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I. The FY 2022 Technical Assistance Call

The FY 2022 Assistance Call (TAC) provides a coordinated procedure for parks, regions and other NPS programs to request professional assistance from programs under the Associate Director and Regional Directors, Natural Resources Stewardship and Science (NRSS). This guidance document lists programs area options offered by the NRSS Directorate and by the offices of the NRSS Regional Directors. Additionally, some Regions offer Cultural Resource program areas. The ultimate determination of which program area to assign to their TARs will be made by the regions.

The Technical Assistance Call (TAC) provides the means to identify and plan for the support of known issues which make up the majority of NRSS workload. Parks, regions and other NPS programs are encouraged to utilize the TAC process to identify their anticipated needs for technical assistance. However, requests for emergencies and emerging issues can occur at any time of the year. Requests for assistance may be submitted at any time.

In all cases, the decision on whether to submit a TAR to a program area will be made by staff assigned by the region (Region Approvers). Program managers will evaluate technical assistance requests and take action on as many of the requests as possible. The Directorate or Region will cover their staff salary costs. However, the ability to cover staff travel costs (including the associated travel ceiling), and any other related costs will be limited. Parks that can assist with travel cost or ceiling should note this in their requests.

Successful technical assistance requests generally involve services that can be provided by NRSS staff and completed within a relatively short time. NRSS can provide assistance directly or can facilitate access to specialists in other agencies and the academic community. Assistance in areas that are part of the NRSS's routine service wide programs need not be specifically requested (e.g., federal legislative and regulatory processes, general guidance documents, maintaining service wide databases, maintaining the air quality monitoring network, developing modeling techniques, and WASO policy reviews of planning documents). However, assistance with site-specific information needs or park specific regulatory, policy, or legislative issues should be requested in advance, whenever possible.

Under the FY 2022 TAC, assistance will be provided by staff within the NRSS Directorate including the:

- Regional Natural Resource Stewardship and Science Offices
- Regional Cultural Resources Offices

- Air Resources Division
- Biological Resources Division
- Climate Change Response Program
- Environmental Quality Division
- Geologic Resources Division
- Inventory and Monitoring Division
- National Natural Landmark Program
- Natural Sounds and Night Skies Division
- Water Resources Division
- Office of Operations and Program Support
 - Education and Outreach

Please note that the FY 2022 TAC is not a source of funds to parks or regions. The NPS manages requests for project (nonrecurring) and base (recurring) funding through the Servicewide Comprehensive Call (SCC) and Operations Formulation System (OFS) issued annually by the NPS Director.

Deadlines

Parks and regions complete the FY 2022 annual TAR entry, and submission to Program Areas by December 22, 2021

Parks may wish to set a goal to enter and (optionally) park rank TARs by November 23, 2021 to give their region time to review the requests and determine the following: whether a request will be submitted to a program area and which program area is the appropriate choice. Region assigned staff (Region Approvers) will review their region's FY22 requests. Requests for technical assistance are to be submitted to program areas by December 22, 2021.

Program Area Acceptance/Non-acceptance Decisions by February 1, 2022

Region and NRSS program area leads, in consultation with NRSS Division Chiefs and Regional Office staff, will make decisions on FY 2022 technical assistance requests.

Recent enhancements to the Solution for Technical Assistance Requests (STAR)

- A new label has been added to make sure users are aware that Park and Region ranking of TARs is completely optional.
- A new question is added to TARs which asks if the request is natural or cultural in nature. This will facilitate routing the TAR to the appropriate reviewers.
- Inventory requests may be submitted to the Washington Office Inventory and Monitoring Division. A form to ask for additional information specific to the inventory request has been integrated into the TAR.
- A new report has been added to list and access spatial data files linked to inventory requests.
- A new report has been added to search for and review comments entered into the TAR record.
- Program area collaboration report has been added to identify instances where secondary Program Areas provide TAR assistance.
- A service has been added to TARs whereby park visits may be documented and communicated to park staff. The service is accessed through the 'Park Visit Log' tab.
- The TAR 'Comments and Documents' tab includes a service to link DataStore references to the TAR. Once a DataStore reference code has been entered, the reference may be accessed directly from the TAR.
- Parks are encouraged to make a TAR program area assignment. But TARs may be submitted without a Program Area assignment, in which case the Region will make the program area assignment.
- All TARs are routed to Region Approvers for review and determination next step, regardless of submission date.
- The TAR "History" and "Comments & Attachments" pages are provided to facilitate management and documentation.
- Print button provided for TAR reports.

II. Natural Resource Technical Assistance Program Areas

The types of technical assistance available from the NRSS programs are outlined below.

Abandoned Mineral Lands: Assist park managers and staff with technical expertise to eliminate public safety hazards, rehabilitate affected natural resources, particularly the restoration and maintenance of critical wildlife habitat affected by abandoned mineral lands, and stabilize culturally significant abandoned mine sites and features. Contact Anthony Gallegos at Anthony_Gallegos@nps.gov.

Active Geologic Processes and Hazards (Coasts, Rivers, and Hillslopes): Assistance with management of active geologic processes such as erosion, sedimentation; landslide, rockfall, debris flow, storm surge, earthquake, tsunami, volcanic eruption; and related features such as coastlines, beaches, rivers, cliffs, canyons, dunes, volcanoes, arches and many other topographic features. Help with the full range of natural resource management activities such as inventory and monitoring, condition assessment, management and stewardship planning, interagency coordination, legislative, policy and regulatory analysis, impact mitigation, restoration, and adaptation, and research facilitation. Assistance with natural geologic hazards includes such services as evaluation, prediction, risk estimation, and response. Assist with engineering analysis, and project development and review. Contact: Dr. Rebecca Beavers (coastal), at 303-987-6945 or by electronic mail at rebecca_beavers@nps.gov; Dr. Eric Bilderback (rivers and hillslopes), at 303-969-2154 or by electronic mail at eric_bilderback@nps.gov; or Harold Pranger (for general questions), at 303-969-2018, or by electronic mail at harold_pranger@nps.gov

Administering Park Scientific Research and Collecting Permits and Natural Science

Activities: Provides assistance to parks to effectively identify research priorities and inform prospective researchers about those priorities. Helps parks and regions with understanding NPS policies, guidelines, and procedures influencing scientific activities in parks. Requests for assistance may also include:

- Helping parks and regions to more effectively use the capabilities of the NPS Research Permit and Reporting System
- Assisting parks in managing administrative issues related to collection of scientific specimens
- Assisting parks with policy and permitting aspects of science education and citizen science activities
- Helping parks develop and utilize strategies to attract needed types of research
- Helping parks construct mechanisms for integrating permitted scientific research into park interpretive programs
- Helping parks respond when a permittee informs them about any proposed commercialization of research results; discloses an invention, discovery, or patent application; or asks about an agreement to share or decline benefits

Contact: John Dennis at 202-513-7174 or by electronic mail at john_dennis@nps.gov, Ann Hitchcock at 202-354-2271 or by electronic mail at ann_hitchcock@nps.gov, Bill Commins at 202-513-7166 or by electronic mail at bill_commins@nps.gov.

Aquatic Invasive Species: Advise and provide assistance with Aquatic Invasive Species prevention, control, planning, and programs development. Contact: John Wullschleger, at 970-225-3572, or by electronic mail at john_wullschleger@nps.gov.

Avifauna: Provide assistance on avian issues. Avian issues may include: Restoration of extirpated species, assessment of population viability for special status species, development of a species action

plan for special status species, general study design, project review, BMP's for avian conservation, MBTA training and guidance. Contact Dave Trevino at 970-267-2143 or by electronic mail at dave_trevino@nps.gov.

Biodiversity Discovery Program: Citizen Science, BioBlitzes, and Data Management. Contact Kriston Barnes at 970-267-2191 or by electronic mail at kriston_barnes@nps.gov.

Biological Resources Data Management: Provide guidance on how best to collect, manage, and maintain biological resources data. Contact: Erik Jackson (erik_jackson@nps.gov)

Caves, Paleontology and other Geologic Features: Assistance with the management of National Park System geologic features such as caves / karst, fossils (paleontological resources), volcanoes, glaciers, arches and natural bridges, sand dunes, desert and arid lands features, coastal and shoreline features, and other geologic phenomena. Assist with the full range of natural resource management activities such as inventory and monitoring, condition assessment, management and stewardship planning, interagency coordination, legislative, policy and regulatory analysis, impact mitigation, resource protection and investigations, curatorial services, and research facilitation. Assistance with development and review of interpretive / educational information related to geologic features. Contact: Vincent L. Santucci (paleontology and other geologic features), at 202-359-4124, or by electronic mail at vincent_santucci@nps.gov; Patricia Seiser, at 720-425-3284, or by electronic mail at patricia_seiser@partner.nps.gov; Harold Pranger (general questions), at 303-969-2018, or by electronic mail at harold_pranger@nps.gov.

Clean Air and Scenic Views: The Air Resources Division (ARD) provides assistance with any air quality issue, including collaborative efforts to prevent or mitigate sources of air pollution in parks (such as smoke management) and outside park boundaries (such as oil and gas, power plants and other industrial development), and the study and assessment of park resources and values impacted by air pollution including human health, visibility (haze) and ecosystem impacts. ARD also provides assistance in identifying and protecting scenic views that often extend beyond park boundaries, by facilitating visual resource inventories and collaborating with developers, governmental agencies and other stakeholders. Contact: Jim Cheatham, at 303-969-2703, or by electronic mail at jim_cheatham@nps.gov.

Climate Change Response: Assist with climate change science, adaptation, communication, and training. This includes supporting parks in using climate observations and projections to understand effects on natural and cultural resources, park facilities, operations and planning, and visitor experience. Assistance includes natural and cultural resource and infrastructure vulnerability assessments; provision of climate projections to support park planning and decisions; scenario planning; development and review of implementation and strategic planning documents for inclusion of climate change effects and adaptation actions; linking park-level adaptation to larger landscape efforts; staff training support; and assistance with interpretive components, or other products informed by climate change considerations. Contact: Cat Hawkins Hoffman (cat_hawkins_hoffman@nps.gov; office phone: 970-225-3567; cell phone: 970-631-5634), or Melanie Wood (melanie_wood@nps.gov, cell phone: 970 420 7206)

Coastal and Marine Resource Management: Provide assistance with marine, estuarine, coastal and Great Lakes resource science, stewardship, research and planning. Experts in fisheries, water quality, sea level and coastal change monitoring and analysis, satellite and photo image interpretation, processing and analysis; GIS data management, analysis, map creation, web-based mapping applications, benthic and coastal habitat mapping, marine invasive species, resource management plans, zoning, recreational uses; legislation, regulations and policy. Contact: Eva DiDonato, at 970-267-7291, or by electronic mail at eva_didonato@nps.gov.

Ecological Restoration: Provide assistance on ecological restoration issues. Ecological restoration assistance may include: restoration planning tools (e.g., site characterization, baseline inventory design, and safety hazard analysis), engineering specifications, contract scopes-of-work and technical specifications, development of proposals and refinement of project statements, technical restoration tools (e.g., native plant material resources, BMPs), project review, and post-work monitoring review and project analysis. Contact Greg Eckert at 970.225.3594 or by electronic mail at greg_eckert@nps.gov

Energy: Assist park managers and staff with energy development and activities in and adjacent to parks and affiliated areas, such as onshore and offshore wind energy, solar energy, and electric transmission infrastructure. Specific assistance includes evaluating development proposals (e.g., review of engineering practices, access, ancillary facilities, operating techniques, potential cross-boundary impacts to park resources and values, mitigation, and reclamation); applying NPS and other permitting, regulatory, and policy requirements; advancing interagency coordination; reviewing and commenting on legislative proposals and environmental (NEPA) documents; preparing briefing statements; providing policy and regulatory advice; engaging the Solicitor's Office; coordinating project reviews across NRSS offices and other NPS directorates; and developing resource protection, restoration, and protection recommendations. Contact Sarah Quinn at Sarah_Quinn@nps.gov or Stephen Simon at Stephen_Simon@nps.gov.

