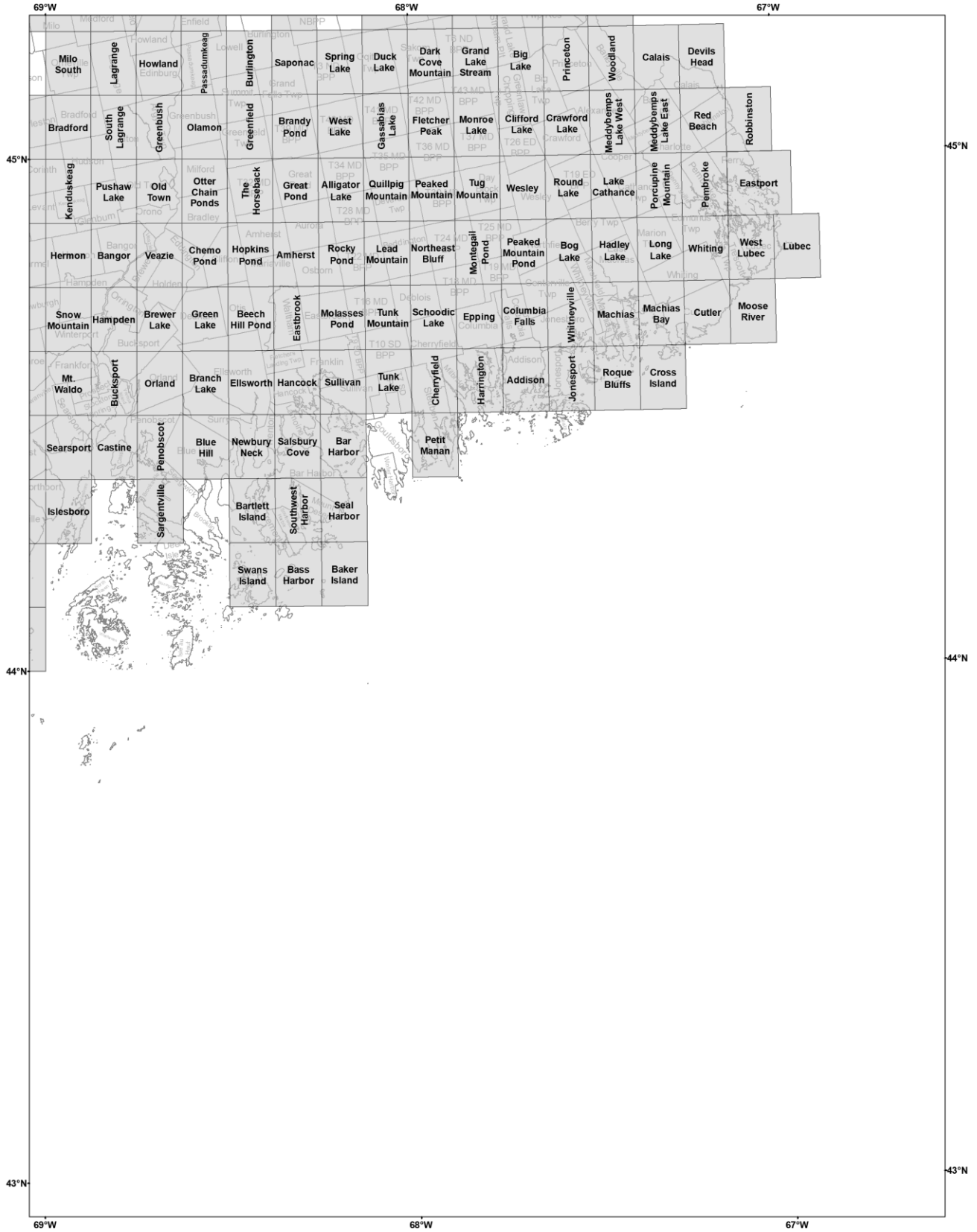
**APPENDIX H:**

**Surficial Materials Maps 1:24,000 – Southwestern Maine**



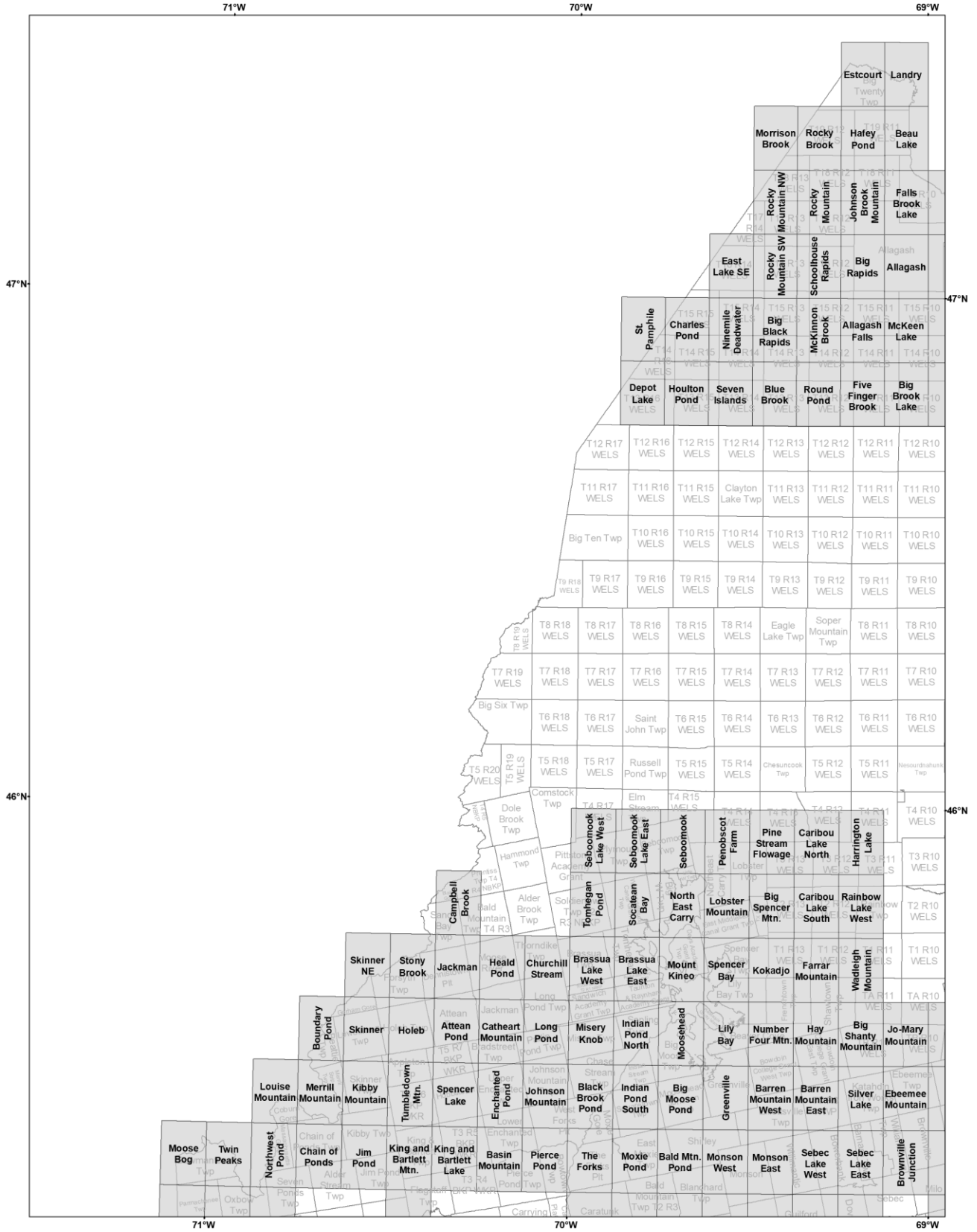
APPENDICES

Surficial Materials Maps 1:24,000 – Southeastern Maine



