



DEPARTMENT OF THE ARMY
FORT WORTH DISTRICT, CORPS OF ENGINEERS
P.O. BOX 17300
FORT WORTH, TX 76102-0300

**REQUEST FOR STATEMENT OF INTEREST
Number W9126G-22-2-SOI-4258**

***Applicants must be a member in one of the Cooperative Ecosystem Studies Units (CESU):
Great Plains / Great Rivers Regions***

Project Title: Natural & Cultural Resources Support, Ft McCoy

Responses to this Request for Statements of Interest will be used to identify potential investigators for this project. **Approximately \$1,752,680** is expected to be available to support this project for the **base year**. Additional funding may be available for additional tasks and/or follow on work in subsequent fiscal years to the successful Recipient/Awardee.

Background:

The objective of this support is to provide planning, technical, and field assistance to the Department of the Army at Fort McCoy to successfully accomplish natural and cultural resource management activities. Specific services are requested for permit sales support, hunting and trapping season support, watershed, forestry, habitat and population management, vegetation monitoring and treatment, data management, and cultural resource activities that support the Army training mission with natural and cultural resource management goals

Type of Award:

In accordance with the *Sikes Act* (Sec. 103A [16 USC 670c-1]) “the Secretary of a military department may enter into cooperative agreements with States, local governments, Indian Tribes, non-governmental organizations, and individuals” This project is in support of the Integrated Natural Resources Management Plan, as directed in the *Sikes Act*, and as a result, it is anticipated that a cooperative agreement through the CESU program will be awarded. Such awards may be administered through a CESU only upon mutual agreement and official authorization by both parties of the acceptance of the application of the CESU Network IDC rate (17.5%).

NOTE: Must be a non-federal partner in the Cooperative Ecosystem Studies Units (CESU) Program to be qualified to be considered. *In accordance with the 10 USC 670c-1, Sikes Act, projects for the implementation and enforcement of integrated natural resources management plans, priority shall be given to Federal and State agencies having responsibility for the conservation or management of fish or wildlife.*

Brief Description of Anticipated Work:

This research focuses on the following objectives:

“See Attached DRAFT Statement of Objectives”

NOTE: At this time we are only requesting that you demonstrate available qualifications and skills for performing similar or same type of work. You will be evaluated for request for a proposal based on skills and qualifications demonstrated in your SOI.

Period of Performance. The base year of agreement will extend 12 months from date of award. Four 12 month option periods anticipated and each one will be awarded depending on project conditions, needs and available funding. The First Optional Period to begin at the end of the Base Period.

Materials Requested for Statement of Interest/Qualifications:

Please provide the following via e-mail attachments (Maximum length: 2 pages, single-spaced 12 pt. font).

1. Name, Organization, Cage Code, Duns number, and Contact Information (Email)
2. Brief Statement of Qualifications (including):
 - a. Biographical Sketch,
 - b. Relevant past projects and clients with brief descriptions of these projects,
 - c. Staff, faculty or students available to work on this project and their areas of expertise,
 - d. Any brief description of capabilities to successfully complete the project you may wish to add (e.g. equipment, laboratory facilities, greenhouse facilities, field facilities, etc.).

Note: A full study proposal and proposed budget are NOT requested at this time.

Review of Statements Received: All statements of interest received will be evaluated by a board comprised of one or more people at the receiving installation or activity, who will determine which statement(s) best meet the program objectives. Based on a review of the Statements of Interest received, an investigator or investigators will be invited to prepare a full study proposal. Statements will be evaluated based on the investigator’s specific experience and capabilities in areas related to the study requirements.

Please send responses or direct questions to:

Sandy Justman
Grants Specialist
USACE, Fort Worth District
Email: Sandra.justman@usace.army.mil
Office: 817-886-1073

Kathy Mitchell
Project Manager
Regional Planning & Environmental Center
Email: kathy.s.mitchell@usace.army.mil
Office: 817-886-1709

Timeline for Review of Statements of Interest: RSOI's required to be posted on www.Grants.gov for 30 days, prior to the Government making a decision and requesting full proposals. Responses are due by 5:00 P.M., Central Time, on **17 AUG 2022**.

[End of RSOI]

[See attached DRAFT SOO]

STATEMENT OF OBJECTIVES FOR NATURAL AND CULTURAL RESOURCE MANAGEMENT SERVICES AT FORT MCCOY, WISCONSIN

1.0 INTRODUCTION

1.1 The Fort McCoy Natural and Cultural Resources Program ensures military mission activities are conducted in compliance with all applicable environmental laws, regulations and policies. Article I B of the master agreement states the objectives of the Cooperative Ecosystem Study Unit (CESU) National Network are to: provide research, technical assistance and education to federal land management, environmental and research agencies and their potential partners; develop a program of research, technical assistance and education that involves the biological, physical, social, and environmental sciences needed to address resource issues and interdisciplinary problem-solving at multiple scales and in an ecosystem context at the local, regional, and national level; and place special emphasis on the working collaboration among federal agencies and universities and their related partner institutions.

1.2 This work requires onsite support persons and vehicles located at Fort McCoy, Wisconsin. The work will include services to support hunting, trapping, fishing and firewood sales programs, watershed management, wildlife population and habitat manipulation, forest management, cultural resource management, endangered species management, and invasive species control to comply with federal and state laws/regulations, DOD instructions, and Army regulations that pertain to natural and cultural resource management. The technical tasks and activities must be completed in a manner conducive to guidelines associated with Army Regulation (AR) 200-1, Endangered Species Act (ESA), Clean Water Act (CWA), Migratory Bird Treaty Act (MBTA), 16 USC 670a and 670b et seq., 7 U.S.C. 2801 et seq., Executive Order (EO) 13112 (Invasive Species), EO 11990 (Wetlands), EO 13186 (Migratory Birds), Army Policy for Management and Control of Invasive Species, Department of Defense Directive (DODD) 4715.1E (Environment, Safety, and Occupational Health), DOD Instruction (DODI) 4715.03 (Natural Resources Conservation), Integrated Natural Resources Management Plan (INRMP), Integrated Wildland Fire Management Plan (IWFMP), Sikes Act, National Historic Preservation Act (NHPA); American Indian Religious Freedom Act (AIRFA) and Executive Order EO 13007; Native American Graves Protection and Repatriation Act (NAGPRA); Archeological Resources Protection Act (ARPA), 36 CFR 79; and the Installation Cultural Resources Management Plan in order to support military training and sustainment of the military mission. Services will support Army environmental stewardship requirements to assess, enhance, improve, and restore Installation land. Fort McCoy manages 60,000- acres of public land along with leased federal and state properties as outlined in Fort McCoy's INRMP.

