



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Y 2015 Tribal Cooperative Landscape Conservation Program Internships and Youth Engagement Funding

Total Number of Awards: 21 Youth Involved: 88 Total Funding: \$1,367,719

Category 1: Program Internships

Youth Involved: 22

To hire youth interns to support integration of climate mitigation or adaptation planning into BIA trust resources or tribal programs for the benefit of tribes and tribal resources

Category 1 Number of Awards: 9

Category 1 Total Funding: \$607,836

Tribes: Affiliated Tribes of Northwest Indians

Title: Affiliated Tribes of Northwest Indians (ATNI) Internships & Youth Engagement Initiative: 3 Management Interns

Project Description Youth Involved: 3 Estimated Tribes Benefitting: 83 Award Amount: \$74,531

To create an ATNI climate management internship to sponsor three interns collocated at BIA Northwest Region, ATNI Portland, and ATNI Spokane offices to work in collaboration with the Upper Columbia United Tribes management staff on the integration of climate mitigation and or adaptation planning into Tribal programs or Inter-Tribal organizations.

Tribes: Asa'carsarmiut Tribe

Title: Asa'carsarmiut Youth Climate Project

Project Description Youth Involved: 2 Estimated Tribes Benefitting: 1 Award Amount: \$74,680

The Asa'carsarmiut Tribe, in partnership with the Alaska ANTHC Center for Climate and Health, BIA, and EPA will host two interns between 16 and 24 years of age to assist the tribe's environmental staff to monitor weather and the environment and develop an adaptation plan.

Tribes: Campo Band of Diegueno Mission Indians of the Campo Indian Reservation, California

Title: Campo Cooperative Landscape Conservation Youth Internship Program

Project Description Youth Involved: 3 Estimated Tribes Benefitting: 1 Award Amount: \$75,000

Three interns ages 18-30 will develop and present presentations to Reservation youth and off-Reservation youth as they learn about climate change, mitigation through renewable energy such as the tribe's Kemeyaay Wind commercial scale wind generation facility, and about integrating traditional knowledges into adaptation strategies.

Tribes: The Choctaw Nation of Oklahoma

Title: Tribal Internship Program to Support Climate Change Mitigation and Adaptation Efforts

Project Description Youth Involved: 1 Estimated Tribes Benefitting: 1 Award Amount: \$28,486

As part of a comprehensive effort to develop a Drought Contingency Plan, a tribal intern will be hired to support climate change adaptation and mitigation efforts through the Choctaw Water Resources Dept.

Tribes: Lummi Tribe of the Lummi Reservation

Title: Preparing Tribal Leaders for Climate Change Adaption Planning, Research, and Monitoring

Project Description Youth Involved: 2 Estimated Tribes Benefitting: 2 Award Amount: \$74,056

To address climate change impacts on fisheries by hiring and training one management-level intern in the Lummi Water Resources Division to develop a vulnerability assessment and one research-related intern in the Stock Assessment Division for monitoring and assessment of affected species.



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Category 1 Total Funding: \$607,836

Tribe: Mescalero Apache Tribe

Title: Sovereign Nations Service Corps Climate Change Adaptation Initiative

Project Description **Youth Involved: 4** **Estimated Tribes Benefitting: 1** **Award Amount: \$75,000**

To engage up to four college-oriented youth 18-24 years old in ongoing climate change research monitoring and management of adaptation projects the Mescalero Apache Tribe is conducting in partnership with Northern Arizona University to identify alternative management strategies to enhance resilience and to present their findings.

Tribe: Navajo Nation, Arizona, New Mexico & Utah

Title: Climate Change Adaption Education and Training to Navajo Youth, Including Livestock Rain Capture Systems and Managing Climate Change in Your Community

Project Description **Youth Involved: 4** **Estimated Tribes Benefitting: 1** **Award Amount: \$75,000**

To provide a 19-week internship experience to 4 Dine' College Students to develop individual projects related to installing livestock water catchments, learning about native plants, and assisting with different projects that support the zoo, museum, and minerals department, resulting in a student final report and skills to apply to support climate adaptation on the Navajo Nation.

Title: Employ and Engage Youth Interns in the Communities on Navajo Nation to Address Climate Change Impacts

Project Description **Youth Involved: 2** **Estimated Tribes Benefitting: 1** **Award Amount: \$74,999**

To mentor youth interns to serve as liaisons to provide and interpret public outreach information related to climate drivers, issues, and impacts in five key vulnerability topics, including: water hauling, human health, dust storms, lack of forage, and invasive species.

Tribe: Quinault Indian Nation

Title: Quinault Youth Internship: Monitoring and Preserving Native Plants to Prepare for Climate Change

Project Description **Youth Involved: 1** **Estimated Tribes Benefitting: 1** **Award Amount: \$56,084**

To hire an intern for one year to map, monitor, and collect seeds of culturally significant plants, assist staff on climate change-related projects, and gain skills through professional mentorship with Quinault Division on Natural Resources Climate Change Committee staff in Fisheries, Forestry and Environmental Protection.



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Category 2: Research Internships

Youth Involved: 17

To hire youth interns to advance research to identify climate vulnerabilities, inform or perform data analysis, or address ocean and coastal management challenges

Category 2 Number of Awards: 5

Category 2 Total Funding: \$319,178

Tribe: Affiliated Tribes of Northwest Indians

Title: Affiliated Tribes of Northwest Indians (ATNI) Internships & Youth Engagement Initiative: 3 Research Interns

Project Description **Youth Involved:** 3 **Estimated Tribes Benefitting:** 83 **Award Amount:** \$74,531

To create an ATNI research internship to sponsor three research interns collocated at BIA Northwest Region, ATNI Portland, and ATNI Spokane offices to work in collaboration with the Upper Columbia United Tribes management staff to provide technical and research support, and data analysis by advancing research to identify climate vulnerabilities, inform or perform data analysis, or address ocean and coastal management challenges of Tribal programs and Inter-Tribal organizations for the benefit of the ATNI member tribes.