Fire Management Integration and Forest Integrity: Provide assistance on collaborations with the NPS Fire and Aviation Management Division, including joint identification of desired outcomes in Fire Management Plans and Resource Stewardship Strategies, natural resource objectives for fuel treatments, data and communication coordination, and Resilient Landscape proposal and project development, and aviation management issues. Additionally, provide assistance on forest integrity issues caused by invasive pests and pathogens. Components of technical assistance include prevention, early detection, eradication, and control of invasive forest species, stabilization of impacted sites, and education. Contact: Greg Eckert, at 970-225-3594, or by electronic mail at greg_eckert@nps.gov.

Fisheries: Assist with fish stock and population assessments; restoration of native species, control of exotic and non-native species, evaluations of recreational and commercial fisheries regulations, angler use and creel censuses, National Fishing Week Programs, fish and fishery management planning, aquatic habitat evaluation and management and assessments of fish disease and environmental/habitat alterations on fish populations and fisheries. Contact: John Wullschleger, at 970-225-3572, or by electronic mail at john_wullschleger@nps.gov.

Hydrology and Watershed Management: Assist with hydrologic issue analysis; hydrologic impact assessments; surface and groundwater measurement and modeling; watershed analyses, evaluation, and modeling; sediment transport/erosion, treatment and evaluation; fluvial geomorphic analysis, channel restoration design and evaluation; floodplain compliance, consultation, and analyses; groundwater assessments including well siting and testing, drawdown analysis, aquifer assessment and modeling, surface water – ground water interactions, and groundwater impact assessments; analytic methods; statistical hydrology; specialized equipment loan and training; and standardized procedures and protocols. Contact: Mike Martin, at 970-225-3509, or by electronic mail at Mike_Martin@nps.gov.

Information Management Support: The ability to answer many natural resource-related questions significantly hinges on practical and reasonable data management practices. Within the context of a successful project, information handling must include a credible database design, information collection, spatial or statistical analyses, and presentation of results. Examples of support in this technical assistance category include providing help and guidance to parks, inventory and monitoring networks, and regions in the following areas: GIS; database evaluation and design; recommendations for data collection and reporting tools; assistance developing data management plans; and temporary computer services to support natural resource program events. Contact: Peter Budde, at 970 225 3559, or by electronic mail at peter_budde@nps.gov.

Integrated Pest Management (IPM): Provide assistance using the IPM process for technical guidance, and training for prevention, detection, planning, and selection of best management practices (including non-chemical methods, pesticides, GMOs, biological control) for pest issues that present a risk to park resources or human health. This includes complex or precedent-setting pest issues that affect natural and cultural resources, objects, landscapes, structures, ornamentals, turf, agricultural lands, human health, and other resources. Parks should coordinate with their Regional IPM Coordinator before submitting requests as Regional Coordinators may have similar projects and solutions in place. Contact: Jim Pieper, at (970) 267-2144, or by electronic mail at IPM@nps.gov.

Invasive Animals: Provide assistance on invasive animal management in natural areas, including prevention, early detection and eradication, and control of established populations. Assist with exotic animal management in wildlands and associated areas with natural values in cultural landscapes, including prevention, early detection and control of established populations. Help in priority setting, planning, advice on field techniques and operations, and limited formal and on-the-job training. Contact: Jennifer Sieracki (970) 225-3517 (jennifer_sieracki@nps.gov)

Landscape Level Planning Initiatives: Assist with working beyond park boundaries on landscape-scale issues or opportunities. Contact: Lori Makarick (970) 267 2176 (lori_makarick@nps.gov)

Livestock Management and Planning: Assist with managing livestock in parks including; stocking rates, livestock distribution issues, grazing with sensitive species, permittee/agency interactions, vegetation utilization/production monitoring, grazing EIS's/EA's, and rangeland health assessments. Also, how livestock can be used for ecological benefits such as invasive plant management or implementing grazing to reach a specific ecological management objective. Contact: Jordan Spaak at 970 267-2145 or by electronic mail at (Jordan_Spaak@nps.gov)

Marine Wildlife: Provides technical expertise on a variety of marine wildlife issues including but not limited to marine debris, fisheries conflicts, coastal development, at-risk species, research and conservation activities, reference materials, marine wildlife disease and stranding response, oil spill mitigation and oiled wildlife response, training and partnership development. Contact Nicole Brandt at 970-267-7236 or by electronic mail at nicole_brandt@nps.gov

Mining and Minerals: Assist park managers and staff with mining and mineral development in and adjacent to parks and affiliated areas. GRD has in-house expertise and works with other NRSS staff assisting parks with proposed internal and external development of oil, gas, oil shale, tar sands, liquefied natural gas, coal, hardrock minerals, geothermal, sand and gravel, and pipelines. Specific assistance includes evaluating development proposals (e.g., review of engineering practices, access, ancillary facilities, operating techniques, potential cross-boundary impacts to park resources and values, mitigation, and reclamation); applying NPS and other permitting, regulatory, and policy requirements; advancing interagency coordination; reviewing and commenting on legislative proposals and environmental (NEPA) documents; preparing briefing statements; providing policy and regulatory advice; engaging the Solicitor's Office; coordinating project reviews across NRSS offices and other NPS directorates; determining valid existing rights for mining proposals, and developing resource protection, restoration, and protection recommendations; providing minerals management training; developing guidance documents; assisting with park-wide minerals management plans; and providing specialized skills (e.g., geology, engineering, oil and gas and mining law, and safety. Contacts for mining and minerals: Julia Brunner at Julia_f_brunner@nps.gov; contact for oil and gas: Steve Simon at Stephen_Simon@nps.gov.

National Environmental Policy Act (NEPA) Policy and Compliance: Provide assistance on NEPA compliance for complex, controversial, and precedent setting planning, resource management, design and construction projects. Provide project management assistance and support for environmental planning and compliance projects. Note that requests for funding of planning/NEPA projects must be through the Servicewide Comprehensive Call, not through the TAC. Requests for assistance may include:

- Technical advice and guidance on NEPA issues that are, or may be precedent setting or have servicewide implications
- Technical review of planning documents to ensure consistency with NEPA and Director's Order 12
- Technical advice and guidance on specific NEPA-related questions, or questions on the integration of NEPA with other environmental compliance requirements
- Technical advice and assistance on managing and contracting environmental planning and compliance projects
- Interpretation of policy and regulations related to environmental planning and compliance
- Environmental planning and compliance training, e.g., training on Director's Order 12 and on the use of the Planning, Environment, and Public Comment (PEPC) website

Contact: Dave Jacob, at 303-987-6970, or by electronic mail at david_jacob@nps.gov

National Natural Landmarks:

Contact Heather Eggleston at 303-969-2945 or by electronic mail at heather_eggleston@nps.gov

Natural Resource Inventories: The Inventory & Monitoring Division will be conducting species inventory studies for parks beginning in FY2021. Species inventory studies intended to provide information about the presence or distribution of taxa within any area of interest in support of new or emerging park management issues, and may be addressed using existing data or through new surveys to be funded by IMD. Inventory 2.0 requests may be submitted to the STAR (<https://irma.nps.gov/star/>) during the call and beyond. The Technical Assistance Request information form includes a link to a form for providing Inventory-specific information. Contact: Tom Philippi at (619) 523-4294 or by email at tom_philippi@nps.gov

Natural Lightscapes/Night Skies

- Night Sky Quality Assessment (baseline measurements, photometric monitoring, lighting measurements, data analysis and modeling)
- Planning and Compliance (GMPs, RSSs, Wilderness Plans, and other NPS planning documents; technical review of external proposals and NEPA documents)
- Best Practices for Outdoor Lighting (evaluate existing outdoor lighting conditions, assistance with lighting inventory tools, recommendations for new and retrofitted park lighting)
- Interpretation, Education and Outreach (including training for astronomy based evening programming)
- Assistance with International Dark Sky Park Application [Process](#)
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More detailed information about available services can be found [here](#). Contact: Bob Meadows, at 970-267-2199, or by e-mail at bob_meadows@nps.gov

Resource Damage Assessment and Restoration: Provide direct support and technical assistance on resource damage claims under the System Unit Resource Protection Act (SURPA, formerly 19jj), the Oil Pollution Act (OPA), or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Assistance includes policy guidance, case management, technical guidance, and training. Contact: James Hass at 970 267-2120, or by electronic email at james_haas@nps.gov or Karen Battle-Sanborn, at 970-267-2182, or by electronic mail at karen_battle-sanborn@nps.gov .

Science Communication and Interpretation: The NRSS Office of Education and Outreach provides assistance with communicating complex natural resource issues and science. “Facilitating the understanding of the value of science and ensuring that science outcomes are accessible and easily understood, internally and externally, is fundamental to the success of applying science to resource management decision making and action.” (NRSS Science Priorities Framework). The Office of Education and Outreach offers expertise in audio/visual production, interpretive media, social media dialog, graphic design, and stewardship communication and campaigns. Assistance includes developing communication products and services that address Servicewide and park-based natural resource issues; developing and reviewing the Interpretive Component for Natural Resource Fund Source projects, and developing communication campaigns that support stewardship. Contact: Sara Melena, at 970- 225 3525 or by electronic mail at sara_melena@nps.gov; David Restivo, 970-225-2297, david_restivo@nps.gov ; Tim Watkins, 202-513-7189, tim_watkins@nps.gov

Social Science and Visitor Use: The Social Science Branch assists parks and program offices in developing, acquiring, and peer reviewing NPS personnel and public surveys; prioritizing social science needs; socioeconomic information analysis, organization, and display for NEPA compliance processes; visitor use level and patterning estimation methods; and economic analyses for damage assessments and proposed rulemakings. Assistance is also provided in preparing special analyses to address specific park and program office needs. The full range of assistance offered is described on the NPS Social Science web site at: <https://www.nps.gov/subjects/socialscience/index.htm> . Contact: Bret Meldrum, at 970-267-7295, or by electronic mail at bret_meldrum@nps.gov , or David Pettebone, at 970-225-3524, or by electronic mail at david_pettebone@nps.gov.

Soil Resources Management: Provide assistance in soil resource management to address impacts from natural and anthropogenic factors such as accelerated soil erosion (water and wind), soil compaction from visitor use or other land use practices; policy, regulatory, and permitting matters; planning; and research opportunities. Expertise available for

- Soil ecology, biological inventory and dynamic soil properties,
- Assessment and monitoring applications, including soil carbon and application of Ecological Site Descriptions
- Evaluating hydric, burned area, or contaminated soils,
- Soil restoration techniques,

Other issues addressed include coordination on soil resource management issues with the National Resources Conservation Service (NRCS), Forest Service, local soil and water conservation districts, and other conservation organizations. Contact: Greg Eckert, at 970-225-3594, or by electronic mail at greg_eckert@nps.gov.

