



SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS

Statement of Qualifications

SEPTEMBER 2026

DRUMMONDCARPENTER.COM

Offices in Florida, Michigan, Pennsylvania, and Tennessee



Solutions

Drummond Carpenter is a service-disabled veteran-owned small business comprising professional engineers, geologists, planners, scientists, and technical professionals dedicated to providing water, infrastructure, nuclear waste, environment, and data-related solutions. Our growth to more than 40 professionals delivering projects in 25+ states in just 10 years exemplifies our strong performance for federal, state, regional, and local governments as well as private and non-profit organizations. Since our founding in 2016, we have provided services on more than 400 projects.

40+

PROFESSIONALS

400+

PROJECTS

25+

STATES

2016

FOUNDED

Water

- Watersheds
- Stormwater
- Groundwater
- Surface Water
- Potable Water
- Wastewater
- Water Quality
- Water Supply
- Safe Aquifer Yield
- Flood Risk Mitigation
- Vulnerability and Adaptation
- Modeling

Infrastructure

- Site Design
- Roadways and the Built Environment
- Dam Safety
- Water Distribution
- Wastewater Collection
- Combined Sewers
- Utility Master Planning
- Green Infrastructure
- Stormwater
- Hydrologic and Hydraulic Assessments
- Modeling

Nuclear

- Low Level Waste Disposal Facilities
- Demolition and Disposal
- Performance Assessments
- Radiological Dose Evaluations
- Geophysics
- Siting
- Modeling

Environment

- Ecological Restoration
- Natural Resources
- Sustainability and Resilience Master Planning
- Nature-Based Solutions
- Remediation
- Emerging Contaminants (PFAS/PFOS)
- Contaminant Fate and Transport Modeling
- Site Assessments

Data Intelligence

- Artificial Intelligence and Machine Learning
- Predictive Modeling
- Data Analytics and Information Management
- GIS and Spatial Analysis
- Decision Dashboards and Data Visualization
- Custom Engineering Software

RECOGNITION

- 2026** Ranked one of *Florida Trend's* "Best Companies to Work for in Florida."
- 2025** East Central Florida Regional Planning Council Diamond Award of Excellence in Conservation & Countryside for the Orange County, FL State of the Wetlands Study and Wetland Ordinance.
- 2025** National Association of Counties Achievement Award for the Orange County, FL State of the Wetlands Study and Wetland Ordinance.
- 2025** US Small Business Administration 2025 Florida Service-Disabled Veteran-Owned Small Business of the Year.
- 2025** Zweig Group's 2025 Hot Firms List.
- 2024** Department of Energy-United Cleanup Oak Ridge: Veteran Business of the Year.
- 2021** NASA-Kennedy Space Center Small Business Industry Award: Mentor-Protégé Agreement of the Year.

Water Solutions

Water decisions are rarely isolated. Water systems must perform despite variability in climate, land use, population, and regulatory requirements. Flood risk, water quality, infrastructure performance, and environmental conditions are interconnected — and often influenced by funding constraints, policy direction, and existing systems already in operation.

Effective solutions require more than analysis. They must be practical, implementable, resilient, and lasting.

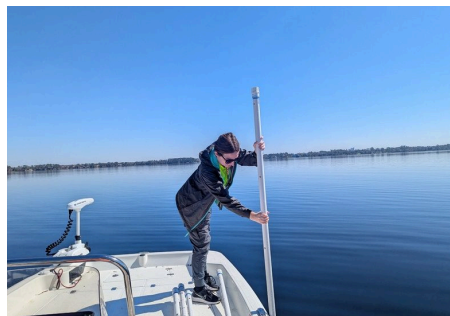
DC provides engineering and scientific support across the full water cycle — from watershed planning and stormwater management to utility performance and flood risk mitigation — helping organizations move from data to decisions to delivery.

FROM STRATEGY THROUGH IMPLEMENTATION

- Watershed planning and management
- Hydrologic and hydraulic modeling
- Groundwater modeling and hydrogeologic investigations
- Flood risk assessment and mitigation
- Stormwater management and BMP design
- Surface water and groundwater protection
- Water quality improvement strategies
- Resilience planning for changing conditions
- Regulatory support
- Ordinance and land development code drafting
- Litigation support and subject matter expertise

WHERE THIS WORK APPLIES

- Municipal and regional utilities
- Watershed organizations and water management districts
- Federal installations
- Transportation corridors
- Growing communities facing flood risk
- Restoration and conservation initiatives
- University and campus systems



HOW WE APPROACH WATER CHALLENGES

Systems Perspective

Water issues rarely exist in isolation. We consider upstream drivers, downstream impacts, infrastructure constraints, and regulatory context together.

