

Nonpoint Source Priority Watersheds List

STREAMS**Impaired Streams**

As a starting point, all rivers and streams on the 2012 Integrated Water Quality Monitoring and Assessment Report Impaired List due to nonpoint source pollution (Categories 4-A: Rivers and Streams with Impaired Use, TMDL Completed; 5-A: Rivers and Streams Impaired by Pollutants Other Than Those Listed in 5-B Through 5-D (TMDL Required); & 5-B: Rivers and Streams Impaired for Bacteria Only, TMDL Required) were considered for inclusion on the priority list.

To determine if a stream or river was impaired primarily due to NPS sources, the DEP water quality monitoring database (EGAD) was queried as to what were the major sources of the impairments. A stream was considered impaired primarily by NPS if the sources were listed as NPS, agriculture, stormwater, impervious surfaces, habitat modification, post-development erosion and sedimentation, or source unknown.

Streams on 2016 Integrated Water Quality Monitoring and Assessment Report Impaired List which are expected to result in attainment (Category 4-B: Rivers and Streams Impaired by Pollutants - Pollution Control Requirements Reasonably Expected to Result in Attainment) were not included on the priority list. These streams are believed to be impaired primarily due to non-NPS reasons and are being addressed by regulatory programs and remediation work.

Streams on the 2016 Integrated Water Quality Monitoring and Assessment Report Impaired List due to hydrologic reasons (Category 4-C: Rivers and Streams with Impairment not Caused by a Pollutant), mercury (Category 5-C: Waters Impaired by Atmospheric Deposition of Mercury), or legacy pollutants (Category 5-D: Rivers and Streams Impaired by Legacy Pollutants), were not included on the priority list. These streams are believed to be impaired primarily due to sources beyond the scope of the 319 NPS program.

Once the streams impaired by NPS were identified, they were determined to be priority stream watersheds if they met one of the following criteria:

- Had a Total Maximum Daily Load (**TMDL**) report completed or in development. This includes streams with an individual NPS-based TMDL and those included in the Maine Impervious Cover TMDL or Maine Statewide NPS TMDL (currently under development). These streams are impaired primarily due to NPS pollution and the TMDLs provide an analysis of the causes of the impairment, and therefore a first step in determining what needs to be done to improve the water quality. For streams included in the Maine Statewide Bacteria TMDL, only those whose impairment was only due to bacteria that was not caused by a point source were listed as priority streams.
- Identified as a priority watershed by the Maine Natural Resources Conservation Service Environmental Quality Incentives Program (**EQIP**) National Water Quality

Incentive, by Maine Municipal Separate Storm Sewer System (**MS4**) community plans, or by the Maine Healthy Beaches (**MHB**) program.

- High risk of future development in watershed due to its location **near a highway exit**. These streams were determined by completing a risk assessment of the likelihood of development near each Maine Turnpike, Interstate 95, and Route 295 exit that had stream watersheds within a one-mile radius. Streams were categorized as having a high, medium, or low risk of development in their watershed due to Access-related development. A screening level field survey and water quality sampling was conducted on streams with a high risk of development where more information was needed. The goal of the screening was to see if the stream was showing signs of stress or not, and to assess whether it fit the NPS priority selection principles. High risk streams were added to the priority list unless the assessment showed the stream was not showing signs of stress and land use in the area did not appear to be a high threat.

Some streams were not included on the priority list even if they met some of the above criteria due to the following reasons:

- Believed to be impaired due to **‘natural’ reasons** such as being a backwater stream or having wetland effects which cause the stream to not meet its class.
- Streams or rivers impaired mostly due to **legacy pollutants**, particularly legacy toxins. It is believed that the legacy pollutants would have to be addressed in order for the stream to meet class, so addressing the NPS sources would not be sufficient to have it meet class and therefore the stream is not added to the NPS priority list.
- **Large rivers** (e.g., Kennebec River, Androscoggin River, Presumpscot River) were not included as priorities since the large size of their watershed makes measureable improvement in water quality due to implementation of NPS watershed-based plans very unlikely. Instead, tributaries to these larger watersheds were considered for the priority list based both on their own characteristics and their impact on the larger impaired watersheds.
- Rivers whose impairment is primarily due to **point sources** such as combined sewer overflows or wastewater discharges were also not included on the priority list. It is believed that the point sources would need to be addressed for the water quality of these rivers to be improved significantly.

