



General Service Administration  
Federal Acquisition Service

## AUTHORIZED FEDERAL SUPPLY SCHEDULE FSS PRICE LIST

### GSA CONTRACT NO. 47QRAA20D000B

**Federal Supply Group: Professional Services**

**Price list current as of Modification # PS-0014 effective January 13, 2023**



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 for GSA Advantage! is [GSAAdvantage.gov](https://www.gsaadvantage.gov)

**Air Quality Monitoring  
Atmospheric Modeling**

**Pollutant Emissions Characterization**

**Archaeology, Anthropology, Paleoecology**

**Biological & Geological Sciences**

**Remote Sensing, GIS & Data Visualization Hydrogeology & Geochemistry**

**Geostatistical Analysis**

**Data Collection & Management**

**Data Analysis & Research Study Design & Coordination**

For more information on ordering, go to the following website: <https://www.gsa/schedules>

**Schedule Title:** Multiple Award Schedule  
**Contract Number:** 47QRAA20D000B  
**Contract Period:** 10/11/2019 – 10/10/2024  
**Business Size:** Other than Small

**CONTRACTUAL POINT OF CONTACT:**

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Director of Research Administration Services and Compliance  
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Institute 2215 Raggio Parkway  
Reno, Nevada 89512-1095  
[www.dri.edu](http://www.dri.edu)

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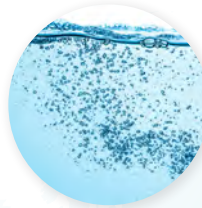


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702.862.5400





## IMPACTFUL SCIENCE, INSPIRING SOLUTIONS

DRI is a recognized world leader in basic and applied environmental research. Committed to scientific excellence and integrity, DRI faculty, students who work alongside them, and staff have developed scientific knowledge and innovative technologies in research projects around the globe.

Since 1959, DRI's research has advanced scientific knowledge on topics ranging from humans' impact on the environment to the environment's impact on humans. DRI's impactful science and inspiring

solutions support Nevada's diverse economy, provide science-based educational opportunities, and inform policymakers, business leaders, and community members.

With campuses in Las Vegas and Reno, DRI serves as the non-profit research arm of the Nevada System of Higher Education.

## OUR MISSION

We are a home for science to create a better future for the people of Nevada and the world. We implement our mission through shared governance and by fostering diverse talent.

## OUR VISION

We envision a world in which trust between scientists and the public forms the basis for a more sustainable and resilient environment for all people to live, grow, and prosper.

## DRI CLIENTS AND RESEARCH SPONSORS



# DIVISION OF ATMOSPHERIC SCIENCES

## SERVICES + CAPABILITIES

### AIR QUALITY MONITORING

- Automated filter-based samplers for aerosol and gas sampling
- Continuous aerosol mass, size distribution, optical properties, and composition
- Automated and passive sampling of volatile organic compounds
- Analysis of over 400 individual gas- and particle-phase organic compounds
- Measurements of emissions from marijuana growing facilities and impact on air quality
- Mobile measurements of spatial distribution of pollutants in urban areas

### ATMOSPHERIC MODELING

- Regional scale models for airflow, cloud and precipitation formation, and pollutant transport in complex terrain
- Coupled atmospheric and hydrologic models
- Source apportionment and dispersion modeling
- Photochemical and light extinction modeling

### ENVIRONMENTAL HEALTH EFFECTS

- Characterization of first- and second-hand exposure to e-cigarette and cannabis aerosols
- Biomarkers of exposure assessment

### METEOROLOGY

- Use of satellite radiances to infer atmospheric structure
- Development of software to infer cirrus cloud distributions from satellite radiances
- Surface, column, and aircraft measurements of atmospheric motion and thermodynamics
- Three dimensional flows and cloud and precipitation fields by radar
- Cloud radiative properties from satellite and radar
- Column water vapor concentration
- Particle size distribution and imaging by insitu microphysical probes

### POLLUTANT EMISSIONS CHARACTERIZATION

- Dilution chamber sampling of stationary source emissions
- Fugitive and area source emission sampling
- Emission factor and inventory development for modeling purposes

### SOCIAL SCIENCE

- Experienced team leads for integrated physical-social projects
- Evaluation of projects, web tools, and research products
- Focus on use-inspired science and stakeholder engagement

### STUDY DESIGN & COORDINATION

- Air quality program design
- Quality control & quality assurance
- Data compilation, validation, analysis, and reporting

### WEATHER MODIFICATION

- Cloud seeding for snowfall enhancement
- Ultra-trace chemical analysis of snow
- UAS applications for applied atmospheric research

### WILDLAND FIRE

- UAS applications for fire management support
- Wildfire visualization
- Climate and weather applications

**WWW.DRI.EDU/DAS**

# DIVISION OF EARTH & ECOSYSTEM SCIENCES

## SERVICES + CAPABILITIES

### ARCHAEOLOGY, ANTHROPOLOGY & PALEOECOLOGY

- Cultural resources inventory and management
- Historic preservation of cultural sites
- Study of ancient species, ecosystems & climates

