

AKOATS Data Attributes

Attribute		Description	Type: Text-T, Number-N	Domain (pick list)
W H O	ID	Unique identifier assigned by this project	T	no
	Agency_ID	Existing identifier from data source agency/organization, unique identification distinguishing each monitoring site	T	no
	SourceName	Data Source agency or organization using ADIwg list of organizations with some additions (Cook Inletkeeper, etc.)	T	yes
	Contact_person	Name of key contact person for data source agency	T	no
	Contact_email	Email for key contact person at data source agency	T	no
	Contact_telephone	Telephone number for key contact person at data source agency	T	no
W H E R E	Latitude	Latitude of monitoring station , decimal degrees	N	no
	Longitude	Longitude of monitoring station , decimal degrees	N	no
	Coordinate_Datum	to which Horizontal Datum are the coordinates referenced (NAD83, WGS84)	T	yes
	Location_Method	GPS, interpolated from a map,	T	yes
	Sensor_Placement	Main channel, side channel, slough, streambed (hyporheic zone),	T	yes
	Location_Description	text to describe relative sensor location, details regarding sensor 's position (e.g. "on downstream side of large boulder", "on gaging standpipe", or "cabled to tree with placard")	T	no
W H A T	Waterbody_name	Name of stream, river, or lake being monitored; use the Geographic Names Information System (GNIS), from USGS	T	no
	Waterbody_type	Waterbody type being monitored: stream or river; pond or lake (S, L)	T	yes
	Temp_unit	Fahrenheit or Celsius	T	yes
	Other_Parameters	Any other parameters monitored at this site? (water chemistry, physical water quality, flow, depth, fish counts, etc). (1= YES, 0=NO)	N	yes
	Other_Air	Other Parameters monitored at or near the sensor site: Air Temperature (1= YES, 0=NO)	N	yes
	Other_Bio	Other Parameters monitored at or near the sensor site: Biological data: fish, aquatic ecology, plants (1= YES, 0=NO)	N	yes
	Other_Flow	Other Parameters monitored at or near the sensor site: Flow and or gage height or lake level (1= YES, 0=NO)	N	yes
	Other_WQC	Other Parameters monitored at or near the sensor site: Water Quality - Chemical parameters (1= YES, 0=NO)	N	yes
	Other_WQP	Other Parameters monitored at or near the sensor site: Water Quality Physical parameters: pH, conductivity, dissolved oxygen (1= YES, 0=NO)	N	yes
	Other_text	Other Parameters monitored at or near the sensor site: other data	T	no

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Attribute		Description	Type: Text-T, Number-N	Domain (pick list)
W H E N	Initial_date	initial year of data collection	N	yes (range)
	End_date	final year of data collection	N	yes (range)
	Active	1=yes, 0=no	N	yes
	Status	Sensor operational status using ADIwg domain list	T	yes
	Sample_frequency	Time (minutes) between temperature recordings, units are in minutes	N	yes
	Sample_interval	Continuous (automated) or discrete monitoring	T	yes
	Sample_season	Is stream temperature monitored year round or during open water season	T	yes
H O W	Sensor_accuracy	Sensor type grouped by accuracy ;eve; (+/- 0.25 deg C Hobo Pro v2, Tidbit, etc.) or (+/- 0.5 deg C)	T	yes
	Sensor_QAQC	tiered levels of QA/QC: 1) no QA/QC, 2) have a documented SOP, 3) instrument tested pre and post deployment, 4) instrument tested onsite: in stream or in lake, 5) cross sectional stream testing	N	yes
	Sensor_access	road, boat, helicopter, plane	T	yes
	Duplicate_Sensor	Is there a redundant sensor at the site? in case of sensor loss/failure?	T	yes
	Install_type	Rock epoxy, cable and rebar, gage attachment, buoy	T	yes
	Notes	additional information to describe site, conditions, part c	T	no
	Link	hyperlink to data source agency website with additional site or project information	T	no
<p>NOTES: currently 36 attributes, approximately one half are unique to the sensor and its site, remaining half can be populated in bulk batches (contact information, etc) Attributes use coded domains for easy filtering and consistent data entry. ADIwg standards were used where feasible.</p>				