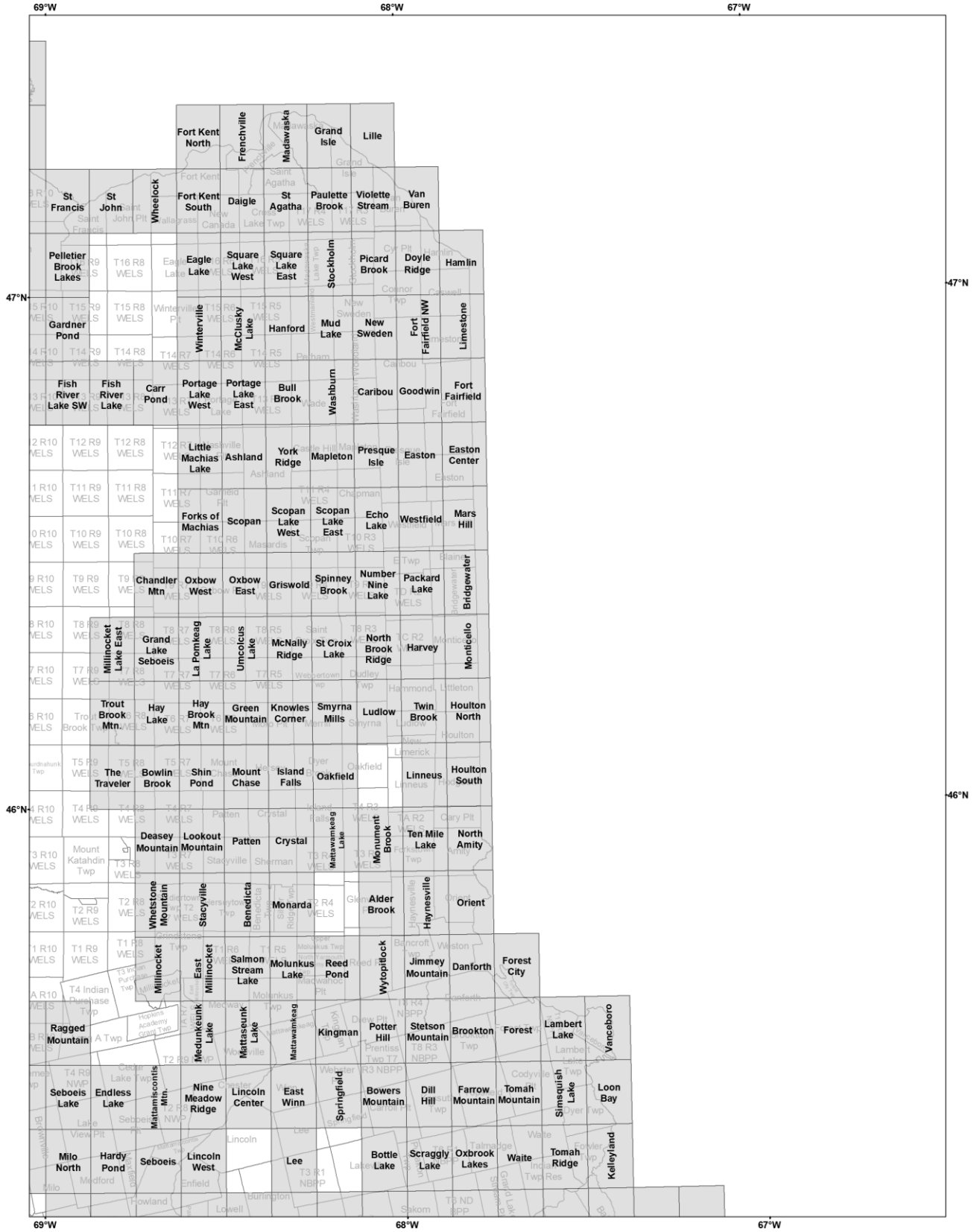
APPENDICES

Surficial Materials Maps 1:24,000 – Northwestern Maine



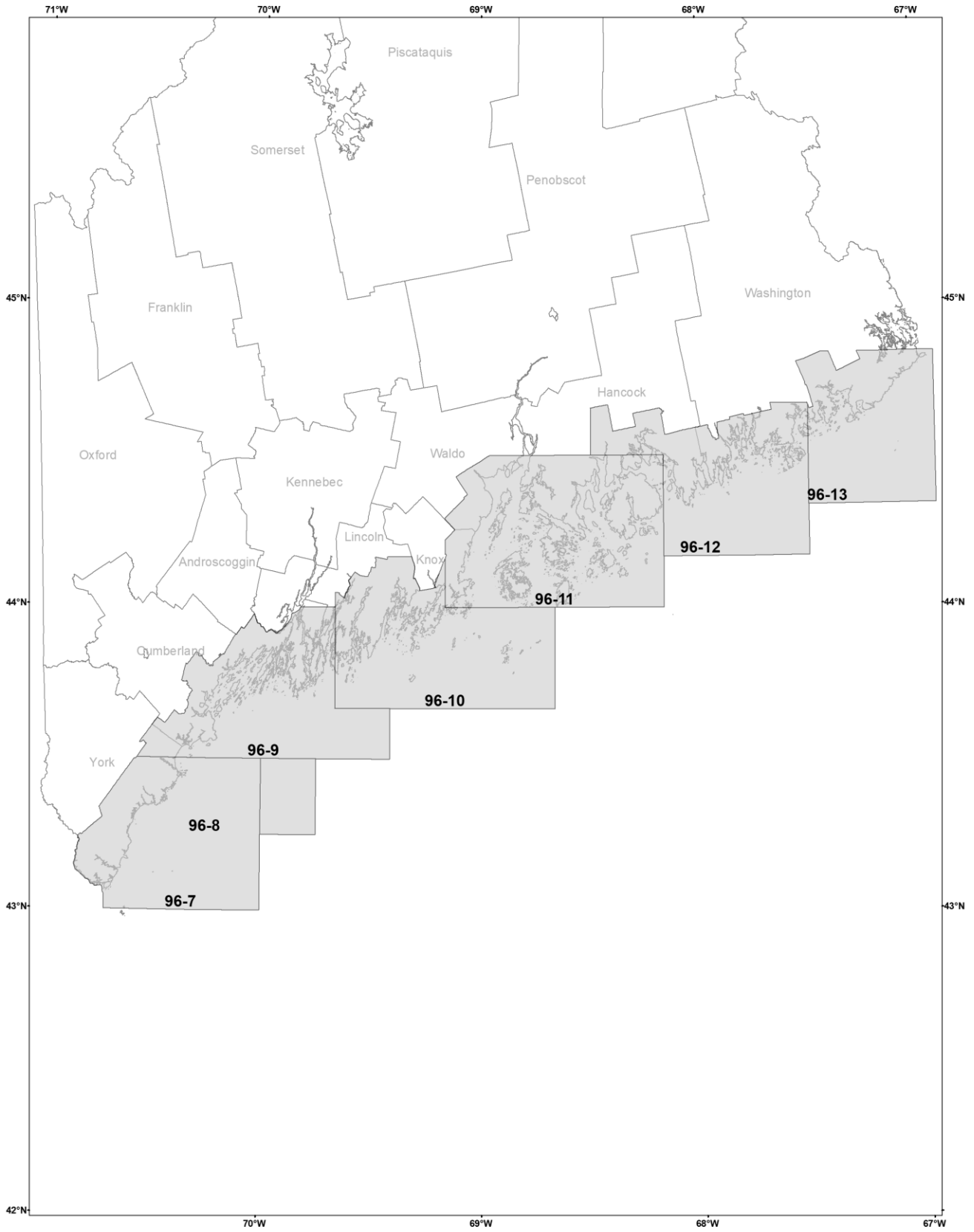
APPENDICES

Surficial Materials Maps 1:24,000 – Northeastern Maine



