Data Set Citation

When using this data, please cite the data package

General Information

Title:	**In-situ stream temperature monitoring, Southwest Alaska, 2013-2017.**
Identifier:	autogen.2018092610483229236.1
Abstract:	This dataset includes data on stream temperature collected in 15-minute intervals over multiple years for multiple sites across Southwest Alaska. Some stream temperature monitoring sites are ongoing. Sampling occurred either between 2013 and 2017 or between 2015 and 2017, depending on the location. The data is part of a larger project to collect a comprehensive statewide inventory of current and historic continuous monitoring locations for stream and lake temperatures. The data was provided by the UAA Alaska Center for Conservation Science for archival as part of an effort between the State of Alaska's Salmon and People Project (SASAP, https://alaskasalmonandpeople.org/) and the Alaska Center for Conservation Science's Alaska Online Aquatic Temperature Site (AKOATS, http://accs.uaa.alaska.edu/aquatic-ecology/akoats/) to make stream temperature data more readily available for researche
Keywords:	- stream - temperature - Alaska
Publication Date:	2018

Data Table, Image, and Other Data Details:

Metadata download	Ecological Metadata Language (EML) File

Data Table:

Name:	**SiteLevelMetadata_Bogan.csv**
Description:	AKOATS site-level metadata

Physical Structure Description:

Object Name:	SiteLevelMetadata_Bogan.csv	
Size:	4974 bytes	
Authentication:	8f4cbeda857c1ab28824c1e56ce434771bc38a13 Caculated By SHA1	
Externally Defined Format:	Format Name:	text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:591aeb28-0eb2-4c62-8845-526d55db5d30

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID	AKOATS ID	Unique identifier assigned by UAA Alaska Center for Conservation Science		nominal	**Def** Unique identifier assigned by UAA Alaska Center for Conservation Science					

SiteID	Site ID	Identifier from data source agency/organization - unique identification distinguishing each monitoring site		nominal	**Def** Identifier from data source agency/organization - unique identification distinguishing each monitoring site					
SourceName	Source name	Data Source agency or organization managing monitoring site		nominal	**Def** Data Source agency or organization managing monitoring site					
Contact_person	Contact person	Name of key contact person for data source agency		nominal	**Def** Name of key contact person for data source agency					
Contact_email	Contact email	Email for key contact person at data source agency		nominal	**Def** Email for key contact person at data source agency					
Contact_telephone	Contact telephone	Telephone number for key contact person at data source agency		nominal	**Def** Telephone number for key contact person at data source agency					
Latitude	Latitude	Latitude of monitoring station , decimal degrees		interval	**Unit** degree **Type** real					
Longitude	Longitude	Longitude of monitoring station , decimal degrees		interval	**Unit** degree **Type** real					
Coordinate_Datum	Coordinate Datum	to which Horizontal Datum are the coordinates referenced (NAD83, WGS84)		nominal	**Def** to which Horizontal Datum are the coordinates referenced (NAD83, WGS84)					
Location_Method	Location Method	GPS, google earth, interpolated from a map		nominal	**Def** GPS, google earth, interpolated from a map,					
Sensor_Placement	Sensor Placement	Main channel, side channel, slough, streambed (hyporheic zone)		nominal	**Def** Main channel, side channel, slough, streambed (hyporheic zone),					
Location_Description	Location Description	text to describe relative sensor location, details regarding sensors position (e.g. "on downstream side of large boulder","on gaging standpipe", or "cabled to tree with placard")		nominal	**Def** text to describe relative sensor location, details regarding sensors position (e.g. "on downstream side of large boulder","on gaging standpipe", or "cabled to tree with placard")					
Waterbody_name	Waterbody name	Name of stream, river, or lake being monitored; use the Geographic Names Information System (GNIS), from USGS		nominal	**Def** Name of stream, river, or lake being monitored; use the Geographic Names Information System (GNIS), from USGS					
Waterbody_type	Waterbody type	Waterbody type being monitored: stream or river;		nominal	**Def** Waterbody type being monitored: stream or river; pond or lake (S, L)					

