**Comprehensive Planning Resource Packages**

**April 2021**

**Geological information from the Maine Geological Survey**

**Casco**

Significant Sand and Gravel Aquifer Maps:

Neil, Craig D. (Compiler), and Locke, Daniel B. (Mapper), 1998, [Significant sand and gravel aquifers in the Casco quadrangle, Maine](https://digitalmaine.com/mgs_maps/1272): Maine Geological Survey, Open-File Map 98-151, map, scale 1:24,000.

Neil, Craig D. (Compiler), and Locke, Daniel B. (Mapper), 1998, [Significant sand and gravel aquifers in the Mechanic Falls quadrangle, Maine](https://digitalmaine.com/mgs_maps/1271): Maine Geological Survey, Open-File Map 98-152, map, scale 1:24,000.

Neil, Craig D. (Compiler), and Retelle, Michael J. (Mapper), 1998, [Significant sand and gravel aquifers in the Raymond quadrangle, Maine](https://digitalmaine.com/mgs_maps/1269): Maine Geological Survey, Open-File Map 98-155, map, scale 1:24,000.

Neil, Craig D. (Compiler), and Hildreth, Carol T. (Mapper), 1998, [Significant sand and gravel aquifers in the Naples quadrangle, Maine](https://digitalmaine.com/mgs_maps/1226): Maine Geological Survey, Open-File Map 98-154, map, scale 1:24,000.

Surficial geology maps:

Hildreth, Carol T., 2000, [Surficial geology of the Casco quadrangle, Cumberland and Oxford Counties, Maine](https://digitalmaine.com/mgs_publications/269): Maine Geological Survey, Open-File Report 00-142, 7 p..

Hildreth, Carol T., 2000, [Surficial geology of the Casco quadrangle, Maine](https://digitalmaine.com/mgs_maps/1025): Maine Geological Survey, Open-File Map 00-141, map, scale 1:24,000.

Hildreth, Carol T., 2001, [Surficial geology of the Mechanic Falls quadrangle, Androscoggin, Cumberland, and Oxford Counties, Maine](https://digitalmaine.com/mgs_publications/273): Maine Geological Survey, Open-File Report 01-479, 5 p..

Hildreth, Carol T., 2001, [Surficial geology of the Mechanic Falls quadrangle, Maine](https://digitalmaine.com/mgs_maps/1026): Maine Geological Survey, Open-File Map 01-478, map, scale 1:24,000.

Retelle, Michael J., 1997, [Surficial geology of the Raymond quadrangle, Maine](https://digitalmaine.com/mgs_maps/769): Maine Geological Survey, Open-File Map 97-57, map, scale 1:24,000.

Retelle, Michael J., 1997, [Surficial geology of the Raymond 7.5-minute quadrangle, Cumberland County, Maine](https://digitalmaine.com/mgs_publications/227): Maine Geological Survey, Open-File Report 97-72, 8 p..

Hildreth, Carol T., 1997, [Surficial geology of the Naples 7.5-minute quadrangle, Cumberland County, Maine](https://digitalmaine.com/mgs_publications/218): Maine Geological Survey, Open-File Report 97-65, 9 p..

Hildreth, Carol T., 1997, [Surficial geology of the Naples quadrangle, Maine](https://digitalmaine.com/mgs_maps/762): Maine Geological Survey, Open-File Map 97-50, map, scale 1:24,000.

Sand and gravel aquifer map information

From the map explanation:





Surficial geology information

Surficial deposits are the unconsolidated earth materials that overlie bedrock. They cover a large percentage of the State and include sediments deposited by wind, water, and glacial ice. Glacial deposits are by far the most abundant surficial materials in Maine.

Consideration of surficial materials is important for land-use planning. The properties of these materials affect their values as aquifers, landfill or sewage disposal sites, construction sites, and sources of gravel and other resources.

Glacial sand and gravel deposits: These coarse-grained deposits are often good groundwater aquifers; sources of gravel aggregate

Glacial marine mud and lake deposits: these fine-grained deposits are poorly drained and are the material in which most landslides occur in Maine.

Further information can be found in [Bulletin 44: Surficial geology handbook for southern Maine.](http://digitalmaine.com/mgs_publications/2/)

All maps, reports, and digital data are available from the Maine Geological Survey

<http://www.maine.gov/dacf/mgs/>

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