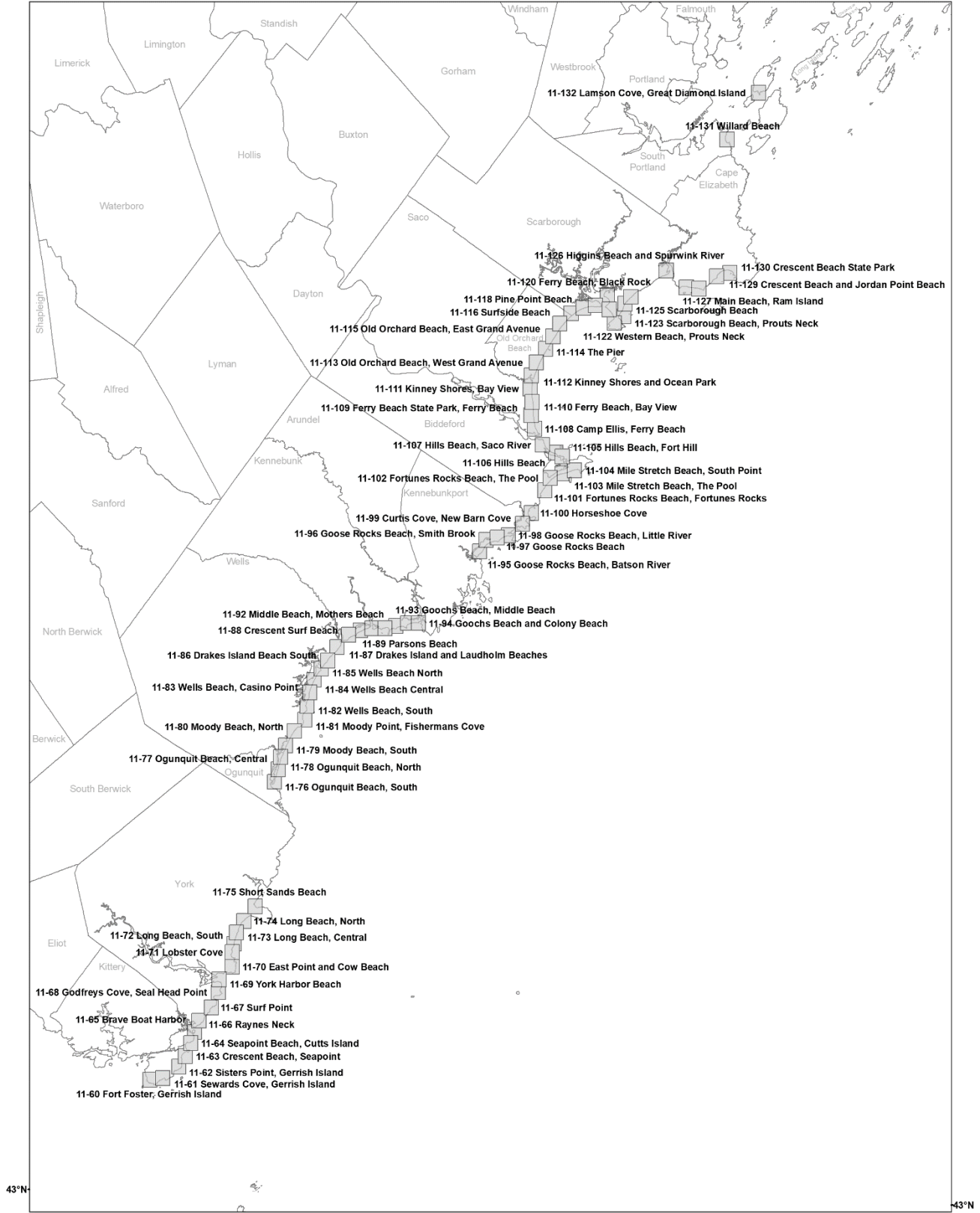
**APPENDIX I:**

**Surficial Geology of the Maine Inner Continental Shelf**



**APPENDIX J:**

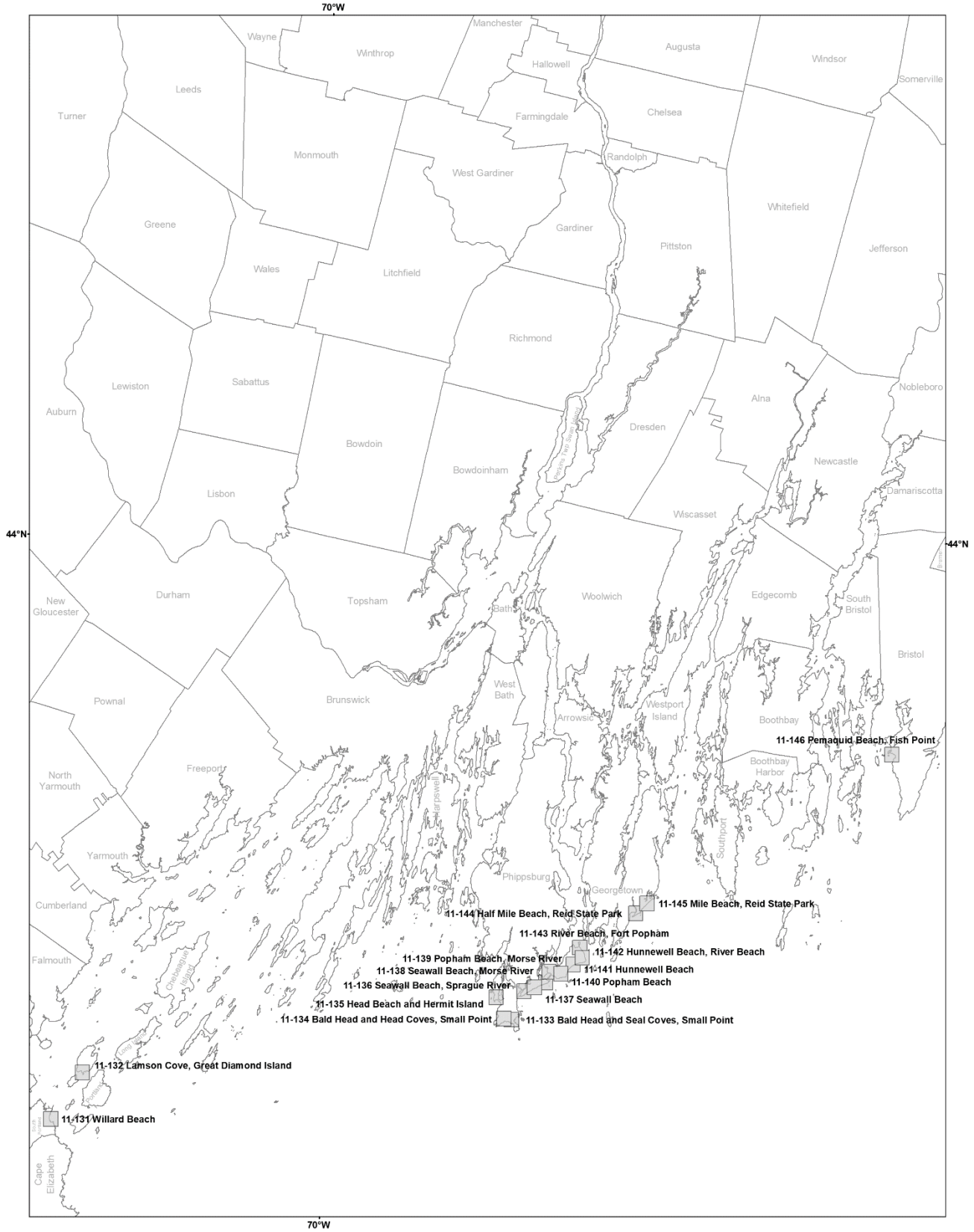
**Coastal Sand Dune Geology Maps 1:4,800 – Southern Coast**





