Table 1 – NBHN Feature Classes

|  |  |
| --- | --- |
| NBHN Feature Class Name | Description |
| NBHN\_0000\_01\_Wc / Watercourse | Watercourse |
| NBHN\_0000\_02\_Wb / Waterbody | Waterbody |
| NBHN\_0000\_03\_Wl/ Wetland | Wetland |
| NBHN\_0000\_04\_Junc | Junction |
| NBHN\_0000\_06\_Cl | Coastal line |
| NBHN\_0000\_07\_Wshed | Watershed |
| NBHN\_0000\_10\_WG | Water Gauge |
| NBHN\_0000\_HO\_0 | Hydrographic Obstacle Point Geometry |
| NBHN\_0000\_HO\_1 | Hydrographic Obstacle Line Geometry |
| NBHN\_0000\_HO\_2 | Hydrographic Obstacle Polygon Geometry |
| NBHN\_0000\_MMH\_0 | Manmade Hydrographic Point Geometry |
| NBHN\_0000\_MMH\_1 | Manmade Hydrographic Line Geometry |
| NBHN\_0000\_MMH\_2 | Manmade Hydrographic Polygon Geometry |
| NBHN\_0000\_NF\_0 | Named Feature Point Geometry |
| NBHN\_0000\_NF\_1 | Named Feature Line Geometry |
| NBHN\_0000\_NF\_2 | Named Feature Polygon Topology |

Table – Watercourse Network Entity (Including Spines) (Geometry: Line)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | Unique global identifier of the feature | Char(38) UUID |
| Water Definition | Properties of a water body according to its water velocity and usage. | Integer (See Table 17), Codes translated as: Unknown, None, Canal, Conduit, Ditch, Lake, Reservoir, Watercourse, Tidal River, Liquid Waste, Pond, Ocean, Side Channel, Wetland,  Water body\_Wetland, Impoundment, Riverbed, Aquaculture, Saltwater Lake, Generic Water, Thoroughfare. |
| Flow Direction | The water flow direction compared to the feature digitizing direction. | Integer (See Table 20), Codes translated as: Not Applicable, Opposite Direction, Same Direction, Unknown |
| Level Priority | The Network Linear Flow route classification within the hydrographic network. | Integer (See Table 21)  Codes translated as:  Primary, Secondary, Unknown |
| Network Flow Type | The nature of the Network Linear Flow. | Integer (See Table 22)  Codes translated as:  Constructed, Inferred (or Spine), None, Observed, Unknown |
| Permanency | Nature of the occurrence through time. | Integer (See Table 23)  Codes translated as:  Unknown, None, Permanent, Intermittent |
| Isolated | Anything not connected with any other water body, wetland or single line watercourse that flows to the ocean. | Boolean (Yes/No) |
| ID Date | The date at which the geographical name identifier(s) was (were) associated to the feature. | Char(8) Date in the format:  YYYYMMDD, or YYYYMM, or YYYY. |
| Name ID 1 | Official geographical name. | Char(38) UUID, blank if none |
| Name ID 2 | Official geographical name. | Char(38) UUID, blank if none |
| Local Name ID | Local name | Char(32) |
| Name 1 |  | Char(150) |
| Name 2 |  | Char(150) |
| Local Name |  | Char(150) |
| Direction Confirmed | Indication if the flow direction has been confirmed by an inspection process. | Boolean (Yes/No) |
| WaterID | Associated identifier from the NB Aquatic Data Warehouse database. | Long Integer |
| Stream Order | Strahler stream classification value. | Integer |
| Length | The computed line length (in metres) in 2-D or 3-D according to the dimension of the line geometry. | Real |
| Surface Water Designation | A special management indicator. | Integer (See Table 34). Codes translated as: Unknown, None, Drinking water supply |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Water body Entity

