



Erik Lash, GISP, RPA

GIS Professional · Registered Professional Archaeologist · M.A., NC State

GIS program and project manager with more than 25 years in applied geography. Leads geospatial work from scope to delivery: field data collection, spatial analysis, enterprise GIS systems, and the technical reports that support decisions. Available to join project teams as a GIS subconsultant or specialist.

Core capabilities

- GIS project and program management
- Enterprise GIS architecture, administration, and governance
- Spatial analysis, modeling, and cartography
- Geospatial databases, data engineering, and automation
- Natural and cultural resources GIS; Section 106 and NEPA support
- Coastal, watershed, and marine spatial planning
- Field survey and GIS data collection
- Technical writing, peer review, and training

Software and tools

- Esri ArcGIS Pro, ArcGIS Enterprise and Portal
- QGIS, PostgreSQL/PostGIS, SQL Server
- Google Earth Engine, Leaflet web mapping
- Python, SQL, R, JavaScript

Engagements

- Teaming as GIS subconsultant or specialist
- Short, well-defined tasks and longer engagements
- Workshops designed around the group's needs
- All Hawaiian Islands, on site or remote

Experience highlights

- 2019–present Public-sector enterprise GIS program management for a Hawai'i county government: web GIS, geospatial databases, and services for 300+ users.
- 2016–2017 Principal Investigator and project manager, cultural resources consulting firm, O'ahu: regional office, field investigations, GIS, and reporting.
- 2013–2015 Commonwealth of the Northern Mariana Islands: coastal zone management GIS and marine spatial planning; Section 106 and NEPA review for the Historic Preservation Office.
- 2006–2013 Environmental and archaeological GIS across the Carolinas and U.S. East Coast; field archaeology and geospatial analysis in Guam and the Mariana Islands.

Selected projects

- ORCAAH: Hilo Bay water quality in Google Earth Engine (code tool)
- HiCo FADS: Hawai'i County FAD buoy web map (QGIS, Leaflet)
- Hurricane Irene sound-side storm surge analysis, NC (NOAA NetCDF)
- Protected species habitat modeling, Croatan National Forest
- UNESCO survey and mapping, Ahu Ura Uranga Te Mahina, Rapa Nui

Publications and service

- *Journal of Conflict Archaeology* (2018), doi:10.1080/15740773.2018.1533667
- *Archaeology in Oceania* (2007), doi:10.1002/j.1834-4453.2007.tb00017.x
- Director, Hawai'i Geographic Information Coordinating Council
- Languages: English; Spanish (limited working)