



US Army Corps
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eGIS Workshop

Division: Pacific Ocean

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6/10/08

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POD Success Story POH eGIS Web Portal

- POH eGIS Web Portal
- What contributed to its success?
 - Conversion to enterprise architecture, geodatabase implementation, and standardization of data
 - Mapping viewers for each island through ArcIMS
 - Commonly used maps accessed through file based structure
 - Standard scopes of work
 - Education and advertisement

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Technical Integration Group

Honolulu District's Geospatial Center of Expertise

"GIS @Rocky!"

Products & Services

Online Mapping

Metadata Browser

ProjectWise

Document Library

About Us

Links

Contact Information
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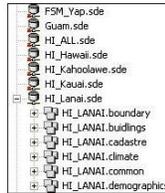
E KOMO MAI!

Aloha! Welcome to the Technical Integration Group's (TIG) Intranet web site! For the first time ever, the District's geospatial data holdings are available at your fingertips. Whether you want to find an old hardcopy map, make a new map online, or check to see if your study area has data, you have come to the right place. Please explore the menus and options to the left to learn more. In these menus and options, you will find information about what the District is doing with GIS and CADD, what the story is on eGIS, project maps and metadata, and much more. At anytime while you are exploring the site, please feel free to e-mail TIG with any comments or concerns you may have. Mahalo nui loa!

NEWS & EVENTS

eGIS DATA HAS MOVED TO A NEW LOCATION

The Technical Integration Group (TIG) has completed its first wave of data loading into the District's new eGIS system. As a result, the District's enterprise GIS data that use to reside on the W drive (\\poh-fs-s02\gis\data) is no longer there. The W drive will now be used for LIDAR data storage, which will slowly be pushed out over the next several months. All of the District's enterprise GIS data can now be found by accessing our new Oracle database. [Instructions on how to access the new system can be found by clicking here.](#)



eGIS IMAGERY EXPANDING

The amount of available satellite imagery and aerial photography in POH's eGIS database is continuously growing. The District has recently

Online Mapping



Online Mapping allows you to view, analyze, and explore the Honolulu District's geospatial data holdings. No GIS software is needed. Use the online mapping tools to print your own project map, perform analysis, or see what data is available in your study area.

Metadata Browser - Coming Soon



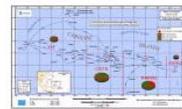
Use the Metadata Browser to search all of the District's GIS and remote sensing files to find exactly what geospatial data you are looking for. Whether you desire to search by geographic extent or keyword, the Metadata Browser is here to help.

GPS Services



Did you know the District uses Global Positioning System (GPS) receivers to regularly collect data? Learn more about what GPS tools the District has, how to borrow them, and what surveying accuracy the District is capable of achieving.