2.0 AUTHORITY

2.1 This cooperative agreement will be awarded using the authority of 16 U.S.C. § 670(c) (1) – (SIKES ACT).

In agreement with the above stated goals, the recipient agrees to provide the necessary personnel, equipment, and materials required to implement, activities to support the installation's commitment toward environmental stewardship to manage natural and cultural resources in a responsible way that has the least impact on military missions and is beneficial to the region. In addition, the activities performed by the recipient must be completed in a manner conducive to guidelines outlined in the Endangered Species Act (16 USC 1531 et seq.), the Migratory Bird Treaty Act (16 USC 1361 et seq.), National Historic Preservation Act (54 U.S.C. 300101 et seq.), Native American Graves Protection and Repatriation Act (25 U.S.C. 3001 et seq.), the Archaeological Resources Protection Act (16 U.S.C. 470 et seq.), the National Environmental Policy Act (42 U.S.C. 4321 et seq.), applicable implementing regulations, Army Regulations 200-1, and any other applicable regulatory guidelines.

2.2 In accordance with section 6305 – *Using cooperative agreements of the Federal Grant and Cooperative Agreements Act of 1977* (31 U.S.C. § 6301 et seq.), all CESU projects must carry out a public purpose of support or stimulation, instead of acquiring goods or services for the exclusive direct benefit of the United States Government. Examples of carrying out a public purpose may include, but are not limited to, the following:

- Project results are made available to a wide audience (including nonfederal entities)
- Project results/outputs add to the scientific literature/knowledge base, with applicability and utility beyond the scope of the project footprint/study area
- Academic and other nonfederal partner institutions (and their personnel) gain professional experience, increase knowledge, and develop skills and abilities
- Students benefit from direct interaction with federal scientists, program and technical staff, and field unit managers

2.3 In accordance with section 6305 – *Using cooperative agreements of the Federal Grant and Cooperative Agreements Act of 1977* (31 U.S.C. § 6301 et seq.), substantial involvement is expected between the Department of Defense and the recipient when carrying out the activity contemplated by the cooperative agreement. The DoD agrees to participate at a national level in support of the CESU program as accepted in the Master MOU for the establishment and continuation of the CESU program Article II 1-4 and Article VI 1-7.

The installation further (hence DoD) agrees to provide substantial involvement as directed under the appropriate master agreement to include, but are not limited to, the following:

- FAPH is involved in development of study methodology, data gathering, analysis, and/or report writing
- FAPH actively participates and collaborates in carrying out the project plan of work, reviews and approves activities, helps train or select project staff or trainees
- FAPH incurs in-kind or direct expenditures in carrying out the activities specified in the project agreement, specifically:
 - Provision of vehicles and equipment (limited)
 - Provision of computing services (limited)
 - Provision of staff time to work on the project

3.0 OBJECTIVES

The objective of this support is to provide planning, technical, and field assistance to the Department of the Army at Fort McCoy to successfully accomplish natural and cultural resource management activities. Specific services are requested for permit sales support, hunting and trapping season support, watershed, forestry, habitat and population management, vegetation monitoring and treatment, data management, and cultural resource activities that support the Army training mission with natural and cultural resource management goals.

Tasks will be conducted in coordination and consultation with the designated program area Government Point of Contact (GPOC).

4.0 SERVICES

Natural and cultural resource support must be conducted following established protocols and guidelines. The Fort McCoy Natural Resource Branch (NRB) will assist with overall government oversight of the CESU agreement, who provide services on Fort McCoy. Standards shall be applied to ensure documentation of natural and cultural resource support is recorded accurately and in computer software format beneficial to Fort McCoy. CESU cooperators shall also identify methods to improve Fort McCoy's processes or protocols to save money or best demonstrate the Army's stewardship to land and water.

These efforts necessitate non-personal services on-site to support natural and cultural resource management at Fort McCoy, Wisconsin. Cooperators shall complete tasks and processes in compliance with all state and federal regulations and obtain all required certifications and licenses in accordance with established laws, regulations and DOD guidance and obtain all required certifications and licenses necessary to perform tasks.

4.1 WILDLIFE AND ECOSYSTEM MANAGEMENT:

4.1 A - Core Task: Customer Service:

Provide specialized staff to support customer service and administrative needs for the Natural Resources Branch (NRB) programs. Support regulations reviews, conduct permit quota application processes, utilize web application software, provide direct customer service interactions to answer questions/assist customers on program details, develop and provide information to communicate program details or instructions for customers, agencies, or Fort McCoy Directorates. Implement the sale of firewood, hunting, trapping and fishing permits. Coordinate with Wisconsin Department of Natural Resources (WDNR) as needed. Provide reports as requested by the GPOC and handle permit sales' revenue deposits.

4.1 B - Core Task: Wildlife Management:

Provide specialized staff for wildlife and game species management support to include wildlife population analysis, hunting and trapping season implementation and data collection, game harvest reporting, regulation and map updates and reviewing. Provide staffing for gun deer, youth deer hunt, and disabled deer hunt data collection and Chronic Wasting Disease (CWD) testing. Provide field assistance to disabled hunters as needed. Generate game harvest reports and summaries (estimated 7 final harvest and 1 after action report). Plan and conduct wildlife population surveys for predators, gamebirds and whitetail deer. Conduct up

to 30 deer dusk and spotlight surveys, up to 5 predator track surveys, up to five summer wolf howling surveys, and up to 10 grouse drumming surveys. Hand out and collect monthly truck book survey data sheets for whitetail deer, gamebirds and predators (up to 50 - 100 survey data sheets). Assist with wildlife management support as directed by GPOC, in accordance with the Fort McCoy INRMP to support the military mission. Review and recommend changes to Fort McCoy Regulation 420-29. Review and update public information and education literature.

