NB Aquatic Data Warehouse
Field Names and Descriptions

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FieldName	Description
AcreFeet	Surface area multiplied by mean depth
Agency_Cd	Code for agency or group performing the survey
Agency2Cd	Secondary agency involved in the activity
AgencyCd	Code representing the agency who collected the data
AgengySiteID	Site identifier used by the agency who collected the data
AgeUnitOfMeasure	Unit of measure for age – weeks, months, years
Air_Temp	Ambient air temperature measured in ºC
AirTemp	Ambient air temperature measured in ºF
AirTemp_C	Ambient air temperature measured in ºC
AirTemp_F	Ambient air temperature measured in ºF
AnglingInfoInd	Indicates whether there is any creel census information available
AquaticActivityID	Unique identifier for data collection activities
AquaticSiteDesc	Description of the location of the site
AquaticSiteID	Unique identifier for site where data is collected or management activity occurs
AquaticSiteName	Name of site
AquaticVeg_Emergent	Percentage of emergent aquatic vegetation
AquaticVeg_Submerged	Percentage of submerged aquatic vegetation
Area_ha	Drainage area measured in hectares as defined by the drainage area polygon
Area_m2	Area of the lake as determined by GIS, measured in square meters
Area_m2	Area of the habitat unit measured in m2
Area_m2	Surface area of the stream section being sampled (m2)
Area_percent	Percent of province drainage unit's drainage area represents
Assmt_Date	Date of survey - YYYY.MM.DD
Assmt_Time	Time of day when water temperature or flow is measured
AssmtTime	Time of day when water temperature or flow is measured
AveDepth_cm	Average depth of channel measured in centimeters
AveForkLength_cm	Average fork length of fish measured in centimetres
AveLength_cm	Average fish length measured in centimetres

FieldName	Description
AveTotalLength_cm	Average total fish length of the sample measured in centimeters
AveWeight_gm	Average fish weight measured in grams
AveWidth_ft	Average width of the stream measured in feet
Bank_Bare	Percent of stream bank which has no vegetation
Bank_Grass	Percent of stream bank vegetation which is grassy
Bank_L_BarelyStable	Percent of left bank which is barely stable
Bank_L_Eroding	Percent of left bank which is eroding
Bank_L_Stable	Percent of left bank which is stable
Bank_R_BarelyStable	Percent of right bank which is barely stable
Bank_R_Eroding	Percent of right bank which is eroding
Bank_R_Stable	Percent of right bank which is stable
Bank_Shrubs	Percent of stream bank vegetation composed of shrubs
Bank_Trees	Percent of stream bank vegetation composed of trees
Bank_Width	Average width (meters) of the channel at high water
BankFullWidth_m	Average width (meters) of the channel at high water
BareStbl_L	Percent of left bank which is barely stable
BareStbl_R	Percent of right bank which is barely stable
Bedrock	Percent of substrate composed of bedrock
Biomass	Fish biomass
BorderInd	Indicates whether the drainage unit is incomplete as drainage area extends into Maine, Québec or Nova Scotia
Boulder	Percent of substrate composed of boulder
Bright_Grilse	Number of grilse caught during the bright season
Bright_MSW	Number of multi-sea winter salmon caught during the bright season
Bright_Rodday	Number of rod days for grilse and salmon during the bright season
Bright_Total	Total number of Atlantic salmon caught during the bright season
Calib_Len	A calibrated unit length calculated for plotting when the stream survey data is significantly (±10% or more) different than the stream route length covering the same stretch
Chann_Cd	Numeric code representing the type of stream channel
Chann_Pos	Position of main or side channel if left, right or middle
Chann_Type	Description of channel type