APPENDICES

Coastal Sand Dune Geology Maps 1:4,800 - Midcoast



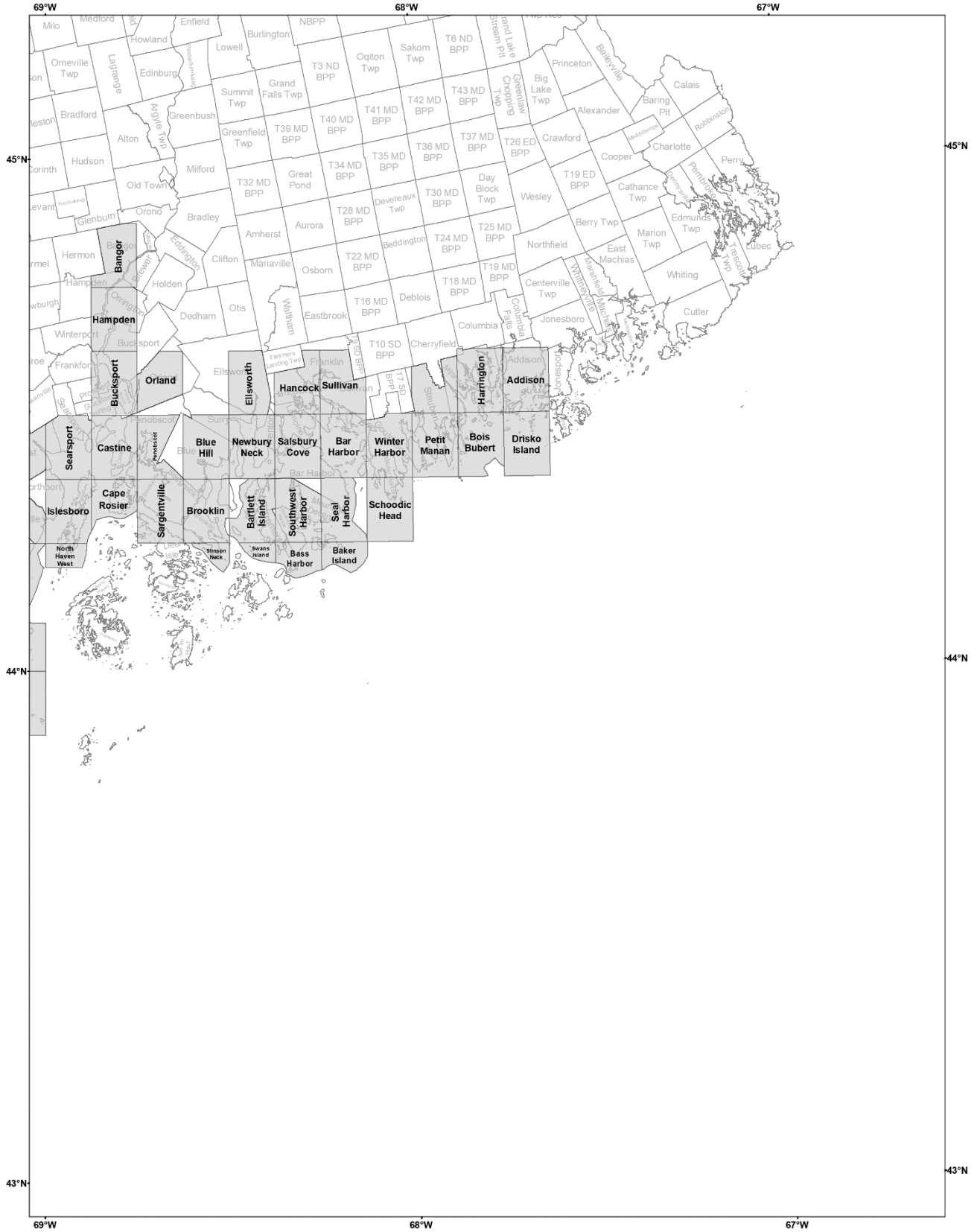
**APPENDIX K:**

**Coastal Bluff Maps 1:24,000 – Southwestern Maine**



APPENDICES

Coastal Bluff Maps 1:24,000 – Southeastern Maine



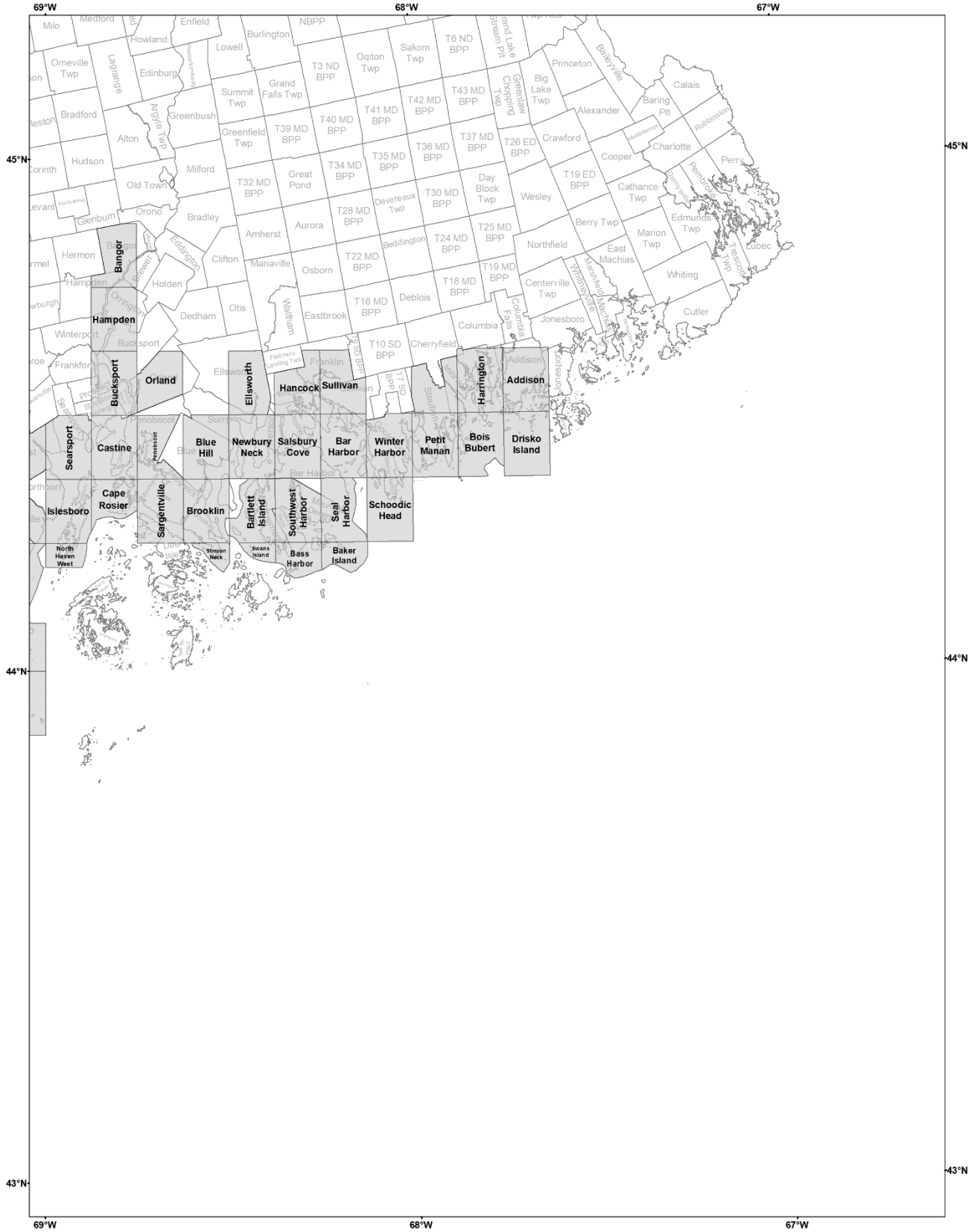
**APPENDIX L:**

**Coastal Landslide Hazard Maps 1:24,000 – Southwestern Maine**



APPENDICES