4.1 C - Core Task: Ecosystem Support:

Provide specialized staff for ecosystem management support. Propose project areas to GPOC for approval and submit approved projects through the National Environmental Policy Act (NEPA) review process. Provide State Natural Area support through annual assessments, surveys and project execution. Provide annual State Natural Area report for 2 State Natural Areas existing on Fort McCoy. Coordinate with appropriate NRB personnel to plan habitat management objectives. Conduct habitat assessments (estimated 600-800 acres) and management recommendations to GPOC as requested. Provide updates and data on all work completed. Conduct habitat enhancement projects (estimated 50-75 acres) to include but not limited to oak brush and white pine removal, wetland successional management, apple tree release.

4.1 D - Core Task: Prescribed Burning:

Provide specialized staff based on the size of prescribed area boundaries to assist Fort McCoy with ecosystem and wildfire fuel reduction prescribed fire management (estimated up to 7,000 acres) IAW NWCG standards for Firefighter Type 2 (FF2), Firefighter Type 1 (FF1), and Firing Boss (FIRB) certifications. At a minimum, personnel with two of the three certifications (or two personnel with certifications above FF2) are to be present per burn day. Assist in planning and execution of prescribed fire units and provide recommendations for ecological and invasive species management prescribed fire units. GPOC-approved units will then be submitted through the NEPA review process. Final ecosystem prescribed fire plans will be determined through coordination with Fort McCoy Natural Resource Branch, Fire Department and Integrated Training Area Management (ITAM).

4.1 E - Core Task: Invasive Species Management:

Provide specialized staff for invasive species management support. Maintain databases and generate treatment, survey and population data as requested by GPOC. Provide monthly and annual reports and updates to GPOC. Provide herbicide use reports in accordance with Fort McCoy regulation. Conduct herbaceous and woody invasive species treatments in priority areas approved by the GPOC (estimated 800 - 1,000 acres). Conduct woody and herbaceous invasive species surveys in priority areas approved by the GPOC (estimated 400 – 600 acres). Conduct biological control insect monitoring, collections and releases (estimated 10 - 15 combined effort). Support the Geologic Information System (GIS) Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE) annual updates and coordinate with GIS staff on species treatment/survey/population layer updates. Provide recommendations for priority management areas as requested. Coordinate with GPOC on NEPA projects and help assist with research efforts and projects. Review and update public information and education literature.

4.1F - Core Task: Endangered Species Management:

Provide specialized staff for endangered species management support. Assist GPOC with

the monitoring and assessment of rare species populations and associated habitats. Provide rare species surveys and data collection (estimated 200 rare Lepidoptera and insect surveys, up to 40 bumble bee surveys, up to 10 reptile surveys, track up to 10 individual reptiles using telemetry equipment). Conduct bald eagle nest monitoring for up to five nesting locations. Generate two reports for the GPOC, one summarizing all Federal Endangered Species Field Activities and a second summarizing surveys and management activities conducted for State Threatened and Endangered species on Fort McCoy lands and leased lands. Coordinate with GIS staff as needed to maintain and updated SDSFIE rare species occurrence records by tracking survey and monitoring activities.

4.2 WATERSHED MANAGEMENT:

4.2 A - Core Task: Watershed Management - Stream Studies

Up to 20 established stream habitat and biomonitoring sites will be assessed annually and within two weeks of the date on which they were assessed the prior year. Data collected will be entered in existing databases, analyzed, compared to historical data, and summarized using narration, tables, and graphs and used to determine stream and fish health. Monitor trout reproduction during the fall spawning season in order to maintain a database of known areas of critical spawning habitat. Summaries, significant findings and recommendations will be presented in an annual watershed management report and provided to the GPOC in an acceptable electronic format.

4.2 B - Core Task: Lake Studies

Up to four Fort McCoy lakes will be surveyed on a rotational basis using trap nets, electro-shocking equipment and/or hook and line. In accordance with established procedures fish collected will be measured, marked, and aged. Data will be collected in accordance with American Fisheries Society or Wisconsin procedures, methods and equipment identified. Up to four lake aquatic vegetation surveys will be conducted during the peak of the growing season and any new or exotic/invasive species will be reported to the GPOC. All data collected will be entered into existing databases, analyzed, compared to historical data, and summarized using narration, tables, and graphs. Summaries and recommendations will be presented in an annual watershed management report and provided to the GPOC in an acceptable electronic format.

4.2 C - Core Task: Water Quality

Assessment of streams and drainages will be conducted using a combination of in-stream temperature loggers and water quality sondes, up to 25 devices. Personnel will collaborate with the U.S. Geological Survey (USGS) point of contact on a regular basis on the maintenance and operation of four USGS/Fort McCoy gage stations. Collect water quality characteristics during base flow and runoff events, with no water samples being collected or analyzed by a laboratory. Lake conditions will be monitored monthly through the collection of water quality and transparency measurements.

4.2 D - Core Task: Sediment Management

Location of significant stream bank erosion or other impairments will be documented and reported to GPOC. Established sediment trap locations will be monitored and reported to the GPOC when in need of excavation. Lake and pond bathymetry will be conducted to determine sediment accumulation and retention time at up to 1 location per year.

4.2 E - Core Task: Fishing Seasons

Biologists will collaborate with the GPOC, Directorate of Family and Morale, Welfare and Recreation (DFMWR), Installation law enforcement, WDNR, and U.S. Fish & Wildlife Service (FWS) as needed to ensure quality fishing opportunities are available IAW the INRMP, EO 13112 and AR 200-1. Review and recommend changes to Fort McCoy Regulation 420-29. Public information and education literature at the lakes and recreational areas will be maintained to ensure all posted information is in a legible and in a clear format. Public affairs initiatives will be supported with biologists as needed by the watershed management initiatives.

