

Iwi Kupuna Hawaiian Burials – Predictability Models

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Primary Predictive Effort

1. Comparative (digital when possible) analysis of aerial photographs
 - a. historical
 - b. new aerial photography (which is problematic in highly vegetative areas)
 - c. Data analysis of known burials in the area
2. Archaeological (Pedestrian) ground reconnaissance
 - a. botany (plant life and development)
 - b. pedology (study of soils)
 - c. geomorphology (study of evolution and configuration of landforms)
 1. Closeness to potable water
 2. Visibility patterns (what/who can be seen from habitational area?)
3. Historical/Cultural Information
 - a. pre-historic (what parameters? – food sources, material sources (lithics, vegetation for manufacturing items...))
 - b. historic (what parameters? – food sources, material sources (lithics, vegetation for manufacturing items)
4. Previous Archeological Work
 - a. Location
 - b. Significant findings
 - b. Relative Interpretative results
5. Oral Testimonies (**THIS IS EXCELLENT**)
 - a. Burial Custom(s) (Type of burial – site selection, in ground, above ground...)
 - b. Mortuary Practices (clothed, preferred placement, groupings)
 - c. Mortuary materials (stone, metal, organic, jewelry, other objects)

Comment [gcd1]:

Comment [gcd2]:

Secondary Predictive Exploration

1. Canine Indications (ok, be careful – the earliest documented burial located by a cadaver dog was a soldier from the war of 1812 – so this might not be fitting to add here)
2. Geophysical Tools
 - a. Ground Penetrating Radar
 - b. Magnetics
 - c. Electromagnetics
3. Archeological Survey and Inventory
 - a. Pedestrian Survey
 - b. Non-destructive survey (geophysics)
 - c. Target selection
 - d. Target test excavation
 - e. Full excavation as required

3. Once potential targets are identified we investigate them with geophysical tools such as GPR, magnetics and/or electromagnetics. Please understand that most of our searches are focused on finding an individual grave, and much of our information comes from folks (suspects or informants) who really don't want to help (DELETE THIS)