

Canadian Aquatic Barriers Database

Simplified Data Dictionary

Feature Types

Dams

Definition: *In the CABD, dams are defined as: small dams (i.e., having a height of less than 5 m), medium dams (i.e., having a height between 5 and 15 m), and large dams (i.e., having height of 15 m or greater, or a height between 5 m and 15 m that impounds more than 3 million m³).*

Attributes: [Assessment Schedule](#), [Average Rate of Discharge \(L/s\)](#), [Barrier Identifier](#), [Comments](#), [Completeness Level](#), [Construction Type](#), [Construction Year](#), [Dam Condition](#), [Dam Function](#), [Dam Name \(English\)](#), [Dam Name \(French\)](#), [Dam Size](#), [Dam Use](#), [Degree of Regulation](#), [Downstream Passage Route](#), [Expected Life \(Years\)](#), [Feature Type](#), [Federal Compliance Status](#), [Federal Flow Requirements \(m³/s\)](#), [Generating Capacity \(MWh\)](#), [Has Hydro Peaking System](#), [Height \(m\)](#), [Lake Control](#), [Last Maintenance Date](#), [Last Modified](#), [Latitude](#), [Length \(m\)](#), [Longitude](#), [Municipality](#), [Next Maintenance Date](#), [NHN Work Unit ID](#), [Number of Turbines](#), [Operating Note](#), [Operating Status](#), [Owner](#), [Ownership Type](#), [Passability Status](#), [Passability Status Note](#), [Province/Territory Name](#), [Provincial Compliance Status](#), [Provincial Flow Requirements \(m³/s\)](#), [Removed Year](#), [Reservoir Area \(km²\)](#), [Reservoir Depth \(m\)](#), [Reservoir Name \(English\)](#), [Reservoir Name \(French\)](#), [Reservoir Present](#), [Spillway Capacity](#), [Spillway Type](#), [Storage Capacity \(mcm\)](#), [Turbine Type](#), [Upstream Catchment Area \(km²\)](#), [Upstream Linear Length \(km\)](#), [Upstream Passage Type](#), [Use Fisheries](#), [Use Flood Control](#), [Use Hydroelectric](#), [Use Invasive Species Control](#), [Use Irrigation](#), [Use Navigation](#), [Use Other](#), [Use Pollution Control](#), [Use Recreation](#), [Use Water Supply](#), [Waterbody Name \(English\)](#), [Waterbody Name \(French\)](#), [Watershed Group Name](#)

Waterfalls

Definition: *A natural structure that may impede the ability of fish to travel upstream due to changes in elevation and increased flow velocity.*

Attributes: [Barrier Identifier](#), [Comments](#), [Completeness Level](#), [Last Modified](#), [Latitude](#), [Longitude](#), [Fall Height \(m\)](#), [Fall Name \(English\)](#), [Fall Name \(French\)](#), [Feature Type](#), [Municipality](#), [NHN Work Unit](#), [Passability Status](#), [Province/Territory Name](#), [Waterbody Name \(English\)](#), [Waterbody Name \(French\)](#), [Watershed Group Name](#)

Fishways

Definition: *A structure that is constructed to facilitate the passage of fish up- and/or downstream of an aquatic barrier (e.g., a dam or waterfall).*

Attributes: [Architect](#), [Attraction Estimate \(%\)](#), [Average Velocity of Water Flow \(m/s\)](#), [Completeness Level](#), [Constructed By](#), [Contracted By](#), [Dam Identifier](#), [Dam Name \(English\)](#), [Dam Name \(French\)](#), [Designed Based on Biology](#), [Elevation \(m\)](#), [Engineering Notes](#), [Entrance Location](#), [Entrance Position](#), [Feature Type](#), [Fishway Type](#), [Gradient](#), [Has Evaluating Studies](#), [Is Modified](#), [Latitude](#), [Length \(m\)](#), [Longitude](#), [Maximum Velocity of Water Flow \(m/s\)](#), [Mean Channel Depth \(m\)](#), [Modification Purpose](#), [Modification Year](#), [Monitoring Equipment](#), [Municipality](#), [Nature of Evaluating Studies](#), [NHN Work Unit](#), [Operating Note](#), [Operation Period](#), [Plans Held By](#), [Province/Territory Name](#), [Purpose of Fishway](#), [Reference Identifier](#), [River/Stream Name](#)

