

Agency	Agreement #	University	Pi	Project Title	Start Date	End Date	Budget
BLM	L20AC00498	MSU	McNew, Lance	Utility and Validation of ESD Soil Sampling within Sage-Grouse Habitats in Northcentral Montana	21-Sep-20	20-Sep-25	\$224,271.00
BLM	L16AC00417	MT-Tech		Groundwater Monitoring in Support of Energy Development in Eastern Montana	30-Sep-20		\$45,000.00
BLM	L20AC00520	MT-Tech		Western Montana Recreation Projects	30-Sep-20		\$55,000.00
BLM	L17AC00222	SKC		University Resource Management	30-Sep-20		\$25,000.00
BLM	L19AC00338	SKC	Dupuis, Virgil	Native Plant and Pollinator Restoration and Conservation	30-Sep-20	20-Sep-24	\$25,000.00
BLM	L19AC00311	UMT	Gerloff, Lisa	Inventory and Monitoring of Wilderness Study Areas--Billings Field Office	30-Sep-20	21-Sep-22	\$9,000.00
BLM	L20AC00506	UMT	Gerloff, Lisa	Citizen Science Inventory and Monitoring of Wilderness Study Areas --Miles City Field Office	30-Sep-20	01-May-22	\$24,997.00
BLM	L16AC00395	UMT	Noson, Anna	Bird Inventory and Monitoring: Large Scale Riparian Monitoring and Responses to Land Management Actions, Madison-Missouri Rivers	30-Sep-20	18-Sep-21	\$17,251.00
BLM	L20AC00528	UMT	Pipp, Andrea	Developing a Montana Plant Conservation Strategy for Species and Habitats of Concern	30-Sep-20	31-Dec-22	\$71,361.00
BLM	L19AC00324	UMT	Vance, Linda	Vegetation and Pollinator Monitoring and Data Sharing on Rangelands	30-Sep-20	22-Sep-24	\$501,800.00
BLM	L20AC00514	USU		Low-Tech Process-Based Restoration of Riverscapes Support	30-Sep-20		\$230,000.00
BLM	L20AC00107	UWAT	Fedy, Brad	Sage-grouse studies in north eastern Wyoming	01-Sep-20	31-Aug-23	\$316,000.00
BLM	L20AC00507	WYU		Pryor Mountain Wind Energy and Sage-Grouse Study	30-Sep-20		\$320,000.00
BLM	L20AC00166	WYU	Halbrook, Joseph	Swift Fox Invesitigations	22-Sep-20	30-Sep-25	\$522,930.00
BLM	L20AC00165	WYU	Heidel, Bonnie	Research, monitoring and surveys for BLM-WY-RFO Sensitive and listed Plants Milkvetvh	17-Jul-20	30-Sep-23	\$15,000.00
BLM	L20AC00153	WYU	Heidel, Bonnie	Ute Ladies tresses survey and monitoring	16-Jul-20	30-Sep-23	\$20,000.00
DoD	W9126G-16-2-0012	CSU		Forest Inventory & Agricultural Lease Inventory Support, Fort Campbell	17-Sep-20	16-Sep-21	\$162,586.00

DoD	W9126G-20-2-0037	CSU		Cultural Support, Travis AFB	29-Sep-20	28-Sep-21	\$174,961.00
DoD	W9126G-19-2-0017	CSU	Bern, Christine	ITAM Assistance Support, Yuma Proving Ground	10-Jun-20	09-Jun-21	\$120,547.00
DoD	W9126G-18-2-0016	CSU	Caldwell, Elizabeth	Environmental GIS Outreach Support, Fort AP Hill	24-Aug-20	23-Aug-21	\$94,518.00
DoD	W9126G-18-2-0032	CSU	Caldwell, Elizabeth	Environmental and Natural Resources Support, Fort AP Hill	13-Aug-20	12-Aug-21	\$670,574.00
DoD	W9126G-18-2-0070	CSU	Clarke, Melinda	Endangered Species Support, Fort AP Hill	30-Aug-20	29-Aug-21	\$101,908.00
DoD	W9126G-18-2-0059	CSU	Clarke, Melinda	Wildlife Natural Resource Support, Fort AP Hill	14-Sep-20	13-Sep-21	\$212,948.00
DoD	W9126G-18-2-0030	CSU	Clarke, Melinda	Forestry Support, Fort AP Hill	15-Aug-20	14-Aug-21	\$523,127.00