Table - Water body Entity (Geometry: Polygon)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | Unique global identifier of the feature. | Char(38) UUID |
| Water Definition | Properties of a water body according to its water velocity and usage. | Integer (See Table 17), Codes translated as: Unknown, None, Canal, Conduit, Ditch, Lake, Reservoir, Watercourse, Tidal River, Liquid Waste, Pond, Ocean, Side Channel, Wetland,  Water body\_Wetland, Impoundment, Riverbed, Aquaculture, Saltwater Lake, Generic Water, Thoroughfare. |
| Permanency | Nature of the occurrence through time. | Integer (See Table 23)  Codes translated as:  Unknown, None, Permanent, Intermittent |
| Isolated | Anything not connected with any other water body, wetland or single line watercourse that flows to the ocean. | Boolean (Yes/No) |
| Shoreline Water Level Datum | Elevation Datum of the free water surface relative to a datum. The value “None” will apply to non-tidal water bodies. | Integer (See Table 24)  Codes translated as:  Unknown, None, OHW |
| ID Date | The date at which the geographical name identifier(s) was (were) associated to the feature. | Char(8) Date in the format: YYYYMMDD, or YYYYMM, or YYYY. |
| Name ID 1 | Official geographical name. See Toponymic Information Entity table. | Char(38) UUID, blank if none |
| Name ID 2 | Official geographical name. See Toponymic Information Entity table. | Char(38) UUID, blank if none |
| Local Name ID | Local unofficial name identifier | Char(38) UUID, blank if none |
| Name 1 | Official geographical name. See Toponymic Information Entity table. | Char(150) |
| Name 2 | Official geographical name. See Toponymic Information Entity table. | Char(150) |
| Local Name | Local unofficial name | Char(150) |
| WaterID | Associated identifier from the NB Aquatic Data Warehouse database. | Integer |
| Maximum Water Depth | Depth of the water from the surface at the maximum point (in metres). | Real F5.1 (1 decimal place)  No Depth Assigned = 0 |
| Water Level Elevation | Elevation of the surface of the water (in metres). If this value is not assigned then the Maximum Water Depth is not related to any reference or datum. | Real F5.1 (1 decimal place)  No Elev Assigned = -999 |
| Area[[1]](#footnote-1) | The computed area of the feature (in square metres). | Real  Not Assigned = 0 |
| Perimeter | The computed length of the feature boundary (in metres). | Real  Not Assigned = 0 |
| Surface Water Designation | A special management indicator. | Integer (See Table 34)  Codes translate as: Unknown, None, Drinking Water Supply |
| Impoundment Modifier | Indicates if the water body is a head pond retained by a dam | Integer (values: True or False) |
| Water Use | Indicates the primary purpose of an impounded water body. | Integer (domain yet to be determined, tentatively includes: Industrial,  Agricultural, Sewerage,  Habitat Conservation,  Drinking Water/Water Supply),  Hydroelectricity,  Beaver Pond,  Log Driving,  Diversion,  Water Storage,  Flood Control) |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Island Entity

Table - Island Entity (Geometry: Polygon)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | Unique global identifier of the feature. | Char(38) UUID |
| Coastal Island | A tract of land surrounded by the sea. | Boolean (Yes/No) |
| Island Type | Indicates a specific island type. | Integer: (See Table 35)  Codes translated as:  Unknown, Other, Sand, Rock |
| Permanency | Nature of the occurrence through time. | Integer (See Table 23)  Codes translated as:  Unknown, None, Permanent, Intermittent |
| ID Date | The date at which the geographical name identifier(s) was (were) associated to the feature. | Char(8) Date in the format: YYYYMMDD, or YYYYMM, or YYYY. |
| Name ID 1 | Official geographical name. | Char(38) UUID, blank if none |
| Name ID 2 | Official geographical name. | Char(38) UUID, blank if none |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Junction Entity

Table - Junctions (Geometry: Point)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | Unique global identifier of the feature. | Char(38) UUID |
| Junction Type | A type assigned based on the network connectivity rules. The different types of junctions are related to the linear elements associated with the intersection at the junction. These junction types serve to enforce connectivity rules. | Integer (See Table 28)  Codes translated as:  None, Network Linear Flow (NLF), NLF and Shoreline, Water Boundary Entity, Start and End of NLF, NatProvTer, NLF and Delimiter, Start and End of Network connected to Bank |
| Water Depth | Depth of the water from the surface at the point (in metres). | Real F5.1 (1 decimal place)  No Depth Assigned = 0 |
| Water Level Elevation | Elevation of the surface of the water (in metres). If this value is unassigned then the water depth value is not related to any reference or datum. | Real F5.1 (1 decimal place)  No Elev Assigned = -999 |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Watershed Entity

Table - Watershed (Geometry: Polygon)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| LEVL1\_2\_NO | Number indicating the Level 1 (highest level) and Level 2 watersheds. The first number indicates which Level 1 watershed the feature is a memeber of. The second number indicates the number of the Level 2 watershed the feature represents. | Char(16) |
| LEVL1\_NAME | Name of the Level 1 Watershed the feature is a member of. | Char(50) |
| LEVL2\_NAME | Name of the Level 2 Watershed that the feature represents. | Char(50) |