Hardcopy Maps



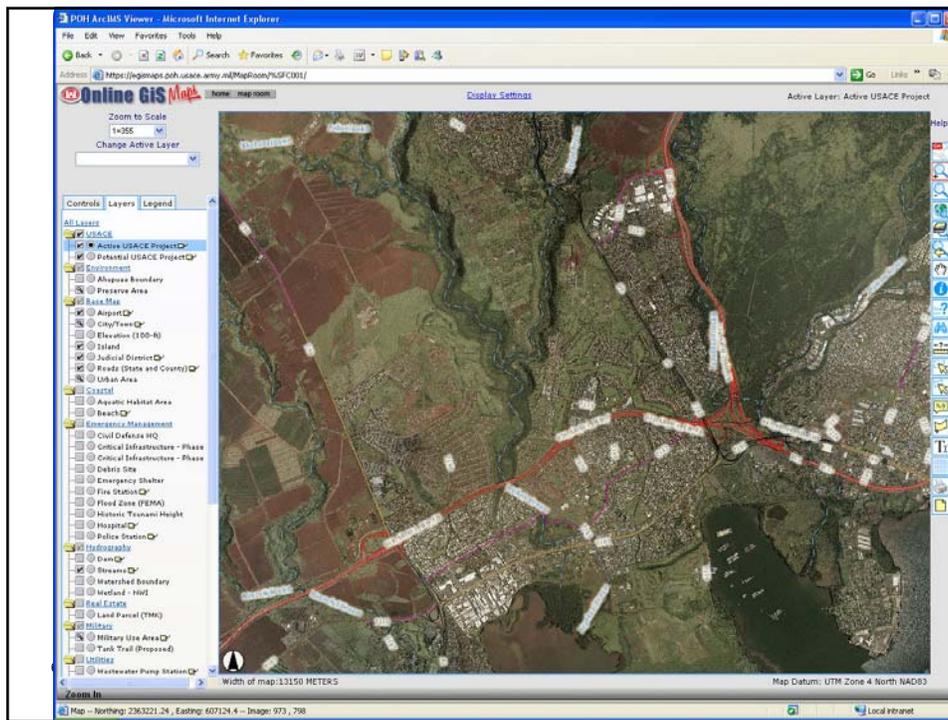
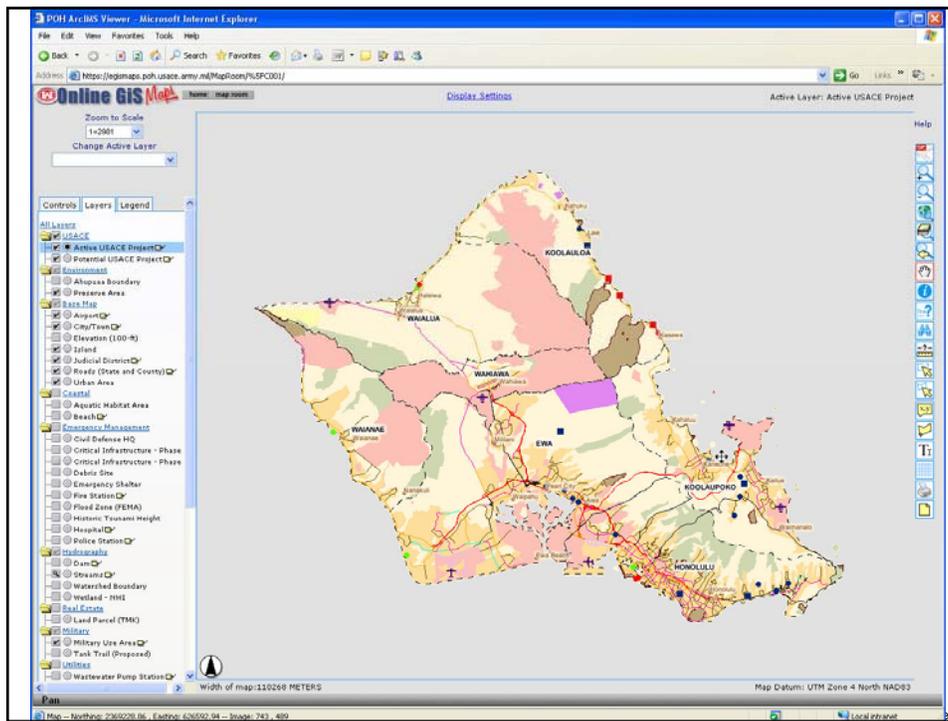
Do you need a hardcopy map? You've come to the right place. In this section, you will find a plethora of hardcopy maps produced by TIG. These maps can be used in PowerPoint presentations, out in the field to orient yourself, and/or project analysis.

CADD - ProjectWise

ProjectWise is an integrated

Scope of Work Reviews & Examples

Did you know that TIG





Document Library

[POH Home](#) > [TIG Home](#) > Document Library

[Home](#) & [Services](#)

[Online Mapping](#)

[Metadata Browser](#)

[ProjectWise](#) [About Us](#) [Links](#)

TIG's Document Library

TIG's document library is an online geospatial assistance platform for employees of the Honolulu District. It has been created to provide immediate access to geospatial items and topics that sometimes can be a bit challenging or intimidating. Included in the document library are items such as tutorials, eGIS standards and requirements, briefings, and answers to frequently asked GIS/GPS/CADD questions. The document library is a place where you can go to get a quick answer to a GIS question that might be troubling you, the latest GIS briefing that occurred at a conference, or more information on exactly what is required in the Spatial Data Standards for Facilities, Infrastructure, & Environment (SDSFIE). To learn more about the document library's contents, simply click on one of the links below.