[\(English\)](#), [River/Stream Name \(French\)](#), [Species Known to Not Use](#), [Species Known to Use](#), [System Identifier](#), [Transit Success Estimate \(%\)](#), [Waterbody Name \(English\)](#), [Waterbody Name \(French\)](#), [Watershed Group Name](#), [Year Constructed](#)

Attribute Descriptions

Assessment Schedule

Definition: *The frequency that the dam structure is assessed by an owner or regulatory body.*

Average Rate of Discharge (L/s)

Definition: *The average rate of discharge at the dam location in litres per second.*

Barrier Identifier

Definition: *Unique identifier for each barrier point.*

Comments

Definition: *Unstructured comments about the feature.*

Completeness Level

Definition: *The level of information available for the feature in the CABD.*

Values:

Name	Description (Dams)	Description (Waterfalls)	Description (Fishways)
Unverified	<i>Record is not verified.</i>	<i>Record is not verified.</i>	<i>Record is not verified.</i>
Minimal	<i>Location is verified but little attribute data is captured.</i>	<i>Only location is verified.</i>	<i>Only location is verified.</i>
Moderate	<i>Location is verified, and most attribute data is captured.</i>	<i>Location and height are known—unknown if waterfall is a barrier to fish.</i>	<i>Location and some attributes are known.</i>
Complete	<i>Location is verified, and all attribute data is captured.</i>	<i>Location and height are known—confirmed to be a barrier to fish.</i>	<i>Location and all attributes are known.</i>

Construction Type

Definition: *The type of dam structure, categorized by construction material/design.*

Values:

Name	Description
Arch	<i>Concrete structure that is curved in the upstream direction.</i>
Buttress	<i>Structure with watertight wall supported at intervals on the downstream side by a series of triangle shaped walls; typically, reinforced concrete.</i>
Earthfill	<i>Structure composed of successive compacted layers of earth; clay-soil core reduces permeability. Also referred to as earth and embankment dams.</i>
Gravity	<i>Structure constructed of concrete and/or masonry which relies on its weight and internal strength for stability.</i>
Multiple Arch	<i>A buttress dam composed of a series of arches for the upstream face.</i>
Rockfill	<i>Structure composed of dumped and compacted rock fill; permeable with impermeable core or layer on the upstream face.</i>
Steel	<i>Structure consisting of a steel framework; inclined struts and steel plates on the upstream face. Supplemented with timber and earthfill to make them water-tight, steel dams are sometimes used as a temporary cofferdam during the construction of the main dam.</i>
Timber	<i>Structure built primarily of wood. Commonly used for temporary water diversion in low-head (2-4 m) areas during the construction of the main dam.</i>
Unknown	<i>Construction type is unknown.</i>
Other	-

Construction Year

Definition: *The year dam construction was completed.*

Dam Condition

Definition: *The dam's physical condition.*

Values:

Name	Description
Good	<i>Structure is fit for its intended purpose; not damaged and capable of agreed standard of performance.</i>
Fair	<i>Structure is in average condition, possessing minor defects.</i>
Poor	<i>Structure condition is deteriorated and requires maintenance.</i>
Unreliable	<i>Structure is not suitable for its intended purpose.</i>

Dam Function

Definition: *The intended function of the dam.*

Values:

Name	Description
Storage	<i>A structure built to store water during times of high flow for a variety of purposes (e.g., water supply, irrigation etc.).</i>
Diversion	<i>A structure built to divert all or some of the water from a waterway into a man-made canal or conduit.</i>
Detention	<i>A structure built for flood control. Retains excess water in a reservoir to maintain the carrying capacity of the waterway, releasing it gradually at a controlled rate to protect downstream areas from flooding.</i>
Debris	<i>A structure built across a waterway to retain debris (e.g., driftwood, gravel, sand etc.).</i>
Coffer	<i>An enclosed temporary structure commonly used during construction. Water is pumped from the enclosure to provide a dry worksite.</i>
Saddle	<i>An auxiliary structure constructed at low spots along the perimeter of a reservoir to limit its extent, or to allow for an increase in storage capacity.</i>
Hydro – Closed-cycle pumped storage	<i>A facility configured to pump water between two water reservoirs at different elevations; both reservoirs are isolated from a free-flowing water source.</i>
Hydro – Conventional storage	<i>A facility that impounds water, which when released, flows through a turbine and generates electricity.</i>
Hydro – Open-cycle pumped storage	<i>A facility configured to pump water between two water reservoirs at different elevations; a free-flowing water source is used for either the upper or lower reservoir.</i>
Hydro – Run-of-river	<i>A facility that channels flowing water from a river through a canal or penstock to spin a turbine.</i>
Hydro – Tidal	<i>A facility configured to intake and store water during high tide and slowly release it back into the ocean during low tide.</i>
Other	-
Unknown	-

