Loma Linda University SPH RAC

Dave Dyjack
Principal Investigator

LLU RAC

- LLU Christian Health Sciences University
- 75 miles east of Los Angeles
- Catchment Southwestern U.S.& Hawaii
- Aim: Capacity Building
- Major Clients:
- California Conference of Directors of Environmental Health
- Native American Tribes
- Riverside and San Bernardino County DPH
- > Others

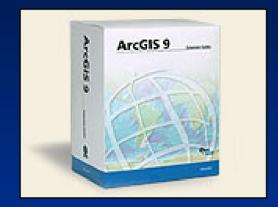
Case Study: Native Americans

- Partners:
- Diné College New Mexico & Arizona
- Native American Environmental Protection Coalition
- Capacity Building: Surveillance and Data Collection

Diné College

- Roughly 2000 contact hours
- Distance Education and F 2 F
- Environmental Spatial Analysis
- Undergraduate PH students
- MOU articulation from AA to BSPH in Health Geoinformatics
- Visiting Professor from Diné at LLU

Enhanced Surveillance through use of Technology



GIS Software



Model 19 Micro R Meter



Research Interns

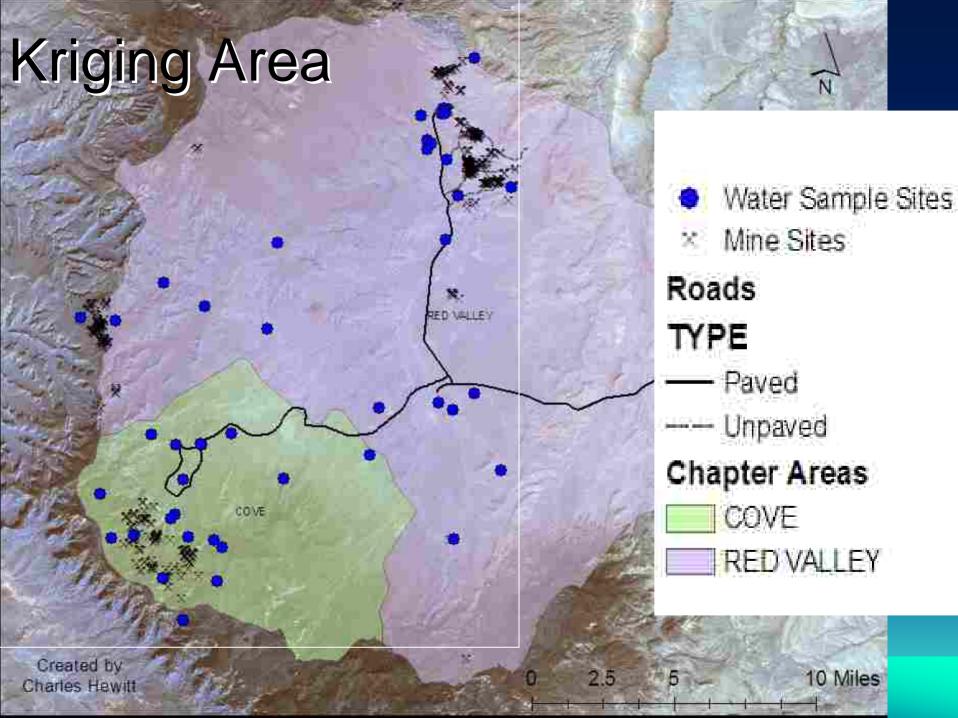


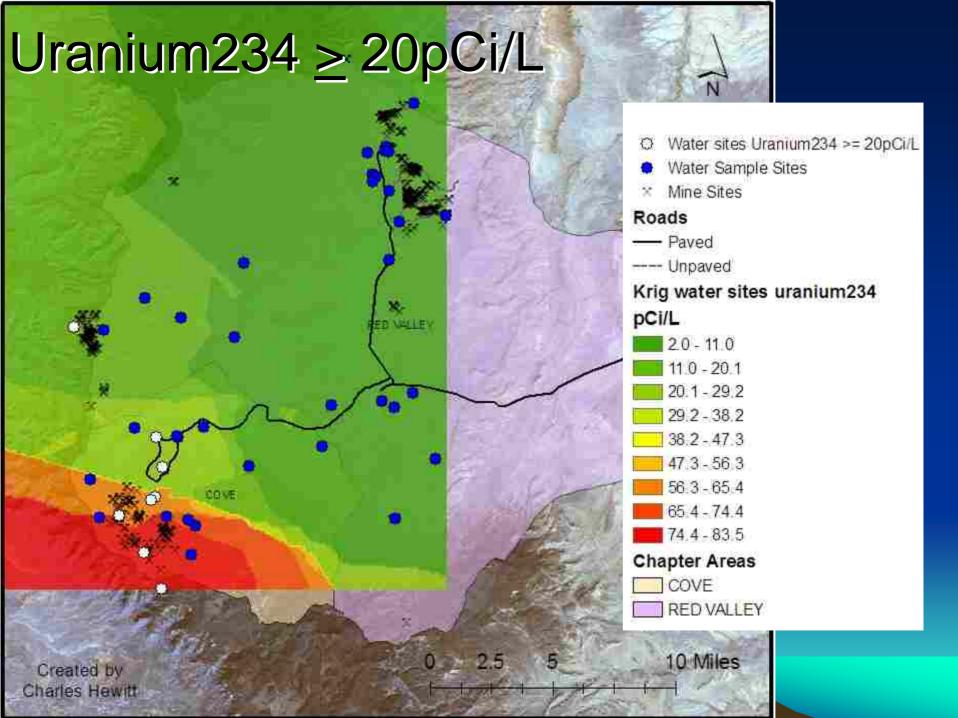