Impaired Streams Priority List (80 streams)

Stream	Town	Priority List Reasoning
Adams Brook	Berwick	TMDL
Arctic Brook	Bangor	TMDL, Highway Access-related Development Threat
Barberry Creek	South Portland	TMDL
Birch Stream	Bangor	TMDL, MS4 Priority Water
Black Brook	Windham	TMDL
Bond Brook	Augusta	Highway Access-related Development Threat, Development Threat
Brackett Brook	Palmyra	TMDL
Burnham Brook	Garland	TMDL
Capehart Brook	Bangor	TMDL
Capisic Brook	Portland	TMDL, MS4 Priority Water
Card Brook	Ellsworth	TMDL
Chamberlain Brook	Whitefield	TMDL
Chandler River including East Branch	Pownal	TMDL
China Lake Outlet Stream	Winslow	TMDL
Cold Stream	Skowhegan	High Growth Area
Cole Brook	Gray	TMDL
Colley Wright Brook	Windham	TMDL
Coloney Brook	Fort Fairfield	TMDL
Concord Gully	Freeport	TMDL, Highway Access-related Development Threat, MS4 Priority Water
Crooked Brook	Corinth	TMDL
Dole Brook	Portland	TMDL
Duck Brook	Arundel	Bacteria TMDL
Dudley Brook	Chapman	TMDL
Dyer River	Newcastle	Bacteria TMDL, EQIP
Everett Brook	Fort Fairfield	TMDL
Fish Brook	Fairfield	TMDL
French Stream	Exeter	TMDL
Frost Gully Brook	Freeport	TMDL
Goodall Brook	Sanford	TMDL
Goosefare Brook	Saco	TMDL, Bacteria TMDL, Highway Access-related Development Threat
Gully Brook	Auburn	TMDL
Halfmoon Stream	Thorndike	TMDL

Stream	Town	Priority List Reasoning
Hart (Dill) Brook	Lewiston	TMDL, MS4 Priority Water
Hobbs Brook	Cumberland	TMDL
Inkhorn Brook	Westbrook	TMDL
Jock Stream	Wales	TMDL
Kennebunk River	Arundel, Kennebunk	Bacteria TMDL, MHB Priority Water
Kennedy Brook	Augusta	TMDL
Kennedy Brook	Presque Isle	High Growth Area
Kimball Brook	South Portland	TMDL
Logan Brook	Auburn	TMDL, MS4 Priority Water
Long Creek	South Portland	Highway Access-related Development Threat, Development Threat
Meadow Brook	Bangor	Highway Access-related Development Threat
Meduxnekeag River	Houlton	EQIP Priority Water
Mere Brook	Brunswick	TMDL
Merrit Brook	Presque Isle	TMDL
Mill Stream	Albion	TMDL
Mosher Brook	Gorham	TMDL
Nasons Brook	Portland, Westbrook	TMDL
No Name Brook	Lewiston	TMDL
Otter Brook	Windham	TMDL
Otter Stream	Milford, Bradley	Bacteria TMDL, MS4 Priority Water
Penjajawoc Stream	Bangor	Highway Access-related Development Threat, MS4 Priority Water
Penley Brook	Auburn	TMDL
Perkins Stream	Waterville	Development Threat, Highway Access-related Development Threat
Phillips Brook	Scarborough	TMDL
Pleasant River	Windham	TMDL, Highway Access-related Development Threat
Prestile Stream (Upper)	Mars Hill	TMDL
Red Brook	Scarborough, South Portland	TMDL, Highway Access-related Development Threat, MS4 Priority Water
Riggs Brook	Augusta	TMDL
Sabattus River	Sabattus	TMDL
Shaw Brook	Bangor, Hampden	TMDL, Highway Access-related