Dam Name (English)

Definition: *Given or known name of the dam structure (English).*

Dam Name (French)

Definition: *Given or known name of the dam structure (French).*

Dam Size

Definition: *The size category of the dam based on the height of the dam in meters ([‘Height \(m\)’](#)).*

Values:

Name	Description
Small	<i>A dam having a height less than 5 m.</i>
Medium	<i>A dam having a height between 5 and 15 m.</i>
Large	<i>A dam having a height of 15 m or greater, or a height between 5 m and 15 m that impounds more than 3 million m³.</i>
Unknown	-

Dam Use

Definition: *The primary use of the dam.*

Values:

Name	Description
Irrigation	<i>Supplies controlled amounts of water to land or crops in needed intervals.</i>
Hydroelectricity	<i>Generates electricity by passing water through a hydraulic turbine.</i>
Water supply	<i>Water stored for municipal use.</i>
Flood control	<i>Reduces the effects of flood waters or high-water levels on downstream areas.</i>
Recreation	<i>Reservoir allows for recreational activities (e.g., swimming, boating, fishing, etc.).</i>
Navigation	<i>Increases water levels on rivers to permit ship to navigate waters that were previously unnavigable.</i>
Fisheries	<i>Increasing water levels of the reservoir during spawning season creates suitable spawning habitat for fish, enhancing fish production and fishing success of anglers.</i>
Pollution control	<i>Protects the water resource by trapping polluted water in reservoirs or ponds.</i>
Invasive species control	<i>Prevents the spread of invasive species upstream or to environmentally sensitive areas within the waterway.</i>
Other	-
Unknown	-

Degree of Regulation

Definition: *Degree of Regulation (DOR) in percent; equivalent to “residence time” of water in the reservoir.*

Downstream Passage Route

Definition: *The type of downstream fish passage route associated with the dam.*

Values:

Name	Description
Bypass	<i>A fish screen is used to channel juvenile fish downstream of the structure, bypassing the turbine channel.</i>
River Channel	<i>Fish move downstream of the structure via the natural river channel.</i>
Spillway	<i>Fish move downstream of the structure by passing over the spillway.</i>
Turbine	<i>Fish move downstream of the structure by passing through the turbine channel.</i>

Expected Life (Years)

Definition: *The number of years the dam structure is expected to last.*

Fall Height (m)

Definition: *Height of the waterfall in meters.*

Fall Name (English)

Definition: *Given or known name of the waterfall (English).*

Fall Name (French)

Definition: *Given or known name of the waterfall (French).*

Feature Type

Definition: *The type of feature the data point represents.*

Values:

Name	Description
Dams	<i>In the CABD, dams are defined as: small dams (i.e., having a height of less than 5 m), medium dams (i.e., having a height between 5 and 15 m) and large dams (i.e., having height of 15 m or greater, or a height between 5 m and 15 m that impounds more than 3 million m³).</i>
Waterfalls	<i>A natural structure that may impede the ability of fish to travel upstream due to differences in elevation and increased flow velocity.</i>
Fishways	<i>A structure that is constructed to facilitate the passage of fish up- and/or downstream of an aquatic barrier (e.g., dam or waterfall).</i>

Federal Compliance Status

Definition: *The regulatory authorizations that have been approved for the dam by the federal licensing body.*

Federal Flow Requirements (m³/s)

Definition: *The minimum flow recommendations for the dam structure in cubic meters per second (m³/s). Based on assessments by Fisheries and Oceans Canada for the protection of fish and fish habitat.*

Generating Capacity (MWh)

