



# Environmental Services

## Federal Supply Schedule 899

**Contract Number:** GS-10F-087AA

**Contract Period:** February 1<sup>st</sup>, 2013 to January 31<sup>st</sup>, 2018

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at: <http://www.gsa.gov/schedules-ordering>

### OFFICE LOCATION AND CONTACT INFORMATION

**Contractor:** Hamer Environmental L.P. P.O. Box 2561, 1510 South 3rd Street, Mount Vernon, WA, 98273, USA

**Business Size:** Small Business

**Telephone and Fax:** Phone: (360) 899-5156 Fax: (360) 899-5146

**E-mail:** [Hamer@HamerEnvironmental.com](mailto:Hamer@HamerEnvironmental.com)

**Website:** [www.HamerEnvironmental.com](http://www.HamerEnvironmental.com)

**Contract Admin. :** Thomas Hamer

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### CUSTOMER INFORMATION

- 1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers:** 899-1
- 1b. Hourly Rates:** Labor Categories, Awarded Prices, and Descriptions

2. **Maximum Order:** \$1,000,000.00 (*Please contact the contractor for orders over \$1,000,000.00*)
3. **Minimum Order:** \$100.00
4. **Geographic Coverage (delivery Area):** Domestic Only
5. **Point(s) of production (city, county, and state or foreign country):** Mount Vernon, Skagit County, WA
6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted).
8. **Prompt payment terms:** Net 30
- 9a. **Notification that Government purchase cards are accepted up to the micro-purchase threshold:** No
- 9b. **Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold:** No
10. **Foreign items (list items by country of origin):** None
11. **Time of Delivery (Contractor insert number of days):** Specified on the Task Order
12. **F.O.B Points(s):** NOT APPLICABLE (Services)
- 13a. **Ordering Address:** Hamer Environmental, 1510 South 3<sup>rd</sup> Street, P.O. Box 2561, Mount Vernon, WA, 98273
- 13b. **Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPAs), and a sample BPA can be found at the GSA/FSS Schedule homepage ([fss.gsa.gov/schedules](http://fss.gsa.gov/schedules)).**
14. **Payment address:** Hamer Environmental, P.O. Box 2561, Mount Vernon, WA, 98273
15. **Warranty provision:** Contractor's standard commercial warranty.
16. **Export Packing Charges (if applicable):** NOT APPLICABLE
17. **Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):**  
Contact Contractor
18. **Terms and conditions of rental, maintenance, and repair (if applicable):** NOT APPLICABLE
19. **Terms and conditions of installation (if applicable):** NOT APPLICABLE
20. **Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable):**  
NOT APPLICABLE
- 20a. **Terms and conditions for any other services (if applicable):** NOT APPLICABLE
21. **List of service and distribution points (if applicable):** NOT APPLICABLE
22. **List of participating dealers (if applicable):** NOT APPLICABLE
23. **Preventive maintenance (if applicable):** NOT APPLICABLE
- 24a. **Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:** NOT APPLICABLE
- 24b. **If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contactor's website or other location.) The EIT standards can be found at: [www.Section508.gov/](http://www.Section508.gov/).**
25. **Data Universal Numbering System (DUNS) number:** 622524379

26. Notification regarding registration in Central Contractor Registration (CCR) database: Registered

**HAMER ENVIRONMENTAL PRICE LIST**

SIN	Labor Category or Job Title	Awarded Rate (including IFF)/Year 1
899-1	Program Manager	\$ 102.01/hr
899-1	Project Manager	\$ 92.60/hr
899-1	GIS Analyst	\$ 82.73/hr
899-1	Senior Environmental Scientist	\$ 73.62/hr
899-1	Research Biologist	\$ 61.49/hr
899-1	Biological Technician	\$ 51.62/hr