Coastal Landslide Hazard Maps 1:24,000 – Southeastern Maine



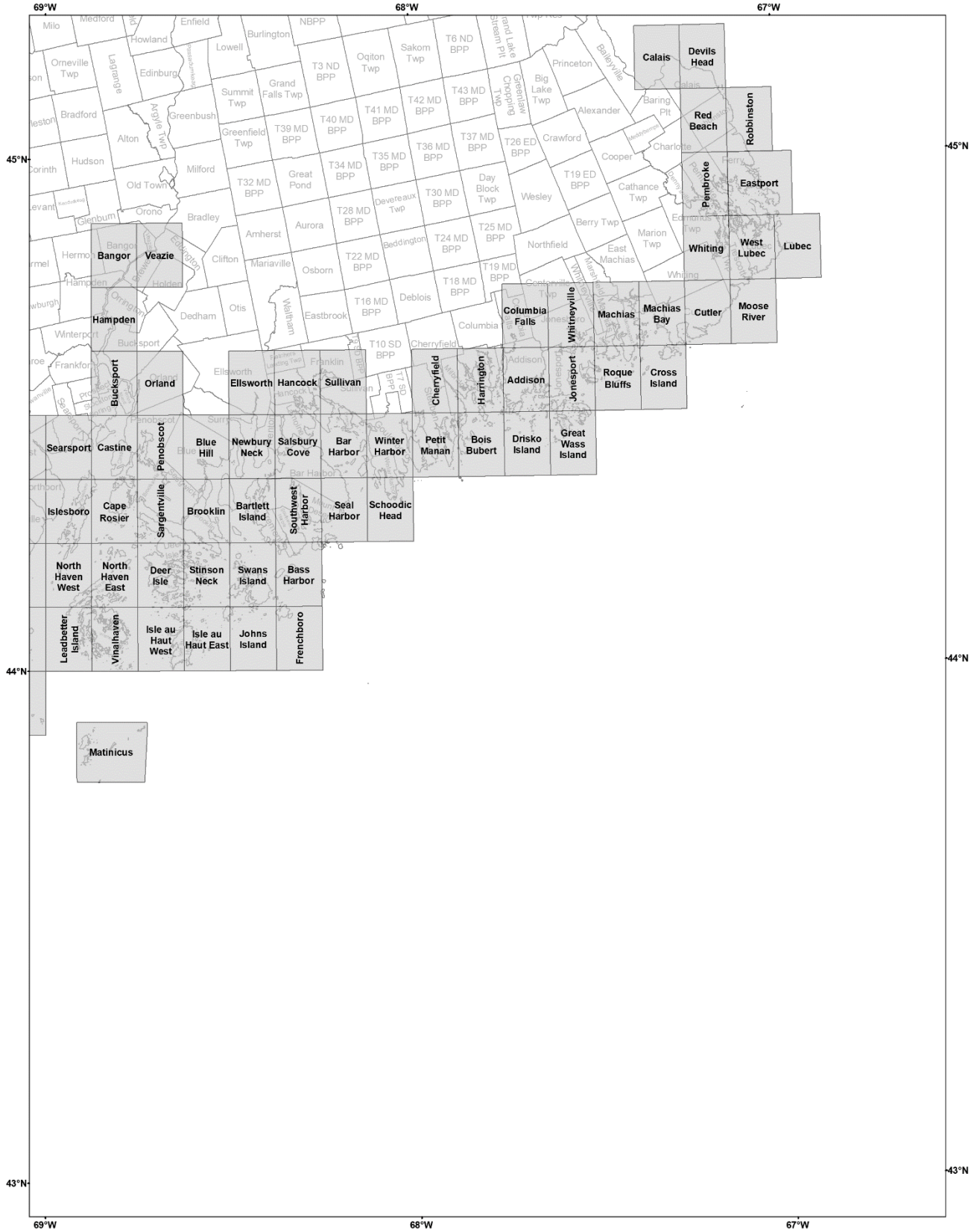
**APPENDIX M:**

**Coastal Marine Geologic Environments Maps 1:24,000 – Southwestern Maine**



APPENDICES

Coastal Marine Geologic Environments Maps 1:24,000 – Southeastern Maine



**APPENDIX N:**

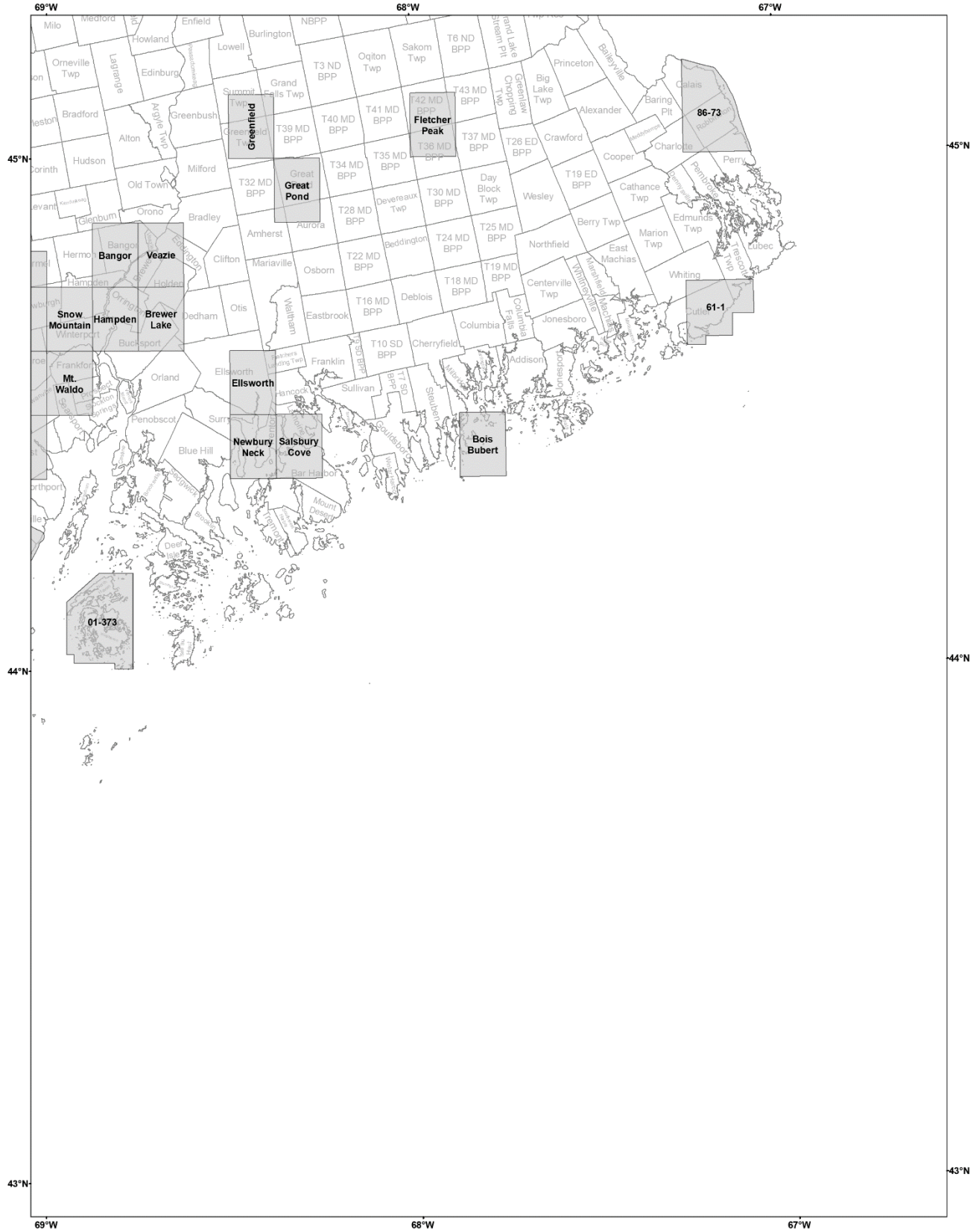
**Bedrock Geology Maps 1:24,000 or larger – Southwestern Maine**





