GENERAL SERVICES ADMINISTRATION
Federal Supply Service
Authorized Federal Supply Schedule Price List

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu-driven database system. The INTERNET address GSA Advantage! is: GSAAdvantage.gov.

Multiple Award Schedule (MAS)

Contract Number: GS-10F-0451N
FSC Group: Professional Services
Product Service Code: F999

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

Price list current as of Modification # PS-A812 effective February 4, 2020.

Contract Period: June 16, 2018 – June 15, 2023

Contractor Name: Geographic Resource Solutions
Address: 1125 16th ST., Suite 213
Arcata, CA 95521

Phone: (707) 822-8005
Fax: (707) 822-2864
Website: www.grsgis.com
Email: stumpfk@grsgis.com
grs@grsgis.com
POC: Kenneth Stumpf

Business size: Small Business
Currently Employs: 5 employees
Customer Information

1a. Table of Awarded SINs:

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<th>SIN</th>
<th>Description</th>
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<tr>
<td>541370GIS</td>
<td>Geographic Information Systems (GIS) Services</td>
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1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.

Lowest Priced Model Number and Unit Price:
- Field Data Collection Technician 1 - $27.54/hr
- GIS Conversion Technician 1 - $27.54/hr

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate “Not applicable” for this item.

See section titled “Geographic Resource Solutions MAS GS-10F-0451N Labor Categories” beginning on page 7 of this document.

2. Maximum Order: $1,000,000.00
3. Minimum Order: $100.00
5. Production Point: 1125 16th St., Suite 213, Arcata, CA 95521
6. Discounts: Prices shown are NET prices.
7. Quantity Discounts: None offered.
8. Prompt Payment Terms: Net 30 days. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.
9a. Notification that Government purchase cards are accepted at or below the micro-purchase threshold: Yes.
9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: Will accept.
10. Foreign Items: N/A.
11a. Time of Delivery: To be negotiated with user as specified on the task order.
11b. Expedited Delivered: Items available for expedited delivery will be specified on the task order.
11c. Overnight and 2-day Delivery: Contact Contractor.
11d. Urgent Requirements: Contact Contractor.
12. FOB Point: Destination.
13a. Ordering Address: Same as company address.
13b. Ordering Procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3
14. Payment Address: Same as company address.
15. Warranty Provision: Contractor's standard commercial warranty
16. Export packing charges, if applicable: N/A.
17. Terms and conditions of Government purchase card acceptance: Contact Contractor.
18. Terms and conditions of rental, maintenance, and repair (if applicable): N/A.
19. Terms and conditions of installation (if applicable): N/A.
20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A.
20a. Terms and conditions for any other services (if applicable): N/A.
21. List of service and distribution points (if applicable): N/A.
22. List of participating dealers (if applicable): N/A.
23. Preventive maintenance (if applicable): N/A.
24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): N/A.
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. contractor's website or Other location.) The EIT standards can be found at: www.Section508.gov/. N/A.
25. Data Universal Number System (DUNS) number: 780022091
26. Notification regarding registration in System for Award Management (SAM) database: Registered.
GSA Services Offered

GRS offers several different types of environmental services under SINs 541370GIS, 541620, and 611430. These services are primarily focused on the development, analysis, summarization, and reporting of natural resource inventory and monitoring information and data sets. GRS provides Consulting Services under SIN 541620 to support natural resource inventory and GIS/Remote Sensing projects; training Services under SIN 611420 to support natural resource inventory and GIS/Remote Sensing projects; and Professional GIS Services involving natural resource inventory and GIS/Remote Sensing projects under SIN 541370GIS.

All of the aforementioned GRS services use the same price structure (see our GSA Schedule Rates towards the end of this document). Please contact GRS at (707)-822-8005 to request a separate copy of GRS’s FSS pricelist. Order Level Materials (OLM) will be defined at the Order Level. A brief description of the services that GRS offers for each application area follows:

The different Environmental Services that GRS offers may be categorized into one of seven (7) different application areas:

1. Quantitative and Detailed Field Data Collection Sample Design, Implementation, and Analysis
2. Vegetation Classification and Description
3. Resource Inventory Information Development (Remote Sensing and Image Processing)
4. Pixel (Raster) Aggregation and Stand/Polygon Development
5. Resource Inventory Change Detection and Monitoring
6. Map Data Set Accuracy Assessment
7. GIS Development, Implementation, Programming, and Maintenance