FieldName	Description
ChannelCd	Numeric code representing the type of stream channel
ChannelPosition	Position of main or side channel if left, right or middle
CO2	Water chemistry parameter in ppm
Comment_Cd	String of comment codes as per survey sheet. A comment code represents a feature such as a road crossing, active beaver dam, or cottage present
CommentCds	String of comment codes as per survey sheet. A comment code represents a feature such as a road crossing, active beaver dam, or cottage present
County	County the lake is located in
Date	Date the data was collected
Debris_100	Length of woody debris (m) per 100 m2 of habitat area
Debris_Len	Total length (meters) of woody debris greater than 10 cm in diameter
Density	Number of fish per 100 m2
Depth_Max	Maximum depth of lake if known
Depth_Mean	Mean depth of lake if known
Device	Device used for sampling (e.g., Backpack, Boat)
DissolvedO2	Amount of dissolved oxygen measured in parts per million
DOE_FieldNo	Number assigned by field crew
DOE_LabNo	Number assigned by DOE lab
DrainageCd	String of drainage codes representing the watershed unit within NB's hierarchal drainage system
Drainge_Cd	Drainage system codes indicating the drainage unit of the surveyed stream
EFDataID	Unique identifier of the electrofishing data record
Embed_Cd	Numeric code representing the extent of embeddedness
Embedded	Description of embeddedness as a percentage range
EmbeddedCd	Numeric code representing the extent of embeddedness
EndPoint	Description of stream section where survey ends
Eroding_L	Percent of left bank which is eroding
Eroding_R	Percent of right bank which is eroding
FaecalColiformCount_A	Number of colony forming units per 100 ml, sample A
FaecalColiformCount_B	Number of colony forming units per 100 ml, sample B
FieldNotes	Descriptive free form text or general comments (not comment codes)
Fines	Percent of substrate composed of fines

FieldName	Description
FishAge	Actual age of fish being stocked
FishAgeClass	Age class of fish (e.g., 0+, 1+, 2+, Fry, Parr)
FishMark	Method of marking fish such as fin clipping
FishOrigin	Indicates whether the fish are hatchery, wild or unknown
FishSampleID	Unique identifier of fish sample
FishSpecies	Fish species
FishSpeciesCd	Code representing fish species
FishStockingID	Unique identifier of each fish stocking
FishStockName	Name of fish stock or strain
FishwayInd	Indicates whether there is a fishway installed around the obstruction
Flow_cms	Flow of water source (measured in cubic meters per second)
Flow_gpm	Flow of water source (measured in gallons per minute)
Flow_lpm	Flow of water source (measured in litres per minute)
FlowsIntoDrainageCd	The receiving water body's drainage unit codes
FlowsIntoWaterBodyID	Water body ID of the lake or stream into which the water body flows
FlowsIntoWaterBodyName	Name of the water body into which the water body flows
Forest_Hardwood	Percentage of forest cover which is hardwood only
Forest_Hardwood_Softwood	Percentage of forest cover which is predominantly hardwood with some softwood
Forest_Softwood	Percentage of forest cover which is softwood only
Forest_Softwood_Hardwood	Percentage of forest cover which is predominantly softwood with some hardwood
ForkLength_mm	Fork length of fish measured in mm
FreeAcid	Water chemistry parameter in ppm
From_Meas	FOR GIS PURPOSES. Starting point along the stream route where the habitat unit begins. Measurement in meters
Gravel	Percent of substrate composed of gravel
HabitatUnitID	Unique number representing an individual habitat unit. Assigned by the Data Warehouse
HabitatUnitNo	Sequential habitat unit number assigned at the time of survey. Useful for cross referencing data sheets
HabUnit_ID	Unique number representing an individual habitat unit. Assigned by the Data Warehouse
HighestOrder	Indicates the highest stream order within the stream
HorizontalJump	Horizontal distance a fish must jump to clear an obstruction