## Water Gauge Entity

Table - Water Gauge (Geometry: Point)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | Unique global identifier of the feature. | Char(38) UUID |
| Station Name | Name given to gauge station. | Variable Char(255) |
| Owner Name | Name of organization responsible for the gauge. | Variable Char(255) |
| Status | The operational state of the gauge. | Char(12) Active, Discontinued |
| Station ID | Gauge station identifier. | Char(10) (eg. “01BQ001”) |
| Gauge Type | Type of gauge. | Integer (See Table 33)  Codes translated as: Water Quality; Stream Flow, Water Level, Stream Flow and Water Level; Water Quality, Stream Flow and Water Level; Water Quality and Water Level; Other, Unknown) |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Hydrographic Obstacle Entity

Table - Hydrographic Obstacle Entity (Geometry: Point, Line, Polygon)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | Unique global identifier of the feature. | Char(38) UUID |
| Obstacle Type | The nature of the obstacle on the Hydro Network where the natural flow of water is disturbed or impeded. | Integer (See Table 19)  Codes translated as:  Unknown, None, Falls, Rapids, Reef, Reef in Ocean, Rocks, Disappearing stream, Rocks in Ocean, Exposed shipwreck, Exposed shipwreck in Ocean, Ford |
| ID Date | The date at which the geographical name identifier(s) was (were) associated to the feature. | Char(8) Date in the format: YYYYMMDD, or YYYYMM, or YYYY. |
| Name ID 1 | Official geographical name from the geographical name database. For the Network Linear Flow feature, only river type geographical names apply. | Char(38) UUID, blank if none |
| Name ID 2 | Official geographical name from the geographical name database. For the Network Linear Flow feature, only river type geographical names apply. | Char(38) UUID, blank if none |
| Name 1 | Text of official name 1. | Char(150) |
| Name 2 | Text of official name 1. | Char(150) |
| Elevation | Elevation of the feature (in metres). | Real F5.1 (1 decimal place)  No Elev Assigned = -999 |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Manmade Hydrographic Entity

Table - Manmade Hydrographic Entity (Geometry: Point, Line, Polygon)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | Unique global identifier of the feature. | Char(38)UUID |
| Manmade Status | The operational condition of a manmade structure at a specified time. | Integer (See Table 29)  Codes translated as: Unknown, Operational, Abandoned |
| Manmade Type | A manmade structure constructed to facilitate access to water resource or to control water level. | Integer (See Table 18)  Codes translated as:  Unknown, None, Dam, Dock, Wharf, Breakwater, Breakwater in Ocean, Dike/Levee, Lock Gate, Boat Ramp, Fish Ladder, Slip, Groynes, Aquaculture Site, Culvert, Causeway, Bridge |
| ID Date | The date at which the geographical name identifier(s) was (were) associated to the feature. | Char(8) Date in the format: YYYYMMDD, or YYYYMM, or YYYY. |
| Name ID 1 | Official geographical name from the geographical name database. For the Network Linear  Flow feature, only river type geographical names apply. | Char(38) UUID, blank if none. |
| Name ID 2 | Official geographical name from the geographical name database. For the Network Linear Flow feature, only river type geographical names apply. | Char(38) UUID, blank if none. |
| Name 1 | Text of official name 1. | Char(150) |
| Elevation | Elevation of the feature (in metres). | Real F5.1 (1 decimal place)  No Elev Assigned = -999 |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Named Feature Entity

Table - Named Feature (Geometry: Point, Line, Polygon)

| Attribute Name | Definition | Type and Value List |
| --- | --- | --- |
| NID | Unique ID of the feature. | Char(38) UUID |
| ID Date | The date at which the geographical name identifier(s) was (were) associated to the feature. | Char(8) Date in the format: YYYYMMDD, or YYYYMM, or YYYY. |
| Name 1 | Text of official name 1. | Char(150) |
| Name ID | NID identifier of the name in the name database | Char(38) UUID |
| Related NID | Reference to existing geometry to which the name relates. | Char(38) blank if none |
| See additional fields | Object Metadata | Table 16 - Object Metadata |