DoD	W9126G-16-2-0014	CSU	Jones, David	PTA and KMA Natural Resource, USAG-HI	31-Jul-20	30-Jan-20	\$3,027,200.00
DoD	W9126G-16-2-0054	CSU	Sherman, Stephen	Cultural Resources Support, Fort Bragg	30-Sep-20	29-Sep-21	\$199,906.00
DoD	W9126G-18-2-0014	CSU	Wallander, Amanda	Cultural Resource Support, Fort AP Hill	01-Jul-20	30-Jun-21	\$228,449.00
DoD	W9126G-20-2-0016	UMT	Callaway, Ray	Invasive Species Support, JB McGuire-Dix-Lakehurst	01-Jun-20	31-May-21	\$165,489.00
NPS	P19AC00592	BSU	Yu, Pei-lin	Integrated Climate Change Vulnerability Assessment Coordination for Cultural Resources	06-Mar-20	30-Mar-24	\$17,477.00
NPS	P16AC00843	CSU	Bend, Ron	Outside Science (inside parks) Web-based Videos	01-Jul-20	31-Dec-21	\$18,596.00
NPS	P20AC00653	CSU	Berger, Joel	Developing Predictive Capacity to Support Adaptive Management Strategies for Mountain Goats	01-May-20	30-Jul-21	\$47,326.00
NPS	P17AC00606	CSU	Chanp, Joseph	Science Communication through Mass Media	03-Apr-20	31-May-22	\$168,737.00
NPS	P20AC00679	CSU	Collett, Jr., Jeffrey	Effects of excess levels of particulate matter, haze, ozone and nitrogen deposition on resources of six NPS units	01-Aug-20	31-Jan-25	\$244,714.00
NPS	P20AC00521	CSU	Cooper, David	Long term changes in wetland and riparian areas in Rocky Mountain National Park, Colorado	01-Mar-20	31-Dec-21	\$14,986.00
NPS	P20AC00481	CSU	Cooper, David	Hydrologic Monitoring of Reference and Degraded Wetlands in Big Thicket National Preserve	15-Jun-20	31-Dec-22	\$36,557.00

NPS	P17AC01029	CSU	Finchum, Ryan	Rocky Mountain National Park–Colorado State University Undergraduate Student Internship Program	25-Mar-20	02-Mar-22	\$48,921.00
NPS	P18AC01188	CSU	Hand, Jenny	Assistance for Visibility Data Analysis and Image Display Techniques	01-Sep-20	28-Feb-22	\$901,268.00
NPS	P20AC00492	CSU	King, Sarah	Bison Spatial Ecology in Grand Canyon National Park	27-Jan-20	31-Dec-22	\$17,151.00
NPS	P20AC00949	CSU	King, Sarah	Bison Vegetation Ecology in Grand Canyon National Park	03-Aug-20	31-Dec-25	\$47,436.00
NPS	P18AC01243	CSU	Laituri, Melinda	Cooperative Research and GIS Support for Visitor Use Management, Long Range Transportation Planning and Incident Management Training	21-Aug-20	31-Mar-21	\$84,727.00
NPS		CSU	Laituri, Melinda	National Park Service Planning	01-Jul-20	30-Jun-25	\$100,000.00
NPS		CSU	Laituri, Melinda	Supporting States Clean Water Act Integrated Reporting	30-Sep-20	30-Sep-22	\$184,300.00
NPS		CSU	Laituri, Melinda	Provide research, technical assistance and education for resource management and research for Web and Mobile Mapping, Digital Asset Management, Transportation Management, Park Facilities Management and GIS Research and Development	01-Jul-20	30-Jun-21	\$666,664.00
NPS	P20AC00826	CSU	McGrath, Daniel	Survey and analyze ice volume and depth of Teton Glaciers using Ground Penetrating Radar (GPR)	20-Apr-20	31-Dec-22	\$10,922.00