Roving and stationary creel surveys will be conducted on Fort McCoy with up to 30 creel surveys per year. In addition, anglers who report fish with tag information will be provided with the life history specific to that fish. The results of the creel survey will be used to identify fish harvest, angler effort and other metrics. Data collected will be entered into existing databases, analyzed, compared to historical data, and summarized using narration, tables, and graphs. Summaries and recommendations will be presented in an annual watershed management report and provided to the GPOC in an acceptable electronic format.

4.2F - Core Task: Habitat Improvements

Watershed habitat improvements will be identified, and a project design or proposal submitted to the GPOC. Projects selected for improvements will be evaluated using the NEPA process prior to implementation of the proposed project. Habitat restoration/enhancement projects on Fort McCoy lakes and impoundments could include but not limited to water level management, maintaining water circulation devices, shoreline habitat enhancement, etc. Stream and river restoration/enhancement could include but not limited to removal of beaver dams, stream bank de-brushing and installation of brush bundles to stabilize stream banks. Levels of effort to support these improvements can only be determine once a project has been selected. Efforts to remove Eurasian watermilfoil will be conducted in two water bodies with up to two dives per year.

4.3 CULTURAL RESOURCE MANAGEMENT

4.3 A - Core Task: Cultural Resource Management (CRM):

Provide Sectary of Interior Qualified archaeologist [(See CFR 800(2)(a)(1)] to fill the role of project program manager. In collaboration with the GPOC, the archaeologist will complete Fort McCoy cultural resources project tasks. Annual tasks include: response to information requests (at least 40), curation services (as needed), develop up to five site plans for mitigation, protection, rehabilitation, and/or preservation, facilitate archaeological site inspections (at least 50), implement up to 13 Cultural Resources program related public outreach activities representing Fort McCoy, conduct up to five inadvertent discovery investigations, and perform other duties agreed upon through coordination with the GPOC.

OPTIONAL TASKS

Optional Task 1: Wildlife Management/Ecosystem Support:

Conduct habitat assessments (estimated 200-400 acres) and management recommendations to GPOC as requested. Conduct habitat management projects to restore natural communities and maintain suitable habitat for game species use (estimated 50-75

acres and estimated 10-15 apple tree releases). Provide additional staffing for gun deer and disabled deer hunt registration, disabled deer hunter assistance, CWD testing and data collection. Provide artificial nesting structure support including wood duck nest box checks, nest box construction (wood duck, bluebird, bats, etc.), and nest box location maps (up to 40 nest boxes).

Optional Task 2: Invasive Species Management:

Provide specialized staff to conduct invasive plant treatments and surveys in areas selected by the GPOC. Conduct invasive treatments on an estimated 4,500 -5,000 acres, conduct invasive surveys on an estimated 2,000 - 2,500 acres, and conduct biological control monitoring, collections, releases at an estimated 10 – 15 sites.

Optional Task 3: Seasonal Watershed Management Projects:

Conduct stream studies at an additional 48 stream sites to determine stream and fish health. Survey an additional 6 lakes for aquatic vegetation during the peak of the growing season. Deployment, monitoring and reporting of an additional 13 remote water quality devices. Conduct up to an additional 75 creel surveys throughout the year to best determine harvest rates and angler effort along with providing a valuable public interaction. Aquatic habitat improvements will be supported with up to 250 feet of stream bank restoration. Additional effort will be applied toward Eurasian watermilfoil removal in attempts to eradicate this species. Manage and maintain watershed data files and digital database, provide results, graphs and tables in the annual Watershed Report.

Optional Task 4: Additional Archaeological Program Support:

Provide on-site archaeologists to assist the GPOC/CRM with coordination of ARPA site inspections (annual and bi-annual), conduct inadvertent discovery inspections as needed, assist with public outreach events and publications, and other duties such as GIS analyses, report and report figure preparation, and documentary research.

- **Data Compilation:** All data collected during field activities will be recorded in a manner appropriate to the type of project and the findings of those projects. Activities will be recorded through appropriate note taking, scientific forms, photography and appropriate mapping methods, including GPS and sketch maps.
- **Curation:** Laboratory analysis of collected archaeological materials will be conducted, documented, labeled, and packaged according to the standards and guidelines set forth in 36 CFR Part 79 and the Guidelines for Public Archaeology in Wisconsin by the collaborator.
- **Analyses:** Specialized analyses of materials which cannot be performed in house (i.e., radiocarbon dating of charcoal samples) and are deemed necessary and appropriate by the GPOC shall be furnished by the collaborator.

Optional Task 5: Geographical Information System Support:

Provide specialized staff to support the Environmental Division (ED) utilizing government furnished computer equipment to integrate training mission, compliance, natural and cultural resource data layers. Basic to intermediate support for troubleshooting, set up, management, and acquisition of GIS and Global Positioning System (GPS) hardware and software with efficient use of ESRI tools/extensions. Assist with transfer of GIS and field data between CESU cooperator hardware and government computer systems. Support Arc Portal use and initiatives. Provide expertise to efficiently analyze and manipulate GIS data to provide tabular and graphical results to influence management decisions and show results or trends. Periodically, update and edit, new and historic DPW/ED data files, metadata, and apply

analyzed data to integrate programs, develop land unit rankings to prioritize management objectives for Army Compatible Use Buffer (ACUB) program and training mission sustainability. GIS projects are completed IAW Quality Assurance Plan (QAP) and SDSFIE Standards.

Optional Task 6: Threatened and Endangered Species Management:

Provide specialized staff to conduct Karner Blue Butterfly (KBB) Surveys and monitoring activities on Fort McCoy and leased lands. Conduct annual wild lupine mapping surveys on an estimated 5,000-6,500 acres using established protocols. Conduct annual KBB presence/absence surveys in areas identified by GPOC. Conduct KBB transect surveys and assist with the monitoring of rare Lepidoptera species. Collect data for all count surveys. Provide data analysis for KBB population surveys and vegetation monitoring of KBB management areas.