Soundscapes/Natural Sounds/Acoustical Assistance: Soundscapes/Natural Sounds/Acoustical Assistance: Provide direct support and technical assistance in the following areas:

- Acoustic Monitoring (baseline acoustic data collection, bioacoustic analysis, on-site source identification, source specific measurements, modeling, and data analysis)
- Training park staff in the use of acoustic monitoring equipment; acoustics education and training
- Overflights (Air Tours, Military Overflights, Air Space Design, and Airport Capacity Enhancement Projects)
- Planning/Compliance (e.g., GMPs, Foundation Documents, Visitor Use Plans, Backcountry and Wilderness Plans, Resource Stewardship Strategies, Acoustic Resource Management Plans, external review, etc.)
- Management and Noise Mitigation (recommendations for mitigation strategies, noise modelling, interpret and incorporate relevant science, policy and guidance)
- Assist in the development of interpretive materials and public outreach

More detailed information about available services can be found [here](#). Contact: Scott McFarland at 970-267-2123, or by e-mail at scott_mcfarland@nps.gov

Threatened & Endangered Species: Assist on the conservation and recovery of threatened and endangered species, whether listed federally or by states. Offer parks guidance in Section 7 consultation under the Endangered Species Act, including review of Biological Assessments, proactive strategies with regulatory agencies, and programmatic consultations. Also, discussion of management options for listed or candidate species, management plans potentially affecting listed species, and designing and funding restoration and reintroduction efforts. Contact: William Austin by electronic mail at William_Austin@nps.gov.

Vegetation Management and Invasive Plants: Provide assistance and expertise on issues related to management and protection of flora, plant communities, and landscapes that are pertinent to NPS resources and themes. Ability to provide professional knowledge and a high level of understanding of a wide variety of concepts, principles, and practices in the fields of botany, ecology, natural resource management, research methods and design, and information management, in order to review, design, and implement, vegetation management projects.

Provide assistance on invasive plant management in natural areas, including prevention, early detection and eradication, and control of established populations. Assist with exotic plant management in wildlands and cultural landscapes, including prevention, early detection and eradication, and control of established populations. Help in priority setting, planning, advice on field techniques and operations, and limited formal and on-the-job training.

Contact: Terri Hogan, at 970-267-7306, or by electronic mail at terri_hogan@nps.gov.

Water Quality and Ecological Effects: Provide expertise on water chemistry; instrumentation and sampling design; laboratory selection and sample analysis; inventory and monitoring protocols and study designs; groundwater quality monitoring and impact assessments; toxicity and contaminants assessments and aquatic risk assessments; aquatic biomonitoring; water quality – fisheries interaction; and water quality databases, modeling, and information interpretation. Assist on identification of issues and technical support related to environmental contaminant effects on biological and ecological systems. Contact: Kerensa King, at 970-267-7229, or by electronic mail at kerensa_king@nps.gov, Andrew Birch at 704-219-3108, or by electronic mail at andrew_birch@nps.gov

Water Rights: Aid in addressing new non-NPS water consumption or diversion that may be injurious to park resources or water use; changes in NPS water consumption or in locations or types of park water use, including new or replacement wells; administrative hearings relative to off-park or park water use; policy interpretation related to use of park water; and facilities planning/design where facilities affect or are affected by water use. Contact: Peter Fahmy, at 303-969-2848, or by electronic mail at peter_a_fahmy@nps.gov.

Wetlands: Assistance with wetland impact assessments; identification of degraded wetlands (restoration opportunities); assistance with wetland restoration design, implementation and funding acquisition; assistance with wetland mapping, monitoring designs, management, training and the regulatory compliance process (e.g., §404 permits, Director's Order #77-1 Statements of Finding); and assistance with review of wetland delineations and functional assessments. We can assist in wetland environmental reconstructions using sediment records, which could include extracting sediment records from lakes or peatlands or limited laboratory analyses of sediment properties, as well as microfossil extraction and identification. We can also use dendrochronology (tree ring science) as a tool to understand climatic, geomorphic and environmental histories. Note: For construction projects, wetland delineations and functional assessments for regulatory compliance should be conducted by private contractors; however, WRD can assist with scopes of work and product review. Contact: Kevin Noon, at 303-969-2815, or by e-mail at kevin_noon@nps.gov

White Nose Syndrome:

Contact; Michelle Verant, at 970-225-3541, or by electronic mail at michelle_verant@nps.gov.

Wild and Scenic Rivers:

Contact; Jennifer Back at 970 225 3533, or by electronic email at jennifer_back@nps.gov

Wildlife Health and One Health: Provide assistance, training, and professional veterinary consultation on wildlife health issues, including disease monitoring and investigation; diagnostic sample collection, submission, and analysis; wildlife-domestic animal disease interactions; field anesthesia and use of drugs; fertility control; euthanasia; and animal welfare. Also consult on protection and promotion of the health of all species, including humans, and the parks we share through a One Health approach that includes zoonotic disease prevention, surveillance, management, and communication. Contact: Jenny Powers, at (970) 267-2122, or by electronic mail at jenny_powers@nps.gov.

III. Internship Opportunities

The Scientists in Parks (SIP) Internship Program is administered by the NRSS Directorate, in partnership with the WASO Youth Programs Division and several non-governmental partner organizations. The SIP Program provides an easy to use mechanism by which NPS parks, networks, regions, and programs can hire non-federal interns to undertake projects that address natural resource management issues. Simultaneously, the SIP Program affords SIP interns a high-quality work experience that inspires, develops the next generation of diverse park stewards, and fosters a life-long connection to the National Park System. SIP projects may vary considerably in complexity, length, discipline, and skill set, in accordance with the particular needs of NPS units and abilities of the SIP interns.

There are two calls for project proposals each year, one in September for project start dates from May 1 through September 30 and a second call in February for project start dates from October 1 through April 30.

To learn more about the Scientists in Parks Program, project costs, student eligibility, and potential funding support, visit the [internal SIP webpage](#) or contact Scientists_in_Parks@nps.gov.

IV. Regional Natural Resource Stewardship and Science Technical Assistance Program Areas

AKRO Natural Resources Regional Technical Assistance Program Areas: The types of technical assistance available from the AKRO Natural Resources Science Team are outlined below. As needed, regional contacts will direct questions/requests to WASO contacts with greater specific expertise.

AKRO Air Quality: Provide assistance with any air quality or airborne contamination issue, including collaborative efforts to prevent, mitigate, or monitor sources of air pollution in parks (such as smoke management) and outside park boundaries (such as oil and gas, power plants and other industrial development), and the study and assessment of park resources and values impacted by air pollution including human health, visibility (haze) and ecosystem impacts. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov.

AKRO ANILCA (Alaska National Interest Lands Conservation Act): Provide assistance with interpreting, understanding, and applying NPS-related sections of ANILCA to stewardship of the Alaska parks.

ANILCA can provide consultation, training, and review of documents related to implementing ANILCA such as sections addressing motorized access, subsistence, sport hunting, waters, and cabins and other structures. Contact: Adrienne Lindholm, at 907-644-3581, or by electronic mail at Adrienne_lindholm@nps.gov; or Andee Sears, at 907-644-3410, or by electronic mail at Andee_Sears@nps.gov.

AKRO Biostatistics Support: Provide assistance with statistical elements of natural resource management-related projects, including problem framing and formulation, design of surveys and experiments, analysis planning, sample size determination, data visualization and analysis, interpretation, etc.; methods development; and statistical and scientific review. Contact: Joel Reynolds, at 907-644-3597, or by electronic mail at grant_hilderbrand@nps.gov.

AKRO Caves and Karst: This program area provides assistance with cave resource management (visitation, impacts, scientific research, etc.) and inventory, including documentation of caves and karst features as well as documentation of features within caves. Expertise includes development of management plans, protocols, and cave data management, including surveys and GIS. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov.

AKRO Bats and White Nose Syndrome: Bat assistance includes assistance with static acoustic monitoring, mobile acoustic transects, mist netting, radio tracking, evaluation of existing or potential bat roost or hibernacula, and performing exclosures. Regional lead is coordinating with ADF&G and other local and state groups to implement a White Nose Syndrome response plan, and coordinates the collection and analysis of dead bats for signs of WNS. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov; or David Payer at 907-644-3578, or by electronic mail at david_payer@nps.gov.

AKRO Coastal and Marine Resource Management: Provide assistance with marine, estuarine, and coastal resource science, stewardship, research and planning. Support in fisheries, biological assessments, ocean acidification studies and monitoring, water quality, physical dynamics, coastal processes, coastal change monitoring and analysis, satellite and photo image collection, interpretation, processing and analysis; GIS data analysis, map creation, benthic and coastal habitat mapping, marine invasive species, resource management plans, recreational uses; marine debris; legislation, regulations and policy. Contact: Tahzay Jones at 907-644-3442, or by electronic mail at tahzay_jones@nps.gov.

AKRO Exotic Plant Management Team (EPMT) Database: Provide data specific to the EPMT Program work conducted in Alaska's National Parks. Data may be used for reports and GPRA reporting. Contact: Chris at 907-644-3452, or by electronic mail at grant_hilderbrand@nps.gov.

AKRO Fisheries: Provide assistance determining fish assemblages and biodiversity on Park lands. Develop and provide GIS maps of documented essential fish habitats (e.g., rearing, spawning, feeding, migration ...) on and near Park lands. Assist in prioritizing areas for aquatic inventory, assessment, and monitoring. Provide training in nominating salmon bearing waters to the State regulatory atlas (e.g., [Anadromous Waters Catalog](#)) and Fresh Water Fish Inventory; coordinate GIS databases and data sharing with other federal and state entities. Assist with subsistence, recreational, and commercial fisheries issues, policy, and regulations as they relate to Park lands; assist with assessing recreational angler use. Assist in design and implementation of studies focused on fish population abundance, health, and life history. Contact: Dan Young at 907-781-2113, or by electronic mail at dan_young@nps.gov; or David Payer at 907-644-3578, or by electronic mail at david_payer@nps.gov.

AKRO Geology, Geologic Features, Processes, and Hazards: Assistance with management of active geologic processes such as erosion, sedimentation; landslide, rockfall, debris flow, storm surge, earthquake, tsunami, volcanic eruption; and related features such as coastlines, beaches, rivers, cliffs, canyons,

dunes, volcanoes, arches and many other topographic features. Assistance with natural geologic hazards includes such services as evaluation, prediction, risk estimation, and response. Assistance with the management of National Park System geologic features such as caves / karst, fossils (paleontological resources), volcanoes, glaciers, arches and natural bridges, sand dunes, desert and arid lands features, coastal and shoreline features, and other geologic phenomena. Assist with the full range of natural resource management activities such as inventory and monitoring, condition assessment, management and stewardship planning, interagency coordination, legislative, policy and regulatory analysis, impact mitigation, resource protection and investigations, curatorial services, and research facilitation. Assistance with development and review of interpretive / educational information related to geologic features. For cave/karst, contact Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov. For all other geology needs, contact Chad Hults at 907-644-3575, or by electronic mail at chad_hults@nps.gov.

AKRO Hydrology and Watershed Management: Assist with evaluation of impacts to wetlands and floodplains, including assistance with Statements of Findings and review of NEPA analyses with potential hydrologic issues. Assist with: hydrologic impact assessments; surface and groundwater measurement; watershed runoff, erosion evaluation; fluvial geomorphic analysis; surface/groundwater interactions, and groundwater impact assessments; floodplain compliance. Works with parks to identify areas where disturbed streams or wetland areas may be restored and will work with parks to develop restoration strategies. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov.

AKRO Integrated Pest Management (IPM): Provide assistance using the IPM process for technical guidance, detection, planning, and selection of best management practices (including non-chemical methods, pesticides, GMOs, biological control) for pest issues that present a risk to park resources or human health. This includes complex or precedent-setting pest issues that affect natural and cultural resources, objects, landscapes, structures, ornamentals, turf, agricultural lands, human health, and other resources. Contact: Chris Overbaugh at 907-644-3452, or by electronic mail at grant_hilderbrand@nps.gov.