For each of these application areas GRS provides training and support, consultation regarding these different application areas, and/or performance of these different services for GSA clients. Training may be in the form of workshops, seminars, or hands-on exercises. Consultation may include feasibility studies, project management, research, modeling, analysis, and/or evaluation involving these different application areas. Performance of these types of environmental services involves GRS providing the staff and resources necessary to accomplish these type services. The most significant aspects of these seven application areas that often differentiate GRS’s efforts and capabilities from those of other GSA services providers are listed below:

1. Quantitative and Detailed Field Data Collection Sample Design, Implementation, and Analysis
   - Implements a layered line-point transect methodology or ocular estimation techniques;
   - Uses techniques that are standardized, easy to learn, and implement;
   - Develops consistent and accurate estimates using staff of different levels of experience;
   - Allocates field samples based on a stratified approach to prevent over sampling of abundant types and undersampling of rare less frequently occurring type;
   - Develops quantitative, detailed information for all overstory and understory species;
   - Includes sampling of ground and substrate abiotic characteristics and woody debris counts/tonnage;
   - Implements field data collection software to facilitate the collection of error-free field data and machine readable output files;
• Develops estimates that support the development of both Vegetation Classification and Natural Resource Mapping efforts;
• Develops estimates that support the assignment of National Vegetation Classification System (NVCS) Alliance and Association types; and
• Develops estimates that support the assignment of different types based on any vegetation classification system without crosswalking type data.

2. Vegetation Classification and Description
• Analyzes and evaluates detailed quantitative field data;
• Develops mutually exclusive vegetation/land cover types (Alliances/Associations);
• Develops NVCS Alliances and Associations specific to the project area;
• Develops quantitative based species/feature-specific Type Keys; and
• Develops NVCS vegetation descriptions that include estimates of species/feature-specific cover averages, minima, and maxima and species frequencies for different lifeforms, individual canopy layers, all (total) canopy layers, and the “bird’s-eye” view canopy layer;

3. Resource Inventory Information Development (Remote Sensing and Image Processing)
• Implements GRS’s Discrete Classification Mapping Methodology (DCMM);
• Maintains all field training sites as uniquely identifiable individual map classes;
• Validates all field training classes by evaluating both Confusion and Fidelity reports;
• Limits, as appropriate, individual field training classes to specific ecotype regions;
• Links all field training site characteristics (attributes) to the resulting classified map data set;
• Develops information including estimates of species/feature-specific cover, species composition, quadratic mean diameter, crown diameter, status, and trees per acre by canopy layer and in total;
• Develops information regarding composition and condition of the ground surface, as well and fine and coarse woody debris counts and tonnage;
• May develop Information regarding height, volume (cubic), and biomass (tonnage) by canopy layer and in total;
• Develops map estimates that support the assignment of National Vegetation Classification System (NVCS) Alliance and Association types; and
• Develops map estimates that support the assignment of different types based on any vegetation classification system without crosswalking type data.

4. Pixel (Raster) Aggregation and Stand/Polygon Development
• Implements “Rules of Similarity” based primarily on ecological principles and characteristics rather than spectral/image similarities;
• Evaluates similarity of adjacent mapped characteristics, including differences in the magnitude of species/feature-specific cover estimates and presence of species;
• Implements minimum mapping unit (MMU) size constraints for all stands/polygons;
• Implements variable MMU size constraints and can use different limits based on the relative significance of the different vegetation/land cover features being mapped;
• Develops all stand/polygon level characteristics (attributes) by computing the weighted averages of all pixel classification class characteristics (attributes) that comprise each aggregated stand;
May adjust and modify “Rules of Similarity” to develop new maps that may emphasize different ecological concepts (rules) and MMU size limits;
- Develops stand/polygon level map estimates that support the assignment of National Vegetation Classification System (NVCS) Alliance and Association types; and
- Develops stand/polygon level map estimates that support the assignment of different types based on any vegetation classification system without crosswalking type data.

5. Resource Inventory Change Detection and Monitoring
- Compares two or more highly detailed quantitative map data sets;
- Identifies changes of ecological, physiological and land cover characteristics of the temporal map/image datasets, as opposed to spectral differences;
- Characterizes change by the magnitude of individual stand attribute differences;
- Detects and reports change for individual species/features; and
- May monitor changes in species composition over time.