NPS	P18AC00585	CSU	Ray, Chris	Establishing capacity for long-term monitoring of the American Pika, a sentinel species, by citizen scientists in Rocky Mountain National Park	24-Mar-20	31-Dec-21	\$4,277.00
NPS	P20AC00986	CSU	Sanford, William	NPS Groundwater Data Management	01-May-20	30-Sep-21	\$65,000.00
NPS	P20AC00514	CSU	Sibold, Jason	Aspen forest conditions rapid assessment, eastern Rocky Mountain National Park	01-Mar-20	31-Dec-21	\$10,000.00
NPS	P17AC00205	CSU	Spraker, Terry	Technical Assistance to the National Park Service Wildlife Health Team	20-Mar-20	07-Mar-22	\$150,654.00
NPS	P18AC01225	CSU	Stevens, Joe	Applying Sound Science to Identify Adaptation Strategies that Protect Resources and Facilities under Changing Environmental Conditions in National Parks	10-Apr-20	28-Aug-23	\$33,346.00
NPS	P20AC00519	CSU	Sueltenfuss, Jeremy	Assessing riparian conditions aimed at facilitating willow growth and beaver habitat restoration in Rocky Mountain National Park	01-Apr-20	31-Dec-23	\$60,000.00
NPS	P20AC00477	CSU	Sueltenfuss, Jeremy	Restore Degraded Peatlands and Wet Meadows to Enhance Ecological Integrity and Resilience at Florissant Fossil Beds National Monument	01-Jul-20	31-Dec-20	\$239,107.00
NPS	P15AC01655	CSU	Zimmerman, Donald	Web and Social Media Guidance and Support for Natural Resource Topics	01-Apr-20	30-Apr-21	\$21,768.00
NPS		CSU	Zimmerman, Donald	Digital Media Technical Assistance	30-Sep-20	30-Jun-22	\$132,464.00

NPS	20AC00725	CUB	Anderson, Robert	Assess Quaternary Geomorphology and Stratigraphy of Florissant Fossil Beds National Monument	01-Jul-20	31-Jul-22	\$20,000.00
NPS	P20AC00522	CUB	Lawhon, Lydia	Parking Lot Usage in Rocky Mountain National Park	01-May-20	31-May-21	\$15,000.00
NPS	P20AC00703	CUB	Lininger, Katherine	Fremont River Geomorphic Analysis	25-Mar-20	31-Dec-22	\$75,000.00
NPS	P19AC00245	CUD	Arnold, Suzanne	Teacher Ranger Teacher	14-Feb-20	31-Dec-21	\$140,000.00
NPS	P16AC00511	CUD	Moreno, Rafael	Cooperative GIS Internship with the NPS Intermountain Region	06-Apr-20	31-Dec-20	\$5,423.00
NPS	P17AC00659	CUD	Thomas, Deborah	Assist with Air Resources Management Activities and Contribute to Projects that Present NPS Air Resources Information to Park Units and the Public	05-Apr-20	30-Oct-21	\$41,896.00
NPS	P20AC00382	FRCC	Hoover, Jamie	Submerged habitat mapping assistance for national parks – Rocky Mountains CESU	01-Mar-20	31-Dec-24	\$25,000.00
NPS	P20AC00502	MSU	Guy, Christopher	Quantify and Prioritize Lake Trout Spawning Habitat for Suppression	01-Aug-20	31-Dec-23	\$137,130.00
NPS	P20AC00874	MSU	Maxwell, Bruce	Technical and Professional Assistance to the Greater Yellowstone Network, National Park Service	01-Sep-20	31-Aug-25	\$40,000.00
NPS	P20AC00893	MSU	Myers, Madison	Updating the geologic map of Yellowstone National Park to celebrate the park's sesquicentennial and meet 21st century resource management needs	20-May-20	31-Dec-22	\$40,000.00
NPS	P19AC00440	MSU	Olson, Bret	YPP Implement Resource Management Internship Program	30-Mar-20	31-Dec-23	\$33,483.00