### BIOLOGICAL SCIENCES

- Astrobiology
- Biogeochemistry of extreme environments
- Plant and ecosystem ecology
- Environmental genomics
- Microbial ecology and molecular biology
- Ecosystem and agricultural sustainability

### GEOLOGICAL SCIENCES

- Geoscience support for military operations
- Dust and aerosol characterization
- Soil science and soil testing
- Geochronology and luminescence dating
- Geochemical modeling
- Quaternary geomorphology

### HEALTH SCIENCES

- Genetics and population health
- Bioinformatics and health analytics
- Personalized medicine and wearables

### REMOTE SENSING, GIS & VISUALIZATION

- Analytics, informatics, machine learning and data visualization
- Environmental forensic studies
- Species and habitat mapping
- Unmanned aerial systems (UAS) applications and development
- Water resource and water rights mapping

### RESEARCH COMMERCIALIZATION

- TuBiomics: Agricultural pharmaceutical company creating organic antifungal chemicals
- Predira: Weather intelligence platform for localized pest and disease forecasts

### STEM EDUCATION

- Teacher training
- Adult education
- K-12 STEM education
- Community science outreach

**WWW.DRI.EDU/DEES**

# DIVISION OF HYDROLOGIC SCIENCES

## SERVICES + CAPABILITIES

### HYDROGEOLOGY

- Regional Flow System Analysis
- Groundwater/Unsaturated Flow and Reactive Transport Modeling
- Geothermal Systems
- Borehole Logging Services
- Aquifer Testing
- Wellbore Logging

### GEOCHEMISTRY

- Water Quality
- Physical/Chemical Processes
- Groundwater Sources and Flow Paths
- Groundwater Age Dating
- Emerging Contaminants

### GLOBAL NATURAL RESOURCES SUSTAINABILITY

- Adaptation of Water Resources to Climate Variability
- Paleoclimatology
- Paleohydrology
- Hydroclimatology

### EARTH SYSTEMS ANALYSIS

- Image Processing Software Development
- Machine Learning Algorithms for Spatial Data
- Remote Sensing Based Evapotranspiration Mapping

### ECOLOGICAL ENGINEERING

- Watersheds and Surface Water Modeling
- Water Quality Monitoring
- Aquatic Ecology
- Ecological Modeling
- Contaminants of Emerging Concern

### WATER RESOURCES MANAGEMENT

- Streamflow Modeling
- Flash Flood Analysis
- Hydrologic Engineering
- Alluvial Fan Hydrology
- Hydrologic Cycle
- Water Quality Treatment
- Integrated Atmospheric/Surface Water/ Groundwater Analysis
- Hydrologic Impact of Fire and Soil Compaction

**[WWW.DRI.EDU/DHS](http://WWW.DRI.EDU/DHS)**

# CUSTOMER INFORMATION

**1a. Table of Awarded Special Item Number (SIN)** 541620 - Environmental Consulting Services  
OLM - Order-level Material

**1b. Lowest Priced Model Number and Unit Price Loss-on-Ignition – \$14.57**

**1c. See page 15**

**2. Maximum Order** \$1,000,000.00

**3. Minimum Order** \$100.00

**4. Geographic Coverage (delivery area)** Domestic only

**5. Points of Production (city, county, and state or foreign country)** Reno, Washoe County, Nevada | Las Vegas, Clark County, Nevada

**6. Discount for List Prices or Statement of Net Price** Government Net Prices (discounts deducted)

**7. Quantity Discounts** None

**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.

**9. Foreign Items** None

**10a. Time of Delivery** To be negotiated with ordering agency for each negotiated Delivery/Task Order

**10b. Expedited Delivery** Contact Contractor

**10c. Overnight and 2-Day Delivery** Contact Contractor

**10d. Urgent Requirements** Contact Contractor



# CUSTOMER INFORMATION

<b>11. F.O.B. Point(s)</b>	Destination
<b>12a. Ordering Address(es)</b>	Nevada System of Higher Education DBA Desert Research Institute Attn: Diane Samuel 2215 Raggio Parkway Reno, NV 89512-1095 (702) 862-5593 (office) Diane.Samuel@dri.edu
<b>12b. Ordering Procedures</b>	See Federal Acquisition Regulation (FAR) 8.405-3.
<b>13. Payment Address(es)</b>	Nevada System of Higher Education DBA Desert Research Institute Financial Services Office 2215 Raggio Parkway Reno, NV 89512-1095
<b>14. Warranty Provision</b>	Not applicable
<b>15. Export Packing Charges (if applicable)</b>	Not applicable
<b>16. Terms and Conditions of Rental, Maintenance, and Repair (if applicable)</b>	Not applicable
<b>17. Terms and Conditions of Installation (if applicable)</b>	Not applicable
<b>18a. Terms and Conditions of Repair Parts Indicating Date of Parts Price Lists and Any Discounts from List Prices (if applicable)</b>	Not applicable
<b>18b. Terms and Conditions for Any Other Services (if applicable)</b>	Not applicable
<b>19. List of Services and Distribution Points (if applicable)</b>	Not applicable
<b>20. List of Participating Dealers (if applicable)</b>	Not applicable