AKRO Invasive Animals: Provide assistance on invasive animal management in natural areas, including prevention, early detection and eradication, and control of established populations. Assist with exotic animal management in wildlands and associated areas with natural values in cultural landscapes, including prevention, early detection and control of established populations. Help in priority setting, planning, advice on field techniques and operations, and limited formal and on-the-job training. Contact: David Payer at 907-644-3578, or by electronic mail at david_payer@nps.gov.

AKRO Invasive Plants/EPMT: Provide assistance and expertise directly, or via the Exotic Plant Management Team, on issues related to management and protection of flora, plant communities, and landscapes that are pertinent to NPS resources and themes. Provide assistance on invasive plant management in natural areas, including prevention, early detection and eradication, and control of established populations. Assist with exotic plant management in wildlands and cultural landscapes, including prevention, early detection and eradication, and control of established populations. Help in priority setting, planning, advice on field techniques and operations, and limited formal and on-the-job training. Contact: Chris Overbaugh at 907-644-3452, or by electronic mail at grant_hilderbrand@nps.gov.

AKRO Landscape Level Planning Initiatives: Provide assistance with coordinating landscape-scale resource management and conservation activities beyond park boundaries and with enhancing and promoting collaborative multi-partner landscape-scale planning and initiatives, including climate adaptation planning and activities. Contact: Joel Reynolds, at 907-644-3597, or by electronic mail at grant_hilderbrand@nps.gov.

AKRO Marine Wildlife: Provides technical expertise on a variety of marine wildlife issues including but not limited to marine debris, fisheries conflicts, coastal development, at-risk species, research and conservation

activities, reference materials, marine wildlife disease and stranding response, oil spill mitigation and oiled wildlife response, training and partnership development. Contact Dave Payer at 907-644-3578, or by electronic mail at david_payer@nps.gov; or Tahzay Jones at 907-644-3442, or by electronic mail at tahzay_jones@nps.gov.

AKRO Mining and Energy Development: Provide assistance to NPS units on energy and mineral development in and adjacent to parks and affiliated areas. Assist parks with proposed internal and external development of oil, gas, liquefied natural gas, coal, hardrock and placer minerals, geothermal, wind energy, electric transmission infrastructure, sand and gravel, and pipelines. Specific assistance includes evaluating development proposals; applying NPS and other permitting, regulatory, and policy requirements; advancing interagency coordination; reviewing and commenting on legislative proposals and environmental (NEPA) documents; preparing briefing statements; engaging the Solicitor's Office; coordinating project review across park and regional offices; and developing resource protection, restoration, and protection recommendations; developing guidance documents; and providing specialized skills (e.g., geology, oil and gas and mining law, and safety.)

Provide assistance on post-mining ecological restoration issues. Ecological restoration assistance may include: restoration planning tools (e.g., site characterization, baseline inventory design, and safety hazard analysis), contract scopes-of-work and technical specifications, development of proposals and refinement of project statements, technical restoration tools (e.g., BMPs), project review, and post-work monitoring review and project analysis.

For mining or energy and minerals questions, contact Chad Hults at 907-644-3575, or by electronic mail at chad_hults@nps.gov; or, for restoration of placer mined drainages, contact Paul Burger at 907-633-3577, or by electronic mail at paul_burger@nps.gov.

AKRO National Natural Landmarks: Provide direct support and technical assistance for conservation of significant natural resources within National Natural Landmark boundaries. Provide information sharing, report on the condition of designated landmark resources, participate in environmental review and planning to minimize impacts to landmark sites, and broker technical assistance. Contact: Adrienne Lindholm at 907-644-3581, or by electronic mail at Adrienne_lindholm@nps.gov

AKRO Paleontology: Paleontological assessments of sites of high interest (e.g., vertebrates) or sites of management concern (e.g., erosion, unauthorized collecting). Compilation and databases of paleontological resources. Assistance with paleontological laws and policies. Contact: Chad Hults at 907-644-3575, or by electronic mail at chad_hults@nps.gov.

AKRO Pesticide Use Proposals (PUPs): As part of the Integrated Pest Management (IPM) Program, provides guidance and assistance with creating and submitting proposals regarding any and all planned or potential pesticide use in the parks; assistance with reporting (use logs) for of each proposal and follow-up management. Contact: Chris Overbaugh at 907-644-3452, or by electronic mail at grant_hilderbrand@nps.gov.

AKRO Research Permit System Support: Provide assistance to parks with implementation of the RPRS system. Help parks understand NPS policies, guidelines, and procedures influencing scientific activities in parks. Help coordinate with RPRS coordinators to develop consistent approach to research being conducted across multiple parks. Acts as a liaison between park RPRS coordinators and WASO for providing input into the program and solving issues with permitting and the RPRS system. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov.

AKRO Natural Resource Damage Assessment (NRDA): Provide direct support and technical assistance on resource damage claims under the Park System Resource Protection Act (PSRPA or “19jj”), the Oil Pollution Act (OPA), or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Assistance includes policy guidance, technical guidance, and training. CERCLA projects will involve work with DOI Contaminated Sites Program staff. For NRDA, PSRPA, and OPA, contact Tahzay Jones at 907-644-3442, or by electronic mail at tahzay_jones@nps.gov; for CERCLA matters contact Chad Hults at 907-644-3575, or by electronic mail at chad_hults@nps.gov

AKRO Science Communication: Do you want the results from your work to be more widely disseminated? Do you have an interesting idea for how to communicate your work (or maybe you don’t have a specific idea)? I can help provide direct support and technical assistance in science communication. I can help conceptualize and create communication products, provide or connect you to the expertise you need, and identify and access appropriate media to report your findings. Contact: Nina Chambers at 970-644-3695, or by electronic mail at nina_chambers@nps.gov.

AKRO Spill Preparedness Planning: Provide direct support and technical assistance in spill preparedness planning and updating; integration of existing spill response plans; area and subarea contingency plan concerns; sensitive areas identification and assessments; geographic response strategies development, assessment, and updating; contaminants assessments; GIS data uploading into the Arctic emergency response management application. Contact: Tahzay Jones at 907-644-3442, or by electronic mail at tahzay_jones@nps.gov.

AKRO Structure-from-Motion Aerial Photography and Surface Models: Acquire high-resolution color and color infrared aerial orthoimages and digital surface models of project areas from less than 1 square mile to tens of square miles in size. Images and surface models can be applied to a variety of resource management needs and capture resources such as vegetation, river and coastal erosion, glacier thinning, landslide movement, water level change, infrastructure, and formation of social trails. Contact: Chad Hults at 907-644-3575, or by electronic mail at chad_hults@nps.gov; or Tahzay Jones at 907-644-3442, or by electronic mail at tahzay_jones@nps.gov

AKRO Technical Report Review: Provide editing and formatting assistance to publish in the natural resource technical report series and other publications. These services do not include peer review and availability depends on existing workload. Contact: Paul Burger at 970-644-3577, or by electronic mail at paul_burger@nps.gov; or Nina Chambers at 970-644-3695, or by electronic mail at nina_chambers@nps.gov.

AKRO Threatened & Endangered Species: Assist on the conservation and recovery of threatened and endangered species, whether listed federally or by states. Offer parks guidance in Section 7 consultation under the Endangered Species Act, including review of Biological Assessments, proactive strategies with regulatory agencies, and programmatic consultations. Also, discussion of management options for listed or candidate species, management plans potentially affecting listed species, and designing and funding restoration and reintroduction efforts. Contact: Mary Hake at 907-644-3576, or by electronic mail at mary_hake@nps.gov, David Payer at 907-644-3578, or by electronic mail at david_payer@nps.gov.

AKRO Water Quality and Ecological Effects: Provide expertise on water chemistry; instrumentation and sampling design; inventory and monitoring protocols and study designs; and groundwater quality monitoring and impact assessments. Assist on identification of issues and technical support related to environmental contaminant effects on biological and ecological systems. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov.

AKRO Water Rights: Aid in addressing new non-NPS water consumption or diversion that may be injurious to park resources or water use; changes in NPS water consumption or in locations or types of park water use, including new or replacement wells; policy interpretation related to use of park water; and facilities planning/design where facilities affect or are affected by water use. Assist parks with obtaining groundwater rights and in-stream flow reservations where applicable and appropriate, including the development of long-term studies used to inform those applications. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov.

AKRO Wetlands: Assist with wetland impact assessments, restoration design and implementation, inventory, monitoring, protection, management, regulatory compliance (e.g., §404 permits, Director's Order #77-1 Statements of Finding), and review of delineations and functional assessments. NOTE: For construction projects, wetland delineations and functional assessments for §404 permits or DO #77-1 compliance should be conducted by private contractors. Regional and WASO contacts will continue to evaluate wetland banking opportunities and activities. Contact: Paul Burger at 907-644-3577, or by electronic mail at paul_burger@nps.gov.

AKRO Wilderness: Provide support to parks wishing to enhance wilderness stewardship and preserve wilderness character. Provide policy and ANILCA review and interpretation; assist with wilderness and backcountry stewardship plans; review compliance documents for NEPA, minimum requirements analysis, and other planning or compliance requirements; conduct wilderness training, support development of wilderness character narratives and wilderness character monitoring. Contact: Adrienne Lindholm at 907-644-3581, or by electronic mail at Adrienne_lindholm@nps.gov.

AKRO Wildlife Health and One Health: Provide assistance and consultation on wildlife health issues, including disease monitoring and investigation; diagnostic sample collection, submission, and analysis; wildlife-domestic animal disease interactions; field anesthesia and use of drugs; fertility control; euthanasia; and animal welfare. Assist with design of protocols for research on live animals including Institutional Animal Care and Use reviews. Also consult on protection and promotion of the health of all species, including humans, and the parks we share through a One Health approach that includes zoonotic disease prevention, surveillance, management, and communication. Contact: David Payer at 907-644-3578, or by electronic mail at david_payer@nps.gov.

AKRO Wildlife Conservation and Stewardship: Assist with identifying issues, designing and implementing studies, addressing site-specific policy/regulatory concerns, analyzing information, reviewing documents, and assessing effectiveness of alternative management actions relating to wildlife conservation and stewardship. Assist with migratory species programs and other efforts. Contact: Mary Hake at 907-644-3576, or by electronic mail at mary_hake@nps.gov; or David Payer at 907-644-3578, or by electronic mail at david_payer@nps.gov.

AKRO Vanishing Treasures (AKR/IMR): Contact: Lauren Meyer at (505) 988-6861 (lauren_meyer@nps.gov) or Jennifer Weinberger Pederson at 907-644-3456, (jennifer_pederson@nps.gov)
NOTE: See [IMR Vanishing Treasures](#) for detailed program area description

AKR Cultural Resources (AKR-CR) Regional Technical Assistance Program Areas: Ensure park cultural resources are preserved as tangible links between previous, current, and future generations. Assist federal agencies, state or local governments, tribes, native corporations, and citizen organizations with the preservation, protection, and interpretation of cultural resources. Oversee and advise compliance with federal law, regulations, and policy. The types of technical assistance available from the AKR Cultural Resources Regional Team are outlined below. As needed, regional contacts will direct questions/requests to WASO contacts with greater specific expertise.

AKR-CR Affiliated Areas: Collaborate with the two affiliated areas authorized by Congress located in Alaska: Aleutian World War II National Historic Area and Iñupiat Heritage Center. Provide technical support to ensure partners are engaged with NPS staff as needed; initiate and/or coordinate projects that facilitate an understanding of the area's purpose and values; and provide coverage and presentation of resources in publications, programs, reports, briefings, and other print and digital media. Contact Rachel Mason at 907-644-3472 or by electronic mail at rachel_mason@nps.gov.

