


# Review and Assessment Promotion in ATTAINS

February 26<sup>th</sup> at 2 pm CT

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Is the data  
available for the  
monitoring/  
assessment  
period?



National Water Quality Monitoring Council  
Working together for clean water

## Water Quality Data

WQP Home Download Data How to use the WQP National Results Coverage About the WQP

[Reset form](#)

### LOCATION

Place:

Country:  ?

State:  ?

County:  ?

Point Location: ? Bounding Box: ?

Within  miles of

Lat:  Long:

North:  South:

East:  West:

[Use my location](#)

### SITE PARAMETERS

Site Type:  ?

Organization ID:  ?

### SAMPLING PARAMETERS

Sample Media:  ?

Characteristic Group:  ?

Is data  
available for all  
the  
parameters  
listed in your  
assessments?

ASSESSMENT	PARAM_NAME	PARAM_U	PARAM_S	PARAM
	HOSPITAL TEMPERATURE	Aquatic Li	Meeting C	Meetin
	L_HOSTLE FECAL COLIFORM	Recreation	Meeting C	Meetin
	L_HOSTLE TEMPERATURE	Aquatic Li	Meeting C	Meetin
	TR_RI_M CYANOBACTERIA HEPATOTO	Recreation	Meeting C	Meetin
	KR_STRES PHOSPHORUS, TOTAL	Aquatic Li	Cause	Not me
	KR_STRES TEMPERATURE	Aquatic Li	Cause	Not me
	KR_STRES PH	Aquatic Li	Cause	Not me
	KR_STRES NITROGEN, TOTAL	Aquatic Li	Cause	Not me
	KR_STRES DISSOLVED OXYGEN	Aquatic Li	Meeting C	Meetin
	KR_STRES CYANOBACTERIA HEPATOTO	Recreation	Cause	Not me
	U_SUPPLY TEMPERATURE	Aquatic Li	Meeting C	Meetin
	TR_REDRO PH	Aquatic Li	Meeting C	Meetin
	TR_REDRO DISSOLVED OXYGEN	Aquatic Li	Meeting C	Meetin
	TR_REDRO TEMPERATURE	Aquatic Li	Cause	Not me
	TR_SB_HC TEMPERATURE	Aquatic Li	Meeting C	Meetin
	TR_BEAVE TEMPERATURE	Aquatic Li	Meeting C	Meetin
	TR_SB_CD TEMPERATURE	Aquatic Li	Cause	Not me
	TR_SB_CD PH	Aquatic Li	Meeting C	Meetin



# Review water quality data using assessment methodology criteria

Step 1: Search for Stations | Step 2: Retrieve Data Set and Analyze | About

---

**First: Retrieve a Data Set**

Choose Station:

**Additional Optional Search Criteria**

Medium:

Date Range (MM/DD/YYYY)

Start:

End:

Search by Parameters Sampled

---

**Next: Analyze based on the downloaded dataset**

Parameter to Analyze:

Upper Limit:

Lower Limit:

Unit of Measure:

CHARACTERISTIC NAME:	Temperature, water
START DATE:	6/1/2018
END DATE:	9/30/2018
UOM:	deg C
UPPER LIMIT:	23.50
LOWER LIMIT:	N/A
#EXCEED UPPER LIMIT:	0
#EXCEED LOWER LIMIT:	0
MAX:	16.868
MIN:	8.792
AVERAGE:	13.49626719
MEDIAN:	13.5965885
#DETECTIONS:	366
#NONDETECT:	0
SAMPLE MEDIUM:	
AT LEAST TWO YEARS OF DATA?:	FALSE
%Exceedences:	0.00

# Key Review Elements:

Does the parameter status match data?

Does use support line up with parameter status?

Are parameters associated with uses?