APPENDICES

Bedrock Geology Maps 1:24,000 or larger – Southeastern Maine

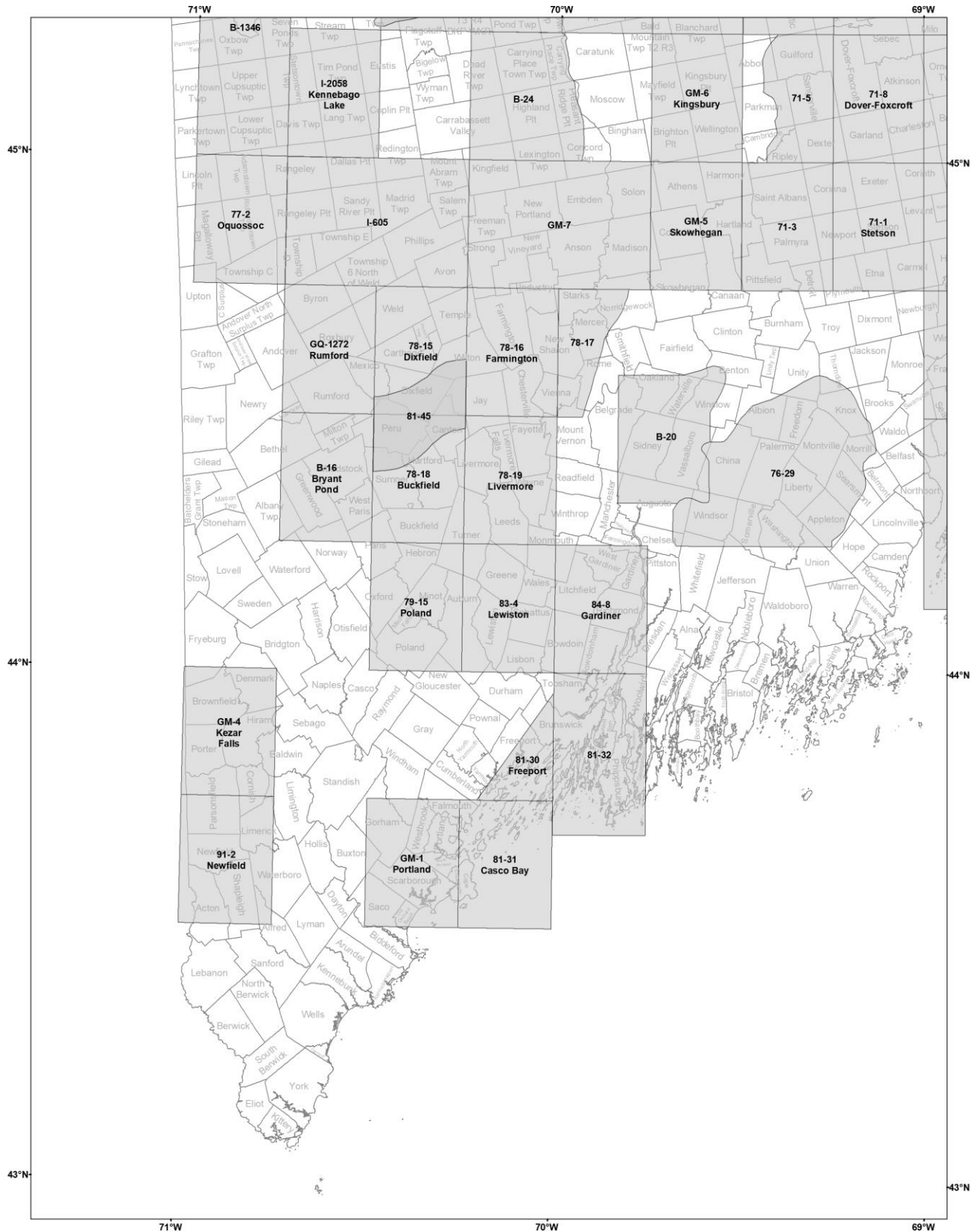


APPENDICES

Bedrock Geology Maps 1:24,000 or larger – Northeastern Maine

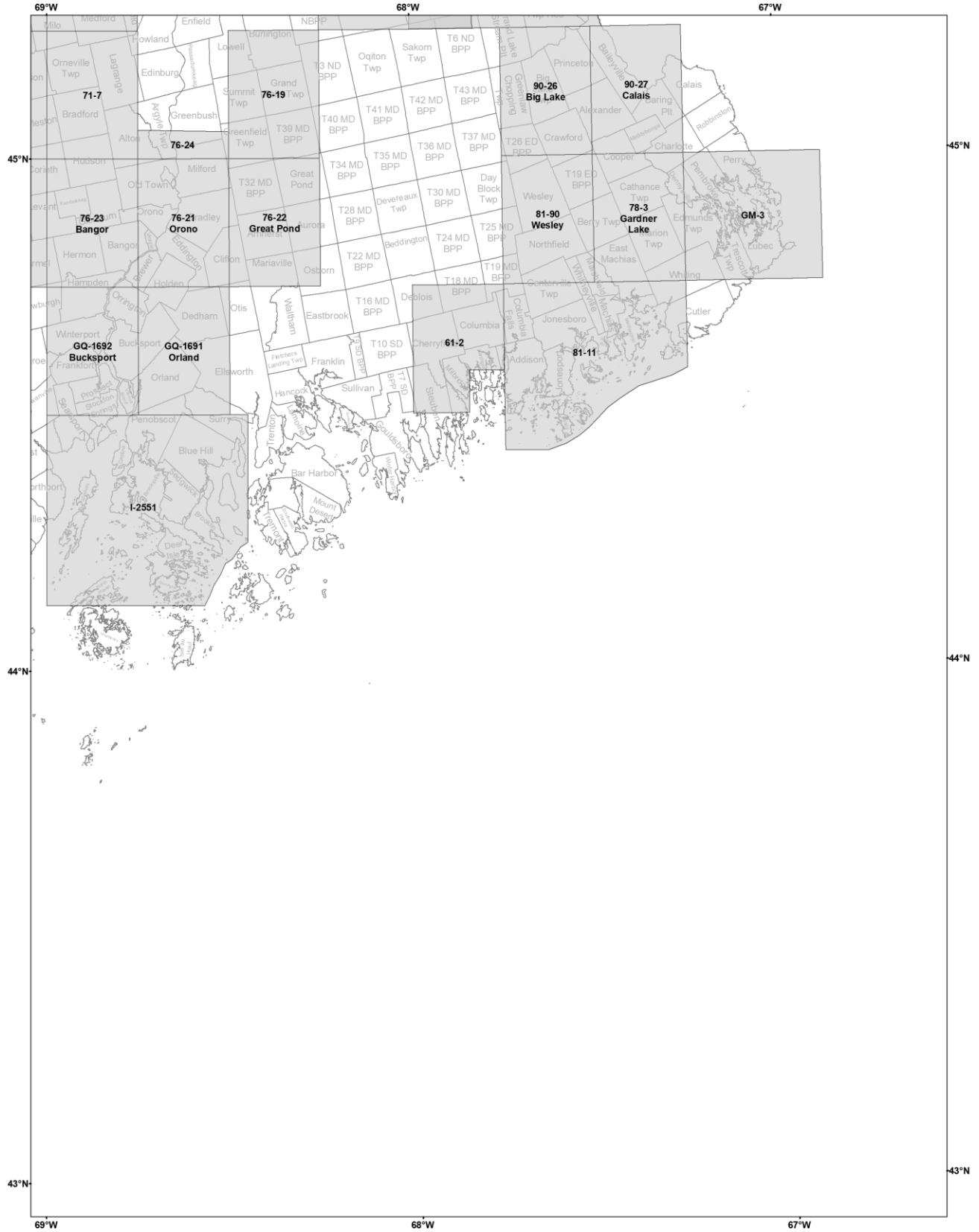