6. Map Data Set Accuracy Assessment (AA)
- Implements a random stratified sample (RSS) design;
- Develops new independently sampled field data for AA testing and do not withhold any original training site data for use in the AA data set;
- Develops map accuracy scores in “Error” cross-tabulation matrices;
- Generates “User” and “Producer” map accuracies and Kappa statistics;
- Develops area-weighted map accuracies that can be visually displayed as an “Accuracy” map;
- Bases type matches on statistical consideration of attribute differences;
- Uses no “Fuzzy Logic”; and
- Considers alternative type/class characteristics when mapped and/or field site characteristics are statistically close to AA test thresholds.

7. GIS Development, Implementation, Programming and Maintenance
- Experienced with multiple GIS/CAD software platforms;
- Considers alternative type/class characteristics when mapped and/or field site characteristics are statistically close to AA test thresholds.
- Experienced with both small and large GIS map data sets;
- Experienced with many different application areas that include natural resources, transportation, public utilities (sewer, storm water, and water), tax parcels, petroleum exploration, security, and municipal;
- Experienced with data integration, export/import, validation, and attribution;
- Develops custom GIS applications, processes, and workflows; and
- Develops and provides customized training on client’s hardware at client’s site using client’s own map data set(s).
Geographic Resource Solutions MAS GS-10F-0451N Labor Categories

**Job Title, Class, Grade, and Labor Category Definitions**

Geographic Resource Solution's rate schedule is based on standard job titles, classes, grades, and categories. Job titles reflect the general nature of the responsibilities of that position. Job classes, such as Technician, Analyst, and Consultant reflect the general level of skills, responsibility, and complexity associated with the different job classes. Job grades (1-6) within a job class represent the range of education and job related experience required, at a minimum, to perform these different job grades. Experience may be prior job related work, or continued/in-progress college education in a field related to each Job’s responsibilities.

Job categories are a combination of the job class and the job grade.

**GIS Job Titles**

**GIS Conversion Technician 1 - Category T1**

**Functional Responsibility:** An entry-level position that performs many GIS data input and edit functions. Performs digital conversion, digitizing, and quality control processes. Uses specialized tools and commands for automation of conversion tasks. Operates scanner and scanning software. Assists in data quality control and validation software processes.

**Minimum Education and Experience:**

High School diploma or GED and 3 years of experience, or
Associates’ degree and 1 year of experience, or
Bachelor’s degree in GIS-related field and 0 years of experience.

**GIS Conversion Technician 2 - Category T2**

Minimum Education and Experience:

High School diploma or GED and 5 years of experience, or Associates’ degree in GIS-related field and 3 years of experience, or Bachelor’s degree in GIS-related field and 1 year of experience.

GIS Conversion Analyst 1 - Category A1


Minimum Education and Experience:

Associates’ degree in GIS-related field and 3 years of experience or Bachelor’s degree in GIS-related field and 1 year of experience.

GIS Analyst 1 - Category A1


Minimum Education and Experience:

Associates’ degree in GIS-related field and 3 years of experience or Bachelor’s degree in GIS-related field and 1 year of experience.
GIS Analyst 2 - Category A2


Minimum Education and Experience:

Associates’ degree in GIS-related field and 4 years of experience, or Bachelor’s degree in GIS-related field and 2 years of experience, or Master’s degree in GIS-related field and 0 years of experience.

GIS Analyst 3 - Category A3


Minimum Education and Experience:

Bachelor’s degree in GIS-related field and 3 years of experience, or Master’s degree in GIS-related field and 1 year of experience.

GIS Analyst 4 - Category A4

Minimum Education and Experience:

Bachelor’s degree in GIS-related field and 4 years of experience or Master’s degree in GIS-related field and 2 years of experience.

GIS Analyst 5 - Category A5


Minimum Education and Experience:

Bachelor’s degree in GIS-related field and 5 years of experience or Master’s degree in GIS-related field and 3 years of experience.

