

Agency	Agreement #	Modifications	University	Pi	Project Title	Start Date	End Date	Budget
BIA	A19AC00014		Udaho	Hudiburg, Tara	US BIA Tribal Fire Resilience Program	1-Oct-18	25-Feb-20	\$80,858.00
BLM	L19AC00184		BSU	Carlisle, Jay	Long-billed Curlew Monitoring in Wyoming	01-Sep-19	31-Aug-22	\$16,000.00
BLM	L15AC00053		MSU	Littlefield, Jeffrey	Biological Control of Invasive Plants Impacting BLM Managed Lands	12-Jun-19	11-Jun-20	\$30,000.00
BLM	L19AC00338		SKC	Dupuis, Virgil	Native Plant and Pollinator Restoration and Conservation	23-Sep-19	22-Sep-24	\$50,000.00
BLM	L19AC00080		Udaho	Schwarzlaender, Mark	BLM Idaho Biological Control Development	1-Jul-19	1-Jul-22	\$88,000.00
BLM	L19AC00311		UMT	Gerloff, Lisa	Inventory and Monitoring of Wilderness Study Areas--Billings Field Office	22-Sep-19	21-Sep-22	\$28,373.00
BLM	L19AC00309		UMT	Gerloff, Lisa	Inventory and Monitoring of Wilderness Study Areas--Dillon Field Office	22-Sep-19	21-Sep-22	\$32,000.00
BLM	L16AC00395		UMT	Noson, Anna	Bird Inventory and Monitoring: Large Scale Riparian Monitoring and Responses to Land Management Actions, Madison-Missouri Rivers	19-Sep-19	18-Sep-21	\$26,318.00
BLM	L19AC00324		UMT	Vance, Linda	Vegetation and Pollinator Monitoring and Data Sharing on Rangelands	23-Sep-19	22-Sep-24	\$278,191.00
BLM	L16AC00418	4	USU	Dahlgren, David	Greater Sage Grouse Geophagy Study	03-Aug-19	30-Sep-21	\$50,000.00
BLM	L17AC00274	1	Uwaterloo	Fedy, Brad	Greater Sage Grouse Seasonal Habitat Assessment and Modeling	16-Jul-19	17-Sep-22	\$60,000.00
BLM	L19AC00090		WYU	Beck, Jeffrey	Atlantic Rim Greater Sage Grouse Population and Habitat Study	01-Sep-19	31-Aug-22	\$206,062.00
BLM	L17AC00284	2	WYU	Field, Robert	Air Quality Assessment & Outreach Program	18-Jun-19	20-Sep-22	\$165,000.00
BLM	L19AC00201		WYU	Harkins, Kristina	Determining Drivers of Community Assembly in Sagebrush Ecosystems	15-Sep-19	30-Sep-21	\$38,796.00

BLM	L19AC00178		WYU	Heidel, Bonnie	Blowout Penstemon Seedling Monitoring	01-Sep-19	31-Aug-22	\$25,000.00
BLM	L17AC00136	2	WYU	Keith Monteith	Deer elk Ecology Cooperative Study	09-Jul-19	16-Sep-22	\$50,000.00
BLM	L19AC00283		WYU	Keith Monteith	Whiskey Mountain Bighorn Sheep Survival	30-Sep-19	30-Sep-22	\$50,000.00
BLM	L19AC00337		WYU	Mealor, Brian	NE WY Native Plant Reclamation & Restoration	30-Sep-19	30-Sep-22	\$20,000.00
BLM	L19AC00082		WYU	Monteith, Kevin	WY Range Mule Deer Carryover	01-Sep-19	31-Aug-22	\$78,000.00
BLM	L19AC00284		WYU	Tronstad, Lusha	Desert Yellowhead Study	30-Sep-19	30-Sep-21	\$63,631.00