Stream	Town	Priority List Reasoning
		Development Threat
Stetson Brook	Lewiston	High Growth Area
Stroudwater River	Portland, Westbrook	TMDL
Sucker Brook	Hampden	TMDL, Highway Access-related Development Threat, MS4 Priority Water
Thatcher Brook	Biddeford	TMDL, Highway Access-related Development Threat, MS4 Priority Water
Thayer Brook	Gray	TMDL, Highway Access-related Development Threat
Topsham Fair Mall Stream	Topsham	TMDL, Highway Access-related Development Threat
Topsham Fairgrounds Stream	Topsham	TMDL, Highway Access-related Development Threat
Trout Brook	South Portland	TMDL, MS4 Priority Water
Unnamed Stream (Rte 196)	Lisbon Falls	TMDL, MS4 Priority Water
Unnamed Trib to Androscoggin River (near Jordan Ave)	Brunswick	TMDL
Unnamed Trib to Androscoggin River (near River Rd)	Brunswick	TMDL
Unnamed Trib to Androscoggin River (near Water St)	Brunswick	TMDL
Unnamed Trib to Bond Brook (entering below I-95)	Augusta	TMDL, Highway Access-related Development Threat
Warren Brook	Belfast	TMDL
West Branch Sheepscot River	Whitefield	TMDL, EQIP
West Brook	North Berwick	TMDL
Whitney Brook	Augusta	TMDL
Whitten Brook	Skowhegan	TMDL

Threatened Streams

Non-impaired streams were assessed as to whether they are being significantly impacted or have the threat of significant impact from NPS pollution and whether the use of NPS 319 funds was likely to improve or protect water quality over the long term.

Non-impaired streams were determined to be priority threatened stream watersheds if they met one of the following criteria:

- Streams listed on the 2016 Integrated Water Quality Monitoring and Assessment Report '**Watch List**' Category 3 (Waters with Insufficient Data or Information to Determine if Designated Uses are Attained) for NPS issues. For streams, Category 3 is used as a '**Watch List**' for streams of concern. Included on this list are streams that were recently impaired, and are therefore still sensitive, or if data shows it will likely be impaired in the future.
- Have recent increased impacts or significant potential threats from **agriculture or development**. This was determined through use of best professional judgment of the impact or significant threat of impact due to recent activities in the watershed. The sensitivity of the stream, extent and location of the agriculture or development, and cumulative effect of other watershed activities were considered in this determination.
- Identified as a priority watershed by partner organizations, such as the Maine Natural Resources Conservation Service Environmental Quality Incentives Program (**EQIP**) National Water Quality Incentive, by Maine Municipal Separate Storm Sewer System (**MS4**) community plans, or by the Maine Healthy Beaches (**MHB**) program.
- High risk of future development in watershed due to location **near a highway exit**. These streams were determined by doing a risk assessment of the likelihood of development near each Maine Turnpike, Interstate 95, and Route 295 exit that had stream watersheds within a one mile radius. Streams were categorized as having a high, medium, or low risk of development in their watershed due to Access-related development. A screening level field survey and water quality sampling was conducted on streams with a high risk of development where more information was needed. The goal of the screening was to see if the stream was showing signs of stress or not, and to assess whether it fit the NPS priority selection principles. High risk streams were added to the priority list unless the assessment showed the stream was not showing signs of stress and land use in the area did not appear to be a high threat.

Even if streams or rivers met some of the above criteria, they were not included on the priority list if they are **large rivers** and/or the impairment is due to **wastewater discharges**. For these streams or rivers, it is believed that larger scale and/or point source-related work is necessary and smaller tributary work is a better fit with the current NPS program.