FieldName	Description
HoursFished	Number of hours the net was in place
IntermittentInd	Indicates whether SNB identified the stream as completely intermittent
Kelt_Grilse	Number of grilse caught during the kelt season
Kelt_MSW	Number of multi-sea winter salmon caught during the kelt season
Kelt_Rodday	Number of rod days for grilse and salmon during the kelt season
Kelt_Total	Total number of Atlantic salmon caught during the kelt season
LakeClass	Lake classification – oligotrophic, mesotrophic, eutrophic, or mesotrophic
LandlockedInd	Indicates whether the stock is landlocked
Length_Max	Maximum size of the fish species caught
Length_Min	Minimum size of the fish species caught
Level1Name	Name of the 1st level drainage basin
Level1No	Numeric code representing the 1st level drainage basin
Level2Name	Name of the 2nd level drainage basin
Level2No	Numeric code representing the 2nd level drainage unit
Level3Name	Name of the 3rd level drainage basin
Level3No	Numeric code representing the 3rd level drainage unit
Level4Name	Name of the 4th level drainage basin
Level4No	Numeric code representing the 4th level drainage unit
Level5Name	Name of the 5th level drainage basin
Level5No	Numeric code representing the 5th level drainage unit
Level6Name	Name of the 6th level drainage basin
Level6No	Numeric code representing the 6th level drainage unit
Lg_Substr	Percent of large substrate types - rock + boulder+ bedrock
LicenseCd	Numeric code representing the residence, license type, class of licence and duration of licence or special waters
LicenseClass	Code assigned by DNR to represent each type of license
LicenseDesc	Description of licence
LicenseSalesID	Unique identifier for each sales record
LicenseType	Type of licence Salmon, general angling, special waters
Maturity	Sexual maturity of fish
Method	Method of carrying out the activity
MethylOrangeAlkalinity	Water chemistry parameter in ppm

FieldName	Description
NoBeaches	Number of beaches
NoBoatLandings	Number of public boat landings
NoCamps	Number of camps or cottages
NoFish	Number of fish
NoPools_4 to 6Deep	Number of pools between 3 - 6 ft deep
NoPools_GT6Deep	Number of pools greater than 6 ft deep
NoPools_LT3ftDeep	Number of pools less than 3 ft deep
NoSold	Number of angling licences sold
NoSweeps	Number of sweeps performed at the site
NurseryLength_ft	Length of surveyed stream which is considered salmonid nursery area (feet)
NurseryQuality	Assessment of the salmonid nursery area as good, fair, or poor
NurseryWidth_ft	Average width of the salmonid nursery area (feet)
O2Saturation	Percent oxygen saturation
ObstructionInd	Indicates whether there is an obstruction in the stream
ObstructionType	Describes the type of obstruction - beaver, concrete, rock fill, or wood
Order_No	Order of stream where habitat unit occurs
Over_Veg_L	Percent of stream width shaded overhanging vegetation on left bank
Over_Veg_R	Percent of stream width shaded overhanging vegetation on right bank
OverhangingVeg_L	Percent of stream width shaded overhanging vegetation on left bank
OverhangingVeg_R	Percent of stream width shaded overhanging vegetation on right bank
Parish	Parish the lake is located in
Perimeter_m	Perimeter of the lake measured in meters by GIS
Personnel	Initials or names of individuals performing the survey
pH	Water chemistry parameter
PhenoAlkalinity	Water chemistry parameter in ppm
PHS	Percent habitat saturation
Point_Meas	FOR GIS PURPOSES. Water temperature or flow measurement is represented as a point along the stream route. Actually the "From Measure" or starting point of the habitat unit
PopulationStatus	Indicates whether the fish species was actually found present in the lake, was reported to be there or known to be a stocked species
PrivateAccess_Boat	Number of private right of ways by boat

