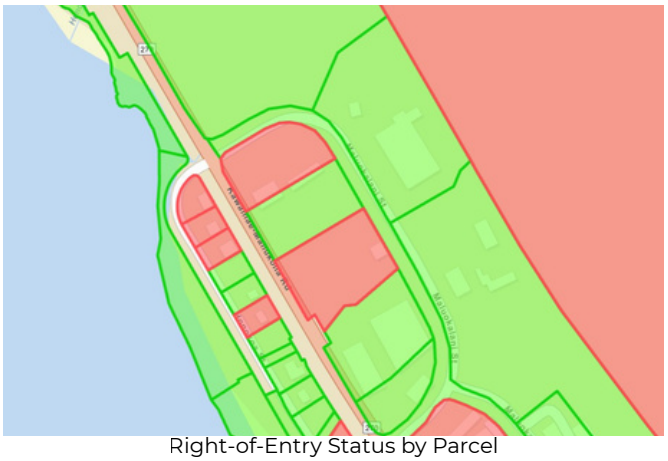


Umyuaq
CONSULTING GROUP, LLC

Geographic Information Systems - Right-of-Entry Management System

Background

Umyuaq Consulting Group, LLC (UCG), a premier geospatial data firm specializing in data management and analysis for government clients, is continuing a multi-year project focused on the development and implementation of a right-of-entry (ROE) management system to assist the U.S. Army Corps of Engineers, Honolulu District with remediation of the Formerly Used Defense Site (FUDS) Former Waikoloa Maneuver Area property.



Right-of-Entry Status by Parcel

Problem

Landowner engagement to obtain ROE is complex and often decentralized, requiring meticulous documentation of communication, consistent generation of ROE materials, and strict adherence to government regulations. Program managers need clear visibility into the ROE status per parcel – ROE granted, ROE denied, or no response – and auditable records of each action taken, while coordinating field operations and stakeholder outreach. Historically, project managers relied on spreadsheets and other generic software to document the ROE process. UCG aimed to address this management challenge by creating a centralized solution that would allow the client to fully execute and track the ROE efforts within one secure interface.

Highlights

- Client: U.S. Army Corps of Engineers, Honolulu District
- Duration: 2020-Present
- Results:
  - CMMC Level 2 compliant
  - Structured ROE process and status monitoring
  - Delivery and response tracking
  - Secure document management
  - Interactive map viewer

Contact Us

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Solution

UCG designed the ROE Management Database and Map Viewer to align with the iterative ROE request process, emphasizing repeatable steps, documentation, and compliance throughout outreach cycles.

Key steps included:

- Database Development – Established a unified parcel schema aligned with government requirements for ROE tracking and reporting.
- Parcel Activity Logging – Developed tools for recording communications with landowners and associated each communication with the relevant parcel.
- Materials Management – Created, stored, and versioned outreach materials and ROE permits for consistent use across ROE cycles.
- Delivery and Timeline Tracking – Monitored letter delivery status and measured intervals between notifications in accordance with government regulations.
- Status Monitoring – Updated parcel ROE status and visualized granted, denied, and no response outcomes in the map viewer.
- Mapping and Field Support – Generated custom parcel maps for field locational reference and inclusion within correspondence, improving site awareness.

Results

The ROE Management Database and Map Viewer enable project teams to streamline the ROE request process, maintain comprehensive records, and produce consistent reporting artifacts across outreach cycles. Project managers receive an at-a-glance status across all parcels, with drill-down access to parcel details, activities, and mailing events, as well as tools for upward reporting. UCG's community relations and GIS teams supplement the technology with in-house printing and mailing of ROE letters and supporting documents, on-site meetings and stakeholder outreach, and the development of fact sheets and posters tailored to FUDS projects and planned ROE requests.

Relevant Info

- UEI: WJRWCEKVMGV6
- DUNS Number: 080230366
- Cage Code: 7LV09
- NAICS Codes:
  - 541620 (Primary)
  - 541330
  - 541360
  - 541370
  - 541661
  - 541820
  - 562910

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