

COMPANY BACKGROUND

Incorporated in the State of Florida, with offices located in Tampa, Orlando, and Gainesville, Florida; and Franklin, Tennessee, HSW was founded in 1988 by three professionals with over 80 years of combined experience in environmental engineering services. Staff members have backgrounds in engineering (chemical, civil, environmental, electrical, mechanical, structural, and mining), geology, hydrogeology, soil physics, hydrology, computer modeling, chemistry, ecology, and toxicology.

HSW offers professional services in the following areas:

Environmental - Environmental assessments and impact analyses; design, construction, and maintenance of remediation systems; design and implementation of groundwater and surface water monitoring programs; permit applications; regulatory compliance; hydrogeologic and fate & transport modeling; air emissions permitting; wetlands delineation and mitigation programs; Phase I, II and III ESAs; and expert testimony in litigation cases.

Water Resources - HSW has extensive experience in the planning, management and development of water supply needs/sources; water treatment and water conservation programs such as Safe Aquifer Yield Determination, Establishment of Minimum Flows and Levels, Water Distribution System Design and Optimization, Watershed Modeling and Flood Area Delineation, Storm Water Conveyance, Environmental Remediation Evaluation, Design & Optimization, Environmental Forensics, Nutrient & Sediment Transport, and Estuarine Systems.

Civil/Land Development - HSW also specializes in site development and design; utilities master planning; surface/stormwater management, permitting and design; stormwater and hydraulic modeling; roadway and structural design; wetlands delineations and assessment, wildlife surveys, and mitigation.



HSW ENGINEERING, INC.

Corporate Headquarters

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For further information on our services,
visit our website at www.hsweng.com

MILITARY AND LAW ENFORCEMENT RANGE DESIGN



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**DESIGN CAPABILITIES
INCLUDING THE FOLLOWING:**

- Range and Training Land Program (RTLTP) Planning
- DD 1391/DD 3086 Data Submission Packages
- Civil/Site Grading, Drainage, and Range Access/Downrange Trails
- Range Operations Support Buildings
- Power and Fiber Optic Design
- Surface Danger Zone Analysis
- Line of Sight Evaluation
- Surveying and Geotechnical Investigations
- Innovative Technology Application Analysis
- Sustainable Design Applications
- NEPA Documentation and Investigations
- Construction Plans, Specifications, and Cost Estimates (M-CASES)
- Engineering Services During Construction



PROJECTS

The U.S. Army Engineering and Support Center, Huntsville retained HSW as the prime contractor for a 5-year, \$20-million contract to provide full-discipline A/E support services in the range and training land program. During the first two years of this contract, HSW has been awarded range design projects in Hawaii, Wisconsin, Pennsylvania, and Kentucky.

PROJECT DEFINITION, 10% DESIGN

FT. KNOX, KENTUCKY

- Multi-purpose Machine Gun Transition Range

**DD 3086 DATA SUBMISSION (15%)
DESIGN PACKAGES**

**OAHU ISLAND AND HAWAII ISLAND,
HAWAII**

- Antiarmor Live Fire and Tracking Range (Pohakuloa Training Area)
- Qualification Training Range 2 and Battle Area Complex (Schofield Barracks)



FT. MCCOY, WISCONSIN

- Squad Defense Range and Infantry Platoon Battle Course

**COMPLETE 100% PROJECT DESIGN
PACKAGES**

FT. MCCOY, WISCONSIN

- Squad Defense Range and Infantry Platoon Battle Course

FT. INDIANTOWN GAP, PENNSYLVANIA

- Multi-Purpose Training Range

