

NEW BRUNSWICK'S HIERARCHAL DRAINAGE SYSTEM

NB Aquatic Data Warehouse, Canadian Rivers Institute

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OVERVIEW: The New Brunswick Department of Natural Resources and Energy first developed a provincial drainage system in the late 1960's. It was a two level system, which divided the province into eleven drainage basins/composites. The second level represented the major watercourses within each drainage area. As such, there were 232 second level sub-drainage areas. The drainage unit boundaries were defined on a 1:500,000 scale provincial map.

The original drainage system has been revised to a six level hierarchal system. The size and complexity of a river system determines the number of levels required. Only a few of the more complex river systems require six levels - most have two or three. As there are no concise terms which can be used to name the levels, they are referred to as Level 1 through Level 6 drainage units, rather than drainage, subdrainage, sub-subdrainage, etc.

As in the original system, the first level represents the major drainage areas within the province. Six basins are defined by large river systems - Saint John, Miramichi, Restigouche, St. Croix, Nepisiguit and Petitcodiac. The remaining drainage areas are composites or collections of smaller streams.

The adjacent table lists the first level drainage basins and their associated drainage areas within New Brunswick. It does not include the

| 1st LEVEL DRAINAGE BASIN / COMPOSITE | DRAINAGE AREA in N.B. (km²) |
|--|---|
| 01 Saint John River Basin | 28,860.15 |
| 02 Miramichi River Basin | 13,546.65 |
| 03 Restigouche River Basin | 6,603.91 |
| 04 St. Croix River Basin | 1,653.34 |
| 05 Nepisiguit River Basin | 3,091.97 |
| 06 Petitcodiac River Basin | 2,831.93 |
| 07 Northumberland Strait Comp. | 4,707.44 |
| 08 West Fundy Composite | 3,727.74 |
| 09 Acadian Peninsula Comp. | 3,188.45 |
| 10 Chaleur Bay Composite | 2,195.59 |
| 11 East Fundy Composite | 1,515.16 |
| 12 Fundy Isles Composite | 237.32 |
| 13 Inner Bay of Fundy Comp. | 494.39 |
| PROVINCIAL TOTAL | 72,656.04 |

drainage areas outside the province where river systems cross the provincial boundary, e.g. Saint John, Restigouche and St. Croix rivers.

Second level drainage units represent major watercourses (5th order or higher and > 100 km² drainage area) within the first level basins. These sub-basins can be subdivided into third level units if they contain streams which meet or exceed the minimum size criteria: a combination of 4th order and 100 km² drainage area. Similarly, third level drainage units are further subdivided into fourth level units if they contain streams meeting or exceeding the minimum size criteria. In a few cases where streams exhibit extreme dichotomy, sixth level drainage units are created. Stream order is based on the Strahler's (1952) modified Horton method. Please refer to **Water Resource Inventory** for a discussion of the stream ordering methodology.

Cains River within the Miramichi basin illustrates five levels within the drainage system hierarchy. Please note not all the drainage units for Cains or the Miramichi basin are presented below. A complete drainage system listing is provided in Appendix A.

| | | |
|----------------|-------|-------------------------------|
| Level 1 | 02 | MIRAMICHI |
| Level 2 | 01 | Inner Miramichi Bay Composite |
| | 02 | Bartibog River |
| | 03 | Black Brook Composite |
| | 04 | Southwest Miramichi River |
| | | |
| Level 3 | 08 | Cains River |
| Level 4 | 01 | Salmon Bk Composite |
| | 02 | Sabbies River |
| Level 5 | 01 | "N of E Br Sabbies" Composite |
| | 02 | E Br Sabbies |
| | 03 | W Br Sabbies |
| | 03 | Finn Brook Composite |
| | | |

A GIS layer containing the boundaries of the 446 drainage units was created using Service New Brunswick's (SNB) digital elevation data.

DATA SOURCES: The New Brunswick Department of Natural Resources & Energy provided the original version of the provincial drainage system listing and a 1:500,000 scale map illustrating the boundaries. The new six level drainage system is based on SNB's hydrographic data.

METHODOLOGY: Regardless of the level within the drainage system, the first step is the delineation of the primary streams which meet the criteria for the given level. Second level drainage units are streams which are 5th order or higher with a drainage area greater than 100 km². Third to sixth level units represent streams meeting or exceeding the minimum size criteria: 4th order with a drainage area greater than 100 km².

Once the primary streams for a given level are delineated, the remaining areas represent composites or collections of smaller streams. As such, composites vary in size, meeting no predetermined standard. They are always denoted by the word “composite” in the drainage unit name, e.g. Northumberland Strait Composite. When a composite is a unit within a primary river drainage unit, the composite encompasses both sides of the stream which is being divided into drainage units (Figure 1). There are three exceptions to this rule:

- 1) First level drainage basin composites that flow into the ocean;
- 2) Collections of streams between the major tributaries flowing into Grand Lake and other large lakes have been combined into single composites;
- 3) Similarly, composites at the mouth of large streams like the Miramichi River have been combined in single composites.