BOR	R18AC00065		CUB	Pellegrino, John	BOR_CESU: Scaling-resistant RO/NF Membrane for Concentrate Minimization	20-Sep-18	30-Sep-21	\$206,334.00
DoD	/9126G-19-2-0058		CSU	Beavers, Andrew	Wildland Fire Management Planning for Joint Base Pearl Harbor-Hickham Lualualei Annex	23-Sep-19	22-Sep-20	\$19,059.00
DoD	/9126G-19-2-0017		CSU	Bern, Christine M	ITAM Support for Yuma Proving Ground, Yuma, Arizona	10-Jun-19	9-Jun-24	\$124,998.00
DoD	/9126G-19-2-0027		CSU	Burns, Charles	Integrated Training Area Management (ITAM) Support at Joint Readiness Training Center, Fort Polk, Louisiana	20-Sep-19	19-Sep-20	\$3,573,154.00
DoD	W9126G-18-2-0020		CSU	Cadlwell, Liz	Landfill Closure Support, Vandenberg AFB	20-Jul-19	19-Jul-20	\$142,950.00
DoD	W9126G-19-2-0047		CSU	Clarke, Mindy	NEAP and Cultural Resources Support, Fort Campbell	30-Sep-19	29-Sep-20	\$375,335.00
DoD	W9126G-16-2-0023		CSU	Clarke, Mindy	Fish and Wildlife Program Support, Fort Campbell	13-Sep-19	12-Sep-20	\$786,673.00
DoD	W9126G-14-2-0080		CSU	Clarke, Mindy	Forest Inventory and Agricultural Lease Inventory Support, Fort Campbell	30-Sep-19	29-Sep-20	\$157,066.00
DoD	W9126G-14-2-0070		CSU	Clarke, Mindy	Natural Resources Program Sikes Act Support, Dugway Proving Ground	30-Sep-19	29-Sep-20	\$654,986.00

DoD	W911KB-19-2-0200		CSU	Herron, Christopher Michael	Natural Resources Support MGT-Species, Nellis Air Force Base, Nevada	03-May-19	30-Sep-20	\$594,315.00
DoD	W911KB-19-2-0201		CSU	Herron, Christopher Michael	Natural Resources Support Nellis Air Force Base, Nevada	29-May-19	30-Dec-20	\$616,499.00
DoD	W9126G-19-2-0006		UMT	CIRE	Invasive Species Support, Joint Base McGuire-Dix-Lakehurst	01-Jun-19	31-May-20	\$151,173.00
DoD	W9126G-19-2-0035		UMT	CIRE	Western Spadefoot Toad DNA Study, Travis/Beale AFB	20-Sep-19	19-Mar-22	\$90,289.00
DoD	W9126G-19-2-0007		UMT	CIRE	Wildland Fire Management Support, Kirtland AFB	28-Mar-19	27-Mar-20	\$699,956.00
NPS	P19AC00592	1	BSU	Yu, Pei-lin	Workshop to Determine Best Practices for Assessing Vulnerability of Unique and Fragile Cultural Heritage Preserved through the Vanishing Treasures Program	10-Jun-19	30-Apr-21	\$49,427.00
NPS	P19AC01166		CSU	Anderson, Ashley	Provide Effective Communication of Natural Resource Conditions in Parks for Public and Managers	01-Sep-19	30-Sep-21	\$177,266.00
NPS	P16AC00843	3	CSU	Bend, Ron	Outside Science (inside parks) Web-based Videos	12-Jul-19	31-Dec-20	\$34,599.00
NPS			CSU	Bend, Ron	Video Development for Employee Training and Public Communication	01-Jun-19	31-Dec-21	\$46,089.00
NPS	P 17 AC00971	2	CSU	Berger, Joel	Developing Predictive Capacity to Support Adaptive Management Strategies for Mountain Goat	22-May-19	30-Jul-21	\$97,657.00
NPS	P17AC00606	3	CSU	Champ, Joseph	Science Communication through Mass Media	30-May-19	31-Mar-21	\$121,432.00
NPS	P19AC01120		CSU	Cooper, David	Degraded wetland condition assessment and a high priority wetland restoration design for the Marin Headlands, Golden Gate National Recreation Area	01-Jun-19	30-Sep-20	\$37,398.00
NPS	P19AC01132		CSU	Cooper, David	Develop Cost-Effective Methods for Re-establishing Native Gulf Cordgrass in Degraded Wet Prairies at Palo Alto Battlefield National Historical Park	15-Jun-19	10-Mar-21	\$47,053.00
NPS	P19AC00493		CSU	Finchum, Ryan	Building management capacity in Mexican northern border parks through trans-frontier cooperation	08-Aug-19	31-Jan-21	\$46,947.00
NPS	P19AC00773		CSU	Finchum, Ryan	Support of Colorado State University's 2019 Protected Area Management Course	01-Jul-19	30-Jun-20	\$18,553.00