General

Uses

Parameters

Sources

Documents

Summary

Assessment Unit

Water Type

HOSPITAL\_HOBO (HOSPITAL\_HOBO)

STREAM (0 Miles)

Cycle Last Assessed

Year Last Monitored

2018

Organization IR Category

Not Specified

Comment

Precision checks were all within range

Location Description

Use Class

HOBO Location at Hospital Creek

Not Specified

State

Cycle

Agency

CA

2018

Tribal

EPA IR Category

1

Show Definition

Rationale

It is Fully supporting because Temperature is meeting threshold during the monitoring season

Designated Uses

Use Name	Use Support	Threatened	Agency	EPA IR Category	
Aquatic Life	Fully Supporting	No	Tribal	1	

Use Attainment - Aquatic Life

Trend

Assessed By

Monitoring Start

Org IR Category

Comment

Assessment Types

Assessment Methods

Not Specified

Not Specified

Not Specified

Not Specified

Not Specified

Assessment Basis

Assessed On

Monitoring End

Org Qualifier Flag

Not Specified

Parameters

Parameter Name	Parameter Status	EPA IR Category	Delisted	
TEMPERATURE	Meeting Criteria	2	No	

Meeting Criteria Parameter - TEMPERATURE

Associated Use

Parameter Attainment

Trend

Seasons

Aquatic Life

Meeting criteria

Parameter Information

Associated Actions



# Helpful Elements during Review

Did you add a rationale? This is especially helpful if you have seasonal or climate-dependent criteria.

General

Uses

Parameters

Sources

Documents

Summary

Assessment Unit

Water Type

HOSPITAL\_HOBO (HOSPITAL\_HOBO)

STREAM (0 Miles)

Location Description

Use Class

HOBO Location at Hospital Creek

Not Specified

Cycle Last Assessed

Year Last Monitored

2018

State

Cycle

Agency

CA

2018

Tribal

Organization IR Category

Not Specified

EPA IR Category

1

Show Definition

Comment

Precision checks were all within range

Rationale

It is Fully supporting because Temperature is meeting threshold during the monitoring season

Designated Uses

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Not Specified

Not Specified

Not Specified

Not Specified

Not Specified

Assessment Basis

Assessed On

Monitoring End

Org Qualifier Flag

Not Specified

Not Specified

Not Specified

Parameters

Parameter Name	Parameter Status	EPA IR Category	Delisted	
TEMPERATURE	Meeting Criteria	2	No	

Meeting Criteria Parameter - TEMPERATURE

Associated Use

Parameter Attainment

Trend

Seasons

Aquatic Life

Meeting criteria

Parameter Information

Associated Actions



## Red Flags!

If we see these, we will send comments and ask you to review your submissions!

- There is use supporting status, but no parameter assessment information to support that
- There is no data available to support a parameter assessment or the data seems to indicate a different outcome than reported in ATTAINS
- Uses and parameters are not properly paired up according to assessment methodology

Questions?





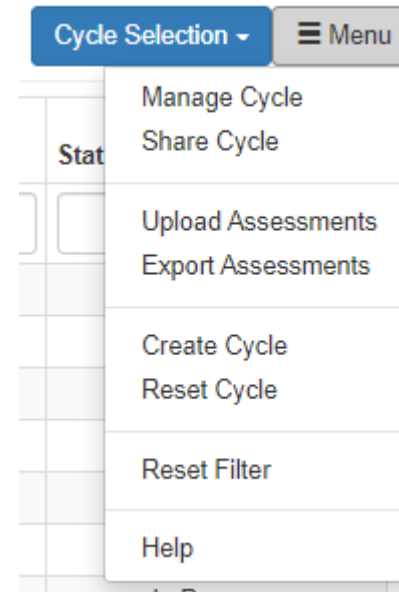
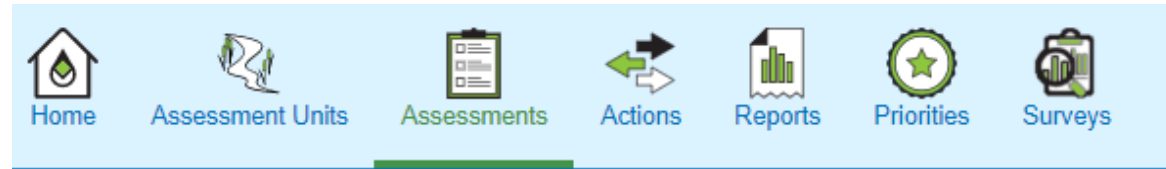


# We've Worked it Out!








Now what?