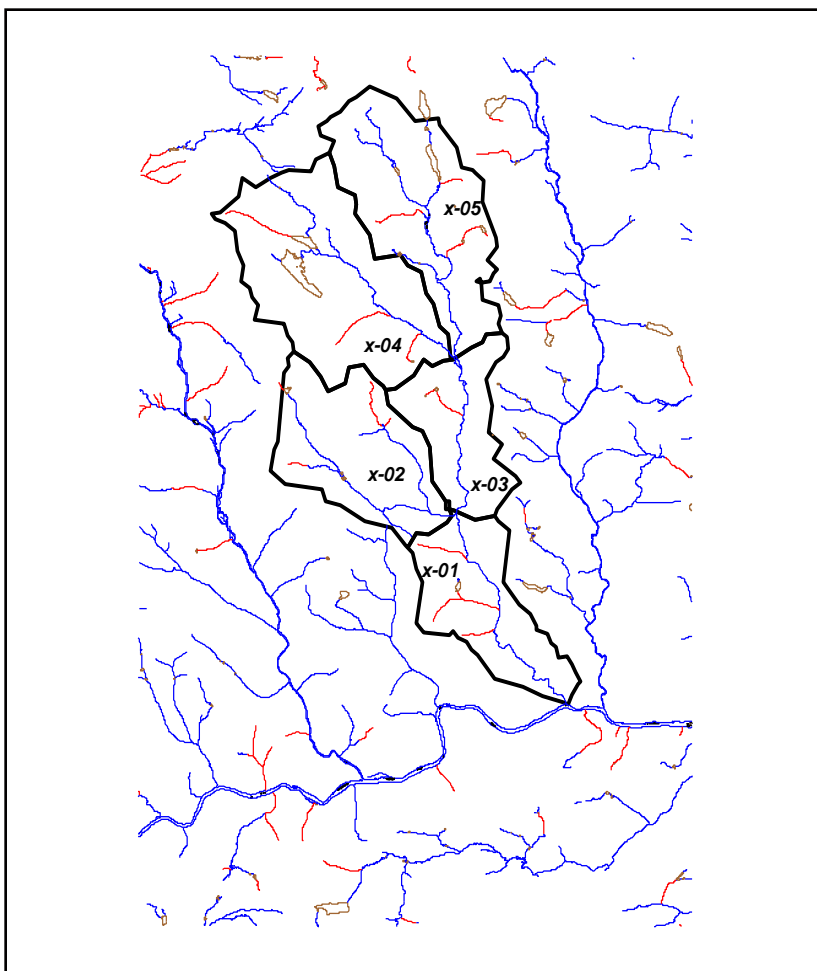


Figure 1. Drainage unit delineation and numbering scheme. X represents preceding drainage codes.

It should be noted that some drainage basins are incomplete as they contain streams which originate in Maine, Quebec or Nova Scotia. Partial basins include the Restigouche, Saint John, and St. Croix. Conversely, New Brunswick contains small drainage areas along its borders which drain into adjacent states or provinces, representing approximately 14.5 km².

Numeric codes are assigned to each drainage unit at every level. First level drainage units have the original codes (01 through 13) as assigned by the New Brunswick Department of Natural Resources and Energy. Each subsequent drainage level begins numbering at 01 again.

Drainage units always alternate between a primary stream and a composite. Second to sixth level composites encompass small streams on both sides of the

stream. In some cases, composites can be very small; in fact some may not have any streams, but still

represent actual drainage area. The method of ordering or sequencing the drainage units (i.e. the order they appear on a list) within a particular level varies between composites and non-composite drainage units. Drainage units within a composite are numbered in a clockwise direction while drainage units within a large stream are ordered beginning at the mouth of the stream and moving upwards (Figure 1). The general rule for drawing drainage boundaries for single stream drainage units (not composites) is as follows: the boundary line begins at the mouth of the stream, circles its tributaries and headwaters and returns to the mouth of the stream on the other side of the channel. A “head of land” rule was adopted for determining the mouth of a stream channel. This is fairly obvious for inland waters, but in coastal streams, the head of land is not always clear. Therefore, the following rules were used:

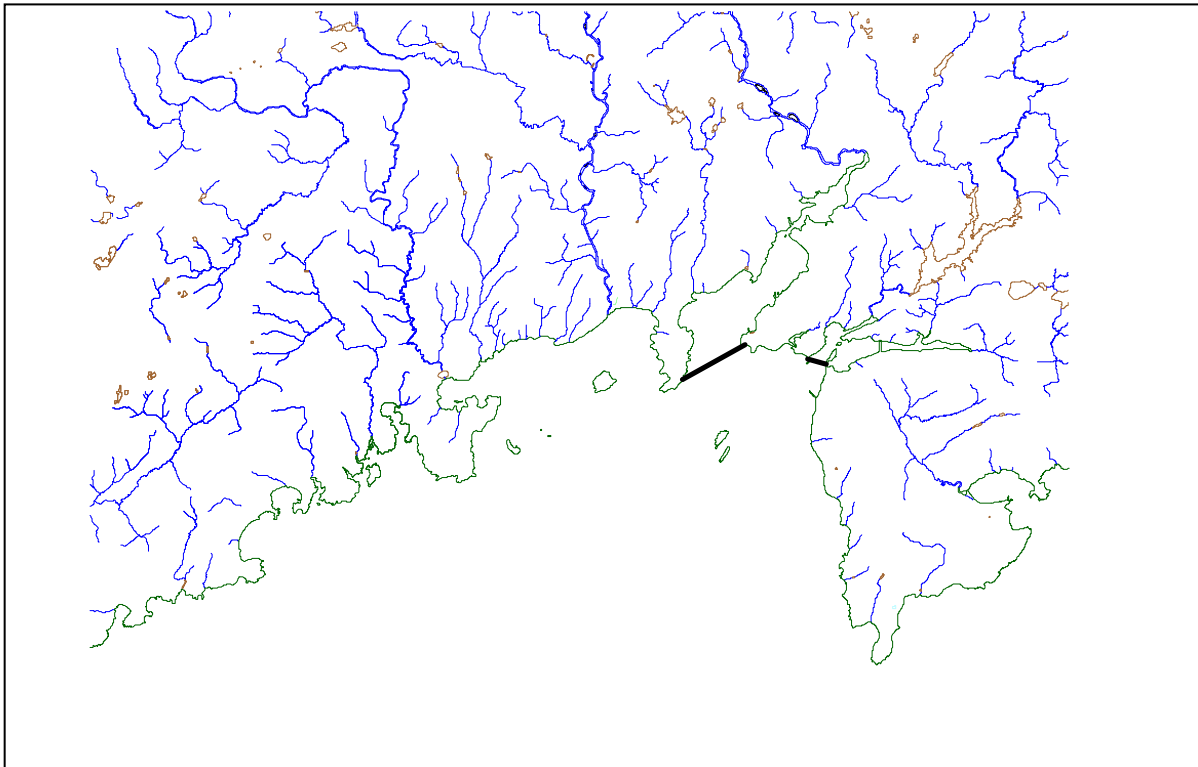
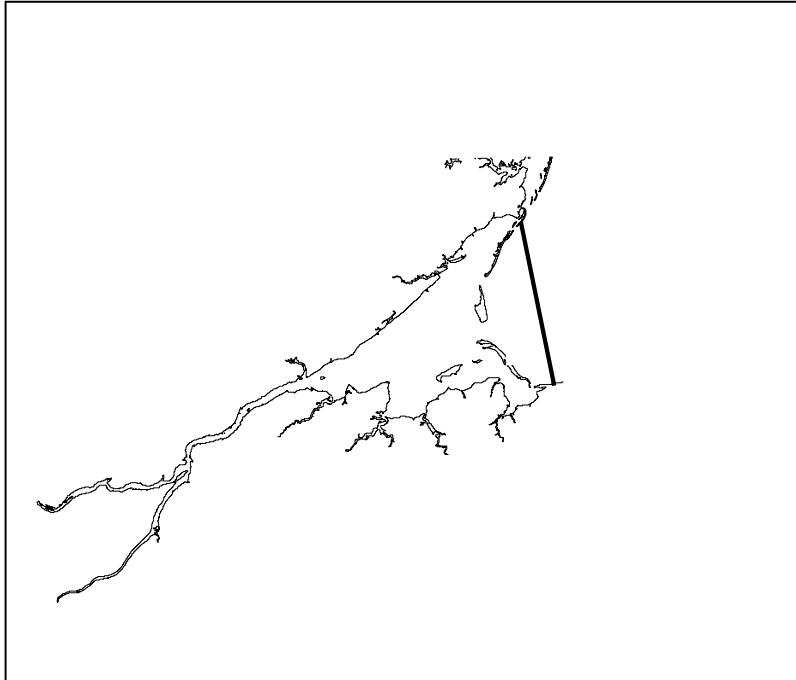
- ▶ In estuarial locations where a primary river extends in a straight and relatively narrow channel, the head of land is at the furthestmost points of land. Examples include the Miramichi and St. Croix Rivers (Figure 2).
- ▶ In estuarial locations where a wide bay or pocket has been formed and several streams of equal order and size enter into the area, each stream has a head of land within the bay area. In this case the streams flow into the bay rather than into a primary stream. An example is Lepreau and Little Lepreau Rivers within Maces Bay (Figure 2).