## Object Metadata

Table - Object Metadata

|  |  |  |
| --- | --- | --- |
| Attribute Name | Definition | Type and Value List |
| NID | NID of the related object. | Char(38) UUID |
| Dataset Name | NHN dataset identifier. | Char(32)  7-character code based on the naming convention of the Water Survey of Canada Sub-  Sub-Drainage Areas (WSCSSDA) and/or the Fundamental Drainage Areas from the Atlas of  Canada (FDAAC). |
| Watershed Code | The NBADW code that corresponds to the NHN Dataset ID. | Char(17) |
| Validity Date | Date of the data source used to create, revise or confirm an object. A source corresponds to any analog or digital document or field validation (e.g. aerial photography, imagery, GPS). | Char(8)  A date in the format YYYYMMDD, or blank if unknown |
| Acquisition Technique | The type of data source used to generate the data. | Integer (See Table 30)  Codes translated as follows:  Unknown, None, Other, GPS, Orthoimage, Orthophoto, Vector, Paper Map, Field Completion |
| Completely Cover | Flag indicating if Object Metadata cover the entire object or only a portion of it. | Boolean  Codes translated as follows:  No, Yes |
| Planimetric Accuracy | Planimetric data accuracy (in metres) expressed as the Circular Map Accuracy Standard (CMAS). | Real  Range: [-1, 0...50] Value "-1" is used when not applicable |
| National Provider | The agency that generated (created or revised) the object. This is generalized for the Federal NHN requirement. | Integer (See Table 31)  Codes translated as:  Federal, Provincial, Municipal, Other |
| NB Provider | The agency that generated (created or revised) the object for Province of New Brunswick specific sources. | Integer (See Table 32), Codes translated as: NBDNR, NBENV, NBADW, NBDOT, City\_Fred, City\_SJ, City\_Monc, Other Provincial, Other Municipal, Other |

## Code Tables

Note that code values in the 400 range are added for the NBHN and do not exist in the related NHN code table. The NHN Province Name attribute code for New Brunswick is “4” and so is used as a prefix.

Table - Water Definition (for Watercourse and Water body Types) Code Table

| Value Name | Code | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | No value provided. |
| Canal | 1 | A watercourse serving as a navigable waterway or to channel water. |
| Conduit | 2 | An artificial watercourse such as an Aqueduct, Penstock, Flume, or Sluice designed to carry water for purposes other than drainage. |
| Ditch | 3 | A small open manmade watercourse constructed through earth or rock for the purposes of conveying water. |
| Lake | 4 | A natural and usually flat body of water. |
| Reservoir | 5 | A wholly or partially manmade body of water for storing and/or regulating and controlling water. |
| Watercourse | 6 | A natural body of water through which water may flow. This includes: river, creek, stream, brook, and other natural water flow types. Typically, larger rivers are water bodies and smaller streams are part of the watercourse network. |
| Tidal Watercourse | 7 | A natural body of water in which flow and water surface elevation are affected by the tide. |
| Liquid Waste | 8 | Liquid waste or discharge from an industrial complex. |
| Pond | 9 | A body of standing water usually smaller than a lake. |
| Side Channel | 10 | A channel providing an alternative watercourse within a  flowing body of water. |
| Ocean | 100 | Offshore tidal saltwater body beyond the OHW Line. |
| Wetland | 411 | For a spine through a wetland. |
| Water body\_Wetland | 412 | For a spine through an overlap of a water body and wetland area. |
| Impoundment | 413 | An artificial body of water formed by a dam or excavation for a water supply or to control erosion. |
| Riverbed | 414 | An area periodically flooded. |
| Aquaculture | 415 | An area used for aquaculture. |
| Saltwater Lake | 416 | A coastal lake (or pond) having high salt content. |
| Generic Water | 417 | A general description used in early feature interpretations. |
| Thoroughfare | 418 | A water body connecting two larger water bodies. |

