**Jesse A. Scott**

**Professional Experience**

Dec 2019 – Present US Army – Corps of Engineers – Mississippi Valley Division, St. Paul District St. Paul, MN

**Hydrographer – Geospatial Specialist GS-7**

* Installing and maintaining hydrologic monitoring stream flow and precipitation gages, data collection platforms, staff gages, etc.
* Monitor flow conditions at all stream gaging sites to determine validity of rating curve, and development of streamflow forecasts.
* Establish survey benchmarks and monuments at gaging stations, utilizing differential leveling to determine slope-area measurements.
* Conduct hydrologic modeling, reservoir operations and watershed runoff studies, correlating stream flow, snow accumulation and melt, and precipitation data.
* Compute discharge records processing for stream gaging stations with stage-discharge relationships, incorporating streamflow regulations, changing slope, or variable amounts of backwater from debris, nearby streams, or control structures.
* Prepare and code geometric and other input data for the Corps Hydrologic Engineering Center (HEC) suite of models, including the Hydrologic Modeling System (HMS), Reservoir Simulation (ResSim), and River Analysis System (RAS).
* Developed program, methodology, and procedures for conducting snow surveys and hydrological data collection, incorporating a mobile data collection platform synced to ArcGIS Pro in collaboration with NOAA/NWS, MN DNR, and USGS, for use in climate predictions, hydrological flow modeling, flood inundation mapping, and emergency mgmt.
* Wrote US Army Battle Rhythm involving workflow procedures for regulating waterways, and managing stream gage network, and hydrologic time-series data quality control, of the USACE St. Paul District; MS River Lock & Dam 1-10, Upper MS River basin, MN River basin, St. Croix R., Red R., and Souris River watershed basins.

Apr 2019 – Nov 2019 US Dept. of the Interior – Bureau of Land Management – Upper Willamette Resource Area Springfield, OR

**Hydrologic Tech GS-6**

* Performing stream delineation mapping, ecological and fisheries habitat assessments under a variety of adverse field conditions
* Creating digitized watershed maps using ArcGIS Pro software for riparian habitat conservation easements in preparation for timber harvest, fisheries water quality protection, and designated sensitive wildlife ecosystem protections
* Logistically prioritized geographic regions for geo-spatial database collection and personnel efficiency
* Collaborated with engineers, wildlife and fisheries biologists, and silviculture technicians to ensure objectives are attained
* Performed functions as Wildlife Biologist; acoustic bat monitoring, habitat surveys of Purple Martins, Western Pond and Painted Turtles

Reference: Brian Barr, Natural Resources Specialist - (541) 515-8648

Feb 2017 – Feb 2018 US Dept. of the Interior – US Geological Survey – Caribbean-Florida Water Science Center Orlando, FL

**Hydrologic Tech GS-5**

* Performing routine measurements of stage and discharge under a variety of adverse field conditions
* Performing routine field water-quality measurements such as water temperature, specific conductance, pH, dissolved oxygen and alkalinity
* Computing, processing, checking and approving continuous surface water, groundwater and water quality using Aquarius time-series software
* Deploying storm surge sensor equipment; Surveying high water marks; Stream gage construction; Deployment to P.R., Oct-Nov 2017
* Performing installation, maintenance, servicing, and troubleshooting of sensing, recording, and communications equipment and instrumentation

Reference: Brett Johnston, Hydrologic Technician - (321) 239-4818

May 2016 – Oct 2016 Terracon Consultants, Inc. Tampa, FL

**Environmental Scientist – Project Manager**

* Project Management of Phase I & II Environmental Site Assessments throughout Florida conducting investigations and surveys to sample, measure and analyze air, water, material and soil
* Identify, evaluate and recommend risk and remediation strategies/designs to insure compliance with federal, state and local regulations
* Prepare permit applications, risk assessments, and technical documents including proposals, reports and regulatory agency correspondence
* Project Management of Ecological and Natural Resource field surveys; Tank Closure Assessments; Asbestos Abatement; Storm Water Management; Site Planning and Permitting; Landfill Gas Monitoring

Reference: Russell Stauffer, P.E., Sr. Industrial Hygiene Engineer - (727) 218-8323

May 2015 – Aug 2015 Professional Service Industries, Inc. Tampa, FL

**Staff Scientist – Project Manager**

* Conducted asbestos inspections; Met with clients; Prepared, written and delivered proposals, NESHAP renovation, demolition and air-monitoring abatement oversight reports; Prepared and written invoices; Provided oversight to ACM abatement projects