Since this process is somewhat subjective, several coastal watersheds are represented by multiple polygons within the GIS layer. Seaward drainage areas are coded as “Harbour” so users can choose whether to include these areas in their study.

Please refer to the **DTM Watershed Final Report** for details on the methods used to generate the watershed boundaries using Service New Brunswick’s digital elevation data.

DATA FILES: There is a table listing the 446 drainage units, plus 3 GIS layers representing the first, second and sixth level watersheds.

Figure 2. Illustrations of the two types of coastal stream confluences and how head of land is determined.



References:

Strahler, , A. N. 1952. Hypsometric (area-altitude) analysis of erosional topography. Bull. Geol. Soc. Am. 63: 1117-1142.

APPENDIX A

Drainage Unit Listing

01 - ST. JOHN RIVER BASIN
(NB Portion Only)

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---|--|--|--|--------------------------------------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Grand Bay Composite | | | | | | | | |
| 02 | Kennebecasis River (6 th Order) | 01 | Taylors Brook Composite | | | | | | |
| | | 02 | Hammond River (5 th Order) | | | | | | |
| | | 03 | Moosehorn Creek Composite | | | | | | |
| | | 04 | Millstream River (5 th Order) | | | | | | |
| | | 05 | Thompson Brook Composite | | | | | | |
| | | 06 | Trout Creek (5 th Order) | | | | | | |
| | | 07 | “North of Trout Creek” Composite | | | | | | |
| | | 08 | Smiths Creek (4 th Order) | | | | | | |
| | | 09 | Kennebecasis River Headwaters | | | | | | |
| 03 | Milkish Creek Composite | | | | | | | | |
| 04 | Nerepis River (5 th Order) | | | | | | | | |
| 05 | Back Brook Composite | | | | | | | | |
| 06 | Belleisle Creek (4 th Order) | | | | | | | | |
| 07 | Jones Brook Composite | | | | | | | | |
| 08 | Washademoak Creek (5 th Order) | 01 | Washademoak Creek Composite | | | | | | |
| | | 02 | Washademoak Lake Composite | | | | | | |
| | | 03 | Long Creek (4 th Order) | | | | | | |
| | | 04 | Canaan River (5 th Order) | 01 | Porcupine Brook Composite | | | | |
| | | | | 02 | Miller Brook (4 th Order) | | | | |
| | | | | 03 | Watts Brook Composite | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | | |
|--|---|--|---|--|---------------------------------------|--|---|--|---|--|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name | |
| | | | | 04 | Forks Stream (4 th Order) | | | | | |
| | | | | 05 | Alward Brook Composite | | | | | |
| | | | | 06 | Thornes Brook (4 th Order) | | | | | |
| | | | | 07 | Ridge Brook Composite | | | | | |
| | | | | 08 | Nevers Brook (4 th Order) | | | | | |
| | | | | 09 | Canaan River Headwaters | | | | | |
| 09 | Otnabog Stream Composite | 01 | “South of Otnabog Stream” Composite | | | | | | | |
| | | 02 | Otnabog Stream (4 th Order) | | | | | | | |
| | | 03 | MacAlpine Brook Composite | | | | | | | |
| 10 | Jemseg River (6 th Order) | 01 | Jemseg River Composite | | | | | | | |
| | | 02 | Grand Lake | 01 | Grand Lake Composite | | | | | |
| | | | | 02 | Maquapit Lake | 01 | Maquapit Lake Composite | | | |
| | | | | | | 02 | French Lake Composite | | | |
| | | | | | | 02 | Portabello Stream (4 th Order) | | | |
| | | | | | | 03 | Mill Cove Composite | | | |
| | | | | | | 04 | Indian Lake | 01 | Indian Lake Composite | |
| | | | | | | 04 | Indian Lake | 02 | Burpee Millstream (4 th Order) | |
| | | | | | | 04 | Indian Lake | 03 | Little River (5 th Order) | |
| | | 03 | Newcastle Creek (5 th Order) | | | | | | | |
| | | 04 | Salmon River (6 th Order) | 01 | Iron Bound Cove Stream Composite | | | | | |
| | | | | 02 | Salmon Creek (5 th Order) | | | | | |
| | | | | 03 | “East of Salmon Creek” Composite | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | | |
|--|---|--|---|--|---|--|---|--|------|--|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name | |
| | | | | | | 04 | Gaspereau River (5 th Order) | | | |
| | | | | | | 05 | Castaway Stream Composite | | | |
| | | | | | | 06 | Big Forks Stream (5 th Order) | | | |
| | | | | | | 07 | Cherry Brook Composite | | | |
| | | | | | | 08 | Lake Stream (5 th Order) | | | |
| | | | | | | 09 | Grey Brook Composite | | | |
| | | | | | | 10 | Little Forks Stream (5 th Order) | | | |
| | | | | | | 11 | Salmon River Headwaters | | | |
| | | | | 05 | Coal Creek (4 th Order) | | | | | |
| | | | | 06 | Cumberland Bay Stream (4 th Order) | | | | | |
| 11 | Swan Creek Composite | | | | | | | | | |
| 12 | Oromocto River (6 th Order) | 01 | Friars Brook Composite | | | | | | | |
| | | 02 | Rusagonis Stream (5 th Order) | | | | | | | |
| | | 03 | Three Tree Creek Composite | | | | | | | |
| | | 04 | South Branch Oromocto River (5 th Order) | 01 | Fitch Creek Composite | | | | | |
| | | | | 02 | Back Creek (4 th Order) | | | | | |
| | | | | 03 | Pete Brook Composite | | | | | |
| | | | | 04 | Shinn Creek (4 th Order) | | | | | |
| | | | | 05 | South Branch Oromocto River Headwaters | | | | | |
| | | 05 | North Branch Oromocto River (5 th Order) | 01 | Meransey Brook Composite | | | | | |
| | | | | 02 | Yoho Stream (4 th Order) | | | | | |
| 03 | North Branch Oromocto River Headwaters | | | | | | | | | |
| 13 | Baker Brook Composite | | | | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--|--|---|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 14 | Nashwaak River (5 th Order) | 01 | Campbell Creek Composite | | | | | | |
| | | 02 | Penniac Brook (4 th Order) | | | | | | |
| | | 03 | Manzer Brook Composite | | | | | | |
| | | 04 | Dunbar Stream (4 th Order) | | | | | | |
| | | 05 | McBean Brook Composite | | | | | | |
| | | 06 | Tay River (4 th Order) | | | | | | |
| | | 07 | Porters Brook Composite | | | | | | |
| | | 08 | Youngs Brook (5 th Order) | | | | | | |
| | | 09 | “North of Porter Brook” Composite | | | | | | |
| | | 10 | Cross Creek (5 th Order) | | | | | | |
| | | 11 | Grand John Brook Composite | | | | | | |
| | | 12 | Napodogan Brook (4 th Order) | | | | | | |
| | | 13 | Nashwaak River Headwaters | | | | | | |
| 15 | Nashwaaksis Stream Composite | 01 | Grieves Creek Composite | | | | | | |
| | | 02 | Nashwaaksis Stream (4 th Order) | | | | | | |
| | | 03 | Garden Creek Composite | | | | | | |