NPS	P20AC00981	MSU	Ore, Janet	History Internship – Complete a National Register Nomination for Yellowstone National Park's West Entrance Road	01-May-20	31-Dec-21	\$38,654.00
NPS	P20AC00937	MSU	Sullivan, Jamie	Public Lands Transportation Fellows Program	23-Jul-20	30-Sep-22	\$728,105.00
NPS	P20AC00745	MSU	Zale, Alexander	Evaluation of management actions taken in the Lamar River watershed	01-Aug-20	31-Dec-23	\$137,130.00
NPS	P20AC00773	SKC	Nicolai, Dean	Inventory Archaeological Resources, Gardiner River Geothermal Area, Yellowstone National Park	01-Jul-20	31-May-25	\$36,680.00
NPS	P19AC01232	UMT	Gerloff, Lisa	ROMO CESU Leadership and Administrative Oversight	15-Sep-20	01-Sep-24	\$28,666.00
NPS	P20AC00036	UMT	MacDonald, Douglas	Archeology Program Assistance for Concessioner Facility Improvement Program (CFIP) projects	01-Dec-19	31-Dec-20	\$30,148.00
NPS	P20AC00894	UMT	MacDonald, Douglas	Inventory of Archaeological Resources in Wildland Urban Interface (WUI) Zones, Canyon Subdistrict, YELL	01-Jul-20	01-Sep-22	\$34,750.00

NPS	P20AC00462	UMT	MacDonald, Douglas	Archeology Program Assistance for Business and Commercial Services Division projects	01-May-20	31-Dec-21	\$42,210.00
NPS	P20AC00815	UMT	MacDonald, Douglas	Inventory Archaeological Resources/Evaluate Visitor Impacts, Boiling River Geothermal Area, YELL.	01-Jul-20	31-May-25	\$121,859.00
NPS	P20AC00811	UMT	MacDonald, Douglas	NRHP Testing of Archaeological Sites in Support of FHWA road realignment and reconstruction in the Hayden Valley	01-May-20	30-Apr-23	\$179,200.00
NPS	P20AC00504	UMT	Patterson, Michael	Yellowstone Center for Resources Native American Student Internship Program	22-Apr-20	16-Sep-24	\$7,400.00
NPS	P19AC01224	UMT	Patterson, Michael	Cooperative Programmatic Support for the University Host of the Rocky Mountains Cooperative Ecosystem Studies Unit	15-Aug-20	30-Sep-22	\$30,000.00
NPS	P20AC00638	UMT	Rice, Peter	Vegetation Monitoring Following a Critical Herbicide Trial	01-Jun-20	31-Dec-23	\$26,386.00
NPS	P16AC00970	UMT	Thompson, Jennifer	Visitor use monitoring for Glacier National Park	24-Apr-20	31-Dec-22	\$62,759.00
NPS	P18AC01015	USU	Conner, Mary	An assessment of informal trails and visitor created sites in Rocky Mountain National Park	01-Apr-20	31-Dec-21	\$15,100.00
NPS	P20AC00870	WYU	Albeke, Shannon	Seeps and Springs Focused Conditions Assessment	01-May-20	01-Oct-21	\$44,084.00
NPS	P20AC00549	WYU	Dillon, Michael	UWNPS Research Center Support, 2019-2020	01-Jul-20	31-Dec-23	\$32,500.00
USACE		UMT	Lukacs, Paul	Habitat use and disturbance of nesting Kittlitz's Murrelets at Tin City Long Range Radar Site, Alaska	20-Sep-20	20-Mar-22	\$139,958.00
USFWS	F20AC10653	MSU	Sproles, Eric	River Conditions Tool Geographic Expansion	01-Sep-20	31-Aug-22	\$24,999.00
USFWS	F20AC11441	UMT	Cooley, Hilary	Grizzly Bear Recovery: Implementation, Monitoring, Research, Education and Conservation	30-Sep-20	30-Sep-25	\$470,000.00
USFWS		UMT	Landguth, Erin	Joint Canada-US Analysis of Wolverine Landscape Genetic Data	15-Feb-20	15-May-21	\$58,750.00