1. SCA Matrix: The Service Contract Act (SCA) is applicable to this contract as it applies to the entire Environmental Services Schedule and all services provided. While no specific labor categories have been identified as being subject to SCA due to exemptions for professional employees (FAR 22.1101, 22.1102 and 29 CRF 541.300), this contract still maintains the provisions and protections for SCA eligible labor categories. If and / or when the contractor adds SCA labor categories / employees to the contract through the modification process, the contractor must inform the Contracting Officer and establish a SCA matrix identifying the GSA labor category titles, the occupational code, SCA labor category titles and the applicable WD number. Failure to do so may result in cancellation of the contract.
2. In accordance with clause 52.212-3, Offeror Representations and Certifications – Commercial Items and clause 52.219-28, Post-Award Small Business Program Representation (Apr 2009), the Contractor has re-represented that the firm is still a small business concern and ORCA representations and certifications are current, accurate, and complete as cited at <http://orca.bpn.gov>.
3. For the purpose of the Economic Price Adjustment (EPA) only, revisions in the Commercial Price List (CPL) will enable Hamer LP to revise their prices and that increases on this contract will be in accordance with clause 552.216-70, Economic Price Adjustment FSS Multiple Award Schedule Contracts.
4. Quantity discounts offered are as follows:  
 Labor Categories: 3% discount for Task Orders exceeding \$150K.  
 4% discount for Task Orders exceeding \$500K.  
 5% discount for Task Orders exceeding \$1 M.

**CORPORATE PROFILE**

**Hamer Environmental** is dedicated to helping clients solve natural resources issues through state of the art scientific studies and research. Since 1992, we have provided quality environmental consulting to private companies, engineering firms, conservation groups, universities, tribal entities and government agencies.



**AREAS OF EXPERTISE**

Our team of creative and innovative scientists takes pride in performing a wide variety of environmental studies, impact assessments, monitoring and environmental documentation related to:

- Onshore/Offshore Wind energy
- Solar energy
- Geothermal energy
- Transmission lines
- Communication towers
- Hydroelectric facilities
- Forestry
- Road construction
- Marine shoreline developments
- Marine construction projects
- Oil and gas pipelines
- Transportation

## OUR SERVICES

Our natural resource team of wildlife & fisheries biologists, botanists, ecologists, and aquatic & wetland scientists provide a large variety of professional services and environmental studies related to:

- Environmental Assessments
- Environmental Impact Studies
- NEPA and SEPA Documentation
- Endangered Species Act Consultations
- Biological Evaluations and Biological Assessments
- Impact and Risk Assessments
- Aquatic and Terrestrial Habitat Assessments
- Cover Type Mapping and Habitat Modeling
- Habitat Conservation Plans
- Mitigation and Adaptive Management Plans
- Energy Facility Siting Studies
- Federal and State Permitting Assistance
- Habitat Restoration Plans and Monitoring
- Geographic Information System (GIS) Services
- Rare Plant and Noxious Weed Surveys
- Wetland Delineation and Mitigation
- Wetland and Stream Restoration Planning
- Fisheries/Aquatic Ecology
- Water Quality Sampling and Assessments
- Biomonitoring
- Stream Assessments
- Riparian Inventories and Studies
- Benthic and Terrestrial Invertebrate Studies
- Watershed Assessments
- Lake Assessments
- Threatened and Endangered Species Surveys (Marine and Terrestrial)
- Wildlife Studies (Bats, Birds, Mammals, Raptors, Amphibians)
- Ornithological Radar Studies
- Radio-telemetry Studies
- Population Level Risk Assessments
- Post-construction Mortality Studies
- Avian Risk of Collision Assessment

## OUR BUSINESS VALUES

**Hamer Environmental** is committed to excellence in natural resource consulting and in maintaining our core values. We believe quality environmental studies executed with insight and integrity will offer the answers to today's environmental problems. We establish life-long relationships with our clients. Caring for their environmental needs is the hallmark of our success. As we grow into new markets, our goal is to expand our knowledge while continuing to provide our clients with valued and trusted service.