| 16 | Keswick River (5 th Order) | | | | | | | | |
| 17 | Indian Brook Composite | | | | | | | | |
| 18 | Mactaquac Stream (5 th Order) | | | | | | | | |
| 19 | Longs Creek Composite | | | | | | | | |
| 20 | Nackawic Stream (5 th Order) | 01 | Buttermilk Creek Composite | | | | | | |
| | | 02 | East Branch Nackawic Stream (4 th Order) | | | | | | |
| | | 03 | “North of East Branch Nackawic Stream” Composite | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--|--|--|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| | | 04 | West Branch Nackawic Stream (<i>4th Order</i>) | | | | | | |
| | | 05 | Nackawic Stream Headwaters | | | | | | |
| 21 | “East of Pokiok Stream” Composite | | | | | | | | |
| 22 | Pokiok Stream (<i>5th Order</i>) | | | | | | | | |
| 23 | Pokiok Reach Composite | | | | | | | | |
| 24 | Shogomoc Stream (<i>5th Order</i>) | 01 | Cann Brook Composite | | | | | | |
| | | 02 | West Branch Shogomoc Stream (<i>4th Order</i>) | | | | | | |
| | | 03 | Shogomoc Stream Headwaters | | | | | | |
| 25 | Sullivan Creek Composite | | | | | | | | |
| 26 | Eel River (<i>5th Order</i>) | | | | | | | | |
| 27 | Bulls Creek Composite | 01 | Lilly Brook Composite | | | | | | |
| | | 02 | Gibson Creek (<i>4th Order</i>) | | | | | | |
| | | 03 | “North of Gibson Creek” Composite | | | | | | |
| | | 04 | Bulls Creek (<i>4th Order</i>) | | | | | | |
| | | 05 | Peabody Brook Composite | | | | | | |
| 28 | Meduxnekeag River (<i>4th Order</i>) | | | | | | | | |
| 29 | Philips Creek Composite | | | | | | | | |
| 30 | Becaguimec Stream (<i>5th Order</i>) | 01 | McLean Brook Composite | | | | | | |
| | | 02 | Cold Stream (<i>4th Order</i>) | | | | | | |
| | | 03 | Craig Brook Composite | | | | | | |
| | | 04 | North Branch Becaguimec Stream (<i>4th Order</i>) | | | | | | |
| | | 05 | South Branch Becaguimec Stream (<i>4th Order</i>) | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | | |
|--|--|--|--|--|--|--|------|--|------|--|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name | |
| 31 | Big Presque Isle Stream Composite | 01 | “South of Little Presque Isle Stream” Composite | | | | | | | |
| | | 02 | Little Presque Isle Stream (4 th Order) | | | | | | | |
| | | 03 | Hales Brook Composite | | | | | | | |
| | | 04 | Big Presque Isle Stream (4 th Order) | | | | | | | |
| | | 05 | White Marsh Brook Composite | | | | | | | |
| 32 | Shikatehawk Stream (5 th Order) | | | | | | | | | |
| 33 | Murray Lake Composite | | | | | | | | | |
| 34 | Monquart Stream (5 th Order) | | | | | | | | | |
| 35 | Muniac Stream Composite | | | | | | | | | |
| 36 | Tobique River (7 th Order) | 01 | Pokiok River Composite | | | | | | | |
| | | 02 | Odell River (5 th Order) | | | | | | | |
| | | 03 | Hamilton Brook Composite | | | | | | | |
| | | 04 | Three Brooks (5 th Order) | | | | | | | |
| | | 05 | Crouse Brook Composite | | | | | | | |
| | | 06 | Wapske River (5 th Order) | | | | | | | |
| | | 07 | Sisson Brook Composite | | | | | | | |
| | | 08 | Gulquac River (6 th Order) | 01 | Mouth of Gulquac River Composite | | | | | |
| | | | | 02 | North Branch Gulquac River (5 th Order) | | | | | |
| | | | | 03 | Gulquac River Headwaters | | | | | |
| | | 09 | Philips Brook Composite | | | | | | | |
| | | 10 | Two Brooks (5 th Order) | | | | | | | |
| | | 11 | Haley Brook Composite | | | | | | | |
| | | | | | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---|--|--|--|--|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| | | 12 | Little Tobique River <i>(6th Order)</i> | 01 | Mouth of Little Tobique River Composite | | | | |
| | | | | 02 | Sisson Branch <i>(5th Order)</i> | | | | |
| | | | | 03 | Cedar Brook Composite | | | | |
| | | | | 04 | Big Cedar Brook <i>(5th Order)</i> | | | | |
| | | | | 05 | Little Tobique River Headwaters | | | | |
| | | 13 | Right Hand Branch Tobique River <i>(6th Order)</i> | 01 | Mouth of Right Hand Branch Tobique River Composite | | | | |
| | | | | 02 | Mamozekel River <i>(5th Order)</i> | | | | |
| | | | | 03 | Rocky Brook Composite | | | | |
| | | | | 04 | Serpentine River <i>(5th Order)</i> | | | | |
| | | | | 05 | Neary Brook Composite | | | | |
| | | | | 06 | River Don <i>(5th Order)</i> | | | | |
| | | | | 07 | Right Hand Branch Tobique River Headwaters | | | | |
| 37 | Curry Brook Composite | | | | | | | | |
| 38 | Aroostock River <i>(4th Order)</i> | | | | | | | | |
| 39 | Little River Composite | | | | | | | | |
| 40 | Salmon River <i>(6th Order)</i> | | | | | | | | |
| 41 | Boutot Brook Composite | | | | | | | | |
| 42 | Little River <i>(5th Order)</i> | | | | | | | | |
| 43 | Grande Rivière Composite | 01 | Millstream Composite | | | | | | |
| | | 02 | Grande Rivière <i>(4th Order)</i> | | | | | | |
| | | 03 | “North of Grande Riviere” Composite | | | | | | |
| | | 04 | Rivière Siegas <i>(4th Order)</i> | | | | | | |
| | | 05 | “North of Riviere Siegas” Composite | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | | |
|--|--|--|---|--|---|--|------|--|------|--|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name | |
| 44 | Rivière Quisibis (5 th Order) | | | | | | | | | |
| 45 | “North of Rivière Quisibis” Composite | | | | | | | | | |
| 46 | Green River (5 th Order) | 01 | Big Brook Composite | | | | | | | |
| | | 02 | Lillte Forks Branch Green River (4 th Order) | | | | | | | |
| | | 03 | Halfway Brook Composite | | | | | | | |
| | | 04 | Lake Branch (4 th Order) | | | | | | | |
| | | 05 | Right Hand Branch Green River (5 th Order) | 01 | Belone Brook Composite | | | | | |
| | | | | 02 | Wild Goose Branch (4 th Order) | | | | | |
| | | | | 03 | Right Hand Branch Green River Headwaters | | | | | |
| 47 | Ruisseau Lavoie Composite | | | | | | | | | |
| 48 | Rivière Iroquois (5 th Order) | | | | | | | | | |
| 49 | “West of Rivière Iroquois” Composite | | | | | | | | | |
| 50 | Madawaska River (5 th Order) | | | | | | | | | |
| 51 | Rivière Baker-Brook Composite | 01 | Ruiseau Deux-Milles Composite | | | | | | | |
| | | 02 | Rivière Baker-Brook (4 th Order) | | | | | | | |
| | | 03 | Ruisseau Dugal Composite | | | | | | | |
| | | 04 | Rivière des Crocs (4 th Order) | | | | | | | |
| | | 05 | Grew Brook Composite | | | | | | | |
| | | 05 | St. Francis River (3 ^{rd+} Order) * | | | | | | | |