USFWS	F20AC00232	UMT	Sexton, Erin	Implementing a scaled landscape conservation design (LCD) in the Crown of the Continent	18-Dec-19	18-Dec-21	\$41,831.00
USFWS		UMT	Vance, Linda	Development and improvement of digital wetlands data for Montana	20-Jul-20	20-Jul-22	\$29,375.00
USFWS		UWY	Mealor, Brian	Enhancing Strategic Invasive Annual Grass Management in the West	30-Sep-20	30-Sep-22	\$150,000.00
USGS	G20AC00322	CSU	Hooten, Mevin	Early Warning Vital Signs in Arctic Network Parklands - Developing Baseline Moss Tissue Concentrations in Bering Land Bridge National Preserve	01-Aug-20	31-Jul-21	\$51,292.00

USGS	G20AC00405	CSU	Hufbauer, Ruth	Understanding Food-Web Connections to Support Ecosystem Resilience and Recovery from Brown Tree Snakes (BTS) Invasion	01-Sep-20	31-Aug-21	\$70,000.00
USGS	G20AC00431	CSU	Kendall, William	Modeling the Effect of White-nose Syndrome Mitigation Decisions on Cave Hibernating Myotis Species	15-Sep-20	14-Jun-21	\$40,258.00
USGS	G20AC00060	CSU	Kendall, William	Modeling and Decision Analysis for Plague in Prairie Dog Colonies	15-Feb-20	14-Feb-21	\$47,000.00
USGS	G20AC00346	CSU	King, Sarah	Ecology of Wild Horses and Burros in the Rocky Mountain Region and western USA	05-Aug-20	04-Aug-21	\$442,580.00
USGS	G20AC00095	CSU	McGrath, Daniel	Resolving Spatial and Temporal Variability of Snow Accumulation in Mountain and Glacier Enironments	09-Mar-20	08-Mar-21	\$20,000.00
USGS	G20AC00388	CSU	Ode, Paul	The Control of Whitetop Mustard and Russian Knapweed by Insect Herbivores: Large-Scale Studies of Herbivory and Distribution	15-Aug-20	15-Jan-21	\$29,546.00
USGS	G20AC00347	CSU	Poff, LeRoy	Assessing Avian Responses to Riparian Restoration in the Colorado River Delta	01-Sep-20	31-Aug-21	\$44,650.00
USGS	G20AC00430	CSU	Poff, LeRoy	Assessing the Functional Responses of Riparian Vegetation to Tamarix Biocontrol	01-Sep-20	31-Aug-21	\$49,350.00
USGS	G20AC00120	CUB	Barger, Nicole	Biological Soil Crust Inoculum Survival and Growth under Field Conditions	15-Apr-20	14-Apr-21	\$50,000.00
USGS	G20AC00465	CUB	Lombardozi, Danica	Using a Multi-Scale Approach to Synthesize Measurements and Models of C4 Photosynthesis	22-Sep-20	30-Sep-22	\$100,000.00
USGS	G20AC00406	MSU	Banner, Katharine	Ecological Statistics to Improve Whitebark Pine Monitoring in the Western U.S.	24-Aug-20	31-May-22	\$76,429.00
USGS	G20AC00008	MSU	Plowright, Raina	Troy Koser proj: Ticks, climate, and moose in the Greater Yellowstone Ecosystem	19-Nov-19	18-Nov-20	\$67,270.00
USGS	G20AC00407	USU	Stoner, David	Investigating Mountain Lion and Wild Horse Ecology Across the West	01-Sep-20	31-Aug-21	\$48,000.00
USGS	G20AC00029	UWAT	Fredy, Brad	Modeling Greater Sage-grouse Population Dynamics in a Multiple-Use Landscape of the Eastern Range	02-Dec-19	01-Dec-20	\$21,000.00
USGS	G20AC00399	WYU	Schumaker, Brant	Environmental Pathways of Chronic Wasting Disease Transmission	17-Aug-20	16-Aug-21	\$45,676.00

\$15,717,748.00