GIS Analyst 6 - Category A6


Minimum Education and Experience:

Bachelor’s degree in GIS-related field and 10 years of experience or Master’s degree in GIS-related field and 5 years of experience.
**GIS Consultant 1 - Category C1**

**Functional Responsibility:** Manages and directs GIS projects. Designs and develops GIS application software and project workflows. Integrates specific scientific applications and models with GIS technologies. Responsible for the development of project application workflows and objectives. Performs advanced GIS activities including: GIS design, planning, implementation, and management; systems analysis; training; and evaluation for new or existing systems. Develops and instructs custom courses and seminars for specific GIS software and applications. Develops and implements custom programs and procedures. Supervises GIS Analysts and Technicians. Prepares proposals. Makes presentations and publishes papers.

**Minimum Education and Experience:**

Bachelor’s degree in GIS-related field and 3 years of experience or Master’s degree in GIS-related field and 1 year of experience.

**GIS Consultant 2 - Category C2**

**Functional Responsibility:** Manages and directs GIS projects. Designs and develops GIS application software and project workflows. Integrates specific scientific applications and models with GIS technologies. Responsible for the development of project application workflows and objectives. Performs advanced GIS activities including: GIS design, planning, implementation, and management; systems analysis; training; and evaluation for new or existing systems. Develops and instructs custom courses and seminars for specific GIS software and applications. Develops and implements custom programs and procedures. Supervises GIS Analysts and Technicians. Prepares proposals. Makes presentations and publishes papers.

**Minimum Education and Experience:**

Bachelor’s degree in GIS-related field and 5 years of experience or Master’s degree in GIS-related field and 3 year of experience.
GIS Consultant 3 - Category C3

Functional Responsibility: Manages and directs GIS projects. Designs and develops GIS application software and project workflows. Integrates specific scientific applications and models with GIS technologies. Responsible for the development of project application workflows and objectives. Performs advanced GIS activities including: GIS design, planning, implementation, and management; systems analysis; training; and evaluation for new or existing systems. Develops and instructs custom courses and seminars for specific GIS software and applications. Develops and implements custom programs and procedures.


Minimum Education and Experience:

Bachelor’s degree in GIS-related field and 10 years of experience or Master’s degree in GIS-related field and 5 year of experience.

GIS Consultant 4 - Category C4

Functional Responsibility: Manages and directs GIS projects. Designs and develops GIS application software and project workflows. Integrates specific scientific applications and models with GIS technologies. Responsible for the development of project application workflows and objectives. Performs advanced GIS activities including: GIS design, planning, implementation, and management; systems analysis; training; and evaluation for new or existing systems. Develops and instructs custom courses and seminars for specific GIS software and applications. Develops and implements custom programs and procedures.


Minimum Education and Experience:

Bachelor’s degree in GIS-related field and 15 years of experience or Master’s degree in GIS-related field and 10 year of experience.
Remote Sensing/Image Processing Job Titles

Remote Sensing/Image Processing Analyst 2 - Category A2


Minimum Education and Experience:

Bachelor’s degree in IP/GIS-related field and 2 years of experience or Master’s degree in IP/GIS-related field and 0 years of experience.

Remote Sensing/Image Processing Analyst 3 - Category A3


Minimum Education and Experience:

Bachelor’s degree in an IP/GIS-related field and 3 years of experience or Master’s degree in an IP/GIS-related field and 1 year of experience.

Remote Sensing/Image Processing Analyst 4 - Category A4

Functional Responsibility: Responsible for image/raster data preparation and integration. Participates in field data collection activities for the development of ground truth. Develops training data sets. Responsible for the classification and analysis of imagery based on established project and workflow design. Responsible for the investigation and resolution of spectral and attribute confusion. Responsible for implementation of quality control and accuracy assessment procedures. Evaluates and
modifies classification and model parameters to accomplish project specifications. Develops scripts for workflow automation and edits existing scripts to accommodate project specific requirements. Supervises, supports, and trains Image Processing/Remote Sensing Analysts. Prepares proposals. Makes presentations and publishes papers.

Minimum Education and Experience:

Bachelor’s degree in an IP/GIS-related field and 4 years of experience or Master’s degree in an IP/GIS-related field and 2 years of experience.

Remote Sensing/Image Processing Analyst 5 - Category A5


Minimum Education and Experience:

Bachelor’s degree in an IP/GIS-related field and 5 years of experience or Master’s degree in an IP/GIS-related field and 3 years of experience.