# CUSTOMER INFORMATION

21. Preventive Maintenance (if applicable)	Not applicable
22a. Special Attributes Such as Environmental Attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants)	Not applicable
22b. If applicable, indicate that Section 508 compliance information is available for the information and communication technology (ICT) products and services and show where full details can be found (e.g. contractor's website or other location). ICT accessibility standards can be found at: <a href="https://www.Section508.gov/">https://www.Section508.gov/</a>	
23. Unique Entity Identifier (UEI) Number	MV1JFXA4S621
24. Notification Regarding Registration in System for Award Management (SAM) database	Registered under CAGE Code 0K5F8

# CONTRACT LABOR PRICE LIST

**SIN 541620**

**Including corresponding RC (Recovery Contracting) SIN**

LABOR CATEGORY	10/11/2019 to 10/10/2020	10/11/2020 to 10/10/2021	10/11/2021 to 10/10/2022	10/11/2022 to 10/10/2023	10/11/2023 to 10/10/2024
Administration (Rank I)	\$48.87	\$51.32	\$53.88	\$56.58	\$59.41
Administration (Rank II)	\$57.93	\$60.82	\$63.86	\$67.06	\$70.41
Administration (Rank III)	\$65.17	\$68.42	\$71.85	\$75.44	\$79.21
Administrative Support (Rank I)	\$19.91	\$20.91	\$21.95	\$23.05	\$24.20
Administrative Support (Rank II)	\$32.58	\$34.21	\$35.92	\$37.72	\$39.61

# CONTRACT LABOR PRICE LIST

Administrative Support (Rank III)	\$41.63	\$43.72	\$45.90	\$48.20	\$50.61
Business Manager	\$126.05	\$132.36	\$138.98	\$145.92	\$153.22
Climate Services Technician (Rank III)	\$95.19	\$99.95	\$104.95	\$110.19	\$115.70
Community Engagement Officer (Rank I)	\$62.88	\$66.03	\$69.33	\$72.80	\$76.43
Community Engagement Officer (Rank II)	\$98.57	\$103.50	\$108.67	\$114.11	\$119.81
Community Engagement Officer (Rank III)	\$123.02	\$129.17	\$135.62	\$142.41	\$149.53
Crew (Rank I)	\$36.20	\$38.01	\$39.91	\$41.91	\$44.01
Crew (Rank II)	\$56.57	\$59.40	\$62.37	\$65.48	\$68.76
Crew (Rank III)	\$70.71	\$74.24	\$77.95	\$81.85	\$85.94
Crew Chief (Rank I)	\$71.24	\$74.80	\$78.54	\$82.47	\$86.59
Crew Chief (Rank II)	\$83.84	\$88.04	\$92.44	\$97.06	\$101.91
Crew Chief (Rank III)	\$98.39	\$103.31	\$108.47	\$113.89	\$119.59
Data Technician (Rank I)	\$35.60	\$37.38	\$39.25	\$41.21	\$43.27
Data Technician (Rank III)	\$73.05	\$76.70	\$80.54	\$84.56	\$88.79
Director	\$221.85	\$232.94	\$244.59	\$256.82	\$269.66
Editor (Rank I)	\$72.92	\$76.56	\$80.39	\$84.41	\$88.63

# CONTRACT LABOR PRICE LIST

Editor (Rank II)	\$99.12	\$104.08	\$109.28	\$114.74	\$120.48
Editor (Rank III)	\$125.32	\$131.59	\$138.17	\$145.07	\$152.33
Engineer (Rank I)	\$79.74	\$83.73	\$87.91	\$92.31	\$96.92
Engineer (Rank II)	\$125.02	\$131.27	\$137.83	\$144.73	\$151.96
Engineer (Rank III)	\$180.05	\$189.05	\$198.51	\$208.43	\$218.85
Engineer (Rank IV)	\$250.05	\$262.55	\$275.68	\$289.46	\$303.94
Engineer (Rank V)	\$364.14	\$382.35	\$401.46	\$421.54	\$442.61
Field/Laboratory Director (Rank I)	\$69.38	\$72.85	\$76.49	\$80.32	\$84.33
Field/Laboratory Director (Rank II)	\$75.56	\$79.34	\$83.31	\$87.48	\$91.85
Field/Laboratory Director (Rank III)	\$96.71	\$101.54	\$106.62	\$111.95	\$117.55
GIS Technician (Rank I)	\$83.84	\$88.04	\$92.44	\$97.06	\$101.91
GIS Technician (Rank II)	\$93.07	\$97.72	\$102.61	\$107.74	\$113.12
GIS Technician (Rank III)	\$110.05	\$115.55	\$121.33	\$127.39	\$133.76
Graphics Specialist (Rank I)	\$85.15	\$89.41	\$93.88	\$98.58	\$103.51
Graphics Specialist (Rank II)	\$98.28	\$103.20	\$108.36	\$113.77	\$119.46
Graphics Specialist (Rank III)	\$110.05	\$115.55	\$121.33	\$127.39	\$133.76