Threatened Streams Priority List (60 streams)

Stream	Town	Priority List Reasoning
Alder Stream	Corinna	EQIP Priority Water
Aroostook River Tributaries from Presque Isle to the Canadian Border	Presque Isle, Caribou, Fort Fairfield	Agriculture Threat
Beaver Brook	Scarborough	Highway Access-related Development Threat
Bobbin Mill Brook	Auburn	Watch List
Cemetery Brook (unnamed trib to Penjajwoc/Meadow)	Veazie	MS4 Priority Water
Chenery Brook	Falmouth	Highway Access-related Development Threat
Chickering Creek	Kittery	Highway Access-related Development Threat
Collyer Brook	Gray	Development Threat
Cove Brook	Winterport	Watch List
Currier Brook	Skowhegan	Bacteria TMDL
Deep Brook	Saco	Highway Access-related Development Threat
Depot Stream	Wells	Highway Access-related Development Threat
East Branch Piscataqua	Falmouth	Watch List, MS4 Priority Water
Farnham Brook	Pittsfield	Watch List
Felts Brook	Brewer	MS4 Priority Water
Great Works River	South Berwick	MS4 Priority Water
Kenduskeag Stream (above the village of Kenduskeag)	Kenduskeag	Agriculture Threat
Little River	York	Highway Access-related Development Threat
Little River	Belfast	Development Threat
Maxwell Brook	Sabattus	Highway Access-related Development Threat
Medomak River	Waldoboro	Agriculture Threat
Merrill Brook	Freeport	Highway Access-related Development Threat
Mill Brook	Scarborough	Development Threat
Mill Brook	Westbrook	MS4 Priority Water
Mill Creek	Falmouth	Highway Access-related Development Threat, MS4 Priority Water

Stream	Town	Priority List Reasoning
Moose Brook	Auburn	Highway Access-related Development Threat
Moulton Brook	York	Highway Access-related Development Threat
North Fork McLean Brook	St Agatha	Watch List
Norton Brook	Falmouth	Watch List, Highway Access-related Development Threat
Ogunquit River	Ogunquit	MHB Priority Water
Oliver Brook	Houlton	EQIP Priority Water
Pearce Brook	Houlton	Agriculture Threat, Development Threat
Perley Brook	Fort Kent	Watch List
Piscataqua River (Falmouth)	Falmouth	Watch List
Pope Creek	Wells	Highway Access-related Development Threat
Rockwood Brook	Augusta	Highway Access-related Development Threat
Rocky Brook	Mars Hill	Watch List
Rolling Dam Brook	Gardiner	Highway Access-related Development Threat
Salmon Brook	Washburn	Watch List
Sandy Stream	Unity	Agriculture Threat
Scitterygusset Creek	Falmouth	Highway Access-related Development Threat
Sheepscot River	Whitefield	EQIP, Agriculture Threat
Stone Brook	Augusta	Highway Access-related Development Threat
Sunday River	Newry, Bethel	Watch List
Swan Pond Brook Tributary (crosses Buzzell Road)	Dayton, Biddeford	Watch List
Tannery Brook	Gorham	Watch List, MS4 Priority Water
Tanning Brook	Manchester	Watch List
Taylor Brook	Auburn	Development Threat
Twelvemile Brook	Clinton, Waterville	Watch List
Unnamed Stream at I-95 Exit 19, tributary to Webhannet River	Wells	Highway Access-related Development Threat
Unnamed Stream at I-95 Exit 75, tributary to Androscoggin River	Auburn	Highway Access-related Development Threat
Unnamed Stream at I-95 Exit 113, tributary to Kennebec River	Augusta	Highway Access-related Development Threat
Unnamed Stream at I-95 Exit 150,	Pittsfield	Highway Access-related

Stream	Town	Priority List Reasoning
downtown tributary to Farnham Brook		Development Threat
Unnamed Trib to Piscataqua River, crosses Mountain Rd, I-95 & Gray Rd	Falmouth	Highway Access-related Development Threat
Unnamed Tribs to Long Lake near golf course	Madawaska	Agriculture Threat
Vaughn Brook	Hallowell	Watch List
Violette Stream	Van Buren	Development Threat
Weston Brook	Manchester	Watch List
Willowdale Brook	Scarborough	Highway Access-related Development Threat