We offer custom-designed technologies and solve environmental challenges with a professional, cost-efficient and scientific approach. We provide timely results and present clear and comprehensive information to those who manage or develop natural resources. The combination of experience, knowledge, and advanced technology means that we can provide our clients with the environmental solutions they need to successfully develop their projects.

Our current staff of professionals includes specialists in terrestrial and marine biology, ecology, forestry, botany, wetlands, freshwater aquatics, fisheries, statistical analysis and GIS. Our staff may also be joined on projects by associates & specialists in other fields. Please consult our website for a complete list of associates.

## SIN 899-1: ENVIRONMENTAL PLANNING SERVICES PROVIDED

### RENEWABLE ENERGY STUDIES

At **Hamer Environmental**, we use cutting edge technologies to assess potential impacts on wildlife and biological resources from renewable energy projects, transmission lines, communication towers and other developments. Our experience enables us to

provide our clients with the environmental solutions they need to successfully develop their projects while minimizing impacts to the environment.

## SITING ISSUES AND PROJECT FEASIBILITY

- Scientific research and literature reviews
- Federal and state environmental permitting
- Environmental site screening
- Stakeholder consultations
- ESA consultations
- Mitigation solutions

## TECHNICAL AND SCIENTIFIC SURVEYS

- Before-and-After-Control-Impact (BACI) studies
- Threatened & endangered species studies
- Amphibians, small mammals & fisheries studies
- Population level risk assessments
- Stream and riparian surveys and assessments
- Avian nocturnal migration studies
- Bat echolocation surveys & bat ecology studies
- Avian studies and habitat assessments
- Botanical/wetland assessments/noxious weeds
- Night-vision, infra-red and UAV surveys
- Natural community and habitat assessments
- Assessment of impacts and disturbances to wildlife
- Mortality monitoring

## MODELING AND STATISTICAL ANALYSIS

- Avian & bat collision risk & mortality
- Population viability, demographics and survival
- Habitat modeling, quality and loss
- Model parameter sensitivity analyses
- Landscape level habitat attributes

## GEOGRAPHIC INFORMATION SYSTEM

- Aerial photo interpretation
- Wildlife utilization analyses
- Habitat typing
- Habitat projections

## ORNITHOLOGICAL RADAR SURVEYS

Wind turbines, solar towers, cell towers, transmission lines and other man-made structures face increased scrutiny because of their potential impacts to bird and bat populations. Rigorous evaluations are often required to determine if the project will have a significant biological effect on birds and bats. To assist clients with these environmental concerns, we design and conduct avian and bat surveys as well as auxiliary studies needed to meet permitting requirements and produce defensible results.

**Hamer Environmental** is one of the pioneers in using radar technology for avian and bat research. As such, we continually refine our survey methods to insure our clients are getting the best technology available. Our latest addition is digital radar with automatic target recognition, target tracking software, and associated algorithms. These systems are automated and can sample 24/7. The radar unit and associated software can be easily customized for your projects. With this technology we can:

- Assess and monitor impacts to migratory birds, and threatened & endangered birds.
- Identify flight corridors, passage rates, heights, ground speeds of birds and timing of migration.
- Monitor offshore and coastal sites, seabirds and seabird nesting colonies.



- Examine population size and trends, densities and behaviors of nocturnal and diurnal birds.

## OFFSHORE WIND ASSESSMENT

By the end of 2010, ten European countries had offshore wind energy projects. The number of and interest in these projects has expanded rapidly to reach the EU’s 2020 renewable energy target. The US also is ready to deploy offshore wind projects and join the global community providing clean and renewable energy.

Increased provisions for offshore projects will require environmental assessments to determine potential impacts to birds, marine mammals and other marine resources. Issues such as avian collisions will need to be evaluated to determine population effects; with special consideration for vulnerable species and the cumulative effects of offshore wind developments. We are creating improved models to better predict population level effects of both individual projects and cumulative impacts of the industry as a whole.