		pond or lake (S, L)								
Temp_unit	Temp unit	Fahrenheit or Celsius	nominal	Def Fahrenheit or Celsius						
Other_Parameters	Other Parameters	Any other parameters monitored at this site? (water chemistry, physical water quality, flow, depth, fish counts, etc). (1= YES, 0=NO)	nominal	Def Any other parameters monitored at this site? (water chemistry, physical water quality, flow, depth, fish counts, etc). (1= YES, 0=NO)						
Other_Air	Other Air	Other Parameters monitored at or near the sensor site: Air Temperature (1= YES, 0=NO)	nominal	Def Other Parameters monitored at or near the sensor site: Air Temperature (1= YES, 0=NO)						
Other_Bio	Other Bio	Other Parameters monitored at or near the sensor site: Biological data: fish, aquatic ecology, plants (1= YES, 0=NO)	nominal	Def Other Parameters monitored at or near the sensor site: Biological data: fish, aquatic ecology, plants (1= YES, 0=NO)						
Other_Flow	Other Flow	Other Parameters monitored at or near the sensor site: Flow and or gage height or lake level (1= YES, 0=NO)	nominal	Def Other Parameters monitored at or near the sensor site: Flow and or gage height or lake level (1= YES, 0=NO)						
Other_WQC	Other WQC	Other Parameters monitored at or near the sensor site: Water Quality - Chemical parameters (1= YES, 0=NO)	nominal	Def Other Parameters monitored at or near the sensor site: Water Quality - Chemical parameters (1= YES, 0=NO)						
Other_WQP	Other WQP	Other Parameters monitored at or near the sensor site: Water Quality Physical parameters: pH, conductivity, dissolved oxygen (1= YES, 0=NO)	nominal	Def Other Parameters monitored at or near the sensor site: Water Quality Physical parameters: pH, conductivity, dissolved oxygen (1= YES, 0=NO)						
Other_text	Other text	Other Parameters monitored at or near the sensor site: other data	nominal	Def Other Parameters monitored at or near the sensor site: other data						
start_date	start date	starting year of data collection	dateTime							
End_date	End date	final year of data collection	dateTime							
Active	Active	1=yes, 0=no	nominal	Def 1=yes, 0=no						
Status	Status	Sensor operational status: cancelled,	nominal	Def Sensor operational status: cancelled, completed, on-going, underdevelopment,						

		completed, on-going, underdevelopment,							
Sample_frequency	Sample frequency	Time (minutes) between temperature recordings, units are in minutes	nominal	**Def** Time (minutes) between temperature recordings, units are in minutes					
Sample_interval	Sample interval	Continuous (automated every xx minutes) or discrete (one-time recordings)	nominal	**Def** Continuous (automated every xx minutes) or discrete (one-time recordings)					
Sample_season	Sample season	Is stream temperature monitored "year round" or during "open water" season	nominal	**Def** Is stream temperature monitored "year round" or during "open water" season					
Sensor_accuracy	Sensor accuracy	Sensor type grouped by accuracy; (+/- 0.2 deg C Hobo Pro v2, Tidbit, etc.) or (+/- 0.5 deg C) or unknown	nominal	**Def** Sensor type grouped by accuracy; (+/- 0.2 deg C Hobo Pro v2, Tidbit, etc.) or (+/- 0.5 deg C) or unknown					
Sensor_QAQC	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	nominal	**Def** 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					
Sensor_access	Sensor access	road, boat, helicopter, plane	nominal	**Def** road, boat, helicopter, plane					
Duplicate_Sensor	Duplicate Sensor	Is there a redundant sensor at the site? in case of sensor loss/failure?	nominal	**Def** Is there a redundant sensor at the site? in case of sensor loss/failure?					
Install_type	Install type	Rock epoxy, cable and rebar, gage attachment, buoy	nominal	**Def** Rock epoxy, cable and rebar, gage attachment, buoy					
NOTES	Notes	additional information to describe site, conditions, part of a larger project	nominal	**Def** additional information to describe site, conditions, part of a larger project					
Link	Link	hyperlink to data source agency website with additional site or project information	nominal	**Def** hyperlink to data source agency website with additional site or project information	**Code** NA **Expl** No information provided				
years	Years	The number of years of data collected	ratio	**Unit** dimensionless **Type** whole					

| Agency | Agency | The Agency conducting the sampling | | nominal | Def | The Agency conducting the sampling | | | | | |

