

Alaska Aquatic Invasive Species Clearinghouse (AK Aqua) Data Dictionary

Updated August 2026

FIELD	REQUIRED?	FORMAT/UNITS	VALUE CONSTRAINTS	EXAMPLE	DESCRIPTION
Project Name		Text	Limited to 255 characters	Mat-Su Valley Pike Survey and Monitoring	Brief, descriptive title of the project
Examiner	Yes	Last name followed by first initial, multiple names are separated with a semicolon		Sumstad, G; Ohlinger, T	Name of person or people who observed/ took the data record
Data Source	Yes		Restricted to values in the dropdown menu	ADFG	Acronym indicating the primary organization that is responsible for the data/ questions about the data. If the affiliation is not listed in the drop down menu, indicate "Other," and describe in the Project Discussion field.
Data Source Description			Auto-populates based on Data Source selected	Alaska Department of Fish and Game	Full name of organization/agency
Site Name	Yes	Text		Nancy Lake	Unique name assigned to each site
Secondary Site Name		General		1	Unique identifier for if there are multiple transects or traps etc. at a site
Collection Date	Yes	mm/dd/yyyy		05/10/23	Date of field data collection
Revisit?			Restricted to values in the dropdown menu	No	Indication as to whether the visit represents a first or subsequent visit. If a revisit is indicated population of the Original Site Code field is required.
Survey Type	Yes		Restricted to values in the dropdown menu	Single Species	Type of study conducted where: 'Exhaustive' indicates that all species of concern were documented; 'Highest priority species' indicates that a suite of targeted non-native species were documented; and 'Single Species' indicates that a single target species was documented. Note the targeted taxa in the 'Project Discussions' field.
Latitude	Yes	Decimal degrees	Limited to nine decimal places	64.12345679	Longitude of the site approximating the center of the infestation and referencing the North American Datum of 1983 (NAD83) if possible
Longitude	Yes	Decimal degrees	Limited to nine decimal places	-149.1234568	Longitude of the site approximating the center of the infestation and referencing the North American Datum of 1983 (NAD83) if possible
Datum	Yes		Restricted to values in the dropdown menu	NAD83	Coordinate system coordinated with the GPS coordinates of the collection site
Georeferenced protocol	Yes		Restricted to values in the dropdown menu	GPS	Description of how the geographic coordinates were acquired or estimated. If 'Other', describe the collection method in the Project Discussion field. Use 'Historical Data' for coordinates estimated from a written description of the location.
Accuracy	Yes	Numeric range in meters	Restricted to values in the dropdown menu	0-20	Estimated range of accuracy (meters) of the geographic coordinates. Use "Historical Data" for coordinates estimated from a written description of the location.
Country	Yes		Restricted to values in the dropdown menu	US	Country code in which sample was collected
State	Yes		Restricted to values in the dropdown menu	AK	State abbreviation in which sample was collected
Location		Text	Limited to 255 characters	Homer	Description of the site to facilitate relocation
Scientific Name	Yes		Restricted to values in the dropdown menu	<i>Esox lucius</i>	Scientific name of the taxon. If 'Other' is selected, specify scientific name in Project Discussion field.
Common Name			Field auto populates based on Scientific name	northern pike	Common name of the taxon

Species Code			Field auto populates based on Scientific name	162139	Numeric code corresponding to the scientific name of the species observed. Species codes can be looked up on ITIS (Integrated Taxonomic Information System) . For absence records: indicate species code AND '0' in Presence column. If your taxon is not listed choose 'Other'; specify taxon or taxa in the Project Discussions field.
Family			Field auto populates based on Scientific name	<i>Esocidae</i>	Family of the taxon
Kingdom			Field auto populates based on Scientific name	<i>Animalia</i>	Kingdom of the taxon
Occurance Status	Yes		Only 'Detected' or 'Undetected' is allowed. Restricted to dropdown menu	Detected	Presence/ Absence - 'Detected' indicates presence of the species, 'Undetected' indicates absence of the species
Organism quantity		Numeric		20	Number of organisms comprising the population - abundance
Organism Units		General		#/m^2	Units of abundance
Collection Method		Text	Limited to 255 characters	Gillnet	Method/ gear used to obtain sample
Basis of Record	Yes		Restricted to values in the dropdown menu	Living Specimen	Documentation of how the occurrence was determined
Life Stage			Restricted to values in the dropdown menu	Adult-live	Life stage of the organism, and if the organism was found alive or dead
Management Status	Yes		Restricted to values in the dropdown menu	Previously Treated	The control action, if any, used at the site. If Multiple Actions, specify what methods were used in the Project Discussions field.
Infested Area		Numeric	Limited to 3 decimal places	10 m^2	Estimate of the area the non-native population occupies in square meters. Enter '0' for absence records
Notes		Text	Limited to 255 characters	Ongoing early detection of invasive pike	General notes on the target or associated species
Project Descriptions		Text	Limited to 255 characters	e.g. A survey for northern pike in Nancy Lake	Brief description of the project
Project Methods		Text	Limited to 500 characters	e.g. gillnets were soaked for x hours	Brief description of the project methods
Project Discussions		Text	Limited to 255 characters	For the purposes of this project, high priority species are: X,Y, and Z.	For highest-priority and single-species surveys, indicate the species targeted here. Elsewhere in this data form, where fields were filled in with 'Other,' describe here. This field is also used to record changes made during quality control procedures.