Definition: *The amount of electricity the hydroelectric facility can produce in megawatt hours.*

Has Hydro Peaking System

Definition: *Indicates if the dam employs a hydro peaking system.*

Height (m)

Definition: *The reported height of the dam in meters. Depending on the data source this can be height of the dam wall, crest height, or head height.*

Lake Control

Definition: *Indicates if a reservoir has been built at the location of an existing natural lake using a lake control structure.*

Values:

Name	Description
Yes	<i>The lake control structure raises the original water level.</i>
Enlarged	<i>The lake control structure enlarged the original lake surface area.</i>
Maybe	<i>Unknown, but data indicates the presence of a lake control structure.</i>

Last Maintenance Date

Definition: *The date of last maintenance or renovation work.*

Last Modified

Definition: *The release date of the data source most recently used to create, revise, or confirm the feature record.*

Latitude

Definition: *The geographic x-coordinate representing the location of the feature.*

Length (m)

Definition: *The length of the crest of the dam from one bank (or abutment) to the other in meters.*

Longitude

Definition: *The geographic y-coordinate representing the location of the feature.*

Municipality

Definition: *The municipality the feature is located in.*

Next Maintenance Date

Definition: *The date of the next scheduled maintenance or renovation work.*

NHN Work Unit ID

Definition: *A code referencing the work unit 'Dataset Name' from the National Hydrographic Network (NHN) that the feature is located in.*

Number of Turbines

Definition: *The number of turbines in the dam structure.*

Operating Note

Definition: *Unstructured comments on important operation considerations for the dam structure or fishway.*

Operating Status

Definition: *The operating status of the dam.*

Values:

Name	Description
Abandoned/Orphaned	<i>Structure is not in operation; has no identifiable owner with legal liability.</i>
Active	<i>Structure is in operation; functioning as intended.</i>
Decommissioned	<i>Structure dismantled/removed.</i>
Retired/Closed	<i>Structure was withdrawn from service but remains in place.</i>
Unknown	<i>Operating status of the structure is not known.</i>

Owner

Definition: *The person, company, organization, government unit, public utility, corporation, or other entity which either holds a water license to operate a dam or retains the legal property title on the dam site.*

Ownership Type

Definition: *The ownership category associated with the dam.*

Values:

Name	Description
Charity/Non-profit	<i>Privately held entities that do not provide financial benefits to their members or organizations; independent from any government.</i>
Federal	<i>National government organization (i.e., department, agency, crown corporation) that performs national level regulatory and administrative functions.</i>
Municipal	<i>Local governing body that provides services, facilities, safety, and infrastructure for communities.</i>
Private	<i>Organization, corporation, or partnership operated for profit that is not public or controlled by one or more public corporations.</i>
Provincial/Territorial	<i>Regional government organization with jurisdiction over their specific regional boundaries.</i>
Other	-
Unknown	-

Passability Status

Definition: *The degree to which the feature acts as a barrier to fish in the upstream direction.*

Values:

Name	Description	(Dams)	(Waterfalls)
Barrier	<i>The structure acts as a hard barrier to all aquatic species.</i>	<i>Dam has no associated fishway structure.</i>	<i>Waterfall has a height of 5 m or greater.</i>
Partial Barrier	<i>The structure may act as a barrier to some aquatic species but may also be passable to others.</i>	<i>A fishway structure is associated with the dam.</i>	<i>Waterfall has a height of less than 5 m.</i>
Passable	<i>The structure does not act as a barrier to aquatic species.</i>	-	-
Unknown	<i>The passability status of the structure is unknown.</i>	-	<i>Waterfall height is unknown.</i>

Passability Status Note

Definition: *Unstructured notes to provide context for the assigned passability status (e.g., species restrictions).*

Province/Territory Name

Definition: *The Province or Territory the feature is located in.*

Provincial Compliance Status

Definition: *The regulatory authorizations that have been approved for the dam by the provincial licensing body.*

Provincial Flow Requirements (m³/s)

Definition: *The legislated flow requirements for the dam structure in cubic meters per second (m³/s) regulated by the provincial licensing body.*

Removed Year

Definition: *The year the dam was decommissioned, removed, replaced, subsumed, or destroyed.*

Reservoir Area (km²)