Conduct rare or non-game species surveys as requested by GPOC, typically:
Avian Point Counts: Provide specialized staff to coordinate with GPOC on establishing avian point count locations and number of sites. Conduct avian point counts to characterize the avian community during the breeding season. Locations and total points must be determined by GPOC and are estimated at 40 points.

North American Bat (NABat) Surveys: Provide specialized staff to conduct a total of two NABat surveys for South Post and North Post according to the NABat protocol laid out by the USGS. Surveys will consist of two mobile survey routes, two south post and two north post stationary surveys. NABat surveys to determine bat population and species which will be laid out in a report. Site selection will be coordinated with the GPOC. Collect, analyze and report data findings.

Optional Task 7: Water Sample Analysis:

In accordance with guidelines and recommendations within the Fort McCoy INRMP, collect and submit at least 25 water samples from USGS gage stations, run off events and base flow for analysis along with samples from Fort McCoy lakes to help monitor the trophic state of Fort McCoy lakes. Water samples are analyzed following standards of a certified Wisconsin lab.

Optional Task 8: Aquatic Macroinvertebrate Analysis:

Samples from 32 pre-established monitoring sites will be sorted and macroinvertebrates will be identified to establish macroinvertebrate community-based index of Biotic Integrity scores (M-IBI, HBI and FBI).

Optional Task 9: Forest Management:

The services performed will meet the requirements to assess, enhance, improve and restore installation land with primary focus on forest inventory data gathering, urban forest inventory data gathering, reforestation to include preparing and planting tree seedlings, and assisting forestry staff with marking trees for intermediate harvests. Provide urban tree and forest inventory reports as required to meet project conditions and not to exceed \$92,000 annually.

Optional Task 10: Archaeological Monitoring, Surveying, and Evaluation:

Activities associated with this task include archaeological site monitoring, archaeological survey, site evaluation/testing, and archaeological data recovery/mitigation as needed, as

well as background documentary research and laboratory processing of artifacts collected in the course of the aforementioned activities. Provide services to conduct archaeological monitoring, archaeological survey, and archaeological site evaluations (Phase II) of identified archaeological sites as needed at Fort McCoy.

Site Monitoring: Provide specialized staff to monitor (up to 10) ongoing federal undertakings, including conduct site construction monitoring and miscellaneous impact monitoring (logging, training, etc.) for previously identified archaeological sites

Area Survey: Provide all necessary labor, supplies, vehicles, and equipment to conduct up to 200 acres of archaeological survey (Phase I) of selected areas specified by the GPOC at Fort McCoy.

Site Evaluation: Provide all necessary labor, supplies, vehicles, and equipment to conduct (no less than 2) Phase II NRHP site evaluations of selected sites. Site evaluation will focus on determining the vertical and horizontal extent of a cultural deposit as well as evaluating the site against National Register of Historic Places (NRHP) criteria to recommend with confidence the best practices for future stewardship. Investigations will comply with the standards of professional practice as outlined by the Guidelines for Public Archaeology in Wisconsin and include documentary records research, excavation, and integrity assessment, as appropriate, to determine whether an archaeological site or historic structure should be considered eligible.

Optional Task 11: Determination of Trout Seasonal Movements and Critical Habitat:

Utilize telemetry and/or electronic tag (passive integrated transponders – “PIT tags”) methods and procedures suitable to assess brook and brown trout seasonal diel movements to determine critical habitat, fish movements and utilization of spawning and overwintering habitats within the upper La Crosse River tributaries (approximately 15 Sep - 30 Dec). GPOC collaboration required for site specific placement of data recording stations and capabilities for grid electric use.

Optional Task 12: Fort McCoy Integrated Wildland Fire Management Plan:

Complete tasks to develop an Integrated Wildland Fire Management Plan (IWFMP) IAW the Army Wildland Fire Policy Guidance dated March 15, 2021; AR 200-1; DODI 6055.06; and AR-420-1. Reference Appendix G for additional details.

5.0 QUALIFICATIONS: The Principal Investigators/Field Directors must have a PhD or master’s degree in a field related to Natural and Cultural Resources fields. Key technical team disciplines must demonstrate appropriate education and relevant experience in order to support Natural and Cultural Resources. In addition, the agency must demonstrate relevant experience with current or past projects to demonstrate technical capabilities for successfully meeting project objectives.

6.0 PERIOD OF PERFORMANCE

- Base Period - will be 12 months from date of award
- Optional Periods – Four 12-month option periods are anticipated and will be awarded based on project conditions and available funding. First one starts at the end of the Base Period.
- Optional Tasks – Each of the 12 optional task will be 12 months from the date of award and each one may be awarded once during each period of performance based on project conditions and needs.

6.0 GOVERNMENT POINTS OF CONTACT (GPOC)

- USACE POC:

Kathy Mitchell, Environmental Agreements PM/Biologist, Regional Planning and Environmental Center, ATTN: CESWF-RPEC-CI, 819 Taylor Street, Rm #3A12, Fort Worth, Texas 76103-0300. (817) 886-1709.

- Endangered Species/Invasive Species Management:

Jessup W. Weichelt. Endangered Species Biologist, Natural Resources Branch, Directorate of Public Works, ATTN: AMIM-MCP-EN, 2171 South 8th Avenue, Fort McCoy, Wisconsin 54656-5136. (608) 388-4793.

- Wildlife Management/Permit Sales:

David J. Beckmann. Wildlife Biologist, Natural Resources Branch, Directorate of Public Works, ATTN: AMIM-MCP-EN, 2171 South 8th Avenue, Fort McCoy, Wisconsin 54656-5136. (608) 388-5374.

- Watershed Management:

John D. Noble, Jr. Fishery Biologist, Natural Resources Branch, Directorate of Public Works, ATTN: AMIM-MCP-EN, 2171 South 8th Avenue, Fort McCoy, Wisconsin 54656-5136. (608) 388-5796.