NPS	P18AC01188	1	CSU	Hand, Jenny	Assistance for Visibility Data Analysis and Image Display Techniques	01-Sep-19	28-Feb-21	\$890,828.00
NPS	P19AC01111		CSU	Hannah, Judith	Continuation of Geologic Resources Inventory Program to Support NPS Geologic Resource Management	07-Sep-19	31-Dec-21	\$1,600,000.00
NPS	P19AC00795		CSU	Hobbs, N. Thompson	Forecasting in Support of Adaptive Management of the Rocky Mountain National Park Elk Herd	01-Jul-19	30-Jun-24	\$25,864.00
NPS	P17AC00068/P17AC00971		CSU	Hooten, Mevin	Modeling Tree Growth Across the Landscape	19-Sep-19	30-Sep-21	\$41,425.00
NPS	P16AC00908	3	CSU	Jones, David	Vegetation Inventory and Mapping at Big Thicket National Preserve and Gulf Islands National Seashore in support of the NPS Vegetation Inventory Program	18-Jul-19	15-Jun-21	\$205,725.00
NPS	P18AC01179	1	CSU	Kampf, Stephanie	Watershed Assessment Framework for National Park Service Wild And Scenic Rivers	13-Jun-19	30-May-21	\$12,234.00
NPS	P18AC01243	2	CSU	Laituri, Melinda	Cooperative Research and GIS Support for Visitor Use Management, Long Range Transportation Planning and Incident Management Training	01-Sep-19	30-Sep-20	\$45,348.00
NPS	P18AC00840	2	CSU	Sanford, William	Evaluate NPS geohydrology and sustainable groundwater management, including a focus on the Cottonwood / Smoke Tree sub-basin in Joshua Tree National Park	01-Jun-19	30-Sep-20	\$75,000.00
NPS	P18AC01141	1	CSU	Schook, Derek	Evaluation of NPS surface water resources to inform management of the degraded Rio Grande riparian corridor in Big Bend National Park	15-Jun-19	10-Apr-22	\$123,006.00
NPS	P19AC00860		CSU	Schook, Derek	Interactions among vegetation and fluvial geomorphic processes along the Rio Grande in Big Bend National Park	01-Sep-19	01-Apr-21	\$46,529.00
NPS	P17AC00205	2	CSU	Spracker, Terry	Technical Assistance to the National Park Service Wildlife Health Team	15-Aug-19	7-Mar-22	\$199,883.00
NPS	P16AC00379	5	CSU	Spraker, Terry	Technical Assistance for Veterinary Pathology and Diagnostic Services for NPS Wildlife Species	12-Jul-19	2-May-21	\$97,000.00
NPS	P19AC00546		CSU	Sueltenfuss, Jeremy	Distribution of Reed Canary Grass and the testing of management strategies against it	03-Jun-19	31-Dec-21	\$26,934.00
NPS	P19AC00600		CSU	Sueltenfuss, Jeremy	Grand Ditch Restoration Adaptive Management Monitoring Park Unit or Program: ROMO	01-Jun-19	31-Dec-21	\$115,371.00
NPS	P19AC01128		CSU	Wittemyer, George	Quantifying and interpreting acoustic resource conditions in National Park units.	01-Sep-19	31-May-20	\$200,121.00