# CONTRACT LABOR PRICE LIST

Information Technologist (Rank I)	\$99.88	\$104.87	\$110.12	\$115.62	\$121.40
Information Technologist (Rank II)	\$111.51	\$117.09	\$122.94	\$129.09	\$135.54
Information Technologist (Rank III)	\$150.00	\$157.50	\$165.38	\$173.64	\$182.33
Information Technologist (Rank IV)	\$170.00	\$178.50	\$187.43	\$196.80	\$206.64
Native American Coordinator	\$125.81	\$132.10	\$138.70	\$145.64	\$152.92
Native American Monitor	\$81.46	\$85.53	\$89.81	\$94.30	\$99.01
Planner (Rank I)	\$117.91	\$123.80	\$129.99	\$136.49	\$143.32
Planner (Rank II)	\$123.15	\$129.30	\$135.77	\$142.56	\$149.69
Planner (Rank III)	\$125.77	\$132.05	\$138.66	\$145.59	\$152.87
Principal Investigator (Rank I)	\$90.19	\$94.69	\$99.43	\$104.40	\$109.62
Principal Investigator (Rank II)	\$117.98	\$123.88	\$130.08	\$136.58	\$143.41
Principal Investigator (Rank III)	\$162.61	\$170.74	\$179.27	\$188.24	\$197.65
Principal Investigator (Rank IV)	\$215.01	\$225.76	\$237.05	\$248.90	\$261.34
Program Specialist (Rank I)	\$58.84	\$61.78	\$64.87	\$68.11	\$71.52
Program Specialist (Rank II)	\$63.00	\$66.15	\$69.46	\$72.93	\$76.58
Program Specialist (Rank III)	\$70.00	\$73.50	\$77.17	\$81.03	\$85.08



# CONTRACT LABOR PRICE LIST

Program Specialist (Rank IV)	\$79.00	\$82.95	\$87.10	\$91.46	\$96.03
Project Director (Rank I)	\$107.84	\$113.24	\$118.90	\$124.84	\$131.09
Project Director (Rank II)	\$152.65	\$160.28	\$168.30	\$176.71	\$185.55
Project Director (Rank III)	\$166.64	\$174.97	\$183.72	\$192.91	\$202.55
Safety Manager	\$96.00	\$100.80	\$105.84	\$111.13	\$116.69
Scientist (Rank I)	\$74.45	\$78.17	\$82.08	\$86.19	\$90.49
Scientist (Rank II)	\$90.34	\$94.86	\$99.60	\$104.58	\$109.81
Scientist (Rank III)	\$161.96	\$170.06	\$178.56	\$187.49	\$196.86
Scientist (Rank IV)	\$235.97	\$247.77	\$260.16	\$273.16	\$286.82
Scientist (Rank V)	\$302.28	\$317.39	\$333.26	\$349.93	\$367.42
Security Specialist	\$117.28	\$123.14	\$129.30	\$135.76	\$142.55
Software Development Programmer (Rank I)	\$73.36	\$77.03	\$80.88	\$84.93	\$89.17
Software Development Programmer (Rank II)	\$100.30	\$105.31	\$110.58	\$116.11	\$121.91
Software Development Programmer (Rank III)	\$123.59	\$129.77	\$136.26	\$143.07	\$150.23
Spatial Analyst (Rank I)	\$106.38	\$111.70	\$117.28	\$123.15	\$129.30

# CONTRACT LABOR PRICE LIST

Spatial Analyst (Rank II)	\$127.65	\$134.04	\$140.74	\$147.77	\$155.16
Spatial Analyst (Rank III)	\$153.17	\$160.83	\$168.87	\$177.32	\$186.18
Specialist (Rank I)	\$131.01	\$137.56	\$144.43	\$151.66	\$159.24
Specialist (Rank II)	\$179.19	\$188.15	\$197.56	\$207.44	\$217.81
Specialist (Rank III)	\$217.34	\$228.21	\$239.62	\$251.60	\$264.18
Specialist (Rank IV)	\$265.24	\$278.50	\$292.42	\$307.04	\$322.40
Specialist (Rank V)	\$424.33	\$445.55	\$467.82	\$491.22	\$515.78
System Administrator (Rank IV)	\$209.94	\$220.44	\$231.46	\$243.03	\$255.18
Technician (Rank I)	\$48.42	\$50.84	\$53.38	\$56.05	\$58.85
Technician (Rank II)	\$66.81	\$70.15	\$73.66	\$77.34	\$81.21
Technician (Rank III)	\$84.87	\$89.11	\$93.56	\$98.24	\$103.16

**All prices include an Industrial Funding Fee (IFF) of .75%**

The Service Contract Labor Standards (SCLS) is applicable to this contract, however, it does not include SCLS-applicable labor categories. While no specific labor categories have been identified as being subject to SCLS due to exemptions for professional employees (FAR 22.1101, 22.1102 and 29 CFR 541.300), this contract still maintains the provisions and protections for SCLS eligible labor categories. Should DRI add SCLS labor categories/employees to the contract through the modification process, the DRI will inform the Contracting Officer and establish a SCLS matrix identifying the GSA labor category titles, the occupational code, SCLS labor category titles and the applicable WD number. Failure to do so may result in cancellation of the contract.