- Cultural Resource Management:

Ryan J. Howell. Archaeologist, Natural Resources Branch, Directorate of Public Works, ATTN: AMIM-MCP-EN, 2171 South 8th Avenue, Fort McCoy, Wisconsin 54656-5136. (608) 388-8214.

- Forestry:

Charles E. Mentzel. Forester, Natural Resources Branch, Directorate of Public Works, ATTN: AMIM-MCP-EN, 2171 South 8th Avenue, Fort McCoy, Wisconsin 54656-5136. (608) 388-5584.

- Chief, Natural Resources Branch :

Timothy T. Wilder. Chief, Natural Resources Branch, Directorate of Public Works, ATTN: AMIM-MCP-EN, 2171 South 8th Avenue, Fort McCoy, Wisconsin 54656-5136. (608) 388-5679.

7.0 DELIVERABLES FOR CORE TASKS

General:

- Curriculum Vitae (experience, certifications, licenses, and training for each employee).
- Security background check, antiterrorism training, information assurance training, etc. listed under paragraph 3.1.1.5.
- All reports will be submitted in hard copy and electronic format using Microsoft Office software.

Wildlife and Ecosystem Management

- Permit sales report, as needed.
- Assist with providing/printing publications or informative literature for customer use as requested by GPOC.
- Revenue collection and deposit report weekly (DD Form 1131).
- Quota hunt selection spreadsheet, as needed.

- Annual permit sales after action report NLT 15 March annually.
- Updated Fort McCoy Hunting, Fishing and Trapping regulation NLT 1 February.
- Annual summary of each hunting and trapping season NLT one (1) month after the completion of each season.
- Archery deer registration report bi-weekly during the season.
- Gun-deer registration report NLT the third (3rd) day of season and one (1) day after the season close.
- Deer aging report NLT one (1) day after the close of the Gun-Deer season.
- Update deer database NLT one (1) week after the season close.
- Turkey registrations report bi-weekly during the season.
- Wildlife and zoonotic disease report, as needed.
- Wildlife conflict report, as needed.
- Wildlife survey data and summary, as needed.
- Provide habitat management recommendations developed from habitat assessments to GPOC as requested.
- Provide report summarizing habitat management work completed to the GPOC as requested.
- Provide staff certifications, qualifications to meet one of the following NWCG standards for Firefighter Type 2 (FF2), Firefighter Type 1 (FF1), and Firing Boss (FIRB).
- Provide draft burn plans NLT 1 March for areas recommended for burning by CESU cooperators that do not already have a burn plan completed.
- Annual Natural Areas report NLT 30 October.
- Invasive plant treatment data to include data and maps (Monthly).
- Invasive plant survey data to include data and maps (Monthly).
- Biological control monitoring, release and collection data to include data and maps (1 Oct).
- Provide proposed roadside treatment area maps to GPOC as requested.
- Monthly Invasive Species Management Summary NLT 7th day of the month following the reporting month.
- Annual Invasive Species Field Activity Summary NLT 1 February annually.
- Annual INRMP updates NLT 1 January annually.
- Annual update of Invasive Species Management Plan NLT 1 April annually.
- Herbicide Use Report to DPW Pest Control manager NLT the 4th day of each month.
- Provide data for the quarterly Installation Status Report upon request.
- KBB Summary of Field Activities report will be submitted to the GPOC by 1 March annually. The report will include but is not limited to summaries of the following: straight-line-transect surveys; presence/absence surveys; habitat mapping; habitat monitoring; habitat management; and the Awareness Training Program.
- A report summarizing surveys and management activities conducted for State and Federal Threatened and Endangered Species as well as species of concern will be submitted to the GPOC by 1 February annually. This report also includes a summary of occurrence records. The reporting period for this summary is January - December annually.
- A summary of bumble bee surveys will be provided by 1 November. The summary will include a species list and map showing all survey locations as well as observation locations by species. A shapefile(s) will also be provided showing survey and observation locations.

- Completed track survey data forms and wolf howl survey forms will be provided to the GPOC within 2 working days after completion of a survey.
- Prior to operating government furnished property, provide signed OF346 forms to GPOC.
- Maintain and updated SDSFIE data sets associated with wildlife and ecosystem studies.

Watershed Management Support

- Scientific Collectors Permit Application as required by WDNR.
- Scientific Collectors Permit Summary Report by January 10 annually.
- Annually report the recreational angling fish harvest and recreational user trends as compared to historic annually summarized reports.
- Provide summarized station data findings monthly. Provide the analyzed chemical, physical and biological results to make stream or lake management study inferences quarterly. Provide after-action report for studies to include summary of findings, determined factors limiting water quality that are important for aquatic life and provide written solutions or action steps to correct watershed problems. Submit annual report study summaries, after action reports and/or results to include management recommendation within the annual Watershed Report (up to 12 stream and 5 lake studies) by 1 March annually.
- Report fishery study trends for selected fish (i.e., trout, walleye, bass, bluegill, sucker, etc.). These studies include, but are not limited to fish health, genetics, age and growth, stocking or fish movement by 1 March annually.
- Prepare letters to notify anglers with tag return information and provide fish life history specific for the tag number provided within 45-days of angler reporting (up to 35 annually).
- Provide annual stream red report; with location(s), trout species present, quantity(ies), and microhabitat characteristic(s) (up to 7 streams) by 1 March annually .
- Report annual water quality findings from remote sensing devices (up to 38 devices) for water characteristics (thermal, flow, oxygen, turbidity, etc.) by 1 March annually
- Annually report stream observations, stream specific macro invertebrate identification of organisms, summarizing the invert communities once per agreement term to determine water quality ratings IAW Hilsenhoff (1983).
- Submit project design or proposals to the GPOC for lake and stream restoration using the NEPA application process to enhance watersheds to include but not limited to woody debris, brush bundles, riprap, lunkers, etc.
- Provide lake or stream study treatment recommendations, i.e., water level, water aeration, invasive plants, sediment removal or similar treatment plans for future management and implementation (up to 4 locations).
- Provide INRMP accomplishments NLT 31 January annually or as required for higher headquarter reporting.
- Provide water quality laboratory documentation for State of Wisconsin certification.
- Maintain and updated SDSFIE data sets associated with watershed studies.