Definition: *The surface area of the reservoir in square kilometers.*

Reservoir Depth (m)

Definition: *The average depth of the reservoir in meters.*

Reservoir Name (English)

Definition: *Name of the reservoir or controlled lake (English).*

Reservoir Name (French)

Definition: *Name of the reservoir or controlled lake (French).*

Reservoir Present

Definition: *Indicates if a reservoir is present due to construction of the dam.*

Spillway Capacity

Definition: *The designed capacity of the spillway in m³/s.*

Spillway Type

Definition: *The type of spillway associated with the dam structure.*

Values:

Name	Description
Combined	<i>Single spillway that acts as both the principal and emergency spillway.</i>
Free	<i>Surplus water falls freely from the crest of the weir; a straight drop spillway or free overfall spillway.</i>
Gated	<i>Surplus water is regulated with a gate to prevent downstream flooding.</i>
Other	-
None	<i>Structure does not have a spillway.</i>

Storage Capacity (mcm)

Definition: *The storage capacity of the reservoir in million cubic meters.*

Turbine Type

Definition: *The type of turbine in the dam structure.*

Values:

Name	Description
Cross-flow	<i>An impulse turbine used in smaller hydroelectric sites with power outputs between 5 and 100 kW. Known also as Banki-Mitchell or Ossberger turbines.</i>
Francis	<i>A reaction (propeller) turbine commonly used in medium- or large-scale hydroelectric plants for head heights as low as 2 m and as high as 300 m.</i>
Kaplan	<i>A reaction (propeller) turbine with axial-flow and adjustable blades. Most useful for use in dams with large volumes of flow.</i>
Pelton	<i>An impulse turbine commonly used in facilities with head height greater than 300 m.</i>
Unknown	-

Upstream Catchment Area (km²)

Definition: *The area of upstream catchment draining into the reservoir in square kilometers.*

Upstream Linear Length (km)

Definition: *The amount of unobstructed linear kilometers upstream of the dam that would become available to aquatic species if the dam were to be remediated.*

Upstream Passage Type

Definition: *The type of upstream fish passage measure associated with the dam.*

Values:

Name	Description
Denil	<i>A series of close-spaced baffles placed on the bottom and/or sides of an inclined (up to 20%) channel, to redirect the flow of water and reduce its velocity, allowing fish to ascend and migrate upstream.</i>
Nature-like fishway	<i>A diversion channel excavated along the bank of the river, allowing fish to bypass the barrier structure.</i>
Pool and weir	<i>A series of small overflow pools and weirs forming steps that fish can jump between, migrating upstream.</i>
Pool and weir with hole	<i>A series of small overflow pools and weirs provided with submerged holes in which fish can jump between, migrating upstream.</i>
Trap and truck	<i>Fish are trapped and transported upstream of the barrier where they are released.</i>
Vertical slot	<i>A variation of pool and weir fishways where weirs are replaced by walls with vertical slots in which fish can pass through, allowing fish to swim at their desired depth.</i>
Other	-
No structure	<i>No fish passage structure is present.</i>
Unknown	-

Use Fisheries

Definition: *Indicates the dam is used for fisheries purposes, and the extent to which fisheries are a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Flood Control

Definition: *Indicates the dam is used for flood control purposes, and the extent to which flood control is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Hydroelectric

Definition: *Indicates the dam is used for hydroelectric energy production, and the extent to which hydroelectric production is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Invasive Species Control

Definition: *Indicates the dam is used to control invasive species and the extent to which invasive species control is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Irrigation

Definition: *Indicates the dam is used for irrigation purposes, and the extent to which irrigation is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Navigation

Definition: *Indicates the dam is used for navigation, and the extent to which navigation is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Other

Definition: *Indicates the dam is used for “other” purposes, and the extent to which it is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Pollution Control

Definition: *Indicates the dam is used for pollution control purposes, and the extent to which pollution control is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Recreation

Definition: *Indicates the dam is used for recreation purposes, and the extent to which recreation is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Use Water Supply

Definition: *Indicates the dam is used for water supply purposes, and the extent to which water supply is a planned use.*

Values:

Name	Description
Main	<i>The primary/most important purpose of the dam.</i>
Major	<i>A primary/important use of the dam but not the main use.</i>
Secondary	<i>A secondary use of the dam.</i>