# Assessments Tab

- Menu
- Manage Cycle



Promote  
To Organization  
Final Action

 Home  Assessment Units  Assessments  Actions  Reports  Priorities  Surveys

## 2016 Cycle Management

Cycle History

**CYCLE INFORMATION:** This cycle has not yet been submitted to the EPA for review.


Current Status	Organization Draft
Next Status*	Select Next Status ▼
Snapshot Label	


Promote Cancel


# Choose the Next Status


Add a Snapshot Label  
(helpful to include date)


Click Promote


 Home


 Assessment Units

 Assessments

 Actions

 Reports

 Priorities

 Surveys

## 2016 Cycle Management

Cycle History

**CYCLE INFORMATION:** This cycle has not yet been submitted to the EPA for review.

Current Status	Organization Draft
Next Status*	<div>Select Next Status</div> <div>Select Next Status</div> <div>Organization Public Comment</div> <div>Organization Final - Internal Review</div> <div>Organization Final Action - Submittal</div>
Snapshot Label	

PromoteCancel

This is what you  
should see

2019	SNAPSHOT_2020_01_02	Organization Final Action - Submittal
2019	SNAPSHOT_2019_11_22	Organization Public Comment







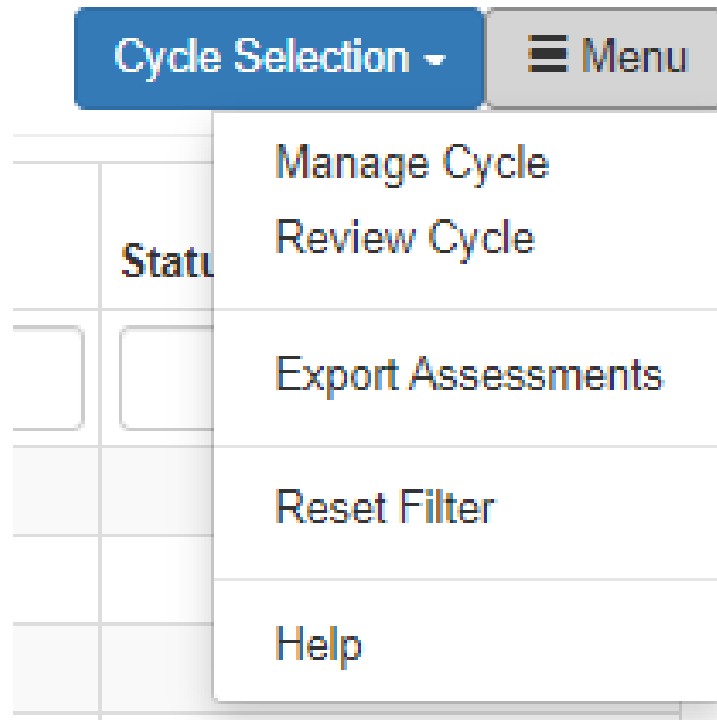
EPA View

Assessments 2019 (EPA Final Action)

Assessment Unit ID ▴	Assessment Unit Name ▾	Water Type ▾	EPA IR Category ▾	Organization IR Category ▾	Multi-IR Category ▾	Cycle Last Assessed ▾	Last Modified ▾	Cycle Last Modified ▾	Validation ▾	Status ▾
Bellcow Creek 001	Bellcow Creek 001	CREEK	5		5,2	2017	Nov 7, 2019 11:39:33 AM	2019	OK	No Change
Cimarron River	Cimarron River	RIVER							No Information	Never Assessed
Cottonwood Creek 001	Cottonwood Creek 001	CREEK							No Information	Never Assessed
Cottonwood Creek 002	Cottonwood Creek 002	CREEK							No Information	Never Assessed
Deep Fork River	Deep Fork River	RIVER	5		5,2	2017	Aug 29, 2018 9:25:40 AM	2017	OK	No Change
Deep Fork River 002	Deep Fork River 002	RIVER	5		5,2	2017	Aug 29, 2018 9:27:32 AM	2017	OK	No Change
Deep Fork River 003	Deep Fork River 003	RIVER	5		5,2	2017	Aug 29, 2018 9:28:30 AM	2017	OK	No Change
Deer Creek 001	Deer Creek 001	CREEK	5		5,2	2018	Nov 7, 2019 12:52:48 PM	2019	OK	No Change
Dry Creek 001	Dry Creek 001	CREEK	5		5,2	2017	Aug 29, 2018 9:29:41 AM	2017	OK	No Change
Euchee Creek	Euchee Creek	CREEK							No Information	Never Assessed
North Canadian 002	North Canadian 002	RIVER	5		5,2	2018	Dec 30, 2019 2:44:07 PM	2019	OK	No Change
North Canadian 003	North Canadian 003	RIVER	5		5,2	2018	Dec 30, 2019 2:46:19 PM	2019	OK	No Change
North Canadian River	North Canadian River	RIVER	5		5,2	2018	Dec 30, 2019 2:48:36 PM	2019	OK	No Change
Quapaw Creek 001	Quapaw Creek 001	CREEK	5		5,2	2017	Aug 29, 2018 9:30:50 AM	2017	OK	No Change
Robinson Creek 001	Robinson Creek 001	CREEK	5		5	2017	Aug 29, 2018 9:19:46 AM	2017	OK	No Change
Rock Creek 001	Rock Creek 001	CREEK	5		5,2	2018	Nov 7, 2019 1:39:03 PM	2019	OK	No Change
Sand Creek	Sand Creek	CREEK							No Information	Never Assessed
Shan Creek 001	Shan Creek 001	CREEK	5		5,2	2018	Nov 7, 2019 1:56:37 PM	2019	OK	No Change
Skull Creek	Skull Creek	CREEK							No Information	Never Assessed
Veteran's Lake	Veteran's Lake	LAKE	5		5,2	2017	Nov 7, 2019 2:14:07 PM	2019	OK	No Change
Wildhorse Creek	Wildhorse Creek	CREEK							No Information	Never Assessed