NPS	P15AC01655	5	CSU	Zimmerman, Donald	Web and Social Media Guidance and Support for Natural Resource Topics	01-Jun-19	30-Sep-20	\$81,708.00
NPS	P19AC00241	1	CUB	Kocielek, John Patrick	Revitalizing the Exhibitions of Chapin Mesa Archaeological Museum Park Unit or Program: Mesa Verde National Park	04-Apr-19	31-Dec-22	\$215,000.00
NPS	P19AC00598		CUB	Lawhon, Lydia	Rocky Mountain National Park: A Reservation for Nature	01-Jun-19	31-Dec-30	\$8,421.00
NPS	P19AC00245		CUD	Arnold, Suzanne	Teacher Ranger Teacher	30-Mar-19	31-Oct-20	\$140,000.00
NPS	P19AC00605		CUD	Arnold, Suzanne	Teacher Ranger Teacher 2	12-Jun-19	31-Oct-20	\$50,176.00
NPS	P16AC00511	6	CUD	Moreno, Rafael	Cooperative GIS Internship with the NPS Intermountain Region	01-Jun-19	31-May-20	\$14,927.00
NPS	P15AC01225	5	CUD	Ruppert, David	Conduct Documentation and Evaluation of the Significance of and Resources Related to the Hole-in-the-Rock Trail (HITR) within Glen Canyon National Recreation Area; to include Oral History Interviews	06-Sep-19	31-Dec-19	\$12,000.00
NPS	P18AC00892	1	CUD	Stone, Tammy	Train Student Intern in Fulfilling Cultural Resource Preservation Laws and Conducting Needs Assessments that Support American Indian and other Traditionally Associated Peoples Relationship with National Park Lands	01-Jun-19	31-Dec-20	\$32,000.00
NPS	P17AC00659	2	CUD	Thomos, Deborah	Assist with Air Resources Management Activities and Contribute to Projects that Present NPS Air Resources Information to Park Units and the Public	01-Jul-19	30-Oct-20	\$48,794.00
NPS	P18AC00888	1	CUD	Vlahos, Kat	CAVE HABS Documentation of the Mission 66 Six-Plex	12-Jul-19	31-Dec-21	\$4,536.00
NPS			CUD	Vlahos, Kat	HABS Documentation for Casa Grande Ruins Cover Structure	30-Sep-19	15-Jan-21	\$15,541.00
NPS	P18AC01064	1	MSU	Bakker, Victoria	Population Management Analysis for Condor Program Efficiencies	01-May-19	31-May-22	\$6,999.00
NPS	P19AC0I071		MSU	Maxwell , Bruce	Predicting Invasive Potential of Annual Wheatgrass (Eremopyrum triticeum) in the Gardiner Basin of Yellowstone National Park	27-Aug-19	31-Dec-21	\$65,605.00
NPS	P19AC00440	1	MSU	Olson, Bret	YPP Implement Resource Management Internship Program	01-Apr-19	31-Dec-24	\$36,001.00
NPS	P19AC00625		MSU	Ore, Janet	Complete and Implement Museum Plans, Treat Artifacts, Revise National Regis & Complete NAGPRA Project	01-Apr-19	31-Dec-21	\$32,427.00

NPS	P19AC01118		MSU	Ore, Janet	Produce an Historic Resource Study for Devils Tower National Monument	30-Sep-19	30-Jun-20	\$171,548.00
NPS	P19AC01105		UMT	Devlin, Shawn	Lake McDonald Time-Series Water Quality Analysis	01-Aug-19	31-Mar-20	\$11,985.00
NPS	P19AC01232		UMT	Gerloff, Lisa	Leadership, Coordination, and Administrative Oversight for the Rocky Mountains Cooperative Ecosystem Studies Unit (ROMO-CESU)	01-Sep-19	1-Sep-24	\$15,134.00
NPS	P17AC00916	1	UMT	Luikart, Gordon	Environmental DNA Sampling for Invasive Species in Waterton-Glacier International Peace Park	28-May-19	31-Dec-21	\$18,000.00
NPS	P19AC01112		UMT	MacDonald, Douglas	Inventory/Assess Threats to Archeological Resources on Trail Segments with High Visitor Use, YELL	23-Sep-19	16-Sep-24	\$85,919.00
NPS	P19AC00038		UMT	MacDonald, Douglas	Nez Perce National Historic Trail Archaeological Documentation, Yellowstone National Park	29-Jan-19	1-May-19	\$4,343.00
NPS	P18AC01073	1	UMT	MacDonald, Douglas	NRHP Testing of Archeological Sites in Support of FHWA Norris to Golden Gate Phase III and Northeast Entrance Corridor Projects	01-Jun-19	31-May-20	\$31,150.00
NPS	P19AC01224		UMT	Patterson, Michael	Cooperative Programmatic Support for the University Host of the Rocky Mountains Cooperative Ecosystem Studies Unit	15-Aug-19	30-Sep-22	\$30,000.00
NPS			UMT	Patterson, Michael	Yellowstone Center for Resources Native American Student Internship Program	23-Sep-19	16-Sep-24	\$56,037.00
NPS	P17AC00236	3	UMT	Sexton, Erin	Implementing a Landscape Conservation Design for Landscape-Scale Conservation Priorities and Landscape Stressors Across the Crown of the Continent	14-May-19	31-Dec-22	\$5,000.00
NPS	P16AC00970	1	UMT	Thompson, Jennifer	Visitor use monitoring for Glacier National Park	01-Jul-19	31-Dec-22	\$54,193.00
NPS	P18AC01015	1	USU	Conner, Mary	Migrations and potential disease transmission pathways of Grand Teton Mule Deer	23-May-19	31-Dec-21	\$24,999.00
NPS	P17AC00708	1	USU	Monz, Christopher	Rocky Mountain National Park Visitor Use and Transportation Management Study	12-Jul-19	31-Dec-20	\$8,440.00
NPS	P19AC00958		UU	McNeally, Phoebe	Visitor Use Experience Interactive Web Maps Development for Nine National Historic Trails	15-Sep-19	15-Sep-22	\$78,667.00
NPS	P19AC01089		UWY	Dillon, Michael	UWNPS Research Center Support, 2019-20	01-Jul-19	31-Dec-22	\$32,500.00