# LABOR CATEGORIES + QUALIFICATIONS

## SIN 541620 Environmental Consulting Services

### Administration

Supports project leadership and others. In addition to their general office administration services, they are instrumental in the preparation of reports for clients.

#### Rank Minimum Requirements

- |     |   |
|-----|---|
| I   | High school diploma and three years of experience |
| II  | High school diploma and five years of experience  |
| III | High school diploma and seven years of experience |

### Administrative Support

Performs office support for designated employees or designated group. Directs telephone calls and incoming mail, conducts computer support research, data entry, and filing.

#### Rank Minimum Requirements

- |     |   |
|-----|---|
| I   | High school diploma and one year of experience    |
| II  | High school diploma and two years of experience   |
| III | High school diploma and three years of experience |

### Business Manager

Contracts management for projects, budget review, and client/contract negotiations. Approves all contracts, subcontracts, modifications, and billing. Communicates expert knowledge of contractual guidelines, GAAP, FARS, etc. Assignments generally involve work of a confidential nature that requires a thorough knowledge of the organization's practices, procedures, policies, and programs and the practices and procedures of the contract. Minimum requirements include a Bachelors' degree and five years of experience.

### Climate Services Technician III

Assists engineers/scientists in project efforts. Operates, constructs, maintains, and/or tests electrical/mechanical systems and components. Must be familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. Typically reports to a supervisor or manager. A wide degree of creativity and latitude is expected. May be required to complete an apprenticeship and/or formal training in area of specialty. HS diploma, with four to six years of experience in the field or related area.

### Community Engagement Officer I

Responsible for building coalitions and partnerships. Responsible for outreach functions including community partnerships and developing the strategic plan around how to accomplish broader community awareness and engagement, as well as execution on those strategies. Minimum requirements for Rank I includes a Bachelors' degree and three years of experience.

# LABOR CATEGORIES + QUALIFICATIONS

## Community Engagement Officer II

Responsible for building coalitions and partnerships. Responsible for outreach functions including community partnerships and developing the strategic plan around how to accomplish broader community awareness and engagement, as well as execution on those strategies. Brings new ideas and is capable of listening to insight from project team members and testing new initiatives. Minimum requirements for Rank II include a Bachelors' degree and five years of experience.

## Community Engagement Officer III

Key team leader with responsibilities that include building coalitions and partnerships, outreach functions including community partnerships and developing the strategic plan around how to accomplish broader community awareness and engagement, as well as execution on those strategies. Mentors team based on extensive experience and authors proposals. Minimum requirements for Rank III include a Masters' degree and five years of experience.

## Crew

Hourly employee. Performs all aspects of field and laboratory work including: survey, testing, excavation, monitoring, and analysis under direct supervision.

### Rank Minimum Requirements

- I High school diploma and one year of experience
- II High school diploma and three years of experience
- III High school diploma and five years of experience

## Crew Chief

Responsible for carrying out small field projects, leading a crew, for the technical quality of field operations, for direct on-site supervision of all aspects of field work and data gathering, for proposing resource evaluations and recommendations for further treatment, and for preparing field records and descriptive reports.

### Rank Minimum Requirements

- I Bachelors' degree and three years of experience
- II Bachelors' degree and five years of experience
- III Bachelors' degree and seven years of experience

# LABOR CATEGORIES + QUALIFICATIONS

## Data Technician

Collects, reviews, and inputs data into a computer processing system; audits output data. May be expected to code data and input data for computer processing. Identifies and resolves production related errors. Maintains and revises procedural lists, control records and coding schemes to process source data. Has knowledge or is familiar with commonly used concepts, practices and procedures within a particular field. Typically reports to a supervisor.

### Rank Minimum Requirements

- |     |  |
|-----|--|
| I   | High school diploma  |
| III | High school diploma and four years of experience, may be required to complete apprenticeship and/or formal training in area of specialty |

## Director

Develops senior-level strategy and policy. Provides overall leadership, strategic direction and internal consistency of all products and services. Minimum requirements include a Masters' degree and seven years of experience.

## Editor

Edits (and may author portions) of publications, technical documents, and marketing materials for consistency, clarity, and technical accuracy. Determine what portions of reports should be revised, rewritten, omitted, or added to reports.

### Rank Minimum Requirements

- |     |   |
|-----|---|
| I   | Bachelors' degree and one year of experience    |
| II  | Bachelors' degree and three years of experience |
| III | Bachelors' degree and five years of experience  |

## Engineer I

Entry level engineer; receives direction from senior engineers. Supports the expert research, design, development, test and evaluation of systems. BS/BA degree and zero to five years of experience in a related area.

## Engineer II

Junior engineer; receives direction from senior engineers. Supports the expert research, design, development, test and evaluation of systems. BS/BA degree and six to eleven years of experience in a related area.