Remote Sensing/Image Processing Analyst 6 - Category A6

Functional Responsibility: Responsible for image/raster data preparation and integration. Participates in field data collection activities for the development of ground truth. Develops training data sets. Responsible for the classification and analysis of imagery based on established project and workflow design. Responsible for the investigation and resolution of spectral and attribute confusion. Responsible for implementation of quality control and accuracy assessment procedures. Evaluates and modifies classification and model parameters to accomplish project specifications. Develops scripts for workflow automation and edits existing scripts to accommodate project specific requirements. Supervises, supports, and trains Image

**Minimum Education and Experience:**

Bachelor’s degree in an IP/GIS-related field and 10 years of experience or Master’s degree in an IP/GIS-related field and 5 years of experience.

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**Remote Sensing/Image Processing Consultant 2 - Category C2**

**Functional Responsibility:** Responsible for remote sensing project management and administration tasks. Designs and implements field data collection efforts. Responsible for the design and development of processes, workflows, and software applications in support of remote sensing projects. Responsible for the development of software, rules, and models for image processing classification and pixel aggregation. Responsible for the configuration of project specific parameters and variables required to satisfy project objectives. Responsible for design and implementation of accuracy assessment processes. Supervises, supports, and trains Remote Sensing/Image Processing staff. Prepares proposals and writes reports. Makes presentations and publishes papers.

**Minimum Education and Experience:**

Bachelor’s degree in an IP/GIS-related field and 5 years of experience or Master’s degree in an IP/GIS-related field and 3 years of experience.

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**Remote Sensing/Image Processing Consultant 3 - Category C3**

**Functional Responsibility:** Responsible for remote sensing project management and administration tasks. Designs and implements field data collection efforts. Responsible for the design and development of processes, workflows, and software applications in support of remote sensing projects. Responsible for the development of software, rules, and models for image processing classification and pixel aggregation. Responsible for the configuration of project specific parameters and variables required to satisfy project objectives. Responsible for design and implementation of accuracy assessment processes. Supervises, supports, and trains Remote Sensing/Image Processing staff. Prepares proposals and writes reports. Makes presentations and publishes papers.

**Minimum Education and Experience:**

Bachelor’s degree in an IP/GIS-related field and 10 years of experience or Master’s degree in an IP/GIS-related field and 5 years of experience.
Remote Sensing/Image Processing Consultant 4 - Category C4

**Functional Responsibility:** Responsible for remote sensing project management and administration tasks. Designs and implements field data collection efforts. Responsible for the design and development of processes, workflows, and software applications in support of remote sensing projects. Responsible for the development of software, rules, and models for image processing classification and pixel aggregation. Responsible for the configuration of project specific parameters and variables required to satisfy project objectives. Responsible for design and implementation of accuracy assessment processes. Supervises, supports, and trains Remote Sensing/Image Processing Consultants, Analysts and Technicians. Develops and prepares proposals. Writes reports. Develops presentations and publishes papers. Develops and presents GIS training exercises and workshops.


**Minimum Education and Experience:**

Bachelor’s degree in an IP/GIS-related field and 15 years of experience or Master’s degree in an IP/GIS-related field and 10 years of experience.

Photo Interpreter 4 - Category A4

**Functional Responsibility:** Performs photo interpretation and non-analytical mapping from air-photos. Performs the interpretation and mapping of features that can be easily identified without extensive ground knowledge or expertise. This includes the mapping of linear features, such as roads, rivers, forest harvest units, and cultural features.

**Minimum Education and Experience:**

Bachelor’s degree in a Remote Sensing-related field and 4 years of experience or Master’s degree in a Remote Sensing-related field and 2 years of experience
Photo Interpreter 6 - Category A6

**Functional Responsibility:** Responsible for the interpretation and non-analytical mapping from air-photos. Interprets features that require application specific knowledge such as geology, forestry, botany, or wildlife ecology. Includes the mapping and interpretation of vegetation cover to specific ecological classifications. Responsible for the collection of field data used for photo interpretation training efforts. Responsible for implementation of quality control and accuracy assessment procedures.

**Minimum Education and Experience:**

Bachelor’s degree in a Remote Sensing-related field and 10 years of experience or Master’s degree in a Remote Sensing-related field and 5 years of experience and Certification as a Photogrammetrist by a recognized professional association.

Software Programming/Development Job Titles

**Software Programmer/Analyst 3 – Category A3**

**Functional Responsibility:** Performs routine coding as specified by the application designer/developer. Assists in basic software design using application tools and common programming languages and libraries. Also assists in development of automation code and scripts using vendor-specific programming languages. Assists in process testing and support.