Reference: Rama Ruttala, Sr. Project Scientist – (305) 934-3816

Nov 2011 – May 2015 AMEC Foster Wheeler Tampa, FL

**Environmental Tech II – Project Manager**

* Directed monitoring well and soil boring installation. Screened samples for petroleum hydrocarbon and solvent contamination; Conducted delineation assessments of contamination plumes in soil and groundwater; Phase I & II Environmental Site Assessments including air, soil and groundwater confirmation sampling; Create quarterly and annual reports, proposals, spreadsheets/tables; Order sampling equipment and coordinate schedules with geo-technicians and utility clearance personnel
* Geotechnical and sinkhole stabilization supervision of all sinkhole grout injection remediation phases
* Received First Quarter 2014 Exceptional External Client Services Award and Plaque; Received US Air Force 6th Civil Engineering Squadron Director’s Exceptional Performance Challenge Coin as Utility Privatization Program Engineering Liaison between USAF, US Army Corps of Engineers, Florida Government Utility Authority and other DoD contractors 4/2013 – 9/2013

Reference: Kevin Jobes, Remediation Mgr. - (863) 440-6863

Oct 2009 – Dec 2010 Sustainable Natural Resources Club University of Oregon

**President and Founder**

* Promote and lead ecological restoration and conservation projects with community; Adoption of a local park; Physical and biological monitoring of riparian and high desert ecosystems; Non-native invasive plant extraction

Reference: Dr. Mathew Shinderman, Senior Natural Resources Instructor – (541) 322-3159

Sept 2008 – Sept 2009 US Dept. of Commerce – National Oceanic & Atmospheric Admin. Charleston, SC

**Seaman – NOAA Ship Ronald H. Brown**

* Deployment and recovery of scientific instruments such as the Ocean Reference System, tsunami-warning buoys, hydrophones, ROV’s, UCTD & CTD’s, micro-structural profilers, weather balloons and drifting buoys; Small boat handling during buoy recovery/deployment operations and assistance during rescue operations
* Bridge watch stander and lookout assistance in navigation/helmsman duties; reporting ship traffic, assisting in bearing/heading courses, assisting in transit of port arrival and departure, reporting inclement weather conditions and ship hazards; D.O.T. TWIC

Reference: CDR Todd Haupt, NOAA Commissioned Corps Executive Officer, (301) 713-0530

Mar 2008 – Sept 2008 Creative Environmental Solutions Brooksville, FL

**Environmental Specialist I**

* Designed and monitored wetland mitigation; Wetland delineation for environmental permitting and construction activities; Surveyed flora, fauna and protected species for SWFWMD and FL Dept. of Env. Protection
* Directed monitoring well and soil boring installation and screened samples for petroleum hydrocarbon and solvent contamination; Conducted delineation assessments of contamination plumes in soil and groundwater; Phase I & II Environmental Site Assessments including confirmation sampling in accordance with FDEP regulations
* Mineral exploration including split spoon and direct push technology for geologic sampling, analysis and sinkhole/geotechnical investigation; Operated and maintained soil and groundwater remediation systems using air-sparging and soil vapor extraction
* Completion of NRCS course: Methods for Identifying Soils & Determining Seasonal High Groundwater Table Depth

Reference: George Foster, P.G., President & Principal Geologist (352) 796-3374

Jan 2007 – Dec 2007 In The Breeze Horse Academy Tampa, FL

**General Manager**

* Responsible for management of horse riding stable, boarding facility and horse/livestock rescue, 75 horses, 10-12 employees and 30-40 volunteers, visitors and all other livestock
* Maintained all accounts payables and receivables; Properly budgeted funds necessary to expedite payroll, feed, and equipment; Collected rent due from lessees, boarders and 8-10 tenants who lived on property
* Coordinated a children’s camp while keeping record of all camper registrations; 20-50 children per day; Directed camp counselors in the proper familiarization and execution of horsemanship education; AQHA Trail Guide

Reference: Jamie Augustyn, Assist. Mgr. – (813) 766-9732

Jan 2006 – Sept 2008 EnHydro LLC Tampa, FL

**Environmental Tech**

* Assist in conducting hydro-geologic, geotechnical and wellfield services throughout Florida

Reference: Cliff Harrison, P.G., President & Principal Geologist (813) 293-0740

**Professional Certifications**

* 40hr osha hazwoper; 8hr HAZWOPER refresher; Radioactive Materials Safety and Transportation; CSX Roadway Worker certification
* EPA/AHERA Licensed Asbestos and Building Inspector