* Exception to 4th order rule.

02 - MIRAMICHI RIVER BASIN

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--|--|--|--|---|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Miramichi Bay | 01 | Miramichi Bay Composite | | | | | | |
| | | 02 | Eel River (4 th Order) | | | | | | |
| | | 03 | Bay Du Vin River (4 th Order) | | | | | | |
| | | 04 | Black River (5 th Order) | | | | | | |
| | | 05 | Napan River (4 th Order) | | | | | | |
| | | 06 | Burnt Church River (4 th Order) | | | | | | |
| 02 | Bartibog River (5 th Order) | 01 | Mill Brook Composite | | | | | | |
| | | 02 | Little Bartibog River (4 th Order) | | | | | | |
| | | 03 | “North of Little Bartibog” Composite | | | | | | |
| | | 04 | Green Brook (4 th Order) | | | | | | |
| | | 05 | Bartibog Headwaters | | | | | | |
| 03 | Black Brook Composite | | | | | | | | |
| 04 | Southwest Miramichi River (7 th Order) | 01 | Mouth of the Southwest Miramichi River Composite | | | | | | |
| | | 02 | Barnaby River (5 th Order) | | | | | | |
| | | 03 | Doyles Brook Composite | | | | | | |
| | | 04 | Renous River (5 th Order) | 01 | Pine Island Brook Composite | | | | |
| | | | | 02 | Dungarvon River (4 th Order) | | | | |
| | | | | 03 | Crown Point Brook Composite | | | | |
| | | | | 04 | South Branch Renous River (4 th Order) | | | | |
| | | | | 05 | North Branch Renous River (5 th Order) | | | | |
| | | 05 | Gray Rapids Brook Composite | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | | |
|--|------|--|--|--|--|--|---|--|------|--|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name | |
| | | 06 | Bartholomew River (5 th Order) | | | | | | | |
| | | 07 | McKenzie Brook Composite | | | | | | | |
| | | 08 | Cains River (6 th Order) | 01 | Salmon Brook Composite | | | | | |
| | | | | 02 | Sabbies River (5 th Order) | 01 | “North of E Br Sabbies” Composite | | | |
| | | | | | | 02 | East Branch Sabbies (4 th Order) | | | |
| | | | | | | 03 | West Branch Sabbies (4 th Order) | | | |
| | | | | 03 | Finn Brook Composite | | | | | |
| | | | | 04 | Muzroll Brook (3rd Order) * | | | | | |
| | | | | 05 | “South of Muzroll” Composite | | | | | |
| | | | | 06 | Six Mile Brook (5th Order) | | | | | |
| | | | | 07 | Gordon Brook Composite | | | | | |
| | | | | 08 | Cains River Headwaters | | | | | |
| | | 09 | Morses Brook Composite | | | | | | | |
| | | 10 | Big Hole Brook (4 th Order) | | | | | | | |
| | | 11 | Betts Mill Brook Composite | | | | | | | |
| | | 12 | Burnt Land Brook (4 th Order) | | | | | | | |
| | | 13 | “West of Burnt Land” Composite | | | | | | | |
| | | 14 | Taxis River (5 th Order) | | | | | | | |
| | | 15 | McBean Brook Composite | | | | | | | |
| | | 16 | Rocky Brook (5 th Order) | | | | | | | |
| | | 17 | Sisters Brook Composite | | | | | | | |
| | | 18 | Clearwater Brook (5 th Order) | | | | | | | |
| | | 19 | Buttermilk Brook Composite | | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--|--|--|--|---|--|---------------------------------------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| | | 20 | Burnthill Brook (6 th Order) | | | | | | |
| | | 21 | McLean Brook Composite | | | | | | |
| | | 22 | McKiel Brook (4 th Order) | | | | | | |
| | | 23 | Lake Brook Composite | | | | | | |
| | | 24 | South Branch Southwest Miramichi River (5 th Order) | | | | | | |
| | | 25 | North Branch Southwest Miramichi River (4 th Order) | | | | | | |
| 05 | Northwest Miramichi River (7 th Order) | 01 | Stewart Brook Composite | | | | | | |
| | | 02 | Northwest Millstream (4 th Order) | | | | | | |
| | | 03 | Sutherland Brook Composite | | | | | | |
| | | 04 | Little Southwest Miramichi River (6 th Order) | 01 | Catamaran Brook Composite | | | | |
| | | | | 02 | Lwr N Br Little Southwest Miramichi River (5 th Order) | | | | |
| | | | | 03 | Libbies Brook Composite | | | | |
| | | | | 04 | North Pole Stream (4 th Order) | | | | |
| | | | | 05 | Little North Pole Brook Composite | | | | |
| | | | | 06 | Tuadook River (4 th Order) | | | | |
| | | | | 07 | Little Southwest Miramichi River Headwaters | | | | |
| | | 05 | Castor Brook Composite | | | | | | |
| | | 06 | Little Sevogle River (4 th Order) | | | | | | |
| | | 07 | “South of Big Sevogle River” Composite | | | | | | |