AKR-CR Anthropology: Provide technical assistance to parks, including with ethnographic overviews and assessments, traditional use studies, oral histories, and traditional place names. Manage the Cultural Resource Inventory System-Ethnographic Resources (CRIS-ER). Complete reviews of proposed undertakings for Section 106 compliance purposes. Contact Rachel Mason at 907-644-3472 or by electronic mail at rachel_mason@nps.gov

AKR-CR Archaeology: Provide technical assistance to parks, including: assisting with archeological inventories and studies; completing reviews of proposed undertakings for Section 106 compliance purposes; managing archaeological data and information in Cultural Resource Inventory System-Archeological Resources (CRIS-AR); processing applications for ARPA Permits (Archeological Resources Protection Act); conducting ARPA field and resource damage assessments when archeological sites are looted; and reviewing various planning, compliance, and resource management documents for parks. Contact Shina duVall at 907-644-3475 or by electronic mail at shina_duvall@nps.gov.

AKR-CR Cultural Landscapes: Provide interdisciplinary expertise and technical assistance for the identification, documentation, evaluation and analysis, and treatment of cultural landscapes, both listed and potentially eligible for the National Register of Historic Places; oversee production of Cultural Landscape Inventories and Cultural Landscape Reports; conduct condition assessments; manage the Cultural Resource Inventory System-Cultural Landscapes (CRIS-CL); provide NHPA Section 106 reviews; and participate in park planning and review of documents. Contact Grant Crosby at 907-644-3463 or by electronic mail at grant_crosby@nps.gov.

AKR-CR Heritage Assistance Program: Support historic preservation and heritage resources beyond park boundaries as driven by the mandates of the Historic Sites Act, provision of Section 1318 of the Alaska National Interest Lands Conservation Act, and under the National Register and National Historic Landmark Programs of the National Park Service. Provide technical advice and assistance to other Federal agencies, the state of Alaska, local governments, tribes, Alaskan Native groups, and citizen-based preservation associations. Contact Janet Clemens at 907-341-3461 or by electronic mail at janet_clemens@nps.gov.

AKR-CR Historic Structures: Support the Cultural Resource Inventory System-Historic Structures (CRIS-HS) to manage the region's historic structures inventory; produce Historic Structure Reports and condition assessments for historic buildings and structures; conduct reviews of proposed undertakings for Section 106 compliance purposes; prepare measured drawings for Alaskan buildings, structures, and landscapes as part of the Historic American Buildings Survey (HABS), Historic American Engineering Record (HAER), and Historic American Landscapes Survey (HALS); and nominate significant park resources to the National Register of Historic Places. Contact Grant Crosby at 907-644-3463 or by electronic mail at grant_crosby@nps.gov.

AKR-CR History: Provide technical assistance; conduct, manage, assist with, and review historic resource studies, Determinations of Eligibility/National Register nominations, administrative histories, special history studies, and oral history projects; conduct reviews of proposed undertakings for Section 106 compliance purposes; provide guidance and review for Determinations of Eligibility; participate in park planning and

review of documents; provide assistance with GPO SF-1 and requesting 508 compliant work . Contact Janet Clemens at 907-341-3461 or by electronic mail at janet_clemens@nps.gov.

AKR-CR Museum Collections: Provide professional guidance and technical assistance in the management of museum collections. Inventory, register, rehouse and catalog museum collections. Study and document the items in the collections and provide recommendations for ongoing preservation. Assist with the production of museum baseline documents including coordinating Collections Management Plan teams. Maintain the Alaska Region Curatorial Center (ARCC) as a collection storage location and hub for collections processing project for both archives and objects. Contact Kelsey Lutz at 907-644-3480 or by electronic mail at kelsey_lutz@nps.gov.

AKR-CR NAGPRA: Provide technical and compliance assistance regarding Native American Graves Protection and Repatriation Act (NAGPRA), regulations, and policies, including: Notices of Inventory Completion, of Intended Disposition, of Intended Repatriation; Plans of Actions; Inadvertent Discoveries; Comprehensive Agreements; Consultation; Repatriation; and Reburial Issues. Contact Jack Omelak at 907-341-3458 or by electronic mail at jack_omelak@nps.gov.

AKR-CR Other: For technical assistance requests not covered in the AKR-CR program areas. Requests can be park-based or for partners. Contact Jennifer Pederson Weinberger at 907-644-3456 or by electronic mail at jennifer_pederson@nps.gov.

AKR-CR Section 106: Provide National Historic Preservation Act (NHPA) Section 106 technical assistance, including: reviewing projects, particularly for large or complex projects; participating in consultation meeting as invited; conducting site visits as needed; assisting in the development of agreement documents (MOAs and PAs); managing the region's annual and biennial reporting requirements; and conducting on-site and webinar Section 106 training and workshops. Contact Janet Clemens at 907-341-3461 or by electronic mail at janet_clemens@nps.gov.

Intermountain Region Office of Natural Resource Stewardship and Science: When the Region determines a Technical Assistance Requests (TAR) will be fulfilled through Region NRSS based resources; this office will manage and oversee the process of routing the TAR to the appropriate Region based program area(s). Contact: David Vana-Miller (David_Vana-Miller@nps.gov) 303 969 2854, Don Weeks (Don_Weeks@nps.gov) 303 987 6640, Mike Wrigley (Mike_Wrigley@nps.gov) 303-969-2929,

IMR Biological Resources: Focal areas include management of: wildlife, fisheries, invasive species (plant and animals), native species restoration, Integrated Pest Management (IPM), livestock grazing, and ecological restoration.

- Endangered Species Act (ESA) listed (Threatened and Endangered) species
- Migratory Bird Treaty Act (MBTA) birds
- Species of Concern

Contact: John Mack at 303-969-2929 or by electronic mail (John_Mack@nps.gov)

IMR Physical Resources: Focal areas include air resources, water resources, and geologic resources. Contact: Don Weeks at (303) 987-6640 or by electronic mail (Don_Weeks@nps.gov)

IMR Natural Sounds and Night Skies:

Contact: Randy Stanley at (303) 987-6890 or by electronic mail (Randy_St Stanley@nps.gov)

Intermountain Region Cultural Resources Program: Provides assistance to facilitate the identification, evaluation, preservation, and protection of a broad spectrum of cultural resources in the disciplines of archaeology, historic architecture, historic landscapes, cultural anthropology, history and museums and archives. As more fully describe below, program staff can help to:

- identify management alternatives and assess their effectiveness
- review planning and compliance documents
- design specialized resource inventories
- support park Native American Graves Protection and Repatriation Act (NAGPRA) consultation and repatriation efforts
- address site-specific policy/regulatory questions
- develop project funding proposals (PMIS)
- perform peer reviews; and
- prepare Cultural Resources Stewardship Assessments (CRSAs) and contribute to Resource Stewardship Strategy (RSS) documents.

Each cultural resource program is able to fund regular travel costs for technical assistance projects, and in some cases, such as when the Vanishing Treasures program provides in-park training, park funding for travel and salaries may be requested.

When the Region determines a Technical Assistance Request (TAR) will be fulfilled through Region-based cultural resource staff, this office will manage and oversee the process of routing the TAR to the appropriate Region-based program area(s) described below:

IMR Anthropology: The *Cultural Anthropology Program* provides technical assistance to parks to understand the relationships of traditionally associated peoples, especially American Indian Tribes, with park resources that then helps facilitate park management and builds sustainable relationships with those cultural communities. Studies and technical assistance are supported by this program, including:

- ethnographic overviews and assessments
- NAGPRA compliance, including Notices of Inventory Completion, of Intended Disposition, of Intended Repatriation; Plans of Actions; Inadvertent Discoveries; Comprehensive Agreements; Consultation; Repatriation; and Reburial Issues
- traditional use studies
- landscape inventories
- application of traditional ecological knowledge (TEK) to ecosystem management
- incorporation of tribal histories and contemporary significance of park lands into interpretation programs
- serving on IDTs
- skill building in and facilitation of tribal consultation for natural and cultural resource issues
- reviewing PMIS proposals
- developing scopes of work and cost estimates
- identifying researchers
- assisting parks with project management including serving as ATRs; and
- addressing complex issues requiring cultural sensitivity and expert knowledge of statutes and regulations.

Contacts:

Amy Cole (303-969-2894) or amy_k_cole@nps.gov

Kim Greenwood (303-969-2245) or kim_greenwood@nps.gov, Cultural Anthropology/Tribal Consultation/TEK

IMR Archeology: The Intermountain Archaeology Program focuses on assisting parks and programs to identify, protect, preserve, and better understand archeological resources. The staff of the program possess a wide range of archeological expertise and experience (e.g., Ancestral Puebloan archeology, Rocky Mountain and High Plains pre-contact archeology, Colonial and Contact-period archeology, historic-period mining and ranching archeology, and frontier fort archeology) which can be readily applied to meet the archeological needs of many parks. Intermountain Archeology Program staff provide technical assistance, including:

- conducting archeological inventories for Section 110, 106 or research purposes consistent with NPS Management Policies
- reviewing proposed projects for NHPA Section 106 compliance as part of park CRM Teams
- conducting small-scale archeological studies (inventory or excavation) needed for NHPA Section 106 compliance
- interpreting federal preservation laws, NPS Management Policies, and Director's Order 28 and 28A guidance pertaining to archaeological stewardship
- NAGPRA-related inadvertent discoveries documentation, recovery, and protection
- READ (resource advisor) assistance to parks and Incident Management Teams
- assisting with ARPA permitting (all ARPA Permit Applications are received by and processed through the Intermountain Archaeology Program)
- archeological data management such as updating Cultural Resources Information System for Archeology (CRIS AR) records and the improvement of archeological site information in GIS
- conducting condition assessments of archeological resources and developing treatment plans
- drafting PMIS project statements and scopes of work
- Assisting parks with Archeological Management Plans
- serving as ATRs for cooperative agreements and as CORs for contracted archaeological services; and
- assisting parks in fostering archaeological research to benefit interpretive and educational opportunities by:
 - setting archeological stewardship priorities
 - partnering with archaeologists in the academic community and in non-profit organizations
 - assisting with public outreach efforts related to archeological resources.

Contact: Jim Kendrick at (505) 988-6758 (or at 505-206-8110 during pandemic-related telework) or by electronic mail (jim_kendrick@nps.gov)

IMR Cultural Landscapes, IMR Historic Preservation Services: In January of 2020, the historic preservation programs in the regional office supporting DOI regions 6, 7 & 8 were reorganized. The **Cultural Landscapes, Historic Structures, History and Vanishing Treasures** Programs were brought together under the umbrella of the Intermountain Historic Preservation Services (HPS) Program. This was done in order to create opportunities for collaboration across disciplines and to enhance program response related to park historic preservation and site conservation needs. Please submit TARS indicating the specific program area to be engaged. For information on the HPS Program and services, please contact Lauren Meyer at 505.670.2372 or by electronic mail (lauren_meyer@nps.gov).