# Assessments Tab

- Menu
- Export Assessments



 assessments.csv

 parameters.csv

 uses.csv

# Assessments

ASSESSMENT_UNIT_ID	AGENCY_CODE	CYCLE_LAST_ASSESSED	YEAR_LAST_MONITORED	ASSESSMENT_COMMENT	ASSESSMENT_RATIONALE
Rock Creek 001	T	2018	2019	Assessment period from Oct 1, 2018 to Sept. 30, 2019. This site is a new site on in the North Canadian Watershed. T	
Deep Fork River	T	2017	2017	Monitoring period Oct. 1, 2015 to Sept. 30, 2017. This river runs directly through the central part of the Sac and Fox Nation's historical lands and is used in cultural, agricultural, and other used by the Nation.	Not meeting criteria for Agricultural and Livestock Watering on 12 of 30 samples for TDS. Not meeting criteria for Aquatic and Wildlife on 5 of 30 samples for pH. Nutrient Threatened(General) due to non-point source nutrients outside of EPA Eco-region estimates.
Bellcow Creek 001	T	2017	2017	Monitoring period Oct 1, 2015 to Sep 30, 2017 This site receives waste water from treatment plant in Chandler, OK that drains into the Deep Fork River watershed in Sac and Fox Nation's historical jurisdiction.	Not meeting Primary/Secondary Body Contact Use due to 6 of the 15 samples exceeding parameters of E.coli. Not meeting Livestock and Agricultural watering due to 11 of 15 samples exceeding parameters of TDS. Nutrient Threatened(General) due to non-point source nutrients outside of EPA Eco-region estimates.

# Parameters

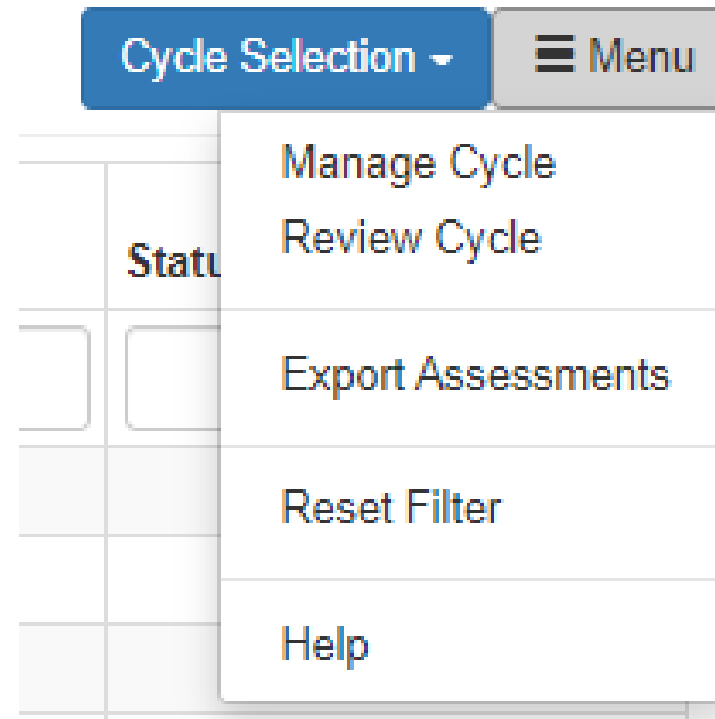
ASSESSMENT_UNIT_ID	PARAM_NAME	PARAM_USE_NAME
Rock Creek 001	TOTAL DISSOLVED SOLIDS (TDS)	Agricultural Water Supply
Rock Creek 001	TOTAL DISSOLVED SOLIDS (TDS)	Livestock Watering
Rock Creek 001	ESCHERICHIA COLI (E. COLI)	Secondary Human Contact
Rock Creek 001	ESCHERICHIA COLI (E. COLI)	Primary Human Contact
Rock Creek 001	SULFATE	Livestock Watering
Rock Creek 001	SULFATE	Agricultural Water Supply
Rock Creek 001	DISSOLVED OXYGEN	Aquatic and Wildlife
Rock Creek 001	PHOSPHORUS, TOTAL	General
Rock Creek 001	TURBIDITY	General
Rock Creek 001	TURBIDITY	Aquatic and Wildlife
Rock Creek 001	PH	Aquatic and Wildlife
Rock Creek 001	NITRATE/NITRITE (NITRITE + NITRATE AS N)	General
Rock Creek 001	TEMPERATURE	Aquatic and Wildlife
Rock Creek 001	CHLORIDE	Agricultural Water Supply
Rock Creek 001	CHLORIDE	Livestock Watering