NPS	P19AC00918		UWY	Kauffman, Matt	Effects of bison grazing on migratory animals in Yellowstone	01-Sep-19	30-Aug-23	\$79,941.00
NPS	P18AC01014	1	WAFWA	WAFWA	Aquatic Invasive Species Prevention	15-Jul-19	20-Sep-21	\$45,000.00
NPS	P17AC00996	2	WYU	Abernethy, Ian	Bat Hibernacula Identification and White Nose Syndrome Surveillance	15-Sep-19	30-Jun-20	\$6,500.00
NPS	P19AC01238		WYU	Gerow, Ken	Biostatistics Support for NPS Fire Ecology Program	01-Jul-19	30-Jun-24	\$10,012.00
USACE	W912HZ-18-2-0010	1	MSU	Thum, Ryan	Genetic Characterization of Introduced Floating Hearts to Support Biological Control Development	29-Aug-19	31-Dec-19	\$20,000.00
USACE	W912HZ-15-2-0011	6	Udaho	Wilhelm, Frank	Willow Creek Reservoir Water Quality Research and Evaluation Studies	01-Aug-19	28-May-20	\$53,051.00
USFS	19-CS-11011100-022		MSU	Hartshorn, Anthony	Riley Pass Uranium Mine Growth Medium Study	08-May-19	31-Jan-21	\$21,642.00
USFWS	F19AC00316		CSU	Grunau, Lee; Schorr, Robert; Smith, Pamela;	Biological Investigations, Monitoring and Restoration on Federal Lands	09-May-19	31-May-24	\$203,092.00
USFWS	F19AC00307		CSU	Kendall, William	Data Collection and analysis to support management of priority species and their habitats in the U.S. Fish and Wildlife Service Mountain-Prairie Region	15-May-19	31-May-24	\$34,000.00
USFWS	F19AC00833		MSU	Blank, Matthew	Evaluating and restoring native and endangered trout and other fish species in the West	23-Jun-19	30-Jun-23	\$100,000.00
USFWS	F17AC00896	2	MSU	Guy, Christopher	White Sturgeon Sex and Stage of Maturity in the Lower Columbia River, Canada."	12-Sep-19	28-Sep-20	\$185,009.00
USFWS	F19AC00099		MSU	Litt, Andrea	Building stronger relationships with communities in Southwest Montana: Addressing factors limiting range production in the sagebrush ecosystems around Red Rock Lakes NWR	05-Mar-19	31-Mar-24	\$35,000.00
USFWS	F19AC00581		MSU	Plymesser, Kathryn	PNW Aquatic Species Passage State of Science and Workshops - a state-of-the-science and workshop dissemination for assessing fish and aquatic organism passage	01-Sep-19	30-Sep-21	\$31,389.00
USFWS	F19AC00266		MSU	Sullivan, Jaime	Public Lands Transportation Fellows Program	15-Apr-19	15-Oct-20	\$345,716.00
USFWS	F15AC01157	7	UMT	Cooley, Hilary	Grizzly Bear Recovery: Implementation, Monitoring, Research, Education and Conservation	15-Aug-19	30-Sep-20	\$369,405.00