The Cultural Landscapes Program provides professional interdisciplinary expertise and technical assistance for the identification, documentation, evaluation and analysis, and treatment of cultural landscapes, both listed and potentially eligible for the National Register of Historic Places. The staff areas of expertise are in planning and design (treatment) for the rehabilitation, preservation, and restoration of cultural resources at both the landscape scale and the individual feature scale. Landscape architects and other program staff collaborate with parks to provide assistance, including:

- NHPA Section 110/106 documentation and compliance
 - Cultural Resource Inventory System – Cultural Landscapes (CRIS-CL)
 - New Cultural Landscape Inventory efforts

- Condition assessments and updates
 - CRM Team participation and reviews in PEPC
- collaborative development and review of park planning efforts, preservation maintenance plans, preservation design guidelines, vegetation management plans, fire management plans, environmental assessments (EA), and environmental impact statements (EIS), and many other planning and design documents.
- technical assistance and training for preservation planning, from NHPA Section 106 consultation and IDT participation, where possible, to specialized training in park settings.
- coordinating the efforts of CRM and Facilities Management within parks by:
 - assisting in PMIS project development
 - project management of funded projects across a variety of fund sources
 - design/treatment specifications and drawings reviews
 - coordination and planning for park compliance and documentation needs in alignment with yearly project funding cycles
- provide specialized training about project development, resource documentation and evaluation, accessibility and sustainable design, preservation horticulture, landscape feature treatments, design guidelines, and others to fit park needs and with available funding.

Contact: Fielding Link at 505.917.3986 (thomas_link@nps.gov) or Lauren Meyer at 505.670.2372 (lauren_meyer@nps.gov)

IMR History: The *History Program* explores the diverse histories of the region's parks, working to ensure parks are incorporating the most recent scholarship into baseline documentation. Angela Sirna, the history program lead, specializes in twentieth century US history, landscape studies, and public history. Specifically, she has deep knowledge of the history of the National Park Service. Though the regional Park History Program may be small, we partner with universities and professional organizations to expand our work. We provide technical assistance in the following areas:

- Project management services for history baseline documentation (historic resource studies, Determinations of Eligibility/National Register nominations, administrative histories, special history studies, and oral history projects). Project management includes writing PMIS statements, drafting scopes of work, identifying researchers, and serving as ATR/COR.
- Help identify historic properties for NHPA Section 110. Provide guidance and review for Determinations of Eligibility. May complete some DOE's depending upon scope and availability.
- Drafting and reviewing PMIS statements.
- Review historical research sections in planning documents.
- Review proposed projects for NHPA Section 106 compliance as part of park CRM Teams.
- Provide training on National Register of Historic Places, National Park History, and researching historic properties.
- Foster research to benefit interpretive and education opportunities by establishing priorities, coordinating with interpretation and education division, partnering with academic and professional organizations, and assisting with outreach efforts related to park history.

Contact: Dr. Angela Sirna at 505.467.9038 (angela_sirna@nps.gov) or Lauren Meyer at 505.670.2372 (lauren_meyer@nps.gov)

IMR Historic Structures: The *Historic Structures Program* provides professional expertise and technical assistance for the identification, documentation, evaluation and analysis, and treatment of historic structures, both listed and potentially eligible for the National Register of Historic Places. The staff areas of expertise are in planning and design for the preservation, rehabilitation, and restoration of cultural resources. Architects and other program staff collaborate with parks to provide assistance, including:

- Section 110/106 documentation and compliance technical assistance;
- condition assessments;
- documentation and inventory/monitoring through the Cultural Resource Inventory System – Historic Structures (CRIS - HS);
- scoping and review of Historic Structures Reports;
- scoping and review of treatment/management plans at a variety of scales;
- collaborative development and review of preservation maintenance plans;
- coordinating the efforts of CRM and Facilities Management within the Parks by:
 - assisting in PMIS project development
 - providing project management services for funded projects across a variety of fund sources
 - reviewing design/treatment specifications and drawings
 - coordinating and planning for park compliance and documentation needs in alignment with yearly project funding cycles; and
- providing specialized training about project development, resource documentation and evaluation, accessibility and sustainable design, among other topics, to fit park needs and with available funding.

Contact: Lauren Meyer at 505.670.2372 (lauren_meyer@nps.gov).

IMR Vanishing Treasures: The *Vanishing Treasures (VT) Program* assists parks and partners in the preservation of the deteriorating, yet significant and unique architectural heritage of the Western United States, including buildings and structures from the Pre-Contact through the Historic periods. Note that priority is given to those resources that fall under the VT resource definition ^[1] in park units in the arid west, followed by those VT resources in greater legacy IMR, PWR, and AKR. Requests for assistance on resources that fall outside of the definition, geographic area, and agency (NPS) will be accepted on a case-by-case basis.

The VT program assists with historic preservation needs related to architectural conservation, historic architecture and structural engineering for a subset of culturally significant Pre-Contact Period and historic buildings and structures. All staff have a variety of specialized training in both traditional and modern building techniques and materials. VT experts are highly skilled in the evaluation, stabilization, treatment, and monitoring of heritage resources, and have worked throughout the west on a range of architectural materials, including adobe; earth and lime-based mortars, plasters and renders; stone and brick masonry; log; and wood frame. Program staff have experience with:

- project development (using FMSS and PMIS);
- development of scopes of work and site-specific work plans;
- contract and task agreement development, implementation and management;
- site documentation;
- treatment development, testing and implementation;
- site monitoring;
- project reporting;
- historic preservation training development and implementation; and
- other preservation needs for a wide variety of structures and building materials.

Requests for VT technical assistance generally fall into three distinct areas:

1. Project guidance, development and oversight: VT Program staff provide technical guidance in the following areas:
 - A. *Structural engineering*, including assistance with development of monitoring strategies and plans, identification of causes of failure of structures or portions of sites, and determination of actions to protect and stabilize structures and sites;

- B. *Historic architecture*, including condition assessment, guidance on appropriate preservation treatments, guidance on addressing NHPA Section 106, and guidance on meeting the Secretary of the Interior’s Standards for Historic Preservation; and
- C. *Architectural conservation*, including guidance on appropriate methods of documentation, assistance with condition assessment, guidance on treatment development, treatment testing on a variety of preservation materials, and implementation of treatments.

Please note that requests requiring extended periods of investigation and analysis may be accommodated with assistance from partner organizations.

2. Project execution: The VT Program has the expertise to assist with the development and execution of on-the-ground preservation projects. Much of this work is accomplished through partnerships with universities, Non-Governmental Organizations and established Youth Corps. When time allows, small-scale, discrete projects can be accomplished by VT technical staff.

Projects to be accomplished on resources that are outside of the VT resource focus and geographic area should be directed to the regional Facility Management and Historic Structures programs or the Historic Preservation Training Center (HPTC) in Frederick, MD.

3. Training development and delivery: VT staff are available to coordinate and/or lead training sessions focused on both traditional and modern building materials and techniques for parks seeking skills enhancement for their employees and/or the creation of programs focused on developing and enhancing preservation skills in youth and others. This is accomplished through the design and delivery of focused workshops, field-schools and on-site project-based training.

Training focus areas include, but are not limited to:

- Traditional building practices and materials;
- Preservation philosophy; and
- Standard and state-of-the-art preservation approaches and conservation treatments.

In partnership with the Western Center for Historic Preservation (WCHP)^[2], the VT Program also continues to deliver courses from the Vanishing Treasures Training Program curriculum, which has been in-place since 2014.

Contact: Ian Hough at 928.-699.9409 (ian_hough@nps.gov) or Lauren Meyer at 505.670.2372 (lauren_meyer@nps.gov)

^[1] The unique and irreplaceable resources addressed through the Vanishing Treasures Program range from several decades to several centuries old, and many are considered to be preeminent examples of their type and time period. They are important to our national heritage, and many hold significant meaning for traditional communities. Specialized knowledge and skills are needed to preserve these pre-contact and historic period buildings and structures in order to ensure their survival and the retention of their integrity.

A VT resource:

- Is representative of a significant time period or cultural tradition; and
- Was primarily constructed of local and/or traditional materials using traditional tools and techniques; and
- Retains a high percentage of original fabric; and
- Is out of use and maintained in an as-found condition; and
- Is missing some or all of its critical systems (i.e. functioning roofs, windows, doors, etc.), therefore requiring a specialized approach to preservation; and
- Is primarily managed according to the “Preservation” standard of the Secretary of the Interior’s Standards for the Treatment of Historic Properties, with the goal being to stabilize, protect and maintain, and repair historic fabric and features, with limited replacement-in-kind; and
- Is eligible for or listed on the National Register of Historic Places.

^[2] As of October 2019, the Western Center for Historic Preservation (WCHP) was shifted organizationally to be under the Historic Preservation Training Center (HPTC) based in Frederick, MD. The VT training curriculum will continue to be developed and delivered as B.E.S.T. (Brick, Earth, Stone and Timber) Workshops in partnership with WCHP and HPTC.

IMR Museum Services: The *Museum and Library Services Program* manages the Western Archeological and Conservation Center (WACC) where over 16.5 million objects, archives and specimens from 75 parks are stored, as well as the WACC, Santa Fe, and SOAR Libraries. Staff can help parks with moving collections to and from the facility and providing access to them. Evaluation, development, and improvement of facilities for storing museum collections to implement the IMR Museum Facility Management Plan, as well as information management assistance, particularly the creation and management of digital assets and records are focus areas of the program. Technical assistance is offered, including:

- PMIS project development
- program reviews
- production, updating, and implementation of baseline park museum management documents like Scope of Collections Statements and Collection Management Plans and museum and library policies and procedures
- Curators can help park staff:
 - complete storage improvements, exhibits, and accountability efforts
 - address legacy data and NAGPRA issues for park collections housed at WACC
 - identify, process, and catalog artifacts and specimens
- Conservators can assist parks with:
 - examining, documenting, treating, and providing preventive care for ethnographic, prehistoric, historic, and natural history objects
- Archivists can train and assist park personnel with:
 - the identification, appraisal, processing, cataloging, and storage of park archival and photographic collections
- using agreements and contracts to accomplish museum work; and
- assembling data for and assisting parks with developing CRSAs and RSSs.

Contact: Tef Rodeffer at (505) 791-6401 or by electronic mail (tef_rodeffer@nps.gov)

IMR Regional Section 106 Coordinator: The *Regional Section 106 Coordinator* provides National Historic Preservation Act (NHPA) Sections 106 and 110 technical assistance, including:

- project review and comment
- on-site and webinar NHPA training and workshops
- site visits for thorny undertakings
- guidance on implementation of the Secretary of Interior's Standards for the Treatment of Historic Properties
- assisting in the development of agreement documents (MOAs and PAs)
- participation in Section 106 consulting party meetings or discussions with SHPOs; and
- acting as the regional point of contact for the NPS Nationwide Programmatic Agreement (PA) covering the implementation of Section 106, including questions related to annual and biennial reporting.

Contact: Amy Pallante at 303-987-6673 or by electronic mail amy_pallante@nps.gov

IMR Southern Arizona Office (SOAR): The *Southern Arizona Office (SOAR)* offers technical assistance to parks on cultural resource management issues including archeology, spatial documentation (GIS), historic preservation, data management, and compliance as well as cultural resource project planning and implementation. The SOAR staff includes Archeologists, a Historical Architect, a Geographer (GIS), NHPA/NEPA specialists, a Hydrologist, Agreement Technical Representatives (ATR) and Facility Management System Software (FMSS) experts.