Environmental data must be collected to inform the project developer and the assisting agencies of potential impacts for the successful permitting of the project. **Hamer Environmental** uses both traditional and cutting edge survey techniques including:

- Development of collision sensor technology
- Boat based diurnal seabird and marine mammal survey transects
- Thermal imaging
- Aerial high definition videography using fixed wing aircraft or helicopters to conduct marine mammal and seabird surveys
- Marine buoy or met tower based bat acoustic surveys
- Boat based nocturnal avian migration surveys using radar systems with auto-stabilizing platforms to reduce wave clutter
- Kinematic model-based approach for estimation of avian collision risk

Impacts on birds within a project area may include disturbance, displacement, barriers to movement, collisions, and habitat loss. **Hamer Environmental** can adequately evaluate such impacts and calculate the collision risks that may be influenced by the design, size, number, array and lighting of wind towers at each site.



Aviation warning lights on turbines can pose a risk to birds and must be carefully evaluated. Many birds migrate at night and are attracted to lights, especially during inclement weather. At such times, these nocturnal migrants can become disoriented and collide with the tall structures on which lights are mounted.

Additional considerations for offshore wind projects include potential impacts to other marine life and conflicts with traditional, commercial and recreational ocean use.

### HOW CAN WE HELP?

**Hamer Environmental** can assist clients by conducting studies to assess potential environmental impacts and use this data to make final siting decisions to reduce or eliminate these impacts. We provide:

- **Preliminary evaluation or screening of potential sites:** Identify regions that may pose risks to species of concern or their habitats; screening of other potential sites.
- **Site characterization:** Identify the presence of species of concern, designate and map critical habitats, determine if displacement is a concern and assess which species might be at risk.

- **Field studies to document wildlife use and predict project impacts:** project design to avoid or minimize adverse impacts; develop predictions of impacts and identify any compensatory mitigation measures.
- **Post-construction fatality studies:** determine the fatality rates of birds, bats and other species of concern; compare predicted and actual fatality rates within a project and with other similar projects; establish a relation of site characteristics to fatality rates and decide whether further specific measures should be taken to reduce fatality.

## SOLAR ENERGY STUDIES

**Hamer Environmental** can assist with solar energy developments from initial project planning to construction. Our professional staff and associates specialize in conducting environmental studies in desert ecosystems where solar energy production is maximized. We fully document the biological resources present that might be affected by the proposed solar project, assess potential impacts and develop detailed avoidance, minimization, and/or mitigation measures that may be needed to offset these impacts. A few of the specific studies and expertise that we provide include:

- |  |   |
|--|---|
| • Project Feasibility and Site Screening     | • Wetlands Delineations                   |
| • Mapping of Vegetation Communities          | • Impact Assessments and Mitigation Plans |
| • Rare Plant Surveys                         | • NEPA/SEPA Documentation                 |
| • Environmental Compliance and Permitting    | • Wildlife Surveys                        |
| • Invasive Weed Surveys, Mapping and Control | • Pre- and Post Construction Monitoring   |
| • Threatened and Endangered Species Surveys  |   |

We identify and map natural resources within the project area with enough detail to support the development of NEPA/SEPA documents required for permitting. The studies and documents we develop are designed to meet all requirements of the permitting agencies. As a standard practice, surveys may be required for special status wildlife species and species of concern that may be within the project areas.

These may include:

- Vegetation Mapping & Special Status Plant Surveys
- Wildlife/Threatened and Endangered Species Surveys
- Invasive Plant Species
- Wetland Delineation

## THREATENED AND ENDANGERED BATS SURVEYS

Recent research has found high numbers of bat fatalities at some wind development sites. As a result, new wind power projects are under increased scrutiny for their potential impacts to bat populations. To better understand and mitigate the impacts of new and future wind projects, rigorous scientific evaluations of site-specific bat species composition, activity, and mortality are required. **Hamer Environmental** offers a full range of environmental services necessary to address these concerns, including:

- State-of-the-art acoustic sampling techniques allowing low cost species identification without mist-netting
- Long-term monitoring using solar-powered acoustic data loggers to assess species composition and indices of abundance during both spring and fall migration
- Site-specific habitat evaluations to assess the potential impacts of construction to local threatened and endangered species
- Post-construction mortality monitoring to support predictions made during pre-construction acoustic surveys
- Development of an assessment tool to estimate “per turbine” mortality using advanced collision-sensor technology
- Operational mitigation and mortality reduction plans

## **HABITAT ASSESSMENT AND MODELING**

Our staff is experienced at identifying habitats used by threatened and endangered bat species, as well as the most up-to-date statistical techniques to predict occupancy.

## MIST-NETTING

Many state and local agencies require mist-netting within the proposed project to establish presence or non-detection of species. Hamer Environmental staff has hundreds of hours of mist-netting experience, and is knowledgeable handling and identifying threatened and endangered species.

## RADIO TELEMTRY

**Hamer Environmental** has experience tracking bats using radio-telemetry, for both diurnal and nocturnal studies. Many states require radio-telemetry studies to map patterns of habitat use as part of the impact assessment process.

## BIRDS OF PREY SURVEYS AND STUDIES

**Hamer Environmental** has experience with research, surveying and handling of eagles, falcons, owls, and hawks. We offer custom designed scientific studies, surveys, and monitoring plans for a wide variety of projects that may have impacts to this unique group of birds. Our services include:

- Nesting Surveys and Monitoring
- Raptor Migration Surveys
- Ornithological Radar Studies
- Radio-Telemetry and Tracking Studies
- Habitat Suitability Assessments
- Eagle Conservation Plan Guidance
- Collision Risk Modeling and Analyses
- Mitigation and Adaptive Management Plans
- Habitat Conservation Plans
- Post Construction Monitoring
- Bird and Bat Conservation Strategies

We provide our clients with all of the requirements outlined in the U.S Fish and Wildlife Service’s Land-based Wind Energy Guidelines; including timely and frequent communication with State and Federal Agencies and early landscape-level and site specific assessments.

Similar to federal guidelines, we use a “tiered approach” to assess the potential adverse effects to species of concern and their habitats. The tiered approach is a decision making process for collecting information and quantifying the possible risks of the proposed development to species of concern. We then evaluate those risks and make beneficial siting, construction, and operation decisions to successfully permit a project.



## AQUATIC RESOURCE ASSESSMENTS

**Hamer Environmental** uses a multi-disciplinary, ecosystem-based approach to help clients solve complex aquatic resource issues. Our team of creative and innovative scientists has experience conducting a wide variety of aquatic assessments and surveys for freshwater, marine, and estuarine environments. This technical experience, combined with our understanding of federal and state regulations, allows us to provide our clients with high quality, personalized, and effective aquatic resource solutions.

## OUR SERVICES

- Water Quality Sampling & Assessments
  - short & long term deployments
  - indices of biological integrity (IBI)
- Biological Assessments/Evaluation & Biomonitoring
  - benthic & terrestrial invertebrates
  - phyto- & zoo-plankton
  - periphyton
  - amphibians
  - fish
- Habitat Assessments
  - aquatic & terrestrial vegetation
  - large woody debris (LWD)
- Watershed Assessments
  - condition evaluation

- restoration recommendations
- tide level & local datum calculations
- topographic and bathymetric mapping
- sediment deposition and erosion
- tidal channel development
- Lake Assessments
  - trophic state index (TSI)
  - algal bloom studies
  - noxious weed surveys
- Wetland & Riparian Assessments
  - wetland delineation & riparian inventories
  - functions & values analyses
  - NEPA/SEPA checklists & determinations
  - mitigation & restoration planning
- Tidal Wetland Assessments
  - classification and rating
  - ordinary high water mark (OHW)
  - stability, gradient & flow
  - channel development