USFWS	F19AC00730		WYU	Heidel, Bonnie	F E Warren Air Force Base, Threatened and Endangered Species	10-May-19	30-Jun-24	\$47,169.00
USGS	G19AC00401		CSU	Antolin, Michael	Extending USGS Research on Ecological Impacts of Plague in the Western U.S.	15-Sep-19	14-Sep-20	\$75,000.00
USGS	G19AC00127		CSU	Bailey, Larissa	Linking Demographic and Genomic Information to Inform Conservation Decisions for Amphibians Challenged by Disease	22-Apr-19	1-Mar-20	\$39,500.00
USGS	G19AC00338		CSU	Brown, Cynthia	Traits and Geographic Distributions of Invasive Grasses	01-Aug-19	18-Aug-20	\$199,000.00
USGS	G19AC00351		CSU	Evangelista, Paul	Building and Improving the Processing and Visualization of Invasive Species Habitat Suitability Models	19-Aug-19	18-Aug-20	\$48,801.00
USGS	G19AC00416		CSU	Evangelista, Paul	Developing, Evaluating and Refining a Multiscale Iterative Habitat Modeling Approach for Multiple High Priority Invasive Species: Year 1	15-Sep-19	14-Sep-20	\$150,000.00
USGS	G19AC00044	1	CSU	Kampf, Stephanie	Western Mountain Initiative - Central Rocky Mountains	29-Apr-19	28-Apr-20	\$113,648.00
USGS	G19AC00402		CSU	Poff, Leroy	A Tool to Support Resource Management Decisions Related to Control of Invasive Tamarix in the Western U.S.	15-Sep-19	14-Sep-20	\$48,999.00
USGS	G19AC00419		CSU	Poff, Leroy	Effects of Streamflow and Irrigation on Riparian Vegetation Restoration Efforts in the Colorado River Basin	15-Sep-19	14-Sep-20	\$49,300.00
USGS	G19AC00446		CSU	Poff, Leroy	Elwha River Dam Removal Vegetation Studies	25-Sep-19	24-Sep-20	\$48,000.00
USGS	G19AC00392		CSU	Poff, Leroy	Using Improved Hydrology Metrics to Model Occurrence and Abundance of Tamarisk, Russian Olive, and Siberian Elm in the Western USA	15-Sep-19	14-Sep-20	\$48,000.00
USGS	G19AC00404		CUB	Wasser, Leah	Application of Earth Science Data Management in Research Organizations	15-Sep-19	14-Sep-20	\$15,509.00
USGS	G19AC00443		MSU	Sproles, Eric	Use of UASs to measure the albedo of snow in mountainous regions for Land Systems, Ecosystems, and Water Resources	23-Sep-19	22-Sep-20	\$50,000.00
USGS	G19AC00444		MSU	Verhille, Christine	Use of UASs to measure the albedo of snow in mountainous regions for Land Systems, Ecosystems, and Water Resources	23-Sep-19	22-Sep-20	\$49,889.00
USGS	G18AC00237	2	Udaho	Harley, Grant	Using Dendrochronology to Understand Historical Forest Growth...	1-Aug-19	31-Jul-20	\$17,625.00

USGS	G19AC00107
USGS	G19AC00428
USGS	G19AC00422
USGS	G19AC00045

UMT	Eby, Lisa	Klondike Gold Rush National Historical Park Boreal Toad Data Analyses and the Role of Study Length on the Reliability of Management Recommendations	15-Apr-19	14-Apr-21	\$43,326.00
UMT	Eby, Lisa	Responses of Stream Communities to Beaver Dam Analogs in Sagebrush Systems	15-Sep-19	14-Sep-20	\$55,704.00
UofWat	Fedy, Brad	Assessing Range-Wide Connectivity of Sage=Grouse priority Areas of Conservation	23-Sep-19	22-Sep-20	\$66,693.78
WSU	Goldberg, Caren	Distributional Changes and Reintroduction Success of Peripheral Populations of Alligator Snapping Turtles	04-Mar-19	07-May-22	\$19,681.25

\$18,128,357.03