Cultural Resource Management

- Prepare ARPA monitoring report on at least 50 sites annually to be accompanied by a summary for each site inspected which will serve as a living document that tracks changes in the conditions of individual sites over time. This report will be due annually on March 31 of the year following fieldwork.
- Prepare up to 5 archaeological site protection and preservation plans annually.

- Prepare Annual Project Report –This Annual Report of Findings will summarize the results of investigations with recommendations for site protection, preservation, or mitigation. At a minimum, the report will contain an introduction section, summary of curation and artifact finds, and one section for each sub-Task identified in the proposal. For each sub-Task, the report will summarize work accomplished for the sub-Task. Fort McCoy POC staff will review and provide comments, if any, within fifteen (15) calendar days after receipt. This report will be due annually on April 31 of the year following fieldwork.
- Maintain and updated SDSFIE data sets associated with cultural resource management studies.

8.0 DELIVERABLES for OPTIONAL TASKS

Optional Task 1: Wildlife Management/Ecosystem

- Provide habitat management recommendations developed from habitat assessments completed and include with Core task deliverable.
- Provide report summarizing habitat management work completed and include with Core Task deliverable.
- Provide summary of nest box program to GPOC as requested.

Optional Task 2: Invasive Species Field Projects:

- Include additional invasive plant treatments to include data and maps that can be utilized to update GIS data sets for NRB and Pest Management with what is reported for Core Task deliverables. (Monthly).
- Include additional invasive plant surveys to include data and maps that can be utilized to update GIS data sets for NRB and Pest Management with what is reported for the Core Task deliverables. (Monthly).
Include additional biological control monitoring, release, and collection data to include data and maps with what is reported for the Core Task deliverables. (1 Oct).

Optional Task 3: Seasonal Watershed Management Projects:

- Data summaries and results are applied within the required monthly and annual watershed reports.

Optional Task 4: Additional Archaeological Program Support:

- Field Project Report- Provide at least one project based report documenting Phase I area surveys and Phase II site evaluations, inadvertent discovery inspections, archaeological site monitoring, and site evaluation/testing as needed. This report will be submitted no later than 6-month after the conclusion of the field project.

Optional Task 5: Geographical Information System Support:

- Provide SDSFIE Annual Updates by 1 March.
- Provide digital/paper outputs for ACUB and Environmental Division as requested by GPOC.

Optional Task 6: Threatened and Endangered Species Management:

- A shapefile documenting the start and end points of all transects within the 10 KBB randomly selected survey sites will be provided to the GPOC by May 20.
- KBB transect survey data will be provided to the GPOC on the first working day of the week for surveys completed the week previous.

- KBB straight-line transect survey data will be entered into an Excel Spreadsheet (spreadsheet format will be provided by GPOC). Data must be entered and submitted to the GPOC by September 1 in 2024, 2026.
- A report on the analysis of the KBB straight-line transect survey data (Distance Monitoring) will be submitted to the GPOC by January 15 in 2023, 2025, and 2027.
- KBB habitat monitoring data will be entered into an Excel Spreadsheet (spreadsheet format will be provided by the GPOC). Data must be entered and submitted to the GPOC by September 1 in 2024, and 2026.
- A report on the analysis of KBB habitat monitoring data to include methods used and a discussion of results must be submitted to the GPOC by December 1 2024, and 2026.
- Provide weekly updates showing mapped lupine areas to the GPOC on the status of mapped training areas in either GIS shapefile or PDF format.
- Provide a master GIS shapefile showing all current field season mapped lupine shall be provided to the GPOC by August 15 annually.
- A summary of avian point count survey will be provided by 1 September. A shapefile will also be provided that identifies the number of each species detected at each point count location by date detected.
- A summary of Bat surveys will be provided by 1 November. The summary will include a species list and map showing all survey locations as well as observation locations by species.

Optional Task 7: Water Sample Analysis:

- Submit laboratory results to GPOC within 7 days of obtaining results. Incorporate site specific data for samples collected with analyzed results summarized in annual watershed reports.

Optional Task 8: Aquatic Macroinvertebrate Analysis:

- Provide a report to the GPOC identifying stream water quality trends. The report will include a site specific listing of macroinvertebrates collected and compares calculated water quality ratings to historical results.

Optional Task 9: Forest Management:

- Summary of urban tree or forest inventory areas will be provided to GPOC as requested.

Optional Task 10: Archaeological Monitoring, Surveying, Evaluation, and Mitigation

- Project Reports: Provide a Report of Findings for each project to the satisfaction of the GPOC. The report will include the results of findings, data compiled, site eligibility determination and any recommendations for boundary limits, cultural period identification, and preservation or site stabilization. These reports can be limited to individual activities, or any combination of activities conducted during the field season. These reports will be submitted no later than 6-month after the conclusion of the associated project.

Optional Task 11: Determination of Trout Seasonal Movements and Critical Habitat:

- Data summaries and results are applied within the annual watershed reports.

Optional Task 12: Fort McCoy Integrated Wildland Fire Management Plan:

- Submit two (2) plan drafts to the GPOC NLT 15 May 2023 and 15 September 2023, respectively: and one (1) final Integrated Wildland Fire Management Plan (IWFMP) document by 31 December 2023.
- Provide a “National Wildland Fire Coordinating Group” compliant burn plan template in fillable pdf and/or WORD format by 31 December 2023.
- Provide one (1) geodatabase of all data created during the execution of the project as referenced in the IWFMP by 31 December 2023.