## HIGHLIGHTED SERVICES

**Survey and Monitoring Design** - With our extensive experience developing successful survey and monitoring projects, **Hamer Environmental** can help you define objectives, recommend a site specific sampling strategy, and provide you with standardized protocols and suggestions for analyses. We utilize protocols based on sampling and monitoring techniques that have been broadly applied across the Pacific Northwest including:

- EPA's Rapid Bioassessment Protocols Wadeable Streams and Rivers
- EPA's Macroinvertebrate Methods for Evaluating the Biological Integrity of Surface Waters
- Pacific Northwest Aquatic Monitoring Partnership (PNAMP)
- Environmental Monitoring and Assessment Program (EMAP)
- Aquatic and Riparian Effectiveness Monitoring Program (AREMP)
- Integrated Status and Effectiveness Monitoring Program (ISEMP)
- Tidal Marsh Monitoring (TMM)

**Data Analyses** – The distribution, abundance, and health of aquatic biological communities are often linked to habitat conditions, such as water quality, flow, and vegetative cover. We use several multivariate statistical techniques including correlation and regression analyses, principal components analysis, non-metric clustering analysis and others to understand these relationships and determine which parameters are affecting biological communities.

**Restoration Studies** – Our scientists have worked on tidal wetland, stream, river, and lake restoration projects and understand that restoration monitoring is a critical component of project evaluation. We use Before-After/Control-Impact (BACI) studies to assess physical and biological responses to restoration actions by measuring conditions *before* restoration and comparing them to conditions *after* restoration. By including a *Control* site to compare to the *Impacted*, or restoration site, we can discern the success of restoration actions from natural variability or trends in the region.

## THREATENED AND ENDANGERED AMPHIBIANS

Populations of many amphibian species have recently declined at alarming rates; a trend noted worldwide as well as across the western U.S. Although disease is often a contributing factor, habitat alteration remains the most prominent cause of these widespread amphibian declines. As a result, project proponents often have to address concerns about potential effects on sensitive frog and salamander species.

### AREAS OF EXPERTISE

Amphibians are often secretive and difficult to observe, and require specialized knowledge to survey and study them. **Hamer Environmental** has the expertise necessary to meet our clients' needs regarding:

- **Habitat assessment and modeling** - Amphibians use their habitat in complex ways, for example some species breed in very specific aquatic environments but spend substantial time on land during other stages of their life-cycle. Determining habitat suitability requires a detailed understanding of the breadth of habitat requirements for these animals.



- **Survey and monitoring design** - We have extensive field experience with the wide variety of methods available to survey for frogs and salamanders in both aquatic and terrestrial portions of their habitats. Our expertise includes the ability to design monitoring protocols that balance cost and data quality, while recognizing the unique challenges that the amphibian life history presents.
- **Mitigation/Compensation** – At times compensation for impacts to species may be required as part of a project. Our detailed understanding of amphibian biology and extensive experience working closely with government agencies will help you negotiate mutually desirable solutions.
- **Research Studies** – Projects often benefit from research to fill in gaps in knowledge about a specific species or site. Hamer Environmental is knowledgeable on a wide range of issues concerning salamanders and frogs and has published papers on habitat use, determining population sizes, and modeling population viability.

## PAST AND CURRENT U.S. GOVERNMENT CONTRACTS

### AGENCIES (AS PRIME AND/OR SUBCONTRACTOR)

Bureau of Ocean Energy Management  
Federal Aviation Authority  
U.S. Army Corps of Engineers  
U.S. Department of Interior, Bureau of Land Management  
U.S. Department of Interior, National Park Service  
U.S. Department of Interior, US Forest Service  
U.S. Fish and Wildlife Service  
U.S. Navy, Naval Facilities Engineering Command  
Bonneville Power Administration  
California Department of Fish and Game  
California Department of Transportation  
Hawaii Department of Accounting and General Services  
Oregon Department of Forestry  
Washington Department of Fish and Wildlife  
Washington Department of Natural Resources  
Washington Department of Transportation  
Washington State Ferries