**Education**

University of Florida Gainesville, FL Master of Science, Forest Resources and Conservation; Ecological Restoration, July 2020

UF SFRC Graduate Certificate: Natural Resources Policy & Admin., July 2020

St. Petersburg College Clearwater, FL Bachelor of Applied Science, Sustainability Management, May 2016

St. Petersburg College Clearwater, FL A.A., Honor Graduate, July 2009

**Publications**

*A Critical Examination of Sustainability Incorporations at Tropicana Field*, Thesis for B.A.S., St. Petersburg College, Dec. 2015

Improving water, waste and energy efficiency for Tampa Bay Rays, St. Petersburg, FL

**Professional US Govt./Military Experience**

Jan 2011 – Dec 2018 United States Coast Guard USCG Sector St. Petersburg, FL

**Deputy Sector Coordinator – Contingency Planning & Incident Mgmt./Emergency Operations Centers (2016-2018)**

* Provides primary leadership and coordination of Incident Management Team emergency contingency planning, response, accountability and execution throughout fifteen counties – all of Sector St. Petersburg’s Area of Responsibility – along Florida’s Gulf Coast.

Reference: Tom Bamford, District Captain – (239) 565-0508

Reference: Ron Howington, Sector Coordinator – (941) 981-2128

**Director’s Security Liaison Officer (2014-2019)**

**Director’s Assistant Security Liaison Officer (2011-2013)**

* Security Liaison between: Sector St. Petersburg Command Security Office, Air Station Clearwater, Station Sand Key, Auxiliary Division 11 and D7 DIRAUX Office
* Security processing: Aux new member enrollments, citizenship verification, background, criminal and fingerprint investigations
* Responsible for maintaining: security program, training, certification and appointment of twelve Fingerprint Technicians
* Provided direct training that has resulted in five new certified and appointed Fingerprint Techs throughout the division.
* Responsible for training and conducting Information Security & Privacy Awareness
* Active USCG Direct Operational Security Status (Secret Ready) - Renewed Aug 2011

Reference: Bill Sorrentino, Director’s Executive Assist. Security – beachlaw1@cfl.rr.com

Jan 2007 – Present United States Coast Guard Aux Seventh USCG District

**Commander, Division 11 (DCDR) (2017-2018), Vice Commander, Division 11 (VCDR) (2016)**

**Commander, Flotilla 11-1 (FC) (2015), Vice Commander, Flotilla 11-1 (VFC) (2014)**

**Seventh District Paddlecraft Program Coordinator & Committee Chairman (2016-2017)**

The Seventh District, Division 11 Area of Responsibility (AOR) is in the Central Western Florida Gulf Coast area extending from Aripeka in the north to Treasure Island in the south and the western half of Tampa Bay, providing direct support to Coast Guard Station Sand Key, Coast Guard Sector St. Petersburg, and Coast Guard Air Station Clearwater.

* Provides primary leadership and supervision of Division activities
* Qualifications include: Coxswain, AUXOP; Fingerprint Technician; Operational Excellence Boat Crew; Food Service Specialist; CPR; First Aid; AED
* Conduct search and rescue operations and marine safety patrols within the most active SAR unit in the country
* FEMA Incident Command 100, 200, 210, 300, 700 & 800

Reference: Peter Palmieri, Commander – (727) 584-2302

Feb 2004 – Dec 2005 United States Marine Corps NAS Pensacola, FL & Camp Lejeune, NC

**Aircraft Maintenance Squadron Leader**

* Primary leadership to squadron personnel; Community Service Liaison, and J.A.G. Bailiff/Prisoner Escort
* Deployment of medical equipment to victims of Hurricanes Charlie, Ivan, and Katrina
* Assisted in command of disaster relief facilities; Relocated evacuee families to temporary safe housing

**Recognition**

* Recipient of the Presidential Volunteer Service Award (Gold) – Dec, 2015; Achievement Medal (1); Sustained Service Medal (10); ‘Five Year’ Service Award (2); USCG Unit Commendation (3); Meritorious Unit Commendation (1); USCG Meritorious Team Commendation (13), Operational Excellence Award (1), National Defense Service Medal (1); Humanitarian Service Medal (1); Special Operations Medal (1); Marine Safety & Environmental Protection Specialist (1); Operations Performance Awards (2)
* Shipmate of the Month, USCG Station Sand Key – April 2014