**Minimum Education and Experience:**

Associate’s degree in a GIS/CIS-related field and 5 years of experience, or Bachelor’s degree in a GIS/CIS-related field and 3 years of experience, or Master’s degree in a GIS/CIS-related field and 1 year of experience.

**Software Programmer/Analyst 6 – Category A6**

**Functional Responsibility:** Assists in the development of project application code using vendor specific application software tools and library interfaces with low-level languages. Performs routine coding as specified by the application designer/developer. Assists in basic software design using application tools and common programming languages and libraries. Also assists in development of processes and scripts using vendor-specific programming languages. Assists in process testing, debugging, and support.
Minimum Education and Experience:

Bachelor’s degree in a GIS/CIS-related field and 10 years of experience, or Master’s degree in a GIS/CIS-related field and 5 years of experience.

Software Developer/Programmer 2 – Category C2

Functional Responsibility: Responsible for the design and development of project application code using vendor specific application software tools and library interfaces as required to accomplish project objectives. Responsible for software design using application tools and common programming languages and libraries. Responsible for process testing, debugging, and support. Designs and writes software and algorithms for client applications and special analyses. Develops automated workflows for new or complex processes.

Minimum Education and Experience:

Bachelor’s degree in a GIS/CIS-related field and 5 years of experience, or Master’s degree in a GIS/CIS-related field and 3 years of experience.

Software Developer/Programmer 3 – Category C3

Functional Responsibility: Responsible for the design and development of project application code using vendor specific application software tools and library interfaces as required to accomplish project objectives. Responsible for software design using application tools and common programming languages and libraries. Responsible for process testing, debugging, and support. Designs and writes software and algorithms for client applications and special analyses. Develops automated workflows for new or complex processes.

Minimum Education and Experience:

Bachelor’s degree in a GIS/CIS-related field and 10 years of experience, or Master’s degree in a GIS/CIS-related field and 5 years of experience.
Field Resource Assessment/Evaluation Job Titles

Field Data Collection Technician 1 - Category T1


Minimum Education and Experience:

High School diploma or GED and 3 years of experience, or
Associates’ degree in GIS or Natural Resource Sciences-related field and 1 year of experience, or
Bachelor’s degree in GIS or Natural Resource Sciences-related field and 0 years of experience.

Field Data Collection Technician 2 – Category T2


Minimum Education and Experience:

High School diploma or GED and 5 years of experience, or
Associates’ degree in GIS or Natural Resource Sciences-related field and 3 years of experience, or
Bachelor’s degree in GIS or Natural Resource Sciences-related field and 1 year of experience.
Field Forestry/Botany/Ecology Technician 2 – Category T2

**Functional Responsibility:** Assists in the collection of field data. Implements and monitors data collection methods in support of remote sensing/image processing data collection needs. Participates in field data collection activities for the development of ground truth. Knowledgeable about GIS, GPS, and field data collection techniques. Operates hand-held data collection and GPS devices. Some knowledge of “local” plant species required. Participates in operational planning and of field data collection activities and implementation of field data collection plans and schedules. Acts as Field Crew leader of two person field crews comprised of Field Technicians. Participates in field data collection training exercises and workshops and provides support of these activities.

**Minimum Education and Experience:**

High School diploma or GED and 5 years of experience, or Associates’ degree in Natural Resource Sciences-related field and 3 years of experience, or Bachelor’s degree in Natural Resource Sciences-related field and 1 year of experience.

Experience must include plant identification and field data collection techniques.

Field Forester/Botanist/Ecologist 2 – Category A2

**Functional Responsibility:** Assists in the collection of training data. Implements and monitors data collection methods in support of remote sensing/image processing data collection needs. Participates in field data collection activities for the development of ground truth. Knowledgeable about GIS, GPS, and field data collection techniques. Operates hand-held data collection and GPS devices. Provides guidance and support to Field Technicians. Runs QA/QC routines and resolved field data inconsistencies. Some knowledge of “local” plant species required. Participates in and provides support for field data collection training exercises and workshops.

**Minimum Education and Experience:**

High School diploma or GED and 5 years of experience, or Associates’ degree in Natural Resource Sciences-related field and 2 years of experience, or Bachelor’s or Master’s degree in Natural Resource Sciences-related field and 0 years of experience.