**APPENDIX O:**  
**Bedrock Geology Maps 1:62,500 – Southwestern Maine**



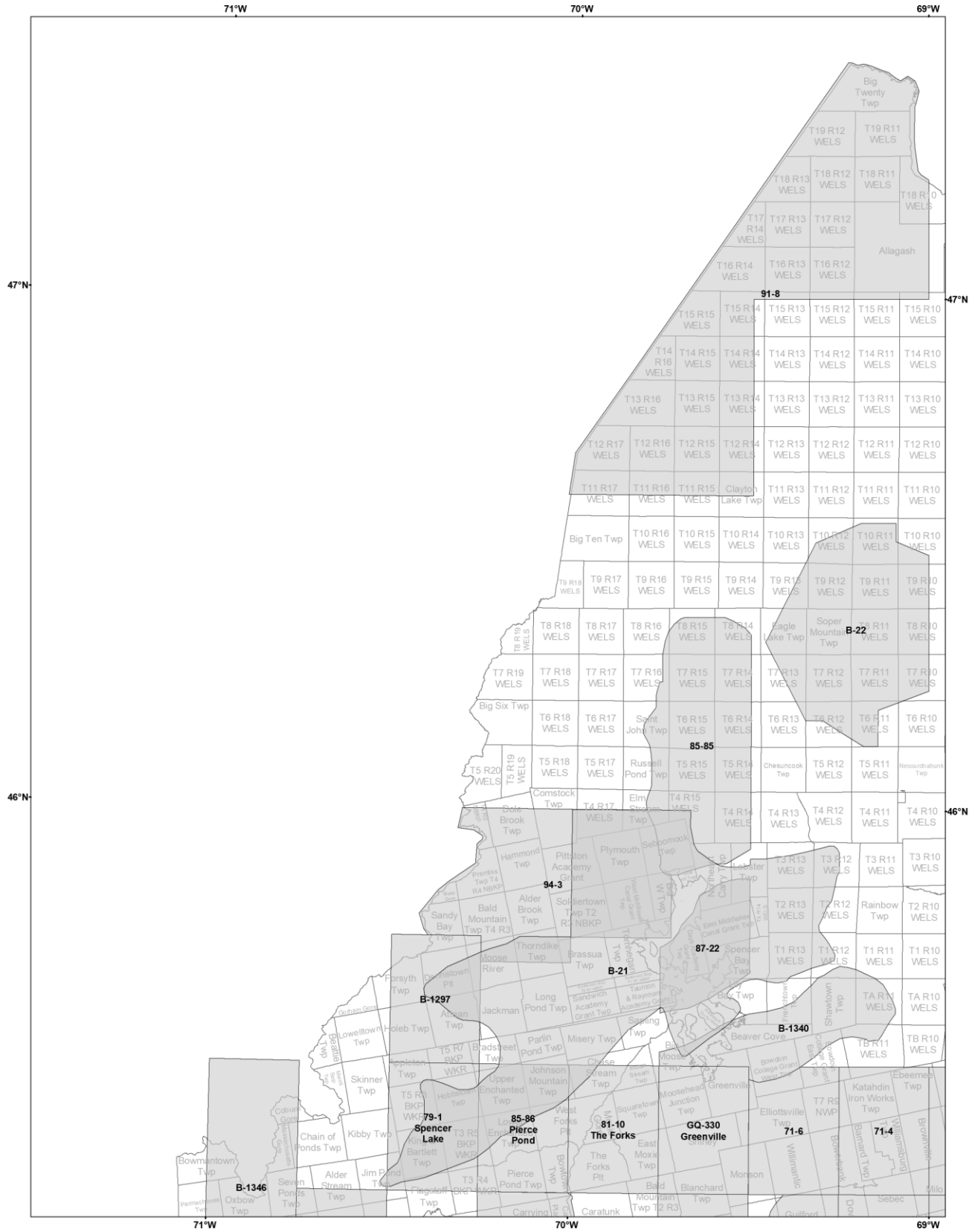
APPENDICES

Bedrock Geology Maps 1:62,500 – Southeastern Maine



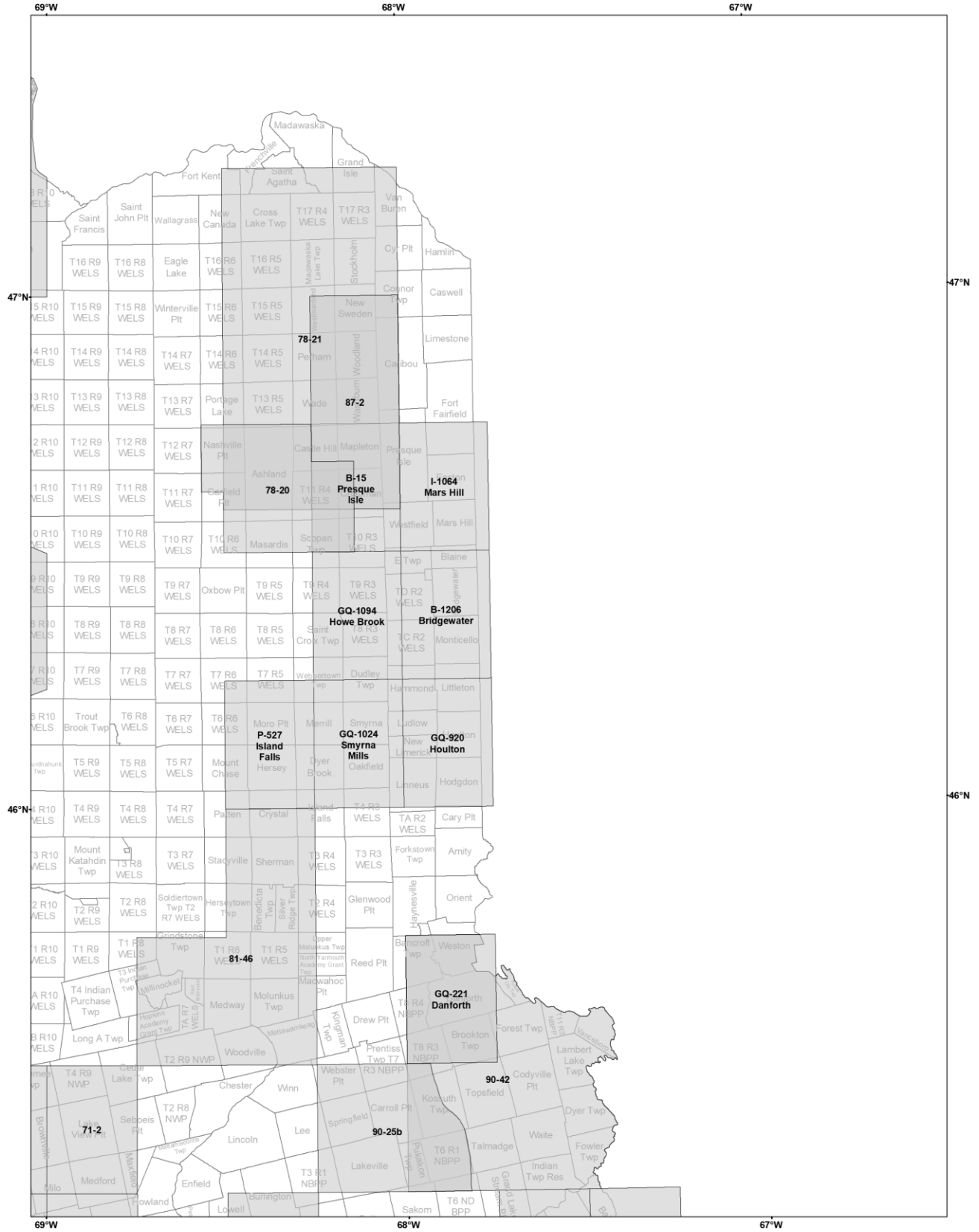
APPENDICES

Bedrock Geology Maps 1:62,500 – Northwestern Maine