9.0 GOVERNMENT FURNISHED PROPERTY AND SERVICES

9.1 Property: Government furnished property (GFP) will be limited. A list of expendable and non-expendable (durable or hand receipt property) GFP will be provided (Appendix F) for the CESU partner to request, obtain and use. If the CESU partner decides to accept and use the GFP, the partner will be expected to provide the required level of maintenance to keep the equipment safe and functional along with all fuel and lubricants. If the equipment breaks or becomes otherwise non-functional, it will be the responsibility of the CESU partner to either repair the equipment or return to the GPOC for final disposal and turn-in. It will be then the responsibility of the CESU partner to provide a suitable replacement for the non-functional piece of equipment which shall become the property of the CESU partner. For any GFP provided, it will be the CESU (user's) responsibility to repair and replace to effectively support these wildlife and invasive species management service requirements. CESU partners will need to evaluate supplies and equipment needs. Any additional supplies or equipment needed to support the study will be obtained at the expense of CESU and shall become the property of the CESU partner. Reference equipment list and current condition report.

9.1.1 Facilities: Office space will be provided to support only personnel to execute the Permit Sales and GIS requirements. Office equipment and supplies such as photocopy machines, and word processing equipment, printers, paper, print cartridges, and other administrative items are available to support the permit sales and GIS function. Access/use of Fort McCoy computer network for the qualifying designated personnel. A facility is available for storage of government provided equipment.

9.1.2 Equipment: Computers, office phones, use of multifunctional devices (copy, fax, print, scan), general office furniture (desk, chair, file cabinets) will be provided in support of only Permit Sales and GIS Support.

9.1.3 Partner Travel: CESU personnel may be required to collaborate and share transport in federal, state, or local government aircraft (helicopter or fixed winged) or vehicles.

9.2 Project Information: Historic Permit Sales, Wildlife Management, and Invasive Species, Watershed, Cultural and Forest Management data files, available drawings, maps, aerial photographs, reports, databases, and GIS data sets, and other available data will be made available to CESU partner.

10.0 COOPERATOR FURNISHED ITEMS

Provide appropriately trained staff to complete Permit Sales, Wildlife Support, Invasive Species Control, Endangered Species, Watershed, Cultural Resource and Forest Management and GIS services. Specialized training will be required to conduct predator surveys, deer aging, herbicide application, and prescribed burning.

10.1 Facilities: Storage facilities and office space will be necessary to support personnel to execute Wildlife and Invasive Species, Endangered Species, Watershed, Cultural and Forest Management requirements and communication with the GPOC. The CESU partner shall provide off-site facilities, management, supervision, auxiliary services, supplies and equipment to complete tasks and deliverables with the exception for Permit Sales and GIS support as noted above. Laboratory space for watershed sample preparation may be an alternative to off-site facility. Office equipment and supplies such as photocopy machines, office computers (with card reader capabilities if accessing FMCN and/or Army Mapper) and word processing equipment, printers, paper, print cartridges, and other administrative items needed to supply an office are also the responsibility of CESU to provide.

10.1 Equipment: Obtain, maintain and use equipment free of invasive species and diseases. CESU partners shall come equipped with such items as compasses, field cameras, clip boards, boots, waders, rain gear, personal protective equipment, etc., and provide all other supplies to complete the described services.

Per 2CFR 200.313, Equipment: (a) Title to equipment acquired by a recipient with Federal funds shall vest in the recipient, subject to conditions of this section.

(b) The recipient shall not use equipment acquired with Federal funds to provide services to non-Federal outside organizations for a fee that is less than private companies charge for equivalent services, unless specifically authorized by Federal statute, for as long as the Federal Government retains an interest in the equipment.

(c) The recipient shall use the equipment in the project or program for which it was acquired as long as needed, whether or not the project or program continues to be supported by Federal funds and shall not encumber the property without approval of the DoD Component that made the award. When no longer needed for the original project or program, the recipient shall use the equipment in connection with its other federally-sponsored activities, in the following order of priority:

(1) First, activities sponsored by the DoD Component that funded the original project.

(2) Second, activities sponsored by other DoD Components.

(3) Then, activities sponsored by other Federal agencies.

(d) During the time that equipment is used on the project or program for which it was acquired, the recipient shall make it available for use on other projects or programs if such other use will not interfere with the work on the project or program for which the equipment was originally acquired. First preference shall be given to projects or programs sponsored by the DoD Component that financed the equipment; second preference shall be given to projects or programs sponsored by other DoD Components; and third preference shall be given to projects or programs sponsored by other Federal agencies. If the property is owned by the Federal Government, use on other activities not sponsored by the Federal Government shall be permissible if authorized by the DoD Component that financed the property. User charges shall be treated as program income.

(e) When acquiring replacement equipment, the recipient may use the equipment to be replaced as trade-in or sell the equipment and use the proceeds to offset the costs of the replacement equipment subject to the approval of the DoD Component that financed

the equipment.

(f) The recipient's property management standards for equipment acquired with Federal funds and federally-owned property shall include all of the following:

(1) Records for equipment and federally-owned property shall be maintained accurately and shall include the following information:

(i) A description of the equipment or federally-owned property.

(ii) Manufacturer's serial number, model number, Federal stock number, national stock number, or other identification number.

(iii) Source of the equipment or federally-owned property, including the award number.

(iv) Whether title vests in the recipient

(v) Acquisition date (or date received if the property was furnished by the Federal Government) and cost.

(vi) Information from which one can calculate the percentage of Federal participation in the cost of the equipment (not applicable to property furnished by the Federal Government).

(vii) Location and condition of the equipment or federally-owned property and the date the information was reported.

(viii) Unit acquisition cost.

ix) Ultimate disposition data, including date of disposal and sales price or the method used to determine current fair market value where a recipient compensates the DoD Component that made the award for its share.

Vehicles: All transportation and fuel required for the completion of Permit Sales, Wildlife, Invasive Species, Endangered Species, Watershed, Cultural and Forest Management is the responsibility of the CESU partner. It will be the responsibility of the Cooperating partner to determine the size, number, and capability of vehicles required to accomplish the work in locations specified in Task Orders and to maintain those vehicles in good repair. CESU personnel who are driving vehicles must have and maintain a valid driver's license. In addition, when using GFP like a UTV, personnel must obtain training sufficient to operate vehicles/equipment. Each OF346 will be signed by the Cooperator as the Issuing Official.

END OF S00