Experience must include plant identification and field data collection techniques.
Field Forester/Botanist/Ecologist 4 – Category A4

Functional Responsibility: Organizes and administers the collection of training data. Implements and monitors data collection methods in support of remote sensing/image processing data collection needs. Participates in field data collection activities for the development of ground truth. Knowledgeable about GIS, GPS, and field data collection techniques. Operates hand-held data collection and GPS devices. Provides training, guidance, and support to Field Technicians. Runs QA/QC routines and resolved field data inconsistencies. Knowledge of “local” plant species required. Participates in and provides support for field data collection training exercises and workshops.

Minimum Education and Experience:

Bachelor’s degree in Natural Resource Sciences-related field and 4 years of experience, or
Master’s degree in Natural Resource Sciences-related field and 2 years of experience.

Experience must include plant identification and field data collection techniques.

Field Forester/Botanist/Ecologist 6 – Category A6


Minimum Education and Experience:

Bachelor’s degree in Natural Resource Sciences-related field and 10 years of experience, or
Master’s degree in Natural Resource Sciences-related field and 5 years of experience.

Experience must include plant identification and field data collection techniques.
Forester/Botanist/Ecologist Field Project Manager/Consultant 2 – Category C2

**Functional Responsibility:** Develops field data collection/Accuracy Assessment methods and strategies. Organizes and administers the collection of training data. Implements and monitors data collection methods in support of remote sensing/image processing data collection needs. Participates in field data collection activities for the development of ground truth. Knowledgeable about GIS, GPS, and field data collection techniques. Operates hand-held data collection and GPS devices. Provides training, guidance, and support to Field Technicians. Runs QA/QC routines and resolved field data inconsistencies. Develops QA/QC routines to assure the collection of accurate data. Responsible for the development of Accuracy Assessment statistics and related information. Participates in the development of ecological rules and other Remote Sensing/Image Processing rules and relationships concerning land cover/vegetation information. Develops and implement pixel map aggregation methodologies. Some knowledge of “local” plant species and ecology required. Develops, presents, and participates in field data collection training exercises and workshops and provides support of these activities.

**Minimum Education and Experience:**

Bachelor’s degree in Natural Resource Sciences-related field and 5 years of experience, or
Master’s degree in Natural Resource Sciences-related field and 3 years of experience.

Experience must include plant identification and field data collection techniques.

Forester/Botanist/Ecologist Field Project Manager/Consultant 3 – Category C3

**Functional Responsibility:** Develops field data collection/Accuracy Assessment methods and strategies. Organizes and administers the collection of training data. Implements and monitors data collection methods in support of remote sensing/image processing data collection needs. Participates in field data collection activities for the development of ground truth. Knowledgeable about GIS, GPS, and field data collection techniques. Operates hand-held data collection and GPS devices. Provides training, guidance, and support to Field Technicians. Runs QA/QC routines and resolved field data inconsistencies. Develops QA/QC routines to assure the collection of accurate data. Responsible for the development of Accuracy Assessment statistics and related information. Participates in the development of ecological rules and other Remote Sensing/Image Processing rules and relationships concerning land cover/vegetation information. Develops and implement pixel map aggregation methodologies. Some knowledge of “local” plant species and ecology required.
Develops, presents, and participates in field data collection training exercises and workshops and provides support of these activities.

**Minimum Education and Experience:**

Bachelor’s degree in Natural Resource Sciences-related field and 10 years of experience, or
Master’s degree in Natural Resource Sciences-related field and 5 years of experience.

Experience must include plant identification and field data collection techniques.

**Forester/Botanist/Ecologist Field Project Manager/Consultant 4 – Category C4**

**Functional Responsibility:** Develops field data collection/Accuracy Assessment methods and strategies. Organizes and administers the collection of training data. Implements and monitors data collection methods in support of remote sensing/image processing data collection needs. Participates in field data collection activities for the development of ground truth. Knowledgeable about GIS, GPS, and field data collection techniques. Operates hand-held data collection and GPS devices. Provides training, guidance, and support to Field Technicians. Runs QA/QC routines and resolved field data inconsistencies. Develops QA/QC routines to assure the collection of accurate data. Responsible for the development of Accuracy Assessment statistics and related information. Participates in the development of ecological rules and other Remote Sensing/Image Processing rules and relationships concerning land cover/vegetation information. Develops and implement pixel map aggregation methodologies. Some knowledge of “local” plant species and ecology required.

