|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| jesse a. scott  |  | | --- | | (541) 410-4195JESSEARONSCOTT@GMAIL.COM | | PROFESSIONAL EXPERIENCE ***U.S. Army Corps of Engineers, St. Paul, MN; Regulatory Wetland Biologist, Hydrographer and Geospatial Scientist GS-9, 2019-Present***  ***Eighth U.S. Coast Guard District, Marine Safety and Environmental Protection Officer; DCDR, 2007-Present***  *Bureau of Land Mgmt., Springfield, OR; Hydrographer GS-6, 2019*  *U.S. Coast Guard, Sector St. Petersburg, FL; Incident Mgmt. Officer, 2016-2018*  *U.S. Geological Survey, Orlando, FL; Hydrographer GS-5, 2017-2018*  *Terracon Consultants Inc., Tampa, FL; Environmental Scientist, 2016*  *Professional Service Industries, Tampa, FL; Staff Scientist, 2015*  *AMEC Foster Wheeler, Tampa, FL; Environmental Tech II, 2011-2015*  *National Oceanic & Atmospheric Admin., Charleston, SC; Seaman, 2008-2009*  *Creative Environmental Solutions, Brooksville, FL; Environmental Specialist, 2008*  *In the Breeze Horse Academy, Tampa, FL, General Manager, 2007*  *U.S. Marine Corps, NAS Pensacola, FL; Aircraft Maint. Squad Leader, 2004-2006* | | Education *University of Florida:*  PhD (2023), M.S. (2020), Forest Resources and Conservation with a concentration in Ecological Restoration  Grad. Certs: Natural Resources Policy & Admin.; Geospatial Analysis; Forest Health and Resilience  *St. Petersburg College:*  B.A.S. (2016), Sustainability Mgmt.  A.A. Honors (2009), Environmental Science | |  | |  | | --- | | OBJECTIVETo enhance my field research knowledge and skill set in contribution to academic and professional goals involving eco-hydrology, forest composition, and trophic cascade dynamics that can be translated into PhD dissertation, career within the federal scientific research communities, and future desire to teach graduate college-level ecology related coursework. | | why invest in me? With a diverse background of environmental science, geotechnical, business and military management experience, I will be a strong asset assisting with project coordination, conducting and overseeing various field investigations and watershed management projects.  Most recently with the US Army Corps of Engineers, I developed a program, methodology, and procedures for conducting snow and ice surveys, hydrological monitoring, and water quality data collection, incorporating the use of mobile data collection platforms synced to ArcGIS Pro. This methodology increased collaboration with the National Weather Service, MN and WI DNR, and USGS, for use in climate predictions, hydrological flow modeling, flood inundation mapping, and emergency mgmt.  While employed by the Bureau of Land Mgmt., I conducted field stream delineation surveys evaluating the ecological and fisheries habitats. Utilizing geospatial mapping software (ArcGIS Pro), I published maps used for creation of riparian habitat conservation easements in preparation for timber harvest, fisheries water quality protection, and designation of ESA Critical Habitats. In addition to being a Hydrographer, I was cross-trained and actively employed as a Wildlife Biologist conducting federally protected species habitat analysis.  While employed by USGS, I performed measurements of stage and stream discharge, conducted water quality studies, processed and published continuous real-time surface water, groundwater, and water quality data for the public using Aquarius time-series software. I was deployed four times throughout Florida and Puerto Rico in support of the 2017 hurricane season deploying storm surge sensor equipment, surveying high water marks and stream gage construction for creation of FEMA flood inundation mapping and emergency response.  My recreational outdoors activities include kayaking, multi-day backcountry hiking and snowshoeing, primitive camping, fly fishing, bicycling, cross-country skiing, and boating. | | Publications *Scott, Jesse A., Broadbent, Eben N., Adams, Alison E., (2021) Restoring the resiliency of endangered Lepidopteran species critical habitat: Linking ecosystem processes and disturbance-dependent habitat regimes by geospatial analysis. M.S. thesis,* Univ. of Florida  *Scott, Jesse A., (2015) A Critical Examination of Sustainability Incorporations at Tropicana Field: Improving water, waste and energy efficiency for Tampa Bay Rays, St. Petersburg, FL*, Capstone for B.A.S., St. Petersburg College | |