

Impact of Climate Change on Water

This survey is designed to understand

to gather specific water contamination and potability concerns for you and your community.

Where are you from (Tribal Affiliation, Home Community)?

Objibwe

What role does water play in the cultural practices of your community?

Life

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other: Invasive

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Sacramento, CA

What role does water play in the cultural practices of your community?

Recreation, agriculture, landscaping

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

.....

What role does water play in the cultural practices of your community?

.....

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Pascua Yaqui

What role does water play in the cultural practices of your community?

Rain fed agriculture, blessings

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
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- Lack of Infrastructure
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Where are you from (Tribal Affiliation, Home Community)?

Bois Forte Band of Chippewa, living in Cincinnati Ohio

What role does water play in the cultural practices of your community?

Spirituality, Rice, Agriculture

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Objibwe

What role does water play in the cultural practices of your community?

Life

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
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- Lack of Infrastructure
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Where are you from (Tribal Affiliation, Home Community)?

Navajo Nation

What role does water play in the cultural practices of your community?

Livestock, medical, essential, growth, hygiene, play, cooking.

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Shoshone-Bannock

What role does water play in the cultural practices of your community?

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Cheyenne River Lakota

What role does water play in the cultural practices of your community?

Life, sustainability, Ag, culture

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Timbisha Shoshone Tribe Death Valley CA/NV

What role does water play in the cultural practices of your community?

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Alaska

What role does water play in the cultural practices of your community?

Food security, food sovereignty

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other: Storms

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Where are you from (Tribal Affiliation, Home Community)?

Oregon

What role does water play in the cultural practices of your community?

Recreation, spiritual for tribes

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other: Loss of habitat for wildlife

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Flathead Reservation

What role does water play in the cultural practices of your community?

Agriculture

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Chickasaw

What role does water play in the cultural practices of your community?

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other: Nitrogen from fertilizers used in urban areas

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Miccosukee Tribe

What role does water play in the cultural practices of your community?

It's core

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Salamatof tribe

What role does water play in the cultural practices of your community?

Water is necessary to sustain our natural resources to provide us food and medicine

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Standing Rock Sioux Tribe, but reside in Ethete, Wyoming

What role does water play in the cultural practices of your community?

Water is a part in many tribes cultural practices.

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Portland, OR

What role does water play in the cultural practices of your community?

In the city, Recreation such as paddle boarding in the rivers, fly- fishing for recreation, snowpack and skiing, landscaping,

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Where are you from (Tribal Affiliation, Home Community)?

Pinoleville Pomo Nation

What role does water play in the cultural practices of your community?

Water provides life for cultural foods, fibers, teas and medicines, water plays a role in all cultural practices.

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

We are concerned about impacts of 6ppt-quinone on Steelhead, Coho, and Chinook fisheries.

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

Access

Cost

Availability

Water Rights

Flooding

Droughts

Mining

Melting Ice

Livestock Raising

Agriculture

Oil & Gas Drilling

Lack of Infrastructure

Decaying Infrastructure

Other:

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to gather specific water contamination and potability concerns for you and your community.

Where are you from (Tribal Affiliation, Home Community)?

Western Shoshone Nevada

What role does water play in the cultural practices of your community?

Morning prayers and blessings. Prayer for snow and rain, pine nuts, etc.

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other: Cyanide & mining

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

Access

Cost

Availability

Water Rights

Flooding

Droughts

Mining

Melting Ice

Livestock Raising

Agriculture

Oil & Gas Drilling

Lack of Infrastructure

Decaying Infrastructure

Other:

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Where are you from (Tribal Affiliation, Home Community)?

Native Hawaiian

What role does water play in the cultural practices of your community?

critical to everything - growing and sustaining important plants to gather / grow, ceremony, recreation, healing...

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other: waste water intrusion from cesspools and poor waste water treatment

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

This survey is designed to understand

to gather specific water contamination and potability concerns for you and your community.

Where are you from (Tribal Affiliation, Home Community)?

Cow Creek Tribe, Oregon

What role does water play in the cultural practices of your community?

Ceremonial, Tribal Gathering, Community

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

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Where are you from (Tribal Affiliation, Home Community)?

Navajo nation

What role does water play in the cultural practices of your community?

a lot

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

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Where are you from (Tribal Affiliation, Home Community)?

White Mountain Apache Tribe

What role does water play in the cultural practices of your community?

Used in ceremonies and traditional prayer

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other: Water temp increase that impacts availability and quality

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

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Where are you from (Tribal Affiliation, Home Community)?

Agdaagux Tribe of King Cove

What role does water play in the cultural practices of your community?

We use the seas to travel to harvest foods and help us with weather and we collect much of our foods from the seas and rivers

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other: Taste, turbidity

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

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Where are you from (Tribal Affiliation, Home Community)?

Navajo Nation- western agency

What role does water play in the cultural practices of your community?

It is very important for agriculture- cornfields, other crops, livestock- water and forage, water for culturally important plants as first foods, medicine, etc.

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

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Where are you from (Tribal Affiliation, Home Community)?

Akiachak

What role does water play in the cultural practices of your community?

Very important

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

This survey is designed to understand

to gather specific water contamination and potability concerns for you and your community.

Where are you from (Tribal Affiliation, Home Community)?

Walker River Paiute/Pomo from Sacramento, CA

What role does water play in the cultural practices of your community?

Clean freshwater and healthy riparian habitat is necessary for healthy fish used for subsistence and ceremonial purposes, and for healthy plants that provide traditional materials like tule and willow

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other: Over allocation

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Impact of Climate Change on Water

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to gather specific water contamination and potability concerns for you and your community.

Where are you from (Tribal Affiliation, Home Community)?

Narragansett

What role does water play in the cultural practices of your community?

Water impacts the food we consume, including quahogs, which are central to our trade, beadwork, ceremonies, and regalia materials. It also directly affects wildlife, such as deer, which serve multiple purposes in our community. Water influences everything around us.

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other:

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Impact of Climate Change on Water

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Where are you from (Tribal Affiliation, Home Community)?

Forest County Potawatomi Community (WI) - non-Indigenous staff

What role does water play in the cultural practices of your community?

Ceremonies, maintains ecosystems for fishing & hunting & harvesting, part of identity (clans)

Has climate change affected your community's ability to maintain cultural practices?

Yes

No

Not Sure

In the LAST DECADE what water quality issues has your community experienced? (check all that apply)

- Acidic Water
- Arsenic Contamination
- Lead Contamination
- Bacterial/Viral Contamination
- Heavy Metals, Nitrate, Mercury, etc.
- Organics, such as PFAS (Forever Chemicals)
- Cyanotoxins/Toxic Algae Blooms
- Solvents
- Pesticides
- Biological Contaminants (e.g., decomposing animals, manure run-off, etc.)
- Sodium hydroxide (Lye)
- Polychlorinated Biphenyls (PCBs)
- Microplastics
- Salt Intrusion/Seawater Mixing
- Other:

What are the impediments to maintaining cultural practices associated with water? (check all that apply)

- Access
- Cost
- Availability
- Water Rights
- Flooding
- Droughts
- Mining
- Melting Ice
- Livestock Raising
- Agriculture
- Oil & Gas Drilling
- Lack of Infrastructure
- Decaying Infrastructure
- Other: Too much infrastructure

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