Science Grounded in Practice

High-performance modeling and analysis are paired with field data, operational realities, and solutions that can be implemented.

Built for Long-Term Performance

We emphasize solutions that continue to function effectively over time — supporting reliable performance, manageable maintenance, and sustained outcomes.

Infrastructure Solutions

Infrastructure decisions shape communities for decades. Infrastructure systems support public safety, economic activity, and daily operations. Many must continue functioning even as they are being repaired, replaced, or expanded.

Projects rarely involve technical considerations alone. They must balance performance, funding constraints, regulatory requirements, constructability, and long-term maintenance — often within active, highly visible environments.

DC helps organizations plan, prioritize, and deliver infrastructure improvements that perform as intended and can be implemented efficiently.

FROM SYSTEM ASSESSMENT THROUGH DELIVERY

Infrastructure programs often begin with condition assessments or planning studies but require coordination across multiple phases to reach implementation. We support projects across the full lifecycle:

- Stormwater retrofit engineering
- Transportation corridors and complete streets
- Water and wastewater utility engineering
- Site and facilities design and implementation
- Asset condition assessment and lifecycle evaluation
- Infrastructure vulnerability and resilience planning
- Flood protection level of service
- Green stormwater infrastructure and nature-based solutions

WORKING WITHIN ACTIVE SYSTEMS

Many infrastructure projects take place in environments that cannot be paused — healthcare campuses, utilities, transportation corridors, and operational facilities. We design and sequence improvements to:

- Maintain service continuity during construction
- Coordinate with existing systems and constraints
- Minimize disruption to operations and users
- Deliver within funding and scheduling realities

This approach helps ensure that projects are not only technically sound, but also feasible to deliver.



HOW WE APPROACH INFRASTRUCTURE PROJECTS

Reliability First

We focus on systems that must perform consistently under real-world conditions — during and after implementation.

Practical Implementation

Recommendations are shaped by constructability, funding realities, operational needs, and long-term maintenance considerations.

Integrated Coordination

Infrastructure interacts with water systems, environmental conditions, regulatory requirements, and stakeholders. We address the connections directly to reduce risk and improve outcomes.

Nuclear Solutions

Nuclear decisions demand disciplined judgment. Nuclear and radiological work operates within tightly regulated federal and state frameworks. Site conditions, exposure pathways, environmental impacts, and long-term controls must be evaluated with precision — often across decades of planning and performance expectations.

This work takes place within active programs, existing datasets, and established regulatory processes. Analyses and documentation must withstand scrutiny. Results must support decisions that can be implemented and sustained.

DC approaches nuclear engineering as an integrated systems challenge — combining risk-informed analysis, regulatory fluency, and technical rigor to support forward progress in high-consequence environments.

WORKING WITHIN REGULATED FEDERAL SYSTEMS

Much of this work occurs within large, multi-year federal programs involving multiple contractors, legacy datasets, and evolving regulatory expectations. We integrate with existing program structures to:

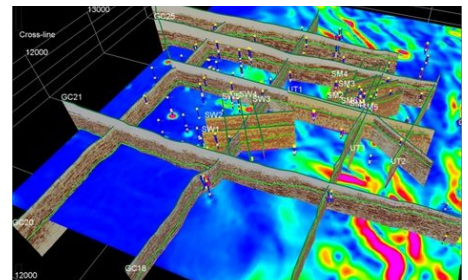
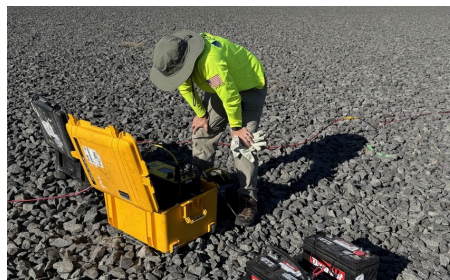
- Align analysis with regulatory frameworks (e.g., DOE Order 435.1)
- Support coordination across agencies, contractors, and stakeholders
- Build on existing models and datasets rather than duplicating effort
- Provide clarity in environments where decisions must withstand rigorous review

This approach helps reduce uncertainty and supports evidence-based, actionable outcomes.

FROM ANALYSIS THROUGH LONG-TERM STEWARDSHIP

Nuclear programs require continuity across multiple phases of work — from early modeling through implementation and long-term monitoring. We support programs across the full lifecycle:

- Site characterization and data synthesis
- Radiological dose assessment and exposure modeling
- Performance Assessment (PA) and Composite Analysis (CA)
- Waste Acceptance Criteria (WAC) evaluation
- Remediation strategy development and optimization
- Regulatory documentation and compliance support
- Independent technical review and readiness evaluation
- Long-term monitoring and stewardship planning



HOW WE APPROACH NUCLEAR WORK

Precision and Defensibility

Analyses are developed to withstand regulatory scrutiny, independent review, and long-term performance expectations.

