

Caleb Grant

Data Manager



Education and Credentials

B.S., Geology, Washington State University, Pullman, Washington, 2015

Continuing Education and Training

Hazardous Waste Operations and Emergency Response 40-Hour Certification (2017; refreshers 2018, 2019, 2020)

First Aid and CPR Certified (2018)

Professional Affiliations

Member of Geological Society of America

Professional Profile

Mr. Caleb Grant is a consultant in data management, geographic information system (GIS), and web development. He has 4 years of experience in the environmental services industry. Mr. Grant has automated processes to manage data sets and prepare them for statistical and spatial analysis and interpretation. He is adept with programming and has developed web applications and interfaces for various projects throughout the United States. Mr. Grant has automated comparisons of laboratory analytical results to numerical benchmarks to ensure compliance with federal and state environmental laws (e.g., CERCLA, Model Toxics Control Act/ Sediment Management Standards, RCRA) and has performed this work for various clients nationwide. In addition, Mr. Grant has performed analysis and remote sensing on spatial data to produce visualizations that support expert analysis of contaminated sites and natural resource damage assessments.

Relevant Experience

Data Management

Data Management, PFAS Contamination Monitoring and Litigation, United States—Serve as database manager for groundwater PFAS monitoring to support multi-district litigation efforts. Compile and distribute groundwater data from state, federal, and private sources to support subject matter experts.

Data Management, Lower Duwamish Waterway, Seattle, Washington—Managed project workflow for database loading to standardize and store environmental soil and sediment sampling information from studies performed in the Lower Duwamish Waterway. Produced custom summaries and statistics for clients and subject matter experts in support of litigation and allocation procedures. Compiled documentation and metadata to explain data sources and procedures used to create the project database and output used for analyses. Coordinated quality assurance reviews of data sets entered into the database.



Data Management and Reporting, Pasco Landfill NPL Site, Pasco, Washington—Produced automation scripts for management and reporting of real-time treatment system data. Prepared daily dashboard reports for critical project personnel, ad hoc data reporting, and database interfaces.

Web Development

U.S. Department of Energy, Marine Energy Regulatory Toolkit—Design a web toolkit to provide permitting and licensing resources for regulators and developers interested in marine energy projects that leverage energy from marine and hydrokinetic resources such as waves, tides, rivers, and ocean currents. Compile, manage, and summarize environmental data relevant to marine energy applications as toolkit reference material.

RESTful API Development, Washington and Oregon—Developed a RESTful API using the Flask micro web framework. The goal of the API was to provide a simple web interface for GIS resources, which included application routing and data retrieval.

GIS Design and Analysis

Field Data Collection Applications, Washington and Oregon—Design field data collection templates using Survey123 and Collector for environmental field activities including groundwater sampling, borehole logging, Phase I environmental site assessments, CESCL inspections, and generic field summary reports.

Natural Resource Damage Assessment, Hanford (NPL), Washington—Performed extensive remote sensing of historical imagery at the Hanford NPL site to quantify surface disturbance during remediation activities. Produced map series of findings to present to trustees.

Environmental Assessment and Remediation

Pasco Landfill NPL Site, Pasco, Washington—Technical site consultant for the Pasco Landfill Superfund Site in Pasco, Washington. Supported field sampling, monitoring, remediation efforts, data management, and reporting.

Focused Groundwater and Petroleum Light, Nonaqueous-Phase Liquid Assessment, Hermiston, Oregon—Lead field geologist responsible for borehole drilling oversight, temporary well installation, field sampling, and site monitoring. The investigation was designed to delineate the extent of groundwater contamination near the suspected dissolved plume boundaries and investigate an onsite area near the former underground storage tanks for the potential presence of petroleum light, nonaqueous phase liquid.

Certified Erosion and Sediment Control Lead, Eastern Washington/Eastern Oregon—Monitored the execution of a development's stormwater pollution prevention plan to ensure compliance with water quality requirements.

Umatilla Chemical Depot Asbestos Survey, Umatilla, Oregon—Conduct building inspections for asbestos-containing building materials to assist abatement activities.



Technical Skills

Programming—Python, SQL, JavaScript, HTML, R, Visual Basic, Django, Flask

GIS—ArcGIS Suite, QGIS, Google Earth, Trimble

Database—PostgreSQL, Amazon Web Service, Microsoft SQL Server, SQLite, Microsoft Access, EarthSoft EQUIS, Esri Geodatabase

Other—Ubuntu, LibreOffice, Microsoft Office Suite, Powershell, Git, Mercurial