Data Table:

| Name: | **LittleMulchatnaRiver_1660_2015_2017.csv** |
| Description: | Stream temperature data for Little Mulchatna River (AKOATS ID = 1660) |

Physical Structure Description:

Object Name:	LittleMulchatnaRiver_1660_2015_2017.csv
Size:	4789921 bytes
Authentication:	47fe9ab9718e85c3e2523874c8df44bcb7d8f125 Caculated By SHA1
Externally Defined Format:	Format Name:	text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:57747376-c832-40a9-8457-e28bfe23dba9

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	Def Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	Unit celsius Type natural	Code NA Expl data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	**Domain Info**					
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	**Domain Info**					

Data Table:

| Name: | **TributaryKoksetnaRiver_1661_2015_2017.csv** |
| Description: | Stream temperature data for tributary of Koksetna River (AKOATS ID = 1661) |

Physical Structure Description:

Object Name:	TributaryKoksetnaRiver_1661_2015_2017.csv
Size:	6101432 bytes
Authentication:	ca807d657a844d84448243a678aab58f0ca8c1bb Caculated By SHA1
Externally Defined Format:	

Format Name:			text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:e22f59a7-d9de-4101-bd63-f1d01b22d129

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	**Domain Info**					
Location_Description		Location of the sensor		nominal	**Def** Location of the sensor	**Code** NA **Expl** data not provided				
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	**Domain Info**					

Data Table:

Name:	**KaskanakCreek_1662_2015_2017.csv**
Description:	Stream temperature data for Kaskanak Creek (AKOATS ID = 1662)

Physical Structure Description:

Object Name:	KaskanakCreek_1662_2015_2017.csv
Size:	4872324 bytes
Authentication:	9dc1d02f0de8b4ff671f58e4b7823be0cd7048c7 Caculated By SHA1
Externally Defined Format:	Format Name: text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:dddad262-7190-429f-b8c7-1b304d4c03cf

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho

		AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal		**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
		sampleDate		Date sample was taken		dateTime							
		sampleTime		Time sample was taken		dateTime							
		Temperature		Stream temperature, measured in degrees C		interval		**Unit** celsius **Type** natural		**Code** NA **Expl** data not provided			
		Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal		**Domain Info**					
		UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal		**Domain Info**					

Data Table:

Name:	**ChilchitnaRiver_1663_2015_2017.csv**
Description:	Stream temperature data for Chilchitna River (AKOATS ID = 1663)

Physical Structure Description:

Object Name:	ChilchitnaRiver_1663_2015_2017.csv
Size:	5928098 bytes
Authentication:	2998789e60a7c583f2e42dc78ef8cbd755ff9098 Caculated By SHA1
Externally Defined Format:	Format Name: text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:93762bf2-fe36-41a1-b752-0faed580c5b0

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Location_Description		Location of the sensor		nominal	**Def** Location of the sensor	**Code** NA **Expl** data not				

				provided	
UseData	'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius	nominal	Domain Info		

Data Table:

Name:	**BonanzaCreek_1664_2015_2017.csv**
Description:	Stream temperature data for Bonanza Creek (AKOATS ID = 1664)

Physical Structure Description:

Object Name:	BonanzaCreek_1664_2015_2017.csv
Size:	3630122 bytes
Authentication:	ecdd412d6b5bc3b8049b501d613cb3ffaecd096e Caculated By SHA1
Externally Defined Format:	Format Name:	text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:c3acf655-f169-4894-9b55-9f3f322572d4

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	Domain Info					
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	Domain Info					

Data Table:

Name:	**TributaryNewhalenRiver_764_2013_2017.csv**
Description:	Stream temperature data for tributary of Newhalen River (AKOATS ID = 764)

Physical Structure Description:

Object Name:	TributaryNewhalenRiver_764_2013_2017.csv
Size:	8140350 bytes

Authentication:		960212c6cfde773820e7efbb523edebe539043ef Caculated By SHA1							
Externally Defined Format:		Format Name:					text/csv		

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:b19ac4bb-9462-424e-adbe-ed44ea0460be

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	**Domain Info**					
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	**Domain Info**					

Data Table:

Name:	**TributaryKoktuliRiver_763_2013_2017.csv**
Description:	Stream temperature data for tributary of Koktuli River (AKOATS ID = 763)

Physical Structure Description:

Object Name:	TributaryKoktuliRiver_763_2013_2017.csv		
Size:	6999466 bytes		
Authentication:	a59f8a214b9ab6a35ed265aec57dd25aebe7bab4 Caculated By SHA1		
Externally Defined Format:	Format Name:		text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:f6d7822c-734e-4cc6-83cc-40fb9ae47622

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream					

		stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID			temperature metadata inventory. Each sampling location has a unique AKOATS_ID			
sampleDate		Date sample was taken	dateTime					
sampleTime		Time sample was taken	dateTime					
Temperature		Stream temperature, measured in degrees C	interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided			
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor	nominal	**Domain Info**				
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius	nominal	**Domain Info**				

Data Table:

Name:	**KoktuliRiver_760_2013_2017.csv**
Description:	Stream temperature data for Koktuli River (AKOATS ID = 760)

Physical Structure Description:

Object Name:	KoktuliRiver_760_2013_2017.csv
Size:	5853422 bytes
Authentication:	9b003b7e06097c639c0afd41d1ee354e265f22e6 Caculated By SHA1
Externally Defined Format:	Format Name: text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:6f11bfaf-95c5-42c9-98c8-bd2d581f1fb1

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	**Domain Info**					
UseData		'0' = do not use data, '1' = use data. '0' is a flag for		nominal	**Domain Info**					

| | | temperatures < 1 degree Celsius or > 30 degrees Celsius | | | | | | | | |

Data Table:

Name:	**TributaryKoktuliRiver_762_2013_2017.csv**
Description:	Stream temperature data for tributary of Koktuli River (AKOATS ID = 762)

Physical Structure Description:

Object Name:	TributaryKoktuliRiver_762_2013_2017.csv
Size:	8125012 bytes
Authentication:	ebb58ff9f09100744df122b280a6a7b7c4037cd7 Caculated By SHA1
Externally Defined Format:	Format Name: text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:e5015b84-0ace-4085-94b3-16ddcf48eb73

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Location_Description		Location of the sensor		nominal	**Def** Location of the sensor	**Code** NA **Expl** data not provided				
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	**Domain Info**					

Data Table:

Name:	**TributaryKoktuliRiver_761_2013_2017.csv**
Description:	Stream temperature data for tributary of Koktuli River (AKOATS ID = 761)

Physical Structure Description:

Object Name:	TributaryKoktuliRiver_761_2013_2017.csv
Size:	5823968 bytes

			Authentication:			74a56ac17757fedf5efb8bf0c8e54984970cf2ac Caculated By SHA1				

Externally Defined Format:	Format Name:	text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:5bb411af-8677-4ff0-bbe8-819becdd9b5c

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	**Domain Info**					
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	**Domain Info**					

Data Table:

Name:	**SouthForkKoktuliRiver_1665_2015_2017.csv**
Description:	Stream temperature data for South Fork Koktuli River (AKOATS ID = 1665)

Physical Structure Description:

Object Name:	SouthForkKoktuliRiver_1665_2015_2017.csv
Size:	5880247 bytes
Authentication:	91bc64673eba34ec60cadc48004f5d91898d0a0b Caculated By SHA1

Externally Defined Format:	Format Name:	text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:49ca2bd3-7b93-4d8f-b8c3-d68cdb6f8c72