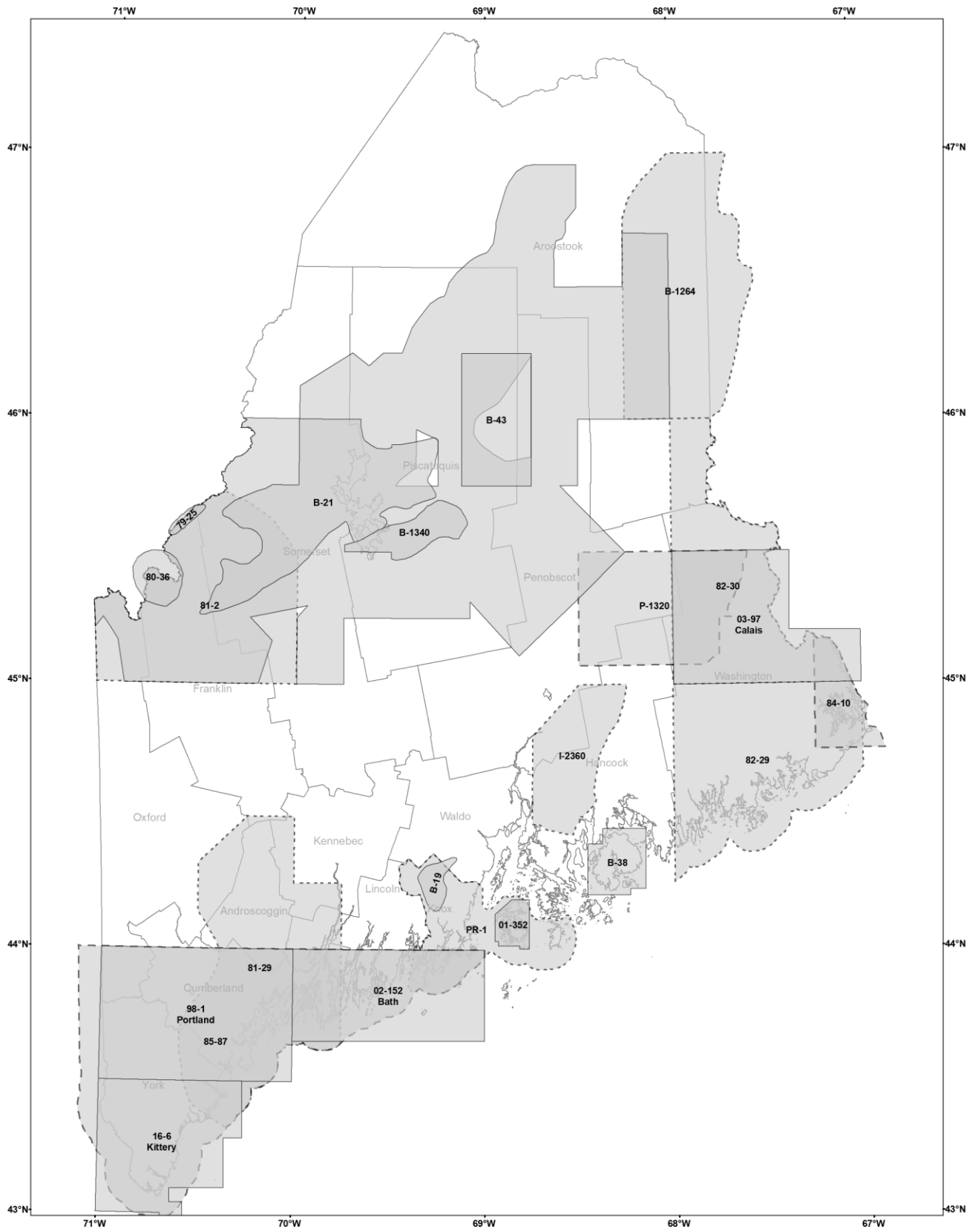


APPENDICES

Bedrock Geology Maps 1:62,500 – Northeastern Maine



**APPENDIX P:**  
**Bedrock Geology Maps (regional)**



# PUBLICATION ORDER FORM

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