Multidisciplinary Coordination

Engineering, environmental science, geology, modeling, and data analysis are integrated to address complex site conditions and system interactions.

Long-Term Perspective

Solutions consider not only immediate low-level waste storage needs, but also monitoring, maintenance, institutional controls, and system performance over time.

Environment Solutions

Protecting human health and the environment. Environmental conditions shape more than sites. They affect water quality, infrastructure performance, land use, and long-term viability.

These systems are interconnected — and shaped by regulation, funding, and community priorities.

Effective solutions go beyond compliance. They must protect people and ecosystems while remaining practical to implement and able to perform over time.

DC approaches this work as an integrated challenge — combining science, engineering, modeling, and implementation planning to move projects forward.

FROM ASSESSMENT THROUGH IMPLEMENTATION

Environmental initiatives often begin with site investigation or regulatory requirements, but success depends on what happens next — planning, design, permitting, and execution. We support projects across the full lifecycle:

- Environmental site assessment
- Contaminant investigation and characterization, including PFAS/PFOS
- Remediation planning and design
- Wetlands and protected species stewardship
- Ecological restoration
- Regulatory compliance support
- Risk evaluation
- Resilience and adaptation planning

INTEGRATING ENVIRONMENTAL AND INFRASTRUCTURE SYSTEMS

Environmental challenges rarely exist in isolation.

We design solutions that align environmental performance with infrastructure needs, from remediation and restoration to stormwater systems, green stormwater infrastructure, and watershed-scale strategies.

This integrated approach helps ensure that environmental goals support — rather than conflict with — long-term system performance.



HOW WE APPROACH ENVIRONMENTAL WORK

Science-Based Decisions

Field investigations, environmental sampling, modeling, and analysis guide recommendations grounded in real conditions.

Regulatory Fluency

We work within federal, state, regional, and local frameworks to develop solutions that are both compliant and practical to implement.

Community Engagement

Environmental projects often carry public visibility and stakeholder interest. We support clear communication and alignment to help projects move forward.

Built for Implementation

Recommendations are shaped by constructability, funding realities, and long-term maintenance — not just technical feasibility.

Data Intelligence Solutions

More than data. Decision support. Data Intelligence at DC is not a standalone service. It is embedded within engineering tasks to strengthen how information is interpreted, communicated, and applied.

We work with data as it actually exists — incomplete, inconsistent, and often collected over decades across multiple systems. Our role is to bring it together, reduce uncertainty, and translate it into decisions that can move forward.

We combine engineering expertise with data science, advanced modeling, machine learning, and visualization tools to move clients from raw data to informed action, especially where complexity, uncertainty, and regulatory scrutiny are high. This includes not only technical analysis, but also clear communication of results to stakeholders and decision-makers.

WHY ORGANIZATIONS RELY ON DC

- Integration of engineering expertise with data science and modeling
- Experience working with complex, legacy, and multi-source datasets
- Ability to reduce uncertainty and support defensible decisions
- Alignment of analysis with regulatory, funding, and implementation needs
- Clear communication of complex results to diverse audiences

FROM DATA TO DECISIONS TO DELIVERY

Many organizations have access to large volumes of data but lack a clear path to using it effectively. We support the full data lifecycle:

- Data collection, validation, and synthesis across sources
- Integration of legacy datasets and long-term monitoring records
- Hydrologic, hydraulic, and contaminant modeling
- Machine learning and predictive analysis, where appropriate
- Scenario evaluation and uncertainty reduction
- Visualization and communication of results
- Decision support aligned with funding, policy, and implementation

Our goal is not simply to analyze data — but to support decisions that can be implemented and sustained.



Augmented Intelligence Application Initiative (AI)²

DC's (AI)² is a dedicated AI services and implementation practice focused on designing, building, configuring, and implementing practical, governed AI solutions.

(AI)² combines hands-on AI development with DC's technical domain expertise to support public sector use cases where accuracy, traceability, security, and human review are essential.

Cybersecurity Maturity Model Certification

DC maintains Cybersecurity Maturity Model Certification (CMMC) Level 1 certification. Such certification conveys DC's commitment to provide security-conscious public sector services through foundational cybersecurity practices that protect controlled unclassified information (CUI) and federal contract information (FCI).



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