# Uses

ASSESSMENT_UNIT_ID	USE_NAME	USE_ATTAINMENT_CODE	USE_AGENCY_CODE
Rock Creek 001	Primary Human Contact	F	T
Rock Creek 001	Agricultural Water Supply	F	T
Rock Creek 001	Aquatic and Wildlife	N	T
Rock Creek 001	Secondary Human Contact	F	T
Rock Creek 001	General	N	T
Rock Creek 001	Livestock Watering	F	T

# Assessments Tab Menu Review Cycle







# Cycle Review

2019 - EPA Final Action

Listed Waters Delistings All Waters

Download

Assessment Unit ID	Assessment Unit Name	Parameter Name	Parameter Status	Parameter IR Category	Review Decision	Review Comment
Bellcow Creek 001	Bellcow Creek 001	ESCHERICHIA COLI (E. COLI)	Cause	5	APPROVED	
Bellcow Creek 001	Bellcow Creek 001	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Cause	5	APPROVED	
Bellcow Creek 001	Bellcow Creek 001	PHOSPHORUS, TOTAL	Cause	5	APPROVED	
Bellcow Creek 001	Bellcow Creek 001	TOTAL DISSOLVED SOLIDS (TDS)	Cause	5	APPROVED	
Bellcow Creek 001	Bellcow Creek 001	TURBIDITY	Cause	5	APPROVED	
Deep Fork River	Deep Fork River	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Cause	5	APPROVED	
Deep Fork River	Deep Fork River	PH	Cause	5	APPROVED	
Deep Fork River	Deep Fork River	PHOSPHORUS, TOTAL	Cause	5	APPROVED	
Deep Fork River	Deep Fork River	TOTAL DISSOLVED SOLIDS (TDS)	Cause	5	APPROVED	
Deep Fork River	Deep Fork River	TURBIDITY	Cause	5	APPROVED	
Deep Fork River 002	Deep Fork River 002	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Cause	5	APPROVED	
Deep Fork River 002	Deep Fork River 002	PHOSPHORUS, TOTAL	Cause	5	APPROVED	
Deep Fork River 002	Deep Fork River 002	TEMPERATURE	Cause	5	APPROVED	
Deep Fork River 002	Deep Fork River 002	TOTAL DISSOLVED SOLIDS (TDS)	Cause	5	APPROVED	
Deep Fork River 002	Deep Fork River 002	TURBIDITY	Cause	5	APPROVED	
Deep Fork River 003	Deep Fork River 003	ESCHERICHIA COLI (E. COLI)	Cause	5	APPROVED	
Deep Fork River 003	Deep Fork River 003	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Cause	5	APPROVED	
Deep Fork River 003	Deep Fork River 003	PH	Cause	5	APPROVED	
Deep Fork River 003	Deep Fork River 003	PHOSPHORUS, TOTAL	Cause	5	APPROVED	
Deep Fork River 003	Deep Fork River 003	TEMPERATURE	Cause	5	APPROVED	
Deep Fork River 003	Deep Fork River 003	TOTAL DISSOLVED SOLIDS (TDS)	Cause	5	APPROVED	