## Engineer III

Junior level engineer; receives direction from senior engineers. Supports the expert research, design, development, test and evaluation of systems. BS/BA degree and twelve to eighteen years of experience in a related area.



# LABOR CATEGORIES + QUALIFICATIONS

## Engineer IV

Senior level engineer; supervises junior level engineers, receives direction from lead engineers. Supports the expert research, design, development, test and evaluation of systems. Masters degree and nineteen to twenty years of experience in a related area.

## Engineer V

Leads and supervises team of engineers in the expert research, design, development, test and evaluation of systems. PhD degree and twenty-one years of experience in a related area.

## Field or Laboratory Director

Field or laboratory operation supervisor that oversees all aspects of field or lab work, including logistics, crew management, analysis, and assuring all permitting guidelines and technical aspects of a project are completed efficiently and meet professional standards. May author proposals and reports and regularly communicates with clients.

Rank	Minimum Requirements	Varying Responsibilities
I	Bachelors' degree and five years of experience, Masters' degree and three years of experience, or PhD and one year of experience.	May directly supervise crews for small projects.
II	Bachelors' degree and six years of experience, Masters' degree and five years of experience, or PhD and three years of experience.	May directly supervise multiple crews for small to medium size projects.
III	Masters' degree and seven years of experience or PhD and five years of experience.	May directly supervise multiple crews for large complex projects.

## GIS Technician

Collaborates with the Principal Investigator and field crews to understand any special data needs at the project level. Works as a member of field team with primary GPS and total station responsibilities. Post-processes geospatial field data for analysis in a GIS environment.

# LABOR CATEGORIES + QUALIFICATIONS

## Graphics Specialist

Responsible for the production of graphs, maps, and other illustrations that present data and results in an understandable and visual way to support report production and aid in client, public, and publishing communications. Expert in use of illustration software such as Adobe Illustrator, Corel Draw, etc.

### Rank Minimum Requirements

I	Bachelors' degree and one year of experience
II	Bachelors' degree and three years of experience
III	Bachelors' degree and five years of experience

## Information Technologist I

Works with IT professionals and researchers on statistical programming, spatial analysis, text processing, database design and management. Minimum requirements for Rank I includes a Bachelors' degree and three years of experience.

## Information Technologist II

Expert knowledge of complex systems, expert programming skills including statistical programming, spatial analysis, text processing, database design and administration. Minimum requirements for Rank II include a Bachelors' degree and five years of experience.

## Information Technologist III

Expert knowledge of complex systems, expert programming skills including statistical programming, spatial analysis, text processing, database design and administration. Manages and mentors others and communicates with clients. Minimum requirements for Rank III include a Bachelors' degree and seven years of experience.

## Information Technologist IV

Develops and initiates standards and methods for inspection, testing, and evaluation of infrastructure. Manages IT systems. Devises sampling procedures and designs and develops forms and instruction for recording, evaluating, and reporting quality and reliability data; establishes program to evaluate precision and accuracy of production equipment and testing measurement, material; and devises methods to assess cost and responsibility. Compiles and writes training material and conducts training sessions on quality control activities. Minimum requirements for Rank IV include a Bachelors' degree and nine years of experience.

## Native American Coordinator

Participates and observes archaeological fieldwork and related projects, provides cultural insights and recommendations regarding the treatment of cultural materials and project progression. Reports findings to tribes through tribal councils and tribal cultural committees. Coordinates Native American monitors and assures all interested tribes are represented. Minimum requirements do not include a degree, however, do include tribal membership, with five years of experience.

# LABOR CATEGORIES + QUALIFICATIONS

## Native American Monitor

Participates and observes archaeological fieldwork and related projects, provides cultural insights and recommendations regarding the treatment of cultural materials and project progression. Reports findings to the tribe, usually through the Native American Coordinator. Minimum requirements do not include a degree, however, do include tribal membership, with archaeological training.

## Planner

Assists the Principal Investigator in assembling and editing planning documents, such as EIA, NEPA, CEQA, military-specific operations, or other special knowledge land use and forecasting tools.

### Rank Minimum Requirements

- I Bachelors' degree and one year of experience
- II Bachelors' degree and two years of experience
- III Bachelors' degree and six years of experience

## Principal Investigator

Serves as scientific expert providing technical guidance to employees and others involved in the performance of the project. Responsible for planning, supervising, and overseeing field projects, including responsibility for the professional quality of resource evaluations and recommendations. Primary author of proposals, deliverables, and reports and point of contact for client communication.

### Rank Minimum Requirements

- I Bachelors' degree and ten years of experience, Masters' degree and three years of experience, or PhD and two years of experience.
- II Bachelors' degree and fifteen years of experience, Masters' degree and five years of experience, or PhD and three years of experience.
- III Masters' degree and seven years of experience or PhD and five years of experience.
- IV Masters' degree and ten years of experience or PhD and seven years of experience.

