

# DATA ACQUISITION

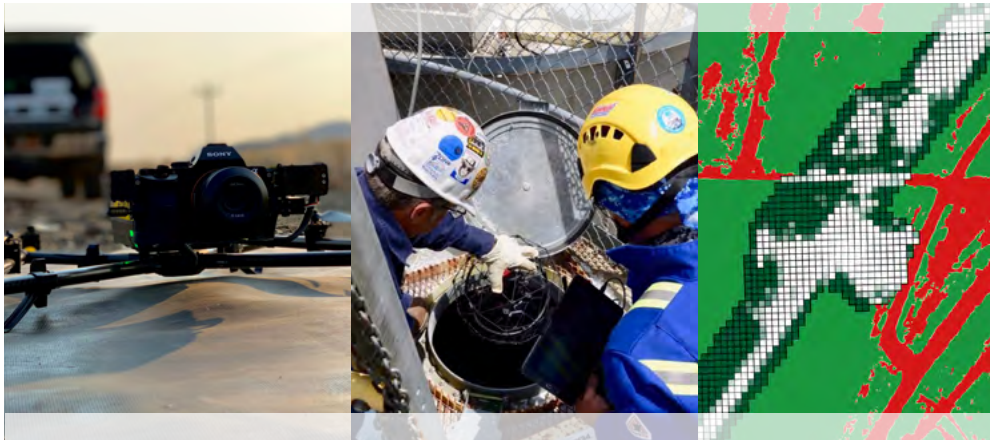
## LAND, SEA, AIR, AND SPACE

### SWCA'S DATA-UP APPROACH

For SWCA, working from the “Data-Up” is a holistic problem-solving approach that begins with listening to client concerns and the science surrounding their projects so pain points and data blind-spots can be identified. With a solid understanding of the problem, we develop creative solutions through the application of remote sensing technology resulting in the rapid delivery of powerful actionable intelligence all while reducing risk and saving time & labor over traditional methodology.

### THE TEAM

SWCA's Data Acquisition Team is a technology agnostic interdisciplinary group of thought leaders specializing in Remote Sensing, Photography, Geospatial, Software/App Dev, AI/ Machine Learning, and Environmental Science and Engineering.



### TECHNOLOGY MATRIX

There is no one size fits all when it comes to project-based sensor, deployment, and information delivery options. We actively capture and fuse relevant project data in near real time employing a myriad of sensors (payloads / cameras) using robots operating from Land, Sea, Air, and Space. Every project is different, and our data acquisition planners are committed to the development of solutions tailored to your requirements. SWC.ai, our Digital Geospatial Visual Intelligence & Data Fusion Platform, leverages a powerful AI/engine driving the rapid rendering of granular actionable intelligence from massive multi-terabyte datasets. SWC.ai is your interactive portal to strategic digital information where you can intuitively view, analyze, annotate, report, share, download, and render critical intelligence in support of key project decisions and reporting.

### SERVICES & CAPABILITIES

- Risk Based Decision Support Systems
- Statistical Analytics & Modeling
- Satellite Imagery Analysis
- Thermal Mapping
- Wetland Mapping
- Archaeological Site Mapping
- Vegetation Density Reporting
- Restoration/Reclamation
- Invasive Species Monitoring
- Construction Monitoring
- Storm Water/Erosion Monitoring
- Endangered Species Monitoring
- Vertical Asset Inspection
- 3D Modeling / As-built
- UAS Land Survey
- Photogrammetry/LiDAR
- UAS Program Development/ Management
- Confined Space UAS
- DoD Environmental Compliance
- Application Development
- Assessment & Remediation
- Mining
- Energy/Petrochemical Facility
- Underwater ROV

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ENVIRONMENTAL CONSULTANTS