

## ABOUT HSW

HSW is an integrated earth science and engineering firm providing proactive, innovative, and cost-effective solutions for Environmental, Water Resources and Civil/Land Development projects with a strong Quality Assurance component.

HSW has distinguished itself as a leader in the environmental industry by adhering to the philosophy of strategic long-range management of environmental concerns. This successful philosophy revolves around a project organizational structure that maintains strict Quality Assurance, effective communication, and senior leadership.

HSW has successfully applied innovative strategies to technical and regulatory issues nationwide, resulting in substantial cost and time savings. This approach assures our clients of the best possible service and value and is a key reason why more than 90% of our work comes from previous clients. This successful approach has also been integrated into all aspects of our firm, including our Water Resources, Civil/Land Development Practices, and other sectors.

## LOCATIONS

- TAMPA
- ORLANDO
- GAINESVILLE
- SARASOTA
- WEST PALM BEACH



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[HSWENG.COM](http://HSWENG.COM)

Engineering and Scientific solutions within your reach...



QUALITY ASSURANCE



within your reach...

# HSW PROVIDES THE FOUNDATION FOR QUALITY ASSURANCE



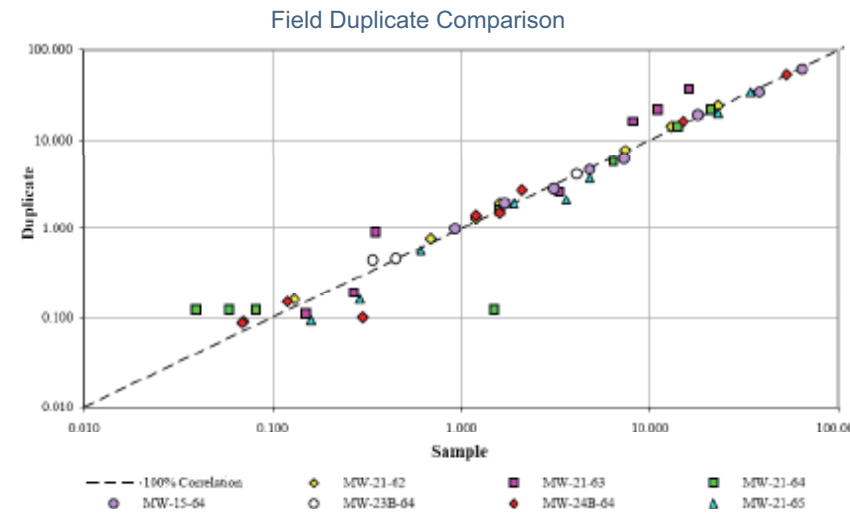
*From project inception through project completion, HSW's Quality Assurance team provides expertise in field and laboratory Quality Assurance and data management. Our staff are highly qualified with many years of experience in project planning (developing data quality objectives for field and laboratory parameters and laboratory contracting), project implementation (field / laboratory audits, data assessment / validation, and database management), and project completion (data quality assessment and quality control summary reports).*

## CINDY LEE WESTERGARD

Ms. Westergard, HSW's QA Officer, has over 20 years experience in the environmental industry. She has extensive knowledge of QA/QC principles and analytical methods, having validated data for hundreds of projects of varying size and complexity, including full CLP deliverables. Ms. Westergard is experienced with both ADaPT® and ADR® automated data review software and has given several training courses in both types of software. Over the past four years, Ms. Westergard has conducted over two dozen audits of full-service analytical laboratories throughout Florida. Ms. Westergard also has worked as an analytical chemist and has served as the on-site field chemist in nearly 100 field investigations. Ms. Westergard currently manages a large contract with the South Florida Water Management District for QA support.

## LINDA HOFFMAN

Ms. Hoffman is a project manager with over 20 years of experience in the environmental industry, specializing in QA/QC, training, site investigation and remediation, and process control. As a QA manager, she draws upon her experience as an analyst while in industry and at a major university. Ms. Hoffman has developed curriculum for and instructed environmental sampling technicians, treatment plant operators, laboratory technicians, hazardous materials handlers, and emergency spill responders. She routinely provides operations and maintenance oversight of remediation systems and QA oversight for many projects.