Table - Manmade Type Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | None of the other values. |
| Dam | 1 | A manmade structure built across a body of water to control the water flow. |
| Dock | 2 | A waterway extending between two piers or wharves or cut into the land to receive ships. |
| Wharf | 3 | A structure built along or at an angle to the shore or navigable waters so that ships may lie alongside to receive and discharge cargo and passengers. |
| Breakwater | 4 | A structure used for breaking the force of waves to protect a beach, harbour, or other waterfront facilities. |
| Breakwater in Ocean | 104 | A breakwater found in the ocean |
| Dike/Levee | 5 | An embankment built to restrict the flow of water or other liquids. |
| Lock Gate | 6 | A gate on a navigable canal used to raise or lower the water level so that boats may pass from one level to another. |
| Boat Ramp | 7 | A sloped area partially above and partly below the water surface used for launching or landing watercraft. |
| Fish Ladder | 8 | A constructed series of pools arranged like steps to enable fish to pass an obstacle. |
| Slip | 9 | A substructure serving as a place for building or repairing ships. |
| Groynes | 410 | A structure of wood or rubble to control water scour or to confine a water channel. The structure is built out to sea on a beach. |
| Aquaculture Site | 411 | A site located in the water consisting of one or more structures for aquaculture. |
| Culvert | 412 | A pipe placed under a road or railway crossing to enable the flow of water. |
| Causeway[[2]](#footnote-2) | 413 | An earthen structure built to elevate the road bed above the water line to allow the crossing of a body of water. |
| Bridge | 414 | A structure built above the water line on piers to carry road or rail traffic across a water body. |
| Control Structure | 415 | A structure on a dam or dyke to control water flow through the structure. |

Table 19 - Obstacle Type Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | A type not in the actual list. |
| Falls | 1 | A perpendicular or steep drop in a body of water over which water flows. |
| Rapids | 2 | A fast flowing often turbulent section of a body of water generally containing rocks or boulders. |
| Reef | 3 | A rock formation alternatively covered and uncovered by the tide. |
| Reef in Ocean | 103 | A reef found in the ocean. |
| Rocks | 4 | A rock or earthen formation always visible above the water surface. |
| Disappearing stream | 5 | Extremity of a water body or a natural depression where water disappears into the ground. |
| Rocks in Ocean | 104 | A rock found in the ocean. |
| Exposed shipwreck | 6 | The remains of a grounded ship partially above the water surface. (Not in user requirements list) |
| Exposed shipwreck in Ocean | 106 | A shipwreck found in the ocean. |
| Ford | 7 | A shallow part of a body of water suitable for crossing by people or vehicles. |
| Other | 8 | A type not in the actual list. |

Table - Flow Direction Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine |
| Same Direction | 1 | The flow direction and the digitizing direction are the same. |
| Opposite Direction | 2 | The flow direction and the digitizing direction are opposite. |
| N/A | 3 | Not applicable. |

Table - Level Priority Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Undetermined. |
| Primary | 1 | Main route. |
| Secondary | 2 | Alternate route. |

Table - Network Flow Type Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | No value available. |
| Observed | 1 | Corresponds to a single line watercourse. |
| Inferred | 2 | Located in a body of water, excluding liquid waste. |
| Constructed | 3 | Joins disconnected networks and has no correspondence to an observed single line watercourse. These are artificial lines that may be used where it is desired to connect one watercourse to another but no evidence of a watercourse is observed on the ground. The line may be a direct point to point line or may follow an arbitrary path between the lines being connected. |

Table - Permanency Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| Permanent | 1 | Intended to exist or function for a long, indefinite  period. |
| Intermittent | 2 | Periodically existing and non-existing at intervals. |

Table - Shoreline Water Level Datum Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | None of the other values. |
| OHW | 405 | Ordinary High Water.  The following definition as per the DTDB98 specifications:  The most discernable mark on the ground created by the medium high tide between the spring and the neap tides. On sand and cobble beaches, it is commonly identified by lines of seaweed and debris, changes in beach slope, changes in sedimentation, or changes in hue. On boulder beaches and rock platforms, the limit of intertidal flora and fauna or watermarks may be indicators. Where manmade features extend to or below the Ordinary High Water Mark, the line will follow either evidence on the structure, or in cases of no apparent evidence, an elevation transferred from the adjacent Ordinary High Water Mark. On Coastal Marshes, the location of the Ordinary High Water Mark is dependent on the composition of the marsh relative to the percentage of high and low marsh. For high marshes that are characterized by only infrequent flooding by the highest tides the ordinary high water mark would be located seaward of the marsh. As low marshes are usually flooded daily by the tides, the ordinary high water mark would define either the landward limit of the marsh or a separation between high and low marsh where the two forms of marsh occur together. |

Table 25 - Drainage Code Table

|  |  |
| --- | --- |
| Value Name (Level 1 – Watershed) | Code Value |
| Saint John River Basin | 01 |
| Miramichi River Basin | 02 |
| Restigouche River Basin | 03 |
| St. Croix River Basin | 04 |
| Nepisiguit River Basin | 05 |
| Petitcodiac River Basin | 06 |
| Northumberland Strait Comp. | 07 |
| West Fundy Composite | 08 |
| Acadian Peninsula Comp. | 09 |
| Chaleur Bay Composite | 10 |
| East Fundy Composite | 11 |
| Fundy Isles Composite | 12 |
| Inner Bay of Fundy Comp | 13 |

The second level drainage codes are to be supplied as a source dataset for the production of the NBHN.