| | | 08 | Big Sevogle River (5 th Order) | 01 | Whitney Brook Composite | | | | |
| | | | | 02 | South Branch Sevogle River (5 th Order) | 01 | Stairs Brook Composite | | |
| | | | | | | 02 | Mullin Stream (4 th Order) | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|------|--|--|--|--|--|-----------------------------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| | | | | | | 03 | S Br Big Sevogle Headwaters | | |
| | | | | 03 | North Branch Big Sevogle River (4th Order) | | | | |
| | | 09 | Copps Brook Composite | | | | | | |
| | | 10 | Portage River (5 th Order) | 01 | Mouth of Portage River Composite | | | | |
| | | | | 02 | East Branch Portage River (4th Order) | | | | |
| | | | | 03 | Portage River Headwaters | | | | |
| | | 11 | "North of Portage River" Composite | | | | | | |
| | | 12 | Tomogonops River (4th Order) | | | | | | |
| | | 13 | Northwest Miramichi River Headwaters | | | | | | |
| | | | | | | | | | |

* Exception to 4th order rule - large drainage area

03 - RESTIGOUCHE RIVER BASIN
(NB Portion Only)

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | | |
|--|--------------------------------------|--|---|--|--|--|------|--|------|--|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name | |
| 01 | Walker Brook Composite | | | | | | | | | |
| 02 | Christopher Brook (5th Order) | | | | | | | | | |
| 03 | Rafting Ground Brook Composite | | | | | | | | | |
| 04 | Upsalquitch River (6th Order) | 01 | Meadow Brook Composite | | | | | | | |
| | | 02 | Grog Brook (5th Order) | | | | | | | |
| | | 03 | Berry Brook Composite | | | | | | | |
| | | 04 | Boland Brook (5th Order) | | | | | | | |
| | | 05 | McDougall Brook Composite | | | | | | | |
| | | 06 | Popelogan River (5th Order) | | | | | | | |
| | | 07 | Stillwater Brook Composite | | | | | | | |
| | | 08 | Southeast Upsalquitch River (6th Order) | 01 | Little Popelogan Brook Composite | | | | | |
| | | | | 02 | Jerry Ferguson Brook (5th Order) | | | | | |
| | | | | 03 | Basket Brook Composite | | | | | |
| | | | | 04 | Little Southeast Upsalquitch (5th Order) | | | | | |
| | | | | 05 | McCormack Brook Composite | | | | | |
| | | | | 06 | Ramsey Brook(4th Order) | | | | | |
| | | | | 07 | Southeast Upsalquitch Headwaters | | | | | |
| | | 09 | Northwest Upsalquitch River (5th Order) | 01 | Nine Mile Brook Composite | | | | | |
| | | | | 02 | Oxford Brook(4th Order) | | | | | |
| | | | | 03 | Northwest Upsalquitch Headwaters | | | | | |
| 05 | Cheuters Brook Composite | | | | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---|--|--|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 06 | Patapedia River (5 th Order) (NB Portion Only) | | | | | | | | |
| 07 | “South of Patapedia River” Composite | | | | | | | | |
| 08 | Whites Brook (5 th Order) | | | | | | | | |
| 09 | Stillwater Brook Composite | | | | | | | | |
| 10 | Tracy Brook (5 th Order) | 01 | Beaver Brook Composite | | | | | | |
| | | 02 | South Branch Tracy Brook (4 th Order) | | | | | | |
| | | 03 | North Branch Tracy Brook (4 th Order) | | | | | | |
| 11 | Hailes Brook Composite | | | | | | | | |
| 12 | Little Main Restigouche River (6 th Order) | 01 | Mouth of Little Main Restigouche River Composite | | | | | | |
| | | 02 | Five Finger Brook (5 th Order) | | | | | | |
| | | 03 | Lower Four Mile Brook Composite | | | | | | |
| | | 04 | Jardine Brook (5 th Order) | | | | | | |
| | | 05 | Boston Brook Composite | | | | | | |
| | | 06 | Gounamitz River (5 th Order) | | | | | | |
| | | 07 | Little Main Restigouche River Headwaters | | | | | | |
| 13 | Kedgwick River (5 th Order) | 01 | Whitewater Brook Composite | | | | | | |
| | | 02 | Falls Brook (4 th Order) | | | | | | |
| | | 03 | Clearwater Brook Composite | | | | | | |
| | | 04 | McDougall Brook (4 th Order) | | | | | | |
| | | 05 | Fogs Brook Composite | | | | | | |
| | | 06 | States Brook (4 th Order) | | | | | | |
| | | 07 | “West of States Brook” Composite | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|------|--|---|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| | | 08 | South Branch Kedgwick River (<i>5th Order</i>) | | | | | | |
| | | 09 | North Branch Kedgwick River (<i>4th Order</i>) | | | | | | |