FieldName	Description
PrivateAccess_Car	Number of private right of ways by roads suitable for cars
PrivateAccess_Jeep	Number of private right of ways by roads suitable for 4x4's only
PrivateAccess_Trail	Number of private right of ways by trails
PublicAccess_Boat	Number of public right of ways by boat
PublicAccess_Car	Number of public right of ways by roads suitable for cars
PublicAccess_Jeep	Number of public right of ways by roads suitable for 4x4's only
PublicAccess_Trail	Number of public right of ways by trails
QualifierA	Qualifies the data for faecal coliforms, sample A
QualifierB	Qualifies the data for faecal coliforms, sample B
Reach_No	Reach number as indicated on the survey form. Generally refers to a stretch of stream surveyed during a given time period. Has no standard meaning, but maintained for cross referencing data sheets
ReachNo	Reach number as indicated on the survey form. Generally refers to a stretch of stream surveyed during a given time period. Has no standard meaning, but maintained for cross referencing data sheets
RelativeSizeClass	Relative size of the age class, e.g. large parr or small parr
Residence	Residence of licence holder – NB or non-resident
River_Sys	A number assigned to a collection of streams within the same drainage unit to be displayed together in the Data Warehouse system
RiverSystemID	A number assigned to a collection of streams within the same drainage unit to be displayed together in the Data Warehouse system
Rock	Percent of substrate composed of rock
Rubble	Percent of substrate composed of rubble
SampleDepth	Depth of the water sample or depth measurement taken
SampleDepth_m	Depth at which water sample was collected - measured in metres.
Sand	Percent of substrate composed of sand
SecchiDepth_ft	Depth at which a secchi disc becomes invisible (feet)
SexCd	Sex of fish
Shade	Percent shade
ShorelineShape	Classifies the shoreline shape as irregular, moderately irregular, or circular
ShoreUse_Cottages	Percentage of shoreline that has cottages
ShoreUse_Farm Land	Percentage of shoreline that is used for farming
ShoreUse_ImmatureTimber	Percentage of shoreline that has immature timber

FieldName	Description
ShoreUse_MatureTimber	Percentage of shoreline that has mature timber
ShoreUse_RecentCutover	Percentage of shoreline with forest which has recently been cut
ShoreUse_Residential	Percentage of shoreline that is residential
ShoreUse_Wetlands	Percentage of shoreline that is wetland
ShoreVeg_Alder	Percentage of shoreline shrubs which are alder
ShoreVeg_Cedar	Percentage of shoreline shrubs which are cedar
ShoreVeg_Heath	Percentage of shoreline shrubs which are heath
ShoreVeg_Sedge	Percentage of shoreline shrubs which are sedge
Silt	Percentage of substrate composed of silt
SiteSetup	Site setup used (e.g., Open, Closed)
Source	Source of origin for stocked fish (e.g., satellite rearing, hatchery)
SpawningLength_ft	Length of the surveyed stream which is considered salmonid spawning area (feet)
SpawningPotential	Classifies the potential for salmonid shoreline spawning as good, fair, or poor
SpawningQuality	Assessment of the salmonid spawning area - good, fair, or poor
SpawningWidth_ft	Average width of the salmonid spawning area (feet)
Stable_L	Percent of left bank which is stable
Stable_R	Percent of right bank which is stable
StartPoint	Description of starting point of section being surveyed
StratifiedInd	Indicates whether the lake is stratified
StreamLength_km	Length of the stream determined through GIS, measured in meters
StreamLength_m	Length of sample area (m)
StreamLength_m	Length of the habitat unit measured in meters
StreamOrder	The order of the stream if a drainage unit represents a stream
StreamTypeCd	Numeric code representing the geomorphic description of the habitat unit
StrTyp_Cd	Numeric code representing the geomorphic description of the habitat unit
StrTyp_Des	Description of stream type
StrTyp_Grp	Category of stream type - riffle, run, pool, rapid or other
Substrate_Bedrock	Percentage of shoreline substrate consisting of ledge
Substrate_Boulder	Percentage of shoreline substrate consisting of boulders
Substrate_Gravel	Percentage of shoreline substrate consisting of gravel
Substrate_Mud	Percentage of shoreline substrate consisting of mud