## Program Specialist

Assists the Business Manager, Director, and scientific faculty in various administrative, financial, and program duties. This includes processing time sheets, purchase orders, journal vouchers, and maintenance of the division's filing system and equipment.

### Rank Minimum Requirements

- I High school diploma and two years of experience or Associates degree and one year of experience.
- II High school diploma and three years of experience or Associates degree and two years of experience.
- III High school diploma and five years of experience or Associates degree and four years of experience.
- IV High school diploma and eight years of experience or Associates degree and six years of experience.

# LABOR CATEGORIES + QUALIFICATIONS

## Project Director

Manages all aspects of projects and tasks including conducting fieldwork, supervision of personnel and physical resources. Manages project budgets, prepares proposals, reports, and other technical documents, monitors field procedures and contributes to research designs. Oversees and performs all aspects of field research, data collection, inventory, and analysis. Schedules personnel, vehicles, and other resources. Establishes project procedures and budgetary restraints, and follows those outlined by other staff, to assure that projects are concluded within budget and on time. Manages the financial performance of individual projects and effectively coordinates with clients. Supervises, directs, and instructs field personnel.

Rank	Minimum Requirements	Varying Responsibilities
I	Masters' degree and three years of experience, or PhD and one year of experience.	Manages small-size projects.
II	Masters' degree and five years of experience, or PhD and three years of experience.	Manages medium-size projects of varying complexity.
III	Masters' degree and seven years of experience, or PhD and five years of experience.	Manages large and complex projects.

## Safety Manager

Works with project leads to design safety protocols for each project, prepares project-specific Health and Safety Manuals, and conducts crew briefings and training. Maintains oversight responsibilities and expertise that includes hazardous materials and waste management, environmental and safety compliance, and site assessments and remediation. Oversees and/or participates in environmental and safety compliance assessments. Minimum requirements include a Bachelors' degree and five years of experience.

## Scientist I

Perform routine technical tasks using standard scientific methods and techniques. Provide support to analyze, design, code, and document computer applications used for scientific projects. Provide expert technical science support in the areas of data acquisition and reduction, equipment maintenance and repair, and information display for scientific analysis. Has knowledge of standard concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager. BS/BA degree and zero to two years of experience in a related area.

# LABOR CATEGORIES + QUALIFICATIONS

## Scientist II

Perform scientific analysis/research in support of more senior level scientists. Analyze, design, code, and document computer applications used for scientific projects. Provide expert technical science support in the areas of data acquisition and education, equipment maintenance and repair, and information display for scientific analysis. Has knowledge of standard concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager. BS/BA degree and two to four years of experience in a related area.

## Scientist III

Perform complex scientific research and analysis. Analyze, design, code, and document complex computer applications used for scientific projects. Provide advanced expert technical science support in the areas of data acquisition and reduction, equipment maintenance and repair, and information display for scientific analysis. Support the design, development, and test of complex instruments for scientific measurements. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. May lead and direct others. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager. MS/MA degree and four to six years of experience in a related area.

## Scientist IV

Lead scientific research and analyses to solve physical problems. Lead efforts to analyze, design, code, and document complex applications for computers appropriate to scientific projects. Lead the design, development, and test of complex instruments for scientific measurements. Authors papers to be published in refereed scientific publications and/or presented at scientific conferences. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks as an expert. Works under general supervision. Very likely will lead and direct others. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager. PhD degree and six to eight years of experience in related area.

## Scientist V

Lead advanced scientific research and analyses to solve physical problems. Lead efforts to analyze, design, code, and document complex applications for computers appropriate to scientific projects. Lead the design, development, and test of complex instruments for scientific measurements. Authors papers to be published in refereed scientific publications and/or presented at scientific conferences. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks as an expert. Works under general supervision. Very likely will lead and direct others. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager. PhD degree and eight to ten years of experience in related area.

## Security Specialist

Develops, conducts, monitors, and/or maintains security-related programs. Minimum requirements include a Bachelors' degree and seven years of experience.



# LABOR CATEGORIES + QUALIFICATIONS

## **Software Development Programmer I**

Serves as a development team member for software application development initiatives. Responsible for coding and preparing and maintaining documentation. Participates in the development of system user manuals and training materials. Assists with testing and quality assurance activities, troubleshooting application production problems, and resolves problems with developed systems. Minimum requirements for Rank I includes a Bachelors' degree and two years of experience.

## **Software Development Programmer II**

Serves as a development team member for software application development initiatives. Helps to ensure project team is following application development best practices. Responsible for assisting in the development of application development schedule estimates. Responsible for preparing and maintaining documentation. Participates in the development of system user manuals and training materials. Assists with testing and quality assurance activities, troubleshooting application production problems, and resolves problems with developed systems. Minimum requirements for Rank II include a Bachelors' degree and five years of experience.

## **Software Development Programmer III**

Serves as a key development team member for software application development initiatives. Helps to ensure project team is following application development best practices. Responsible for assisting in the development of software development cost and schedule estimates. Responsible for preparing and maintaining documentation. Leads the development of system user manuals and training materials. Leads testing and quality assurance activities, troubleshooting application production problems, and resolves problems with developed systems. Evaluates and recommends tools and components that will aid in application performance or in better achieving project objectives. Minimum requirements for Rank III include a Bachelors' degree and seven years of experience.

