

HSW Engineering, Inc. is an integrated earth science and engineering firm providing proactive, innovative, and cost-effective solutions for environmental, water resource, and civil/land development projects.

Incorporated in the State of Florida, with offices located in Tampa, Orlando, Deland, Sarasota, and Gainesville, Florida, HSW was founded in 1988 by three professionals with experience in earth science, environmental, and engineering disciplines. Staff members have backgrounds in engineering (chemical, civil, environmental, electrical, mechanical, structural and mining), geology, hydrogeology, soil physics, hydrology, hydrologic (groundwater and surface water) and solute transport modeling, chemistry, ecology, toxicology, GIS and mapping. All professional and technical staff members, including the principals, maintain focus on their areas of practice and client relationships.

HSW capabilities include implementation of mitigation measures such as dust control, biological surveys, on-site environmental monitoring, consultation with DPW Cultural Resources, placing sensitive areas off-limits, and providing education briefings for all in-coming soldiers. HSW history over the past 19 years has encompassed applications in each area of environmental concern present in range operation and maintenance, including erosion control, water quality, air quality, prevention of metals accumulation, wetlands and habitat protection, and stormwater pollution prevention. We have performed wetlands delineations, reconstructions, and degradation prevention. We have routinely prepared Stormwater Pollution Prevention Plans and have been involved in all aspects of related permit issues, including air quality permitting and water quality investigations.

HSW is a small business firm with access to a Federal Supply Service Schedule Contract from GSA, providing faster and more cost-efficient means to meet our client's needs.



Range Design



Contact Information:

C. Dennis Peek, PE
HSW Engineering, Inc.
3820 Northdale Blvd., Suite 210B
Tampa, Florida 33624
Phone: (813) 968-7722
Fax: (813) 962-2406
E-mail: cdpeek@hsweng.com

www.hsweng.com





Battle Area Complex (BAX)
Pohakuloa Training Area, Hawaii



Infantry Platoon Battle Course (IPBC)
Ft. McCoy, Wisconsin



Multi-Purpose Training Range (MPTR)
Ft. Indiantown Gap, Pennsylvania

The U.S. Army Engineering and Support Center, Huntsville retained HSW as the prime contractor for a five-year, \$20-million contract to provide full-discipline A/E support services in the range and training land program.

HSW range design projects include:

- Qualification Training Range (QTR), Schofield Barracks, Hawaii
- Battle Area Complex (BAX), Schofield Barracks, Hawaii
- Antiarmor Live Fire and Tracking Range (AALFTR), Pohakuloa Training Area, Hawaii
- Battle Area Complex (BAX), Pohakuloa Training Area, Hawaii
- Squad Defense Range (SDR), Fort McCoy, Wisconsin
- Infantry Platoon Battle Course (IPBC), Fort McCoy, Wisconsin
- Multi-purpose Training Range (MPTR), Fort Indiantown Gap, Pennsylvania
- Multi-purpose Machine Gun (MPMG) Transition Range, Fort Knox, Kentucky
- Combined Arms Collective Training Facility (CACTF), Fort A.P. Hill, Virginia
- Development of Environmentally Stable Range Design Elements and Quality Control Guidance to Reduce Maintenance Requirements on Training Ranges, Corps of Engineers Research Laboratory (CERL)
- Combat Pistol Qualification Range (CPQR), Shoot Houses, Light Demo Range, Ft. Bliss, Texas
- Urban Assault Course (UAC), Convoy Live Fire (CLF), Infantry Squad Battle Course, Ft. Bliss, Texas
- Close Combat Tactical Training (CCTT), Ft. Bliss, Texas
- 800 Meter Known Distance Range and 1200 Meter Range, Asymmetrical Warfare Group, Ft. A.P. Hill, Virginia

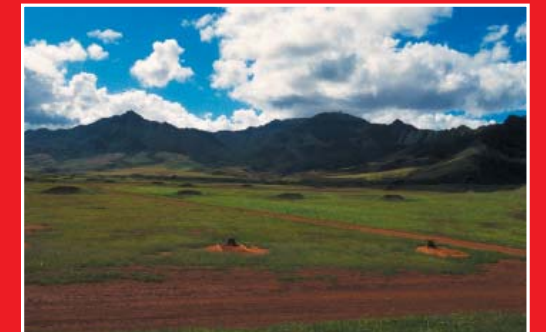
The HSW Team provides a unique blend of expertise in engineering design, environmental compliance, permit acquisition and knowledge of range requirements as users, trainers, and developers. HSW has acquired a national reputation for using innovative and streamlined approaches to assess and resolve a broad range of complex engineering and environmental concerns. One of our Team members, the Mason & Hanger Group (MHG), has a long history of providing outstanding, sustainable, multi-discipline engineering designs and construction management with emphasis on value engineering and energy efficiency. Another Team member, Ronnie Ward & Associates (RWA), has hands-on experience with all aspects of range usage and training, and their extensive knowledge provides unique contributions in range component areas.

HSW Team design capabilities include:

- 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
- Cost Estimates (M-CASES and M II)
- Engineering Services During Construction



Combined Arms Collective Training Facility (CACTF)
Ft. AP Hill, VA



Battle Area Complex (BAX)
Schofield Barracks, Hawaii