Technical assistance requests can be submitted for the following areas:

- 1) Planning and completing Section 106/NEPA compliance. This includes assistance with the development of PEPC projects, compliance packages and project review through Interdisciplinary Team (IDT) assignments.
- 2) Planning and implementation of near-range remote sensing and spatial documentation projects. The SOAR office has the capacity to complete terrestrial laser scanning [lidar] and structured-light scanning projects, photogrammetric documentation, Ground Penetrating Radar [GPR] survey, and high precision and resolution mapping projects, as well as more generalized GIS services. SOAR can also assist with the development of agreements and contracts for all remote sensing and spatial documentation projects.
- 3) Assistance with historic preservation project planning and implementation including condition assessments of archeological sites and historic properties and the development of treatment recommendations and cost estimates.
- 4) Assistance with Servicewide Comprehensive Call (SCC) project development including the writing and review of cultural resource project proposals.
- 5) Guidance on strategies for FMSS and Maintained Archeological Site (MAS) data management including data entry, condition assessments and the development of work orders.
- 6) Archeological research, investigation and survey including assistance with peer review of technical literature, assistance with the development, review and implementation of testing, data recovery and survey plans.

Contact: Matt Guebard at 928.649.6195 x225 (matt_guebard@nps.gov)

Midwest Region Office of Natural Resource Stewardship and Science: When the Region determines a Technical Assistance Request (TAR) will be fulfilled through Region based resources; this office will manage and oversee the process of routing the TAR to the appropriate Region based program area(s).

Contact: Scott Carleton (scott_carleton@nps.gov) (402) 206-3147, Carmen Thomson

(Carmen_Thomson@nps.gov) (402) 661-1876, Julie Stumpf (Julie_Stumpf@nps.gov) (219) 395-1522

Midwest Regional Cultural Resources Program: Provides assistance to facilitate the identification, evaluation, preservation, and protection of a broad spectrum of cultural resources in the disciplines of archaeology, historic architecture, historic landscapes, cultural anthropology, history, and museums and archives. As more fully described below, program staff can help to:

- identify management alternatives and assess their effectiveness
- review planning and compliance documents
- design specialized resource inventories
- support park Native American Graves Protection and Repatriation Act (NAGPRA) consultation and repatriation efforts
- address site-specific policy/regulatory questions
- develop project funding proposals (PMIS)
- perform peer reviews; and
- prepare Cultural Resources Stewardship Assessments (CRSAs) and contribute to Resource Stewardship Strategy (RSS) documents.

Each cultural resource program may be able to fund travel costs for limited technical assistance, and in some cases, when Regional staff provides in-park training, park funding for travel and salaries may be requested.

When the Region determines a Technical Assistance Request (TAR) will be fulfilled through Region-based cultural resource staff, this office will manage and oversee the process of routing the TAR to the appropriate Region-based program area(s) described below:

MWR Anthropology: The *Cultural Anthropology Program* provides technical assistance to parks to understand the relationships of traditionally associated peoples with park resources that then helps facilitate park management and builds sustainable relationships with those cultural communities. Technical assistance is available for:

- NAGPRA compliance, including Notices of Inventory Completion, of Intended Disposition, of Intended Repatriation; Plans of Actions; Inadvertent Discoveries; Comprehensive Agreements; Consultation; Repatriation; and Reburial Issues
- serving on IDTs
- reviewing PMIS proposals
- developing scopes of work and cost estimates
- identifying researchers
- assisting parks with project management including serving as ATRs; and

Scoping and project management support are provided by this program for studies and projects, including:

- ethnographic overviews and assessments
- ethnographic resource inventories
- traditional use studies
- ethnographic landscape inventories
- application of traditional ecological knowledge (TEK) to ecosystem management
- incorporation of tribal histories and contemporary significance of park lands into interpretation programs
- skill building in and facilitation of tribal consultation for natural and cultural resource issues
- addressing complex issues requiring cultural sensitivity and expert knowledge of statutes and regulations.

Contact: Michael Evans at 402-230-8834 (michael_evans@nps.gov)

MWR Archeology: The Midwest Archeological Center (MWAC) is a professional archeological support office of the National Park Service (NPS) located in Lincoln, Nebraska. It has provided archeological research and resource management services to parks in the Region since 1969. MWAC is organized to provide the highest quality archeological services in an effective, productive, and timely manner. The staff has proven to be responsive to park needs, and they are willing to work with managers to find efficient and effective ways to accomplish needed archeological work.

As a recognized NPS archeological center, MWAC offers a full range of archeological services to assist park staff with the management of archeological resources and serves as the principal repository for archeological collections from the Region's parks. MWAC provides the following services:

- conducts archeological resource inventory, evaluation, and excavation in parks for Section 110 and 106 of the NHPA, or research purposes consistent with NPS Management Policies
- assists with park-related planning efforts
- assists with the review of regional planning and management documents
- conducts and sponsors applications of non-destructive geophysical investigations of archeological resources
- manages information databases about the archeological resources for all Midwest Region parks
- promotes public outreach activities designed to educate the public about the nature and value of archeological resources
- reviews proposed projects for NHPA Section 106 compliance as part of park CRM Teams

- interprets federal preservation laws, NPS Management Policies, and Director's Order 28 and 28A guidance pertaining to archeological stewardship
- NAGPRA-related inadvertent discoveries documentation, recovery, and protection
- READ (resource advisor) assistance to parks and Incident Management Teams
- ARPA permitting (all ARPA Permit Applications are received by and processed through the Midwest Archeological Center)
- archeological data management such as updating Cultural Resources Information System for Archeology (CRIS AR) records and the improvement of archeological site information in GIS
- conducts condition assessments of archeological resources and developing treatment plans
- drafts PMIS project statements and scopes of work
- assists parks with Archeological Management Plans
- serves as ATRs for cooperative agreements and as CORs for contracted archeological services
- assists parks in fostering archeological research to benefit interpretive and educational opportunities by:
 - setting archeological stewardship priorities
 - partnering with archeologists in the academic community and in non-profit organizations
 - assisting with public outreach efforts related to archeological resources
- assists parks with management of their archeological collections in the MWAC repository by:
 - meeting or exceeding DOI and NPS curatorial facility and collection management standards
 - providing access to collections for park staff and outside researchers
 - coordinating intake of park archeological collections from contractors and cooperators
 - troubleshooting and processing legacy archeological collections transferred from long-time NPS cooperators
 - completing scanning or imaging projects of collection materials
 - setting conservation priorities for archeological collection materials
 - reviewing draft PMIS projects related to archeological collections
 - conducting inventories of archeological collections, as needed
 - coordinating movement of collections between MWAC and parks

Contact:

For Archeology Program contact Ann Bauermeister at 402-437-5392 x140 or by e-mail at (ann_bauermeister@nps.gov)

For MWAC repository issues contact Karin Roberts at 402-437-5392 x120 or by e-mail at (karin_roberts@nps.gov)

MWR Cultural Landscapes: The Cultural Landscapes Program works closely with the historic structures and CRIS-CL/HS inventory programs to provide professional expertise and technical assistance with the identification, documentation, evaluation and analysis, and treatment of cultural landscapes, characteristics and features. The Cultural Landscapes group's areas of expertise include landscape architecture, landscape architectural history, planning, and design. Combined the cultural landscapes and historic landscape & structure inventory program has over 50 years of experience practicing with the NPS. Technical assistance offered by this group includes:

- NHPA Section 110 identification, documentation, and consensus determinations on eligibility for Cultural Landscapes (CRIS-CL) and Historic Structures (CRIS-HS)
 - New Cultural Landscape and Historic Structure Inventory efforts
 - Condition assessments and updates
 - CRIS data management
 - Facility Management Software System (FMSS) data crosswalk
 - CR-GIS in partnership with the Midwest Archeological Center
 - Public Outreach and Education in partnership with the National Cultural Landscapes Program

- NHPA Section 106 compliance data provision, review and interdisciplinary team collaboration.
- Regional Review of park planning efforts, preservation maintenance plans, preservation design guidelines, vegetation management plans, fire management plans, environmental assessments (EA), and environmental impact statements (EIS), and many other planning and design documents.
- Training on use of CRIS, FMSS Crosswalk, and application of data for Sections 110/106, for planning.
- Coordinating the efforts of CRM and Facilities Management by assisting with:
 - PMIS project development
 - project scope of work and budget development
 - project management of funded projects across a variety of fund sources
 - design/treatment specifications and drawings reviews
 - coordination and planning for park compliance and documentation needs in alignment with yearly project funding cycles
- Providing information and/or training about project development, resource documentation and evaluation, accessibility and sustainable design, preservation horticulture, landscape feature treatments, design guidelines, and similar topics to address park needs and budget.

Contact:

Marla McEnaney at 906-235-7407 (marla_mcenaney@nps.gov) Treatment Decisions and Documents

Roberta Young at 402-906-6684 (roberta_young@nps.gov) Inventory Program Coordination, Data Management – CRIS-CL and CRIS-HS

Leah Edwards at 402-661-1940 (leah_edwards@nps.gov) CRIS, Treatment, and FMSS Crosswalk

MWR History: The Park History Program explores the diverse histories of the region’s parks, working to ensure parks are incorporating the most recent scholarship into baseline documentation. We provide technical assistance in the following areas:

- Project management services for history baseline documentation (historic resource studies, Determinations of Eligibility/National Register and in-park National Historic Landmark nominations, administrative histories, special history studies, and oral history projects). Project management includes writing PMIS statements, drafting scopes of work, identifying researchers, providing cost estimates, and serving as COR.
- Help identify historic properties for NHPA Section 110. Provide guidance and review for Determinations of Eligibility.
- Draft and review PMIS statements.
- Review historical research sections in planning documents.
- Reviews all park history documents.
- Review proposed projects for NHPA Section 106 compliance as part of park CRM Teams.
- Provide training on National Register of Historic Places, National Park History, and researching historic properties.
- Foster research to benefit interpretive and education opportunities by establishing priorities, coordinating with interpretation and education division, partnering with academic and professional organizations, and assisting with outreach efforts related to park history.

Contact: Ron Cockrell at (office) 404-661-1922; (cell) 402-658-4105 (ron_cockrell@nps.gov)

MWR Historic Structures: The Historic Structures Program provides professional expertise and technical assistance for the management of historic properties. The staff areas of expertise are in research, analysis planning and design for preservation and rehabilitation of historic sites. Historical Architects and other program staff collaborate with parks to provide assistance, including:

- Section 110/106 documentation and compliance;
- condition assessments;

- documentation and inventory/monitoring through the Cultural Resource Inventory System – Historic Structures (CRIS - HS);
- scoping and review of Historic Structures Reports;
- scoping and review of treatment/management plans at a variety of scales;
- collaborative development and review of preservation maintenance plans;
- coordinating the efforts of CRM and Facilities Management within the Parks by:
 - assisting in PMIS project development
 - assisting with project management for funded projects across a variety of fund sources
 - reviewing design/treatment specifications and drawings
 - coordinating and planning for park compliance and documentation needs in alignment with yearly project funding cycles; and
- providing specialized training about project development, resource documentation and evaluation, accessibility and sustainable design, among other topics, to fit park needs and with available funding.

Contact:

John Rosemurgy at 906-483-3036 (john_rosemurgy@nps.gov)

Bill Harlow at 402-661-1930 (bill_harlow@nps.gov)

MWR Museum Services: The *Museum Program* provides professional expertise and technical assistance for the management of museum collections. Staff can help parks with:

- planning and budgeting for packing and moving collections in preparation for projects that impact museum facilities
- evaluating facilities storing museum collections
- developing PMIS project statements
- collaborative development and review of baseline park museum management documents like Scope of Collection Statements and Collection Management Plans

Contact: Heather Young at (402) 661-1950 or by email at (heather_young@nps.gov)

MWR Regional Section 106 Coordinator: The *Regional Section 106 Coordinator* provides National Historic Preservation Act (NHPA) Sections 106 and 110 technical assistance, including:

- project review and comment
- on-site and webinar NHPA training and workshops
- site visits for thorny undertakings
- guidance on implementation of the Secretary of Interior's Standards for the Treatment of Historic Properties
- assisting in the development of agreement documents (MOAs and PAs)
- participation in Section 106 consulting party meetings or discussions with SHPOs; and
- acting as the regional point of contact for the NPS Nationwide Programmatic Agreement (PA) covering the implementation of Section 106, including questions related to annual and biennial reporting.