# LABOR CATEGORIES + QUALIFICATIONS

## Spatial Analyst

Responsible for efficiently producing and editing cartographic products and developing geodatabases and geospatial models in coordination and consultation with the client to aid production of visual analysis, presentation, and impact assessment. Enters and processes GIS data gathered in the field, synthesizes data layers, and develops analytical methods for deriving statistical relationships between data layers.

Rank	Minimum Requirements	Varying Responsibilities
I	Bachelors' degree and three years of experience, Masters' degree and one year of experience, or PhD.	
II	Bachelors' degree and five years of experience, Masters' degree and three years of experience, or PhD and one year of experience.	Increasing responsibilities for proposal development, report authorship, and mentoring.
III	Masters' degree and five years of experience or PhD and three years of experience.	Key development team member with management responsibilities, develops and maintains databases, workflow, and models. Author of proposals and reports.

## Specialist

Specialized subject matter expert that performs skilled aspects of fieldwork, laboratory analysis, research, writing, and management. As a member of a research team, assists others in understanding complex interdisciplinary associations and provides technical training. When project lead, manages and mentors team members while being responsible for planning, supervising, and overseeing projects, including responsibility for the professional quality of resource evaluations and recommendations. Primary or contributing author of proposals, deliverables, reports, and publications.

Rank	Minimum Requirements
I	PhD and ten years of experience
II	PhD and fifteen years of experience
III	PhD and twenty years of experience
IV	PhD and twenty-five years of experience
V	PhD and twenty-eight years of experience

# LABOR CATEGORIES + QUALIFICATIONS

## System Administrator IV

Installs new software releases, system upgrades, evaluates and installs patches and resolves software related problems. Performs system backups and recovery. Maintains data files and monitors system configuration to ensure data integrity. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a project leader or manager. A certain degree of creativity and latitude is required. Familiar with standard concepts, practices, and procedures within a particular field. May lead or direct others. Masters degree in a related area and six to eight years of experience in the field or in a related area.

## Technician

Performs all aspects of field and laboratory work including, survey, testing, excavation, monitoring, and analysis under direct supervision.

Rank	Minimum Requirements
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I	Bachelors' degree and one year of experience
II	Bachelors' degree and three years of experience
III	Bachelors' degree and five years of experience

# LABORATORY SUPPORT PRICE LIST

## SIN 541620 Environmental Consulting Services

LABORATORY SUPPORT ITEM NAME	10/11/2019 to 10/10/2020	10/11/2020 to 10/10/2021	10/11/2021 to 10/10/2022	10/11/2022 to 10/10/2023	10/11/2023 to 10/10/2024
TL/OSL Analysis	\$1,222.20	\$1,271.08	\$1,321.93	\$1,374.80	\$1,429.80
Soil Laser Particle Size Analysis	\$52.50	\$54.60	\$56.78	\$59.06	\$61.42
Traditional Particle Size Analysis Pipette	\$64.45	\$67.02	\$69.71	\$72.49	\$75.39
Carbonate Analysis	\$32.59	\$33.89	\$35.25	\$36.66	\$38.12
Soil PH	\$21.03	\$21.88	\$22.75	\$23.66	\$24.61
Loss-on-Ignition	\$14.57	\$15.15	\$15.75	\$16.38	\$17.04
Bulk Density	\$40.65	\$42.28	\$43.97	\$45.73	\$47.56
Media & Prep: XAD only	\$56.88	\$59.16	\$61.53	\$63.99	\$66.55
Media & Prep: Filters only	\$30.82	\$32.06	\$33.34	\$34.67	\$36.06
Media/Clean & Prep: Canisters	\$51.09	\$53.14	\$55.26	\$57.47	\$59.77
Media & Prep: Tenax Tubes	\$49.60	\$51.59	\$53.65	\$55.80	\$58.03
Extraction: XAD only	\$158.13	\$164.46	\$171.04	\$177.88	\$184.99
Extraction: Filter only	\$158.13	\$164.46	\$171.04	\$177.88	\$184.99
Sample Analysis: PAH	\$271.21	\$282.06	\$293.34	\$305.07	\$317.27
Sample Analysis: Nitro PAH	\$196.85	\$204.73	\$212.91	\$221.43	\$230.29
Sample Analysis: DNPH- Carbonyls	\$199.84	\$207.84	\$216.15	\$224.80	\$233.79
Sample Analysis: Polar Compounds	\$612.76	\$637.27	\$662.76	\$689.27	\$716.85
Sample Analysis: Polar Compounds-LCMS	\$245.36	\$255.18	\$265.38	\$276.00	\$287.04
Sample Analysis: VOC GCMS	\$447.41	\$465.30	\$483.92	\$503.27	\$523.40
Sample Analysis: Thermal Desorption	\$426.88	\$443.96	\$461.71	\$480.18	\$499.39



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