Develops, presents, and participates in field data collection training exercises and workshops and provides support of these activities.

**Minimum Education and Experience:**

Bachelor’s degree in Natural Resource Sciences-related field and 15 years of experience, or
Master’s degree in Natural Resource Sciences-related field and 10 years of experience.

Experience must include plant identification and field data collection techniques.
Geographic Resource Solutions MAS GS-10F-0451N Prices

Hourly rates for all Environmental Services performed by Geographic Resource Solutions under SInS 541370GIS, 541620, and 611430 are provided below in Table 1. These hourly rates are for the GSA Contract period 2018-2023.

Table 1: GRS Hourly and Daily GSA Rates

<table>
<thead>
<tr>
<th>SIN Number(s)</th>
<th>Category Name/Title</th>
<th>On-Site</th>
<th>Off-Site</th>
<th>Location</th>
<th>2018-23 $/hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>541370GIS</td>
<td>T1</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$27.59</td>
</tr>
<tr>
<td>541520,611430, and 541370GIS</td>
<td>T2</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$34.86</td>
</tr>
<tr>
<td>541370GIS</td>
<td>A1</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$37.96</td>
</tr>
<tr>
<td>541520,611430, and 541370GIS</td>
<td>A2</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$40.89</td>
</tr>
<tr>
<td>541370GIS</td>
<td>A3**</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$45.00</td>
</tr>
<tr>
<td>541520,611430, and 541370GIS</td>
<td>A4</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$49.17</td>
</tr>
<tr>
<td>541370GIS</td>
<td>A5</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$52.73</td>
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<tr>
<td>541520,611430, and 541370GIS</td>
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<td>X</td>
<td>X</td>
<td>All</td>
<td>$59.84</td>
</tr>
<tr>
<td>541370GIS</td>
<td>C1</td>
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<td>All</td>
<td>$66.96</td>
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<tr>
<td>541520,611430, and 541370GIS</td>
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<td>X</td>
<td>All</td>
<td>$78.53</td>
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<tr>
<td>541520,611430, and 541370GIS</td>
<td>C3**</td>
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<td>X</td>
<td>All</td>
<td>$89.32</td>
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<tr>
<td>541520,611430, and 541370GIS</td>
<td>C4</td>
<td>X</td>
<td>X</td>
<td>All</td>
<td>$98.56</td>
</tr>
</tbody>
</table>

** Indicates SCA eligible category. See the SCA Matrix below for additional information regarding these labor categories.

Time is charged to the nearest 0.25 hour.
The minimum charge is 0.25 hours
Overtime hours are charged at the hourly rates listed above.
Double Overtime hours are charged at 133% of the hourly rates listed above.
The Service Contract Labor Standards, formerly the Service Contract Act (SCA), apply to this contract and it includes SCLS applicable labor categories. Labor categories and fixed price services marked with a (***) in this pricelist are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS/SCA matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).

<table>
<thead>
<tr>
<th>SCLS/SCA Eligible Contract Labor Category (GRS)</th>
<th>SCLS/SCA Equivalent Code - Title</th>
<th>WD Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Programmer/Analyst 3</td>
<td>14071 – Computer Programmer I</td>
<td>2015-5673</td>
</tr>
<tr>
<td>Software Programmer/Analyst 6</td>
<td>14072 – Computer Programmer II</td>
<td>2015-5673</td>
</tr>
<tr>
<td>Software Developer/Programmer 2</td>
<td>14073 - Computer Programmer III</td>
<td>2015-5673</td>
</tr>
<tr>
<td>Software Developer/Programmer 3</td>
<td>14074 - Computer Programmer IV</td>
<td>2015-5673</td>
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<tr>
<td>GIS Analyst 3</td>
<td>14101 – Computer Systems Analyst I</td>
<td>2015-5673</td>
</tr>
<tr>
<td>GIS Analyst 6</td>
<td>14102 – Computer Systems Analyst II</td>
<td>2015-5673</td>
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<tr>
<td>GIS Consultant 3</td>
<td>14103 – Computer Systems Analyst III</td>
<td>2015-5673</td>
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</tbody>
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