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a					

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain		Missing Value Code		Accuracy Report	Accuracy Assessment	Coverage	Metho
		stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID				statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID						
sampleDate		Date sample was taken		dateTime								
sampleTime		Time sample was taken		dateTime								
Temperature		Stream temperature, measured in degrees C		interval	Unit celsius	Type natural	Code NA	Expl data not provided				
Location_Description		Location of the sensor		nominal	Def Location of the sensor		Code NA	Expl data not provided				
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	Domain Info							

Data Table:

Name:	**StuyahokRiver_1666_2015_2017.csv**
Description:	Stream temperature data for Stuyahok River (AKOATS ID = 1666)

Physical Structure Description:

Object Name:	StuyahokRiver_1666_2015_2017.csv
Size:	4576823 bytes
Authentication:	a7e8f3f5a764cc4b136d10a57ca59ebf4fc07485 Caculated By SHA1
Externally Defined Format:	Format Name: text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:da7a2a8e-5f31-4df2-8d17-deca1f7caba1

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain		Missing Value Code		Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	Def Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID							
sampleDate		Date sample was taken		dateTime								
sampleTime		Time sample was taken		dateTime								
Temperature		Stream temperature, measured in degrees C		interval	Unit celsius	Type natural	Code NA	Expl data not provided				
Location_Description		Location of the sensor		nominal	Def Location of the sensor		Code NA	Expl data not				

				provided			
UseData	'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius	nominal	**Domain Info**				

Data Table:

Name:	**TaziminaRiver_1667_2015_2017.csv**
Description:	Stream temperature data for Tazimina River (AKOATS ID = 1667)

Physical Structure Description:

Object Name:	TaziminaRiver_1667_2015_2017.csv	
Size:	4730908 bytes	
Authentication:	a1c4afd9982b5b659ef08dac8760fdc764429802 Caculated By SHA1	
Externally Defined Format:	Format Name:	text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:4d50bb7d-c4c1-486e-83f3-6734a190f9e3

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	Def Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	Unit celsius Type natural	Code NA Expl data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	**Domain Info**					
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	**Domain Info**					

Data Table:

Name:	**VictoriaCreek_1668_2015_2017.csv**
Description:	Stream temperature data for Victoria Creek (AKOATS ID = 1668)

Physical Structure Description:

Object Name:	VictoriaCreek_1668_2015_2017.csv
Size:	4770714 bytes

		Authentication:	05850a116bd99978f80b29e8dee9f02ff008e263 Caculated By SHA1		

Externally Defined Format:		Format Name:		text/csv

Online Distribution Info:

https://cn.dataone.org/cn/v2/resolve/urn:uuid:7489ab98-a53d-4bc7-97ff-d2c9721df381

Attribute(s) Info:

Name	Column Label	Definition	Type of Value	Measurement Type	Measurement Domain	Missing Value Code	Accuracy Report	Accuracy Assessment	Coverage	Metho
AKOATS_ID		Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID		nominal	**Def** Alaska Online Aquatic Temperature Site (AKOATS) is a statewide stream temperature metadata inventory. Each sampling location has a unique AKOATS_ID					
sampleDate		Date sample was taken		dateTime						
sampleTime		Time sample was taken		dateTime						
Temperature		Stream temperature, measured in degrees C		interval	**Unit** celsius **Type** natural	**Code** NA **Expl** data not provided				
Duplicate_Sensor		'0' = main sensor, '1' = backup sensor		nominal	**Domain Info**					
UseData		'0' = do not use data, '1' = use data. '0' is a flag for temperatures < 1 degree Celsius or > 30 degrees Celsius		nominal	**Domain Info**					

Involved Parties

Data Set Creators

Organization:	**Alaska Center for Conservation Science, University of Alaska Anchorage**
Email Address:	uaa.aknp@alaska.edu

Data Set Contacts

Individual:	**Dan Bogan**
Organization:	**Alaska Center for Conservation Science, University of Alaska Anchorage**
Position:	Aquatic Ecologist
Email Address:	dlbogan@alaska.edu

Data Set Characteristics

Geographic Region:	
Geographic Description:	Koktuli River, Southwest Alaska

Bounding Coordinates:

West:	-155.51123 degrees
East:	-155.51123 degrees
North:	59.79815 degrees
South:	59.79815 degrees