Trimble TSC 1 Unit

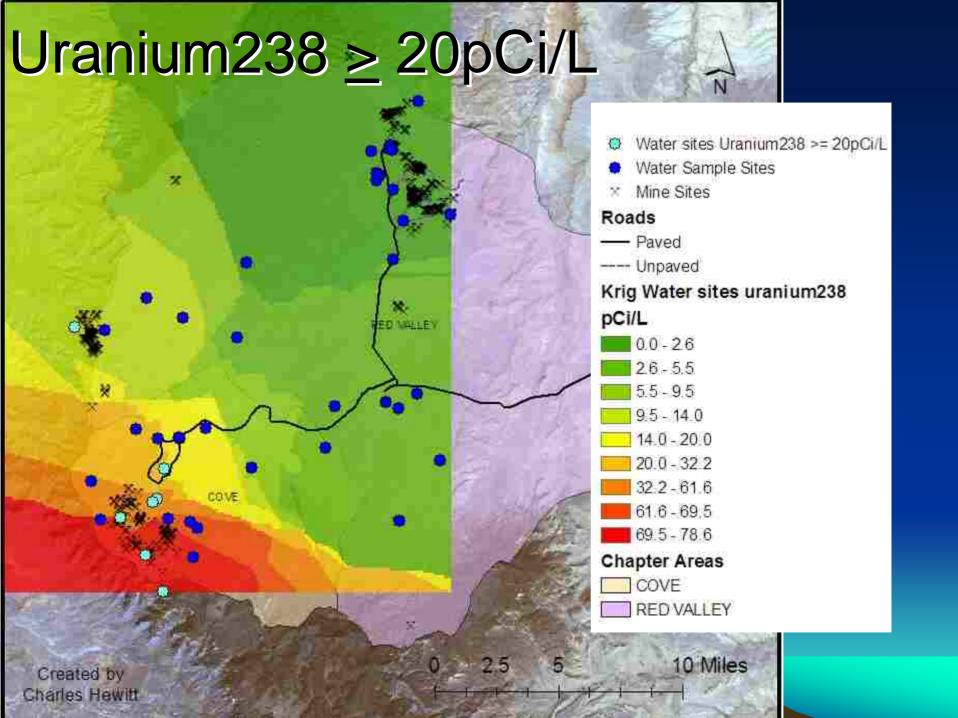
Photos by Veronica Francisco-Lapahie

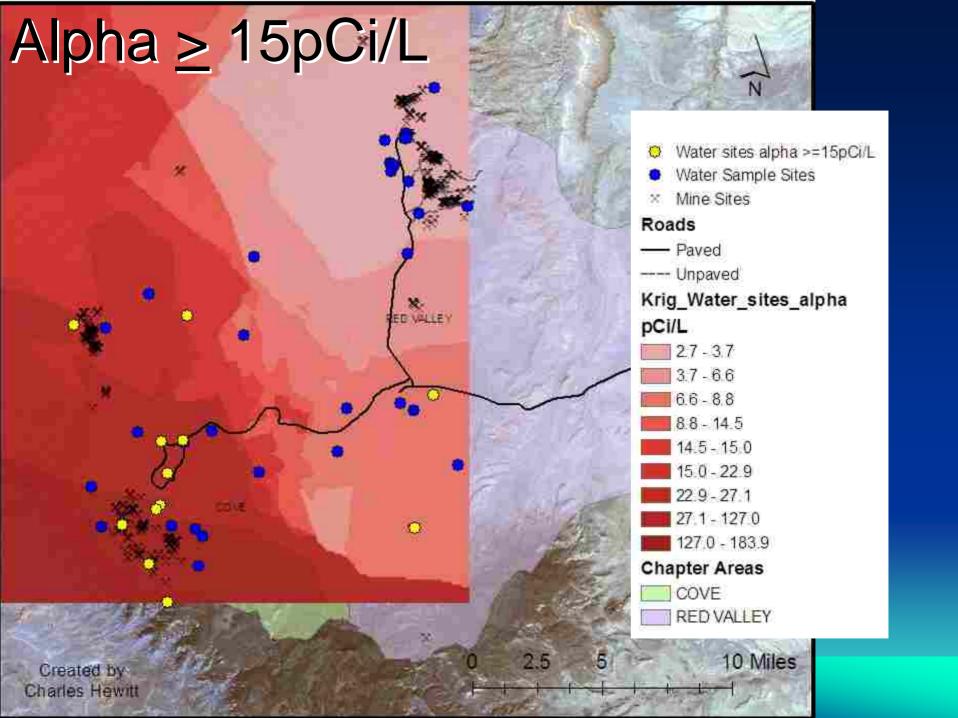
Spatial Analytic techniques

- Use of ArcMap software
- Interpolation of the various water sample sites
- Spatial Interpolation method Kriging









Other Native American Surveillance Training Programs

- GIS mapping of areas of at risk of Eutrophication in Lake Havasu (Chemehuevi Indian Tribe)
 GIS mapping of areas impacted by illegal landfills in Coachella Valley (Torres Martinez Indian Reservation)
- Intensive customized multi-day training sessions in N.A. Casinos and on campus (Pala Tribe)
- Grant and Proposal Writing (NAEPC)

Sample Products

- 3 Peer Refereed Publications
- California EH Services Delivery Report
- New Mexico EH Services Delivery Report (in preparation)
- Food Handlers DVD in English and Spanish
- Technical Support for Healthy Homes program in Riverside County
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