04 - ST. CROIX RIVER BASIN
(NB Portion Only)

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--------------------------|--|---------------------------------|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Johnson Cove Composite | | | | | | | | |
| 02 | Waweig River (5th Order) | | | | | | | | |
| 03 | Canoose Stream Composite | 01 | Gallop Stream Composite | | | | | | |
| | | 02 | Dennis Stream (4th Order) | | | | | | |
| | | 03 | Strachan Brook Composite | | | | | | |
| | | 04 | Mohannes Stream (4th Order) | | | | | | |
| | | 05 | King Brook Composite | | | | | | |
| | | 06 | Canoose Stream (4th Order) | | | | | | |
| | | 07 | Trout Brook Composite | | | | | | |
| 04 | Spednic Lake | 01 | Spednic Lake Composite | | | | | | |
| | | 02 | Diggity Stream (4th Order) | | | | | | |
| | | 03 | Big La Coote Stream (4th Order) | | | | | | |
| 05 | Forest City Stream | 01 | Forest City Stream Composite | | | | | | |
| | | 02 | Grand Lake Composite | | | | | | |
| | | 03 | North Lake Composite | | | | | | |

05 - NEPISIGUIT RIVER BASIN

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--|--|---|--|--------------------------------------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Bathurst Harbour | 01 | Bathurst Harbour Composite | | | | | | |
| | | 02 | Tetagouche River (5 th Order) | | | | | | |
| | | 03 | Middle River (5 th Order) | 01 | Carters Brook Composite | | | | |
| | | | | 02 | Little River (4 th Order) | | | | |
| | | | | 04 | Middle River Headwaters | | | | |
| 02 | Pabineau River Composite | 01 | Round Rock Brook Composite | | | | | | |
| | | 02 | Pabineau River (4 th Order) | | | | | | |
| | | 03 | Red Pine Brook Composite | | | | | | |
| | | 04 | Gordon Meadow Brook (4 th Order) | | | | | | |
| | | 05 | Nepisiquit Brook Composite | | | | | | |
| | | 06 | Nine Mile Brook (4 th Order) | | | | | | |
| | | 07 | Taylor Brook Composite | | | | | | |
| 03 | Forty Mile Brook (5 th Order) | | | | | | | | |
| 04 | Otter Brook Composite | | | | | | | | |
| 05 | Forty Four Mile Brook (5 th Order) | | | | | | | | |
| 06 | Moody Brook Composite | | | | | | | | |
| 07 | South Nepisiquit River (5 th Order) | | | | | | | | |
| 08 | Portage Brook Composite | | | | | | | | |
| 09 | Little South Branch Nepisiquit River (5 th Order) | | | | | | | | |
| 10 | Nepisiquit River Headwaters | | | | | | | | |

06 - PETITCODIAC RIVER BASIN

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--|--|---------------------------------------|--|---------------------------------------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | South Channel | 01 | South Channel Composite | | | | | | |
| | | 02 | Shepody River (5 th Order) | 01 | Sawmill Creek Composite | | | | |
| | | | | 02 | Crooked Creek (4 th Order) | | | | |
| | | | | 03 | Shepody River Headwaters | | | | |
| 02 | Memramcook River (5 th Order) | | | | | | | | |
| 03 | Turtle Creek Composite | 01 | Weldon Creek Composite | | | | | | |
| | | 02 | Halls Creek (4 th Order) | | | | | | |
| | | 03 | Jonathan Creek Composite | | | | | | |
| | | 04 | Turtle Creek (4 th Order) | | | | | | |
| | | 05 | Somers Creek Composite | | | | | | |
| 04 | Little River (5 th Order) | | | | | | | | |
| 05 | Bannister Brook Composite | | | | | | | | |
| 06 | Pollett River (5 th Order) | | | | | | | | |
| 07 | O'Blenis Brook Composite | | | | | | | | |
| 08 | Anagance River (4 th Order) | | | | | | | | |
| 09 | North River (5 th Order) | | | | | | | | |

07 - NORTHUMBERLAND STRAIT COMPOSITE

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---|--|--|--|---|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Black River Composite | 01 | Rivière au Portage-sud Composite | | | | | | |
| | | 02 | Black River (<i>4th Order</i>) | | | | | | |
| | | 03 | “South of Black River” Composite | | | | | | |
| 02 | Kouchibouguac River (<i>5th Order</i>) | | | | | | | | |
| 03 | Ruisseau des Major Composite | | | | | | | | |
| 04 | Kouchibouguacis River (<i>5th Order</i>) | | | | | | | | |
| 05 | Jardine Lake Composite | | | | | | | | |
| 06 | Richibucto River (<i>6th Order</i>) | 01 | Richibucto Harbour Composite | 01 | Gaspereau Creek Composite | | | | |
| | | | | 02 | Rivière Saint-Charles (<i>4th Order</i>) | | | | |
| | | 02 | Beatties Creek Composite | | | | | | |
| | | 03 | St. Nicholas River (<i>5th Order</i>) | | | | | | |
| | | 04 | Molus River Composite | | | | | | |
| | | 05 | Bass River (<i>4th Order</i>) | | | | | | |
| | | 06 | Waterloo Brook Composite | | | | | | |
| | | 07 | Coal Branch River (<i>4th Order</i>) | | | | | | |
| 08 | Richibucto River Headwaters | | | | | | | | |
| 07 | Buctouche River Composite | 01 | Rivière Chockpish Composite | | | | | | |
| | | 02 | Buctouche River (<i>4th Order</i>) | | | | | | |
| | | 03 | Biggs Brook Composite | | | | | | |
| 08 | Cocagne River (<i>5th Order</i>) | | | | | | | | |
| 09 | “South of Cocagne River” Composite | | | | | | | | |

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--|--|--|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 10 | Shediac River (5 th Order) | | | | | | | | |
| 11 | Cape Tormentine Peninsula Composite | 01 | "South of Shediac River" Composite | | | | | | |
| | | 02 | Scoudouc River (4 th Order) | | | | | | |
| | | 03 | Lac des Boudreau Composite | | | | | | |
| | | 04 | Aboujagane River (4 th Order) | | | | | | |
| | | 05 | Kouchibouguac River Composite | | | | | | |
| | | 06 | Oulton Brook Composite | | | | | | |
| | | 07 | Gaspereau River (4 th Order) | | | | | | |
| | | 08 | Baie Verte Creek Composite | | | | | | |