Table – Wetland Designation Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 |  |
| None | 0 |  |
| Provincially Significant | 1 |  |

Table - Junction Type Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| None | 0 | None of the other values. |
| Network Linear Flow | 1 | Adjoining to Network Linear Flows only. |
| Network Linear Flow and  Shoreline Element | 2 | Adjoining to a Network Linear Flow and a OHW Line. |
| Water Boundary Element | 3 | Adjoining to a water body. |
| Start and End of Network  Linear Flow | 4 | Adjoining to a single Network Linear Flow only. |
| NatProvTer | 5 | Adjoining to a Network Linear Element and a national,  provincial or territorial boundary; or Adjoining to a  OHW Line and a watershed boundary. |
| Network Linear Flow and Delimiter | 6 | Adjoining to a Network Linear Flow and a Delimiter. |
| Start of Network  Connected to Bank | 7 | Adjoining to a single Network Linear Flow and a water body. |
| Wetland Boundary Element[[3]](#footnote-3) | 408 | Adjoining a Wetland. |
| Watershed flow exit | 409 | At the point in a watershed where the flow exits to the next downstream watershed or terminates in the ocean. |
| Surface Water Designation | 410 | The segmentation point on a water body or watercourse that marks the extend of a designated surface water area defined for that feature. |

Table - Manmade Status Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| Operational | 1 | Ready for or in condition to undertake a destined  function. |
| Abandoned | 2 | No longer suitable for a destined function. |

Table 30 – Acquisition Technique Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | No value available. |
| Other | 1 | A value not explicitly mentioned in the domain. |
| GPS | 2 |  |
| Orthoimage | 3 |  |
| Orthophoto | 4 |  |
| Digital Data | 5 |  |
| Plan | 6 |  |
| Field | 7 |  |

Table – National Provider Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Other | 1 | All possible values not explicitly mentioned in the domain. |
| Federal | 2 | Federal government source. |
| Provincial | 3 | Provincial government source. |
| Municipal | 4 | Municipal government source. |

Table – NB Provider Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Other | 1 | All possible values not explicitly mentioned in the domain. |
| NBDNR | 2 | NB Natural Resources department source. |
| NBDELG | 3 | NB Environment and Local Government department source. |
| NBADW | 4 | NB Aquatic Data Warehouse source. |
| NBDTI | 5 | NB Transportation and Infrastructure department source. |
| City of Saint John | 6 | City of Saint John source. |
| City of Moncton | 7 | City of Moncton source. |
| City of Fredericton | 8 | City of Fredericton source. |
| Other Provincial | 9 | Other provincial departments not in the list. |
| Other Municipal | 10 | Other municipalities not in the list. |

Table – Water Gauge Type Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | No value available. |
| Other | 1 | Value not found in the provided list. |
| Water Quality | 2 |  |
| Stream Flow | 3 |  |
| Water Level | 4 |  |
| Stream Flow and Water Level | 5 |  |
| Water Quality, Stream Flow and Water Level | 6 |  |
| Water Quality and Water Level | 7 |  |

Table – Surface Water Designation Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | No value available. |
| Other | 1 | Value not found in the provided list. |
| Drinking Water Supply | 2 | Special designation for drinking water. |

Table – Island Type Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| None | 0 | No value available |
| Other | 1 | A value not provided in the list |
| Sand | 2 | Island composed almost entirely of sand with limited trees and shrubs.. |
| Rock | 3 | Composed mostly of rock. |

Table – Peat Resource Indicator Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| No | 0 |  |
| Yes | 1 |  |

Table – Language Code Table

| Value Name | Code Value | Definition |
| --- | --- | --- |
| Unknown | -1 | Impossible to determine. |
| Aboriginal | 1 |  |
| English | 2 |  |
| English/Aboriginal | 3 |  |
| English/French/Aboriginal | 4 |  |
| French | 5 |  |
| French/Aboriginal | 6 |  |
| French/English | 7 |  |

1. New field for the computed area of the polygon as per user request [↑](#footnote-ref-1)
2. [↑](#footnote-ref-2)
3. Added for NBHN wetlands. [↑](#footnote-ref-3)