Geographic Region:

Geographic Description: Tributary above Koktuli River, Southwest Alaska

Bounding Coordinates:

West:	-155.61197 degrees
East:	-155.61197 degrees
North:	59.81045 degrees
South:	59.81045 degrees

Geographic Region:

Geographic Description: Tributary above Koktuli River, Southwest Alaska

Bounding Coordinates:

West:	-155.76492 degrees
East:	-155.76492 degrees
North:	59.817 degrees
South:	59.817 degrees

Geographic Region:

Geographic Description: Tributary above Koktuli River, Southwest Alaska

Bounding Coordinates:

West:	-155.3571 degrees
East:	-155.3571 degrees
North:	59.82543 degrees
South:	59.82543 degrees

Geographic Region:

Geographic Description: Tributary above Newhalen River, Southwest Alaska

Bounding Coordinates:

West:	-154.89095 degrees
East:	-154.89095 degrees
North:	59.90227 degrees
South:	59.90227 degrees

Geographic Region:

Geographic Description: Little Mulchatna River, Southwest Alaska

Bounding Coordinates:

West:	-154.38715 degrees
East:	-154.38715 degrees
North:	60.49564 degrees
South:	60.49564 degrees

Geographic Region:

Geographic Description: Tributary above Koksetna River, Southwest Alaska

Bounding Coordinates:

West:	-155.14171 degrees

East:	-155.14171 degrees
North:	60.26358 degrees
South:	60.26358 degrees

Geographic Region:

Geographic Description:	Kaskanak Creek, Southwest Alaska
Bounding Coordinates:	

West:	-155.74731 degrees
East:	-155.74731 degrees
North:	59.69252 degrees
South:	59.69252 degrees

Geographic Region:

Geographic Description:	Chilchitna River, Southwest Alaska
Bounding Coordinates:	

West:	-155.20805 degrees
East:	-155.20805 degrees
North:	60.44236 degrees
South:	60.44236 degrees

Geographic Region:

Geographic Description:	Bonanza Creek, Southwest Alaska
Bounding Coordinates:	

West:	-154.86514 degrees
East:	-154.86514 degrees
North:	60.69262 degrees
South:	60.69262 degrees

Geographic Region:

Geographic Description:	South Fork Koktuli River, Southwest Alaska
Bounding Coordinates:	

West:	-155.77438 degrees
East:	-155.77438 degrees
North:	59.82923 degrees
South:	59.82923 degrees

Geographic Region:

Geographic Description:	Stuyahok River, Southwest Alaska
Bounding Coordinates:	

West:	-156.30147 degrees
East:	-156.30147 degrees
North:	59.70342 degrees
South:	59.70342 degrees

Geographic Region:

Geographic Description:	Tazimina River, Southwest Alaska
Bounding Coordinates:	

West:	-154.81134 degrees
East:	-154.81134 degrees

| | North: | 59.93596 | degrees |
| | South: | 59.93596 | degrees |

Geographic Region:

Geographic Description:	Victoria Creek, Southwest Alaska		
Bounding Coordinates:	West:	-154.86369	degrees
	East:	-154.86369	degrees
	North:	60.6895	degrees
	South:	60.6895	degrees

Time Period:

| Begin: | 2013 |
| End: | 2017 |

Sampling, Processing and Quality Control Methods

Step by Step Procedures

Step 1:	
Description:	Stream temperature (°C) was sampled every 15 minutes at 14 sites throughout Southwest Alaska. Censors were located i the main channel of the waterbody, installed either by duckbill cable or cable and rebar.
Sampling Area And Frequency:	The sampling area includes 14 different streams throughout Southwest Alaska. The sampling interval was 15 minutes in order to accurately capture daily maximum, minimum, and mean temperatures. Year-round samples were collected. Sampling occurred from 2013 to 2017 for some sites and from 2015 to 2017 for other sites.
Sampling Description:	Based on regional, multi–agency discussions on temperature monitoring data collection standards there is a minimum accuracy standard of +/- 0.25°C and a temperature measurement range of -4°C to 37°C (year round).

Data Set Usage Rights