FieldName	Description
Substrate_Rock	Percentage of shoreline substrate consisting of rocks
Substrate_Rubble	Percentage of shoreline substrate consisting of rubble
Substrate_Sand	Percentage of shoreline substrate consisting of sand
SurveyLength_mi	Length of stream surveyed measured in tenths of a mile
Terrain_Flat	Percentage of drainage basin which is considered flat
Terrain_Hilly	Percentage of drainage basin which is hilly
Terrain_Mountainous	Percentage of drainage basin which is mountainous
Terrain_Rolling	Percentage of drainage basin which is rolling hills
TidalInd	Indicates whether the stream has tidal influence, i.e. flows directly into salt water or flows into the tidal area of another stream (as identified by SNB)
Time	Time of day data was collected
To_Meas	FOR GIS PURPOSES. End location along the stream route where the habitat unit ends. Equals From Measure + Unit Length. Measurement in meters
Tot_Und_Bk	Total percent of unit length (left + right) with undercut banks
Tot_Veg	Total percent of stream width shaded by overhanging vegetation from both banks
TotalHardness	Water chemistry parameter in ppm
TotalLength_mm	Total length of fish measured in mm
TotalLgSubstrate	Percent of large substrate types - rock + boulder+ bedrock
TotalSeason_Grilse	Number of grilse caught during entire season
TotalSeason_MSW	Number of multi-sea winter salmon caught during the entire season
TotalSeason_Rodday	Number of rod days for grilse and salmon for total season
TotalSeason_TotalCatch	Total number of Atlantic salmon caught during the entire season
TributaryName	Name of the stream being surveyed
Und_Bank_L	Percent of left bank length which is undercut
Und_Bank_R	Percent of right bank length which is undercut
UndercutBank_L	Percent of left bank length which is undercut
UndercutBank_R	Percent of right bank length which is undercut
Unit_Area	Area of the habitat unit measured in m2
Unit_Depth	Average depth of channel measured in centimeters
Unit_Len	Length of the habitat unit measured in meters
Unit_No	Sequential habitat unit number assigned at the time of survey. Useful for cross referencing data sheets

FieldName	Description
UnitName	Name of the drainage unit
UnitType	Type of drainage unit - stream, headwaters or composite
Veg_Bare	Percent of stream bank which has no vegetation
Veg_Grass	Percent of stream bank vegetation which is grassy
Veg_Shrub	Percent of stream bank vegetation composed of shrubs
Veg_Trees	Percent of stream bank vegetation composed of trees
VerticalJump	Height of the obstruction over which fish must jump
Volume_m3	Volume of lake if known, Measured in m3
Water_Cd	Numeric code indicating the source of water being measured
Water_Flow	Flow of water source measured in cubic meters per second
Water_ID	Unique identifier of the surveyed stream
Water_Name	Name of the surveyed stream
Water_Src	Description of water source
Water_Temp	Water temperature measured in ºC
Water_Temp	Water temperature measured in ºC
WaterBodyID	Number assigned to each lake and stream so they may be uniquely identified
WaterBodyName	Official name of the stream or lake as determined by the Gazetteer of Canada - New Brunswick
WaterBodyTypeCd	Alphabetic code representing the type of water being identified - lake or stream
WaterChemInd	Indicates whether a water sample was collected for chemical analysis in the lab
WaterColor	Classifies observed water color as colorless, yellow/brown, or blue/green
WaterFlow_cms	Flow of water source measured in cubic meters per second
WaterLevel	Description of water level at the time of the survey - low, moderate or high
WaterSourceCd	Numeric code indicating the source of water being measured
WaterTemp_C	Water temperature measured in °C
WaterTemp_F	Temperature of the water measured in ºF
WeatherConditions	Description of weather conditions at the time of the activity
Weight_gm	Average fish weight measured in grams
WeightRange_gm	Weight range of fish measured in grans
Wet_Width	Average width (meters) of the channel that is currently wet
WetWidth_m	Average width (meters) of the channel that is currently wet

FieldName	Description
WoodyDebris	Classifies the amount of woody debris in the littoral area (<6 ft) as considerable, light or none
WoodyDebrisLength_m	Total length (meters) of woody debris greater than 10 cm in diameter
WoodyDebrisLengthPer100 m2	Length of woody debris (m) per 100 m2 of habitat area
Year	Year