Waterbody Name (English)

Definition: *Name of waterbody in which the feature is recorded (English).*

Waterbody Name (French)

Definition: *Name of waterbody in which the feature is recorded (French).*

Watershed Group Name

Definition: *The name of the sub-sub watershed that the feature is located in.*

Fishway-specific Attributes

Architect

Definition: *Company/organization that designed the fishway structure.*

Attraction Estimate (%)

Definition: *Portion of individuals attracted to the fishway in percent.*

Average Velocity of Water Flow (m/s)

Definition: *Average velocity of water flow through the fishway in m/s.*

Constructed By

Definition: *Name of the company that constructed the fishway.*

Contracted By

Definition: *Name of the agency that contracted the fishway.*

Dam Identifier

Definition: *The unique barrier identifier corresponding to the dam that the fishway structure is associated with.*

Designed Based on Biology

Definition: *Indicates whether the fishway was designed based on the biology of the species.*

Elevation (m)

Definition: *Change in height between fishway exit and entrance in meters.*

Engineering Notes

Definition: *Notes regarding design and construction of the fishway*

Entrance Location

Definition: *Indicates if the entrance of the fishway is located mid-stream or on the bank.*

Values: *Midstream, Bank*

Entrance Position

Definition: *Indicates the entrance position of the fishway in the water column.*

Values: *Bottom, Surface, Bottom and Surface, Mid-column*

Fishway Type

Definition: *The type of fishway structure (values are consistent with '[Upstream Passage Type](#)' values for dams).*

Values:

Name	Description
Denil	<i>A series of close-spaced baffles placed on the bottom and/or sides of an inclined (up to 20%) channel, to redirect the flow of water and reduce its velocity, allowing fish to ascend and migrate upstream.</i>
Nature-like fishway	<i>A diversion channel excavated along the bank of the river, allowing fish to bypass the barrier structure.</i>
Pool and weir	<i>A series of small overflow pools and weirs forming steps that fish can jump between, migrating upstream.</i>
Pool and weir with hole	<i>A series of small overflow pools and weirs provided with submerged holes in which fish can jump between, migrating upstream.</i>
Trap and truck	<i>Fish are trapped and transported upstream of the barrier where they are released.</i>
Vertical slot	<i>A variation of pool and weir fishways where weirs are replaced by walls with vertical slots in which fish can pass through, allowing fish to swim at their desired depth.</i>
Other	-
No structure	<i>No fish passage structure is present.</i>
Unknown	-

Gradient

Definition: *The fishway's angle of inclination in percent.*

Has Evaluating Studies

Definition: *Indicates whether an evaluation study has been performed at the fishway.*

Is Modified

Definition: *Indicates if the fishway has had any post-construction modifications.*

Maximum Velocity of Water Flow (m/s)

Definition: *Maximum velocity of water flow recorded in the fishway in m/s.*

Mean Channel Depth (m)

Definition: *Depth of fishway channel, in meters, during operation.*

Modification Purpose

Definition: *Purpose of post-construction modifications.*

Modification Year

Definition: *The year that post-construction modifications were completed.*

Monitoring Equipment

Definition: *Monitoring equipment used at the fishway.*

Nature of Evaluating Studies

Definition: *The type of evaluation study performed.*

Operation Period

Definition: *The dates the fishway is in operation.*

Plans Held By

Definition: *Name of the agency that possesses the plans for the fishway.*

Purpose of Fishway

Definition: *The reason the fishway was designed and implemented.*

Reference Identifier

Definition: *The unique id representing the referenced literature (peer-reviewed and “grey”) used for additional information about the fishway.*

River/Stream Name (English)

Definition: *Name of river/stream in which the feature is recorded (English).*

River/Stream Name (French)

Definition: *Name of river/stream in which the feature is recorded (French).*

Species Known to Not Use

Definition: *Species for which it is known that the fishway presents a significant barrier to migration.*

Species Known to Use

Definition: *Species that are known to use the fishway.*

System Identifier

Definition: *Unique identifier for each fishway point.*

Transit Success Estimate (%)

Definition: *Portion of individuals that successfully transit the fishway in percent.*

Year Constructed

Definition: *Year in which the fishway structure was built.*