## QUALITY ASSURANCE SERVICES

### DATA QUALITY ASSURANCE

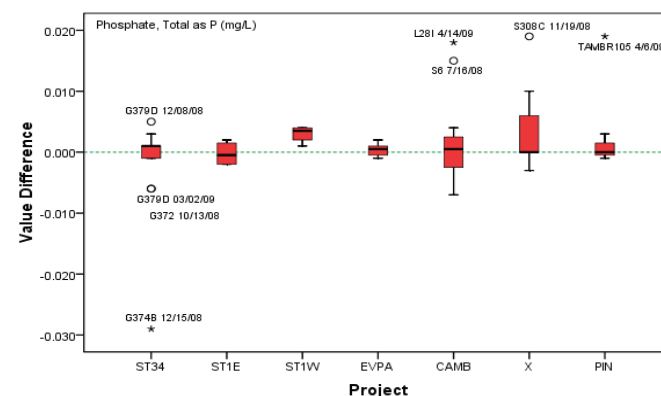
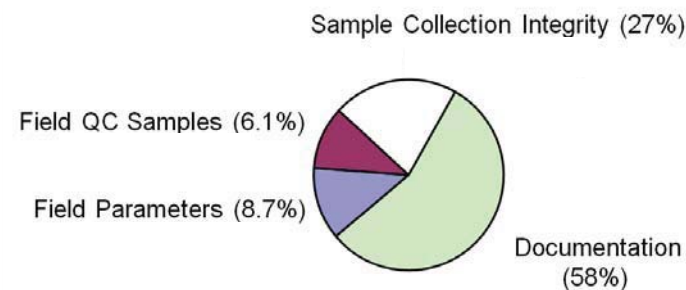
- Third-party Data Validation
- Automated Data Review (ADaPT® and ADR®)
- Data Assessment / Validation Reports
- USACE-compliant Quality Control Summary Reports
- Project Libraries (ADaPT® and ADR®)
- Automated Data Reduction / Reporting (SoTo®)
- Quality Manuals
- Standard Operating Procedures
- EPA-compliant Quality Assurance Project Plans
  - RCRA
  - NPDES
  - Brownfields
- Project Data Quality Objectives
- Sampling and Analysis Plans
- Design and Maintenance of Project Databases
- Management of Electronic Data Deliverables

### AUDITING

- Laboratory Audits
- Field Audits (EPA/FDEP Compliance)
- Pre-audit Readiness Assessments (Field & Laboratory)

### TRAINING

- Automated Data Review (ADaPT® and ADR®)
- FDEP/EPA SOP Compliance for Field Activities
  - Field Testing
  - Quality Control
  - Instrument Calibration / Verifications
  - Documentation
- NELAP Compliance for Laboratories



## KEY CLIENTS

- CITY OF OCALA
- LOCKHEED MARTIN
- NORTHROP GRUMMAN
- FLORIDA DEPARTMENT OF TRANSPORTATION
- J2 ENGINEERING
- PRIVATE CONSULTING FIRMS
- SOUTH FLORIDA WATER MANAGEMENT DISTRICT
- URS
- ZAPATA ENGINEERING

## KEY SERVICES

- QA Oversight of Field and Laboratory Activities for Multi-billion Dollar Land Transfer
- FDEP SOP Training for Defense Contractors, Consultants, and State Agencies
- FDEP SOP-Compliant Field Audits
- Project-Specific ADaPT® Library for \$1M Laboratory Deliverables
- Automated Data Review Training (ADaPT® and ADR®)
- Third-party Data Validation
- Data Assessment / Validation Reports
- USACE-Compliant Quality Control Summary Reports
- Automated Data Review Using ADaPT® and ADR®
- Quality Assurance Project Plans
- Electronic QAPPs (ADaPT® and ADR® Libraries)
- Automated Data Reduction / Reporting (SoTo®)
- Laboratory Audits
- Laboratory / Administrative Standard Operating Procedures
- Quality Manuals
- Sampling and Analysis Plans
- Management of Electronic Data Deliverables
- Database Design and Maintenance
- Data Investigation
- Annual Quality Assessment Reports