Tribe: The Chickasaw Nation

Title: SC CSC Research Interns to Support Research and Tribal Outreach Regarding Climate Adaptation

Project Description **Youth Involved:** 4 **Estimated Tribes Benefitting:** 69 **Award Amount:** \$74,917

To hire four interns to work with two full-time SC CSC Tribal Liaisons from the Chickasaw Nation who provide climate change workshops and training programs to 69 tribes in the south-central region and to support research and tribal outreach regarding climate adaptation.

Tribe: Minnesota Chippewa Tribe - Fond du Lac Band

Title: Research Internships for Climate Change Impacts on Wild Rice and Sugar Bush

Project Description **Youth Involved:** 3 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$33,344

To support three tribal college students conducting research on climate change impacts on wild rice and sugar bush, incorporating both traditional ecological knowledge and current scientific practices. This project will support student involvement throughout the school year prior to a six week summer internship in conjunction with a NASA grant program for tribal student interns to conduct climate change modeling activities with NASA researchers in Huntsville, Alabama.

Tribe: Nez Perce Tribe

Title: Climate Adaptation Planning Category 2. Research Internship

Project Description **Youth Involved:** 3 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$73,033

To hire three graduate students for a year to research socio economic, water quality, and climate change impacts on ceded lands outside the reservation with reserved rights in coordination with Nez Perce Tribal Natural Resources programs and Regional agencies that work with the tribe.



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Category 2 Number of Awards: 5

Category 2 Total Funding: \$319,178

Tribe: Red Lake Band of Chippewa Indians, Minnesota

Title: Red Lake Climate Change Biological Monitoring Assessment Category 2. Research Internship

Project Description **Youth Involved: 4** **Estimated Tribes Benefitting: 1** **Award Amount: \$63,353**

To partner tribal college student with a graduate student who would operate in an official metorship capacity during the field season to determine stream, lake, and climate specific protocols to assess abnormal conditions and climate change impacts with the support of Red Lake Professional staff throughout the summer.



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Category 3: Youth Engagement

Youth Involved: 49

To engage K-12 students in science, technology, engineering, and math (STEM), which may be integrated with Traditional Knowledges, and includes a significant climate adaptation, mitigation, or ocean and coastal management focus

Category 3 Number of Awards: 7

Category 3 Total Funding: \$440,705

Tribe: Affiliated Tribes of Northwest Indians

Title: Affiliated Tribes of Northwest Indians (ATNI) Internships & Youth Engagement Initiative: Youth Education and Community Outreach Video Project

Project Description **Youth Involved:** 10 **Estimated Tribes Benefitting:** 83 **Award Amount:** \$74,295

Ten high school youth from ATNI member Tribes will participate in a youth education and community outreach video project, which will be presented by ATNI youth at the Collaborative Bi-Coastal Tribal Climate Workshops and at the 2nd Annual Tribal Leaders Summit on Climate Change.

Tribe: Chippewa Cree Indians of the Rocky Boy's Reservation, MT

Title: Youth Climate Adaptation Training with Journey Mapping Project and Mini-Conference

Project Description **Youth Involved:** 10 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$74,456

To establish a 10 week diverse tribal climate learning experience for 10 tribal youth to produce a journey map, study tribal policy and natural resources management and climate adaptation plans, and conduct field studies and monitoring.

Tribe: Confederated Tribes of the Chehalis Reservation

Title: Chehalis Tribe Youth Climate Change Internship

Project Description **Youth Involved:** 2 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$39,619

To hire two youth interns for water quality monitoring in the Chehalis River to establish baseline data to determine climate change impacts to the watershed over time.

Tribe: Confederated Tribes of the Warm Springs Reservation of Oregon

Title: Youth Educational Outreach with Professional Development Opportunities

Project Description **Youth Involved:** 4 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$74,986

To support two college age interns in environmental fields for a year and two high school level students during the summer in partnership with the Climate Change Workgroup. mentors, and teachers to develop K-8 curriculum and original student research related to climate change.

Tribe: Minnesota Chippewa Tribe - Grand Portage Band

Title: Summer Internship Program for Planning for Coastal Management Challenges and Effects to Natural Resources from Climate Change within the Lake Superior Shoreline and Watershed

Project Description **Youth Involved:** 4 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$32,915

To hire interns to collect and analyze data related to planning for coastal management challenges and natural resources impacts from climate change within the Lake Superior shoreline and watershed.



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Category 3 Number of Awards: 7

Category 3 Total Funding: \$440,705

Tribe: Passamaquoddy Tribe - Pleasant Point

Title: Using Undergraduate Research and Youth Engagement to Advance Passamaquoddy Climate Adaptation

Project Description **Youth Involved:** 14 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$69,664

To develop climate change and adaptation lesson plans with Passamaquoddy cultural context for 10th and 11th graders, support two aquaculture research undergraduate internships, and foster interaction among tribal high school students, the interns, tribal elders, and professional in the Sipayik Environmental Department in active fisheries restoration and climate adaptation planning.

Tribe: Squaxin Island Tribe of the Squaxin Island Reservation

Title: Youth Engagement in Climate Change Adaptation

Project Description **Youth Involved:** 5 **Estimated Tribes Benefitting:** 1 **Award Amount:** \$74,770

To engage youth in marketable employment training through internships in natural resources and climate science related to changing conditions in freshwater mussels and the resulting effects on fish health. Efforts will be coordinated between the Tribe's Natural Resources and Education Departments and the Shelton School District using Next Generation Science Standards.