08 - WEST FUNDY COMPOSITE

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|--------------------------------------|--|---|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | “East of Musquash River” Composite | | | | | | | | |
| 02 | Musquash River (6th Order) | 01 | Goose Creek Composite | | | | | | |
| | | 02 | W Br Musquash River (5th Order) | | | | | | |
| | | 03 | E Br Musquash River (5th Order) | | | | | | |
| 03 | Little Lepreau River Composite | | | | | | | | |
| 04 | Lepreau River (5th Order) | | | | | | | | |
| 05 | “East of New River” Composite | | | | | | | | |
| 06 | New River (5th Order) | | | | | | | | |
| 07 | Pocalogan River Composite | | | | | | | | |
| 08 | Magaguadavic River (5th Order) | 01 | Bonny River Composite | | | | | | |
| | | 02 | McDougall Outlet (4th Order) | | | | | | |
| | | 03 | Meadow Brook Composite | | | | | | |
| | | 04 | Piskahegan River (4th Order) | | | | | | |
| | | 05 | Kedron Stream Composite | | | | | | |
| | | 06 | Northeast Branch Magaguadavic River (4th Order) | | | | | | |
| | | 07 | “South of Magaguadavic River” Composite | | | | | | |
| | | 08 | Magaguadavic Lake | | | | | | |
| 09 | “East of Didgequash River” Composite | | | | | | | | |
| 10 | Didgeguash River (5th Order) | | | | | | | | |
| 11 | Bocabec River Composite | | | | | | | | |

09 - ACADIAN PENINSULA COMPOSITE

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---|--|---|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Baie de Caraquet Composite | 01 | “West of Bass River” Composite | | | | | | |
| | | 02 | Bass River (<i>4th Order</i>) | | | | | | |
| | | 03 | Teagues Brook Composite | | | | | | |
| | | 04 | Rivière Caraquet (<i>4th Order</i>) | | | | | | |
| | | 05 | St-Simon River Composite | | | | | | |
| 02 | Acadian Islands Composite | 01 | Pokesudie Island Composite | | | | | | |
| | | 02 | Lameque Island Composite | | | | | | |
| | | 03 | Miscou Island Composite | | | | | | |
| 03 | Big Tracadie / Pokemouche Composite | 01 | “East of Pokemouche River” Composite | | | | | | |
| | | 02 | Pokemouche River (<i>4th Order</i>) | | | | | | |
| | | 03 | “South of Pokemouche River” Composite | | | | | | |
| | | 04 | Little Tracadie River (<i>4th Order</i>) | | | | | | |
| | | 05 | Ruisseau à McLaughlin Composite | | | | | | |
| | | 06 | Big Tracadie River (<i>4th Order</i>) | | | | | | |
| | | 05 | Ruisseau du Portage Composite | | | | | | |
| 04 | Tabusintac River (<i>5th Order</i>) | 01 | Trout Brook Composite | | | | | | |
| | | 02 | Big Hole Brook (<i>4th Order</i>) | | | | | | |
| | | 03 | Tabusintac River Headwaters | | | | | | |
| 05 | Lufsbury Brook Composite | | | | | | | | |

10 - CHALEUR BAY COMPOSITE

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---|--|--|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Tait Brook Composite | | | | | | | | |
| 02 | Eel River (5 th Order) | | | | | | | | |
| 03 | Upper Charlo Composite | | | | | | | | |
| 04 | Charlo River (5 th Order) | 01 | Mouth of Charlo River Composite | | | | | | |
| | | 02 | South Charlo River (4 th Order) | | | | | | |
| | | 03 | Charlo River Headwaters | | | | | | |
| 05 | Blackhead Brook Composite | | | | | | | | |
| 06 | Benjamin River (5 th Order) | | | | | | | | |
| 07 | Louison River Composite | | | | | | | | |
| 08 | Jacquet River (5 th Order) | | | | | | | | |
| 09 | Elmtree River Composite | | | | | | | | |
| 10 | Nigadoo River (5 th Order) | | | | | | | | |
| 11 | Millstream River Composite | 01 | North Millstream Composite | | | | | | |
| | | 02 | Millstream River (4 th Order) | | | | | | |
| | | 03 | Grants Brook Composite | | | | | | |

11 - EAST FUNDY COMPOSITE

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---------------------------------------|--|---|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Chignecto Bay Composite | 01 | Alcorn Brook Composite | | | | | | |
| | | 02 | Upper Salmon River (<i>4th Order</i>) | | | | | | |
| | | 03 | "West of Upper Salmon River" Composite | | | | | | |
| | | 04 | Point Wolfe River (<i>4th Order</i>) | | | | | | |
| | | 05 | Quiddy River Composite | | | | | | |
| 02 | Big Salmon River (<i>5th Order</i>) | | | | | | | | |
| 03 | Mispec River Composite | 01 | Irish River Composite | | | | | | |
| | | 02 | Black River (<i>4th Order</i>) | | | | | | |
| | | 03 | Balls Lake Composite | | | | | | |
| | | 04 | Mispec River (<i>4th Order</i>) | | | | | | |
| | | 05 | "West of Mispec River" Composite | | | | | | |

12 - FUNDY ISLANDS COMPOSITE

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|------------------------------|--|------|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Deer Island Composite | | | | | | | | |
| 02 | Campobello Island | | | | | | | | |
| 03 | Grand Manan Island Composite | | | | | | | | |
| 04 | The Wolves Composite | | | | | | | | |

13 - INNER BAY OF FUNDY COMPOSITE

| LEVEL 2 (≥5th Order & >100 km2 OR Composite) | | LEVEL 3 (≥4th Order & >100 km2 OR Composite) | | LEVEL 4 (≥4th Order & >100 km2 OR Composite) | | LEVEL 5 (≥4th Order & >100 km2 OR Composite) | | LEVEL 6 (≥4th Order & >100 km2 OR Composite) | |
|--|---------------------------|--|------|--|------|--|------|--|------|
| No. | Name | No. | Name | No. | Name | No. | Name | No. | Name |
| 01 | Misaquash River Composite | | | | | | | | |
| 02 | Tantramar River | | | | | | | | |
| 03 | Johnson Creek Composite | | | | | | | | |