Contact: Stephen Rogers at 402-661-1912 (stephen_rogers@nps.gov)

NCR Resource Stewardship and Science: When the Region determines a Technical Assistance Requests (TAR) will be fulfilled through Region based resources; this office will manage and oversee the process of routing the TAR to the appropriate Region based program area(s). For natural resources contact: Patrick Campbell (j_patrick_campbell@nps.gov) 202-339-8329 and for cultural resources contact Sam Tamburro (sam_tamburro@nps.gov) 202-619-7146. Contact Diane Pavek (diane_pavek@nps.gov; 202-339-8309) for assistance with problems entering park requests and supporting documents into STAR.

Northeast Region Office of Natural Resource Stewardship and Science Program Areas:

When the Region determines a Technical Assistance Requests (TAR) will be fulfilled through Region based

resources; this office will manage and oversee the process of routing the TAR to the appropriate Region based program area(s). Contact: Carmen Chapin (Carmen_Chapin@nps.gov) (215)-597-7700, Sheila Colwell (Sheila_Colwell@nps.gov) (814)-863-8352

NER Air resources: Provide expertise on air quality data interpretation (as it relates to compliance and park planning); identifying state and federal monitoring in close proximity to park; identifying park monitoring needs; technical assistance on state or federal air quality permit reviews; expertise on impacts of new energy infrastructure development; assistance on ecological impacts of ozone, acid deposition and visibility impairment on park resources; review of state or federal air regulations that may impact park operations; technical assistance in understanding visual resources and developing visual resource management plans or actions. Contact: Holly S. Salazer, (814) 865-3100, Holly_Salazer@nps.gov

NER Archeology: The Archeology Program delivers technical assistance to parks by conducting or managing archeological inventories and studies; completing reviews of proposed undertakings for Section 106 compliance purposes; scoping work needed to comply with Section 106; serving as CORs for contracted archeological services; writing cooperative agreements for partnerships and serving as ATRs; coordinating archeological activities with state and tribal historic preservation offices; and managing archaeological data and information in ASMIS (Archeological Site Management Information System). The Archeology Program also assists parks with damage assessments when archeological sites are looted. The program also process applications for ARPA Permits (Archeological Resources Protection Act), required for all research and third-party archeological work. Assistance in developing project statements in PMIS is also provided. The Archeology Program also reviews various planning, compliance, and resource management documents for parks and other regional programs. Contact: James Nyman, (978) 770-5034, James_Nyman@nps.gov

NER Coastal Ecology: The Ocean and Coastal Resources Program works to advance coastal and ocean stewardship in the National Park System through technical assistance to parks, scientific support focused on coastal issues, coordination with other agencies and non-governmental groups, and leveraging support with partners. The NER Coastal Ecologist delivers assistance to coastal parks in managing and planning for challenges associated with issues such as sea level rise, increased storm surge, coastal development, ocean acidification, non-native species, and increasing visitor use. Technical assistance to parks includes conducting or facilitating coastal resource studies; assisting with management activities and advising on methods for habitat restoration and incorporating coastal resilience in planning; reviewing and providing comments on activities proposed by non-NPS entities that have the potential to affect NPS coastal resources, including off-shore project proposals; assisting parks in developing new partnerships and funding opportunities, and providing guidance in drafting internal and external funding requests; and sharing coastal and marine resource information with parks from the regional and national level as well as relevant coastal research and management being conducted by partners. The Coastal Ecologist also reviews planning, compliance and resource management documents for parks, as well as regional and national documents when requested, and is available to provide assistance to parks outside the region when needed. Contact: Catherine Johnson, (267) 294-8525 catherine_johnson@nps.gov

NER Climate Change: Climate change is impacting many parks in the NER and all parks need to plan for future change. The climate change program in the NER supports parks and programs in taking action on climate change adaptation, science, mitigation, and communication to effectively meet the NPS mission in a changing climate. We provide technical assistance to parks on topics related to climate change adaptation:

- guidance on developing adaptation strategies and prioritizing adaptation actions;
- support for vulnerability assessments and scenario planning;
- identify adaptation options and decision support tools.

The primary focus has been coastal parks and natural resources, but we coordinate with cultural resource, interpretation and facilities efforts and other NER natural resource staff with a goal of supporting all parks to incorporate the best available climate science for stewardship of all resources. We coordinate with the Climate Change Response Program and the Climate Friendly Parks program for combined NER and WASO assistance. *Contact:* Amanda Babson, (401) 874-6015, Amanda_Babson@nps.gov

NER Geographic Information Systems and Science: The GIS Program provides quality geospatial information, services and training in support of agency resources, facilities, and operations for the management of parks and programs:

- Develops and implements a region-wide GIS program that addresses the priority needs of parks and the regional office.
- Implements projects including GIS strategy, mapping, web applications, and analyses.
- Advises on GIS strategies and practices that contribute to resource stewardship and are consistent with NPS policy, national and regional initiatives, and associated laws, executive orders, and regulations.
- Provides assistance with coordination, development, and management of active and legacy geospatial data to aid parks, programs, and staff within the regional office.
- Supports region parks and other NER program areas (Resource Stewardship, Facilities, Planning, Compliance, Administration, RTCA, Incident Management Team, NNL, NWSR, etc.) by assisting with GIS and GPS technology, data research, retrieval and creation, analysis, metadata, and cartography to address resource protection needs.
- Develops and maintains region-scale geospatial data and mapping products.
- Provides support for renewable energy projects, climate change issues, Large Landscape Conservation initiatives, and Exotic Plant Management Team Advisory Groups.
- Provides guidance for GIS software use, distribution, and installation.

Contact: James Farrell, (267) 908-2327, James_Farrell@nps.gov

NER Integrated Pest Management, Invasive Species: The IPM program provides support and guidance to park staff in the development of IPM strategies and practices that prevent unacceptable levels of pest damage to park resources while posing the least possible risk to human health, non-target organisms, and the environment. This includes support for all park related IPM issues including structural IPM, agricultural special use, forest health management, invasive species, and pesticide selection, safety and storage. The EPMT program provides expertise and assistance for the management of invasive plants and education on the threat they pose to resources and values in and around parks. In addition to on-site mechanical and chemical vegetation management work, the EPMT offers a broad range of services to its parks, including: grant based funding to parks, inventory and monitoring, technical advice and training, assistance with restoration projects, and early detection of new infestations and rapid response to control them. *Contact:* Casey Reese, (267) 800-8503, Casey_Reese@nps.gov

NER Tribal Consultation: Provide Tribal Consultation support to assist with government to government conversations, per Executive Order 18175 Consultation and Coordination with Tribal Governments and DOI ECM 97-2 Departmental Responsibilities for Indian Trust Responsibilities and Indian Sacred Sites on Federal Lands. Please include narrative to indicate request for any Natural or Cultural Resource Technical Assistance to include Tribal Consultation assistance. Requests could be for assistance on:

- Applying new Plant Gathering Regulation for Tribal Government,
- Planning documentation for sustainable resource co-management,
- On-Going or Advance Construction Compliance Documentation,
- Cultural or Natural Resource Management on Federal Land,
- Managing Cultural Resources where tribal interests are at stake,
- Preparing NAGPRA, Section 106, Section 110 strategies to mitigate impact to Tribal Trust or Sacred Resources, and

--- Facilitation of Outreach to tribal governments when community input is required or requested.

Contact: David Goldstein, (313) 506-5959, David_Goldstein@nps.gov

NER Water Quality and Ecological Effects: Provide expertise on water chemistry; instrumentation and sampling design; laboratory selection and sample analysis; inventory and monitoring protocols; groundwater quality monitoring and impact assessments; toxicity and contaminants assessments and aquatic risk assessments; aquatic biomonitoring; water quality – fisheries interaction and information interpretation. Assist on identification of issues and technical support related to wetlands (tidal and non-tidal systems), and environmental contaminant effects on biological and ecological function within these systems.

Contact: Pete Sharpe, (814) 865-7974, Peter_Sharpe@nps.gov

NER Wildlife: Provide technical advice and assistance on best alternatives for addressing wildlife-related issues in the region, including human-wildlife conflicts, wildlife health, at-risk species, and overabundant species; advise parks on Endangered Species Act policies and procedures; provide guidance with animal welfare requirements and the NPS Institutional Animal Care and Use Committee. Support is provided in the development of competitive research proposals, wildlife management planning, and meeting wildlife training needs.

Contact: Sheila Colwell, (814) 270-7537, Sheila_Colwell@nps.gov.

Pacific West Region Office of Natural Resource Stewardship and Science: When the Region determines a Technical Assistance Request (TAR) will be fulfilled through Region based resources; this office will manage and oversee the process of routing the TAR to the appropriate Region based program area(s).

Contact: Denise Louie (denise_louie@nps.gov) 415.623.2201

PWR Vanishing Treasures (IMR/PWR)

Contact: Lauren Meyer at (505) 988-6861 or by electronic mail (lauren_meyer@nps.gov)

NOTE: See [IMR Vanishing Treasures](#) for detailed program area description

SER Science and Natural Resources Management: Assist parks with Technical Assistance Requests (TARs) related to a wide range of natural resource management issues including wetlands, listed species, invasive species, coastal processes, and marine resources. TARs will be managed by regional staff and routed to appropriate Region-based program area(s). Contact: Mark Frey (Mark_Frey@nps.gov) 404-507-5704, Jeff Duncan (Jeff_Dunca@nps.gov) 423-987-6127.

SER Inventory & Monitoring: Assist parks with identifying and scoping natural resource inventory projects that support park management needs. Conduct long-term natural resource monitoring in parks to provide data on resource condition and trends. Assist parks with understanding and interpreting inventory, monitoring and other natural resource data and their applicability to park management needs. Natural resource inventory requests must be submitted through STAR to be considered for funding by the national I&M program. Other requests may be submitted through STAR or directly to your park's I&M network program manager. Contact: Brian Mitchell (Brian_Mitchell@nps.gov) 404-507-5820.

WASO Office of Natural Resource Stewardship and Science: When a WASO unit submits a Technical Assistance Request, this office will manage the review process and oversee the process of routing the TAR to the appropriate program area(s). Contacts: Vincent Santucci (vincent_santucci@nps.gov) 202-359-4124

V. FY 2021 Technical Assistance Call Manual Request Form

For Parks without NPS Intranet access - return to the region for entry into STAR

Region:	Park Priority:
Park:	Park Project Identifier: (four-letter park code plus sequential number)
Project Title:	
Park Contacts: (Name[s], telephone number[s], and e-mail address[es])	
Program Area or Target Expertise: (Identify the technical assistance subject area(s) from the categories contained in the Table of Contents and/or briefly describe the expertise needed.)	
Problem Statement: (A brief summary of the issue, including information pertaining to park management prescriptions/management objectives tied to the issue, known resources at risk, etc.)	
What are you asking the NRSS to do? (Provide consultation, protocol development, scoping, report writing, position paper, product development, etc.)	
What alternatives does the park have to accomplish the work?	
When is assistance needed? (Any constraints on when assistance needs to occur? How much time is being requested; estimate FTE hours)	
Travel Needs: (Will technical assistance staff need to travel to the site? Are park funds available for travel?)	
The Superintendent approves of this request: (Must say yes for request to be entered. It is incumbent on the requestor to ensure Superintendent approval of the request)	
Additional Information [Optional]:	