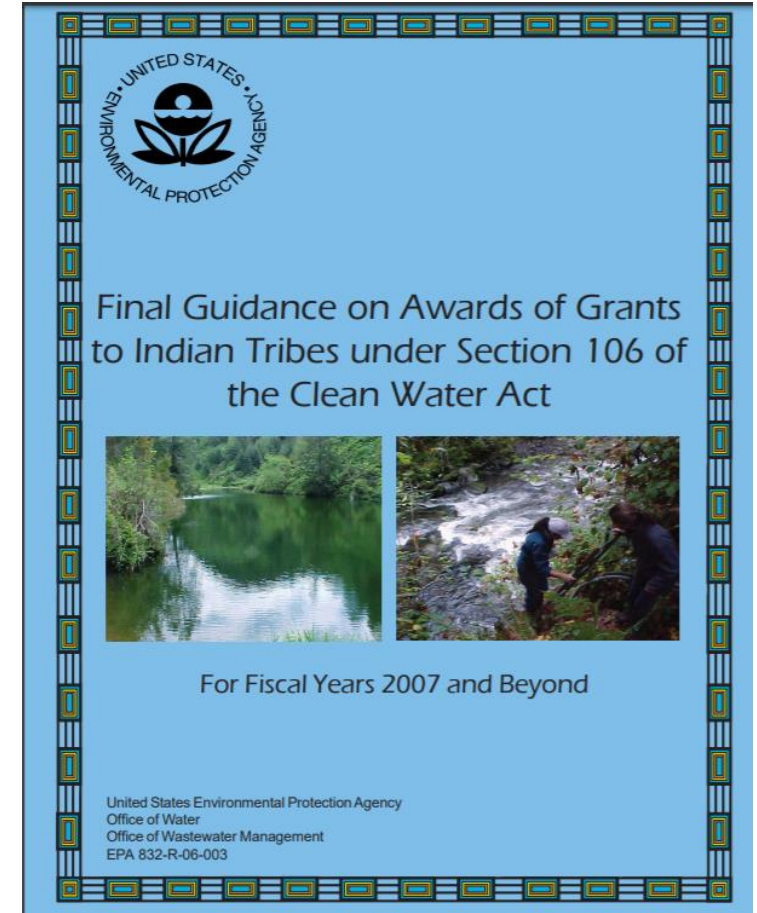
Cycle ⇅	Label ⇅	Status ⇅	Type	Cycle Years
2019	IN_PROGRESS_2019	EPA Final Action	In Progress	
2019	SNAPSHOT_2020_01_06	EPA Final Action	Snapshot	
2019	SNAPSHOT_2020_01_06	EPA - Document Decisions	Snapshot	
2019	SNAPSHOT_2020_01_02	Organization Final Action - Submittal	Snapshot	
2019	SNAPSHOT_2019_11_22	Organization Public Comment	Snapshot	

EPA Final Action

# CWA 106 Grant Expectations

## Three main reporting requirements\*

1. Monitoring strategy/QAPP
2. Water Quality Data
3. Assessment Report (Narrative and Graphical)
  - Types of waters sampled
  - Summary statistics of parameters sampled
  - Threshold against which comparison were made
  - Tribe's interpretation of the data
  - Assessment methodology used



<https://www.epa.gov/water-pollution-control-section-106-grants/final-guidance-awards-grants-indian-tribes-under-section>

\*For all CWA 106 grants- other deliverables vary by workplan



# CWA 106 Guidance Appendix

An atlas of tribal water resources

**Narrative** description of tribal water quality monitoring programs and assessment methods (ex. monitoring frequency etc.)

**Narrative** description of results

Brief **narrative** of issues of tribal concern

Monitoring data

## Summary of Reporting Requirements for the Section 106 Tribal Program

Item	Description
<b>1. Description of Your Monitoring Strategy</b>	A description of the needs, goals, and objectives you have identified, as well as a full description of the methodology and parameters sampled within your monitoring program.
<b>2. Water Quality Assessment</b>	A narrative account detailing the types of water sampled, sampling procedures, and resulting data summaries. The summary report must also include the tribe's interpretation of the data and the assessment methodology used.
<b>3. EPA's Nine Basic Parameters Submitted in an Electronic Format</b>	