Datums & Projections

Datums and projections have been at the forefront of U.S. Army Corps of Engineers' discussions since the aftermath of Hurricane Katrina. The attention to how they are applied and how often they are updated is always on the minds of TIG staff. We encourage you to explore this section to learn more about Datums & Projections in the Pacific. Furthermore, this section shows active progress on the District's Comprehensive Evaluation of Project Datums (CEPD), suggested

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eGIS Standards & Requirements

In this section, you will find information on eGIS standards and requirements. Some of the information that is available is simple explanations on how/why the standards were put into place, what the standards are, as well as how they apply to different aspects of the Honolulu District. After browsing through this section, hopefully you will feel more comfortable and knowledgeable about what the Corps of Engineers is doing in regards to eGIS.

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POD SUCCESS STORY Alaska Baseline Erosion



Evaluate shoreline erosion at 111 sites in Alaska.

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Alaska Baseline Erosion

Methods:

- Digitize historical shorelines
- Use GIS tools (ArcView, ortho-photography, geodatabases) to create project geodatabase
- Post on website for public access, input and value

Contributions to Success:

- Civil Works Program in partnership with the State of Alaska
- Available state and local data resources
- File structure consistency

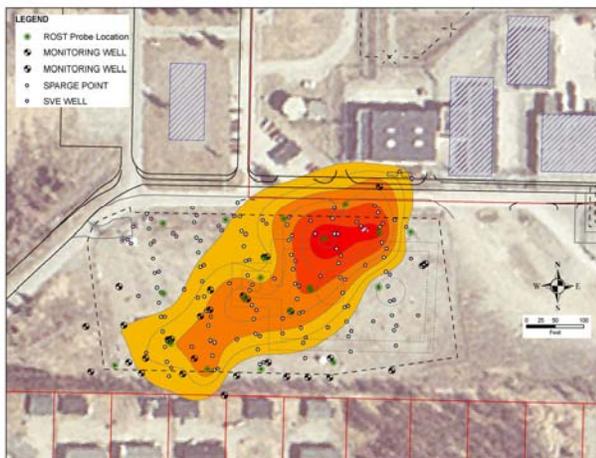
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POD SUCCESS STORY FUDS Site Characterization



Characterize
petroleum
contamination at
Wildwood AFS
FUDS Site.

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FUDS Site Characterization

Methods:

- Transform local grid survey data and prior CADD to real world coord. system
- Georeference historical aerial photography
- Model contaminant plume using field data and Surfer
- Import parcel data from borough GIS portal to enable risk evaluation and stakeholder communication/involvement

Contributions to Success:

- Funding from FUDS program
- Appreciation by management for value of spatial data
- Availability of parcel data
- Teamwork across Branch and Division lines

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5 Biggest Challenges

- Convincing ACE-IT to treat each District's eGIS system the same way (Ex. POH cannot enable its metadata browser because of CAC enablement)
- Interoperability between CADD data stored in ProjectWise and GIS data and imagery stored in ArcSDE
- Changing culture on geospatial data practices
 - Thinking beyond project/phase
 - Archiving data
 - Scopes of work and deliverable reviews
- Convincing programs to put their data into geospatial context
- Corrective actions for vertical datums

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Obstacles to Overcome

- Building the right size staff to allow more focus on eGIS
- Educating the District
- Educating the A-E's and consultants
- Educating management on GIS value to enable ready project funding and integration

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3 Years

- Adequate geospatial staff to address eGIS, projects, new initiatives
- Integration of geospatial data across all programs
- Geospatial capability within each office
- Searchable repository of previous CAD/GIS projects and data
- RE base land holdings and transaction database
- POD internet web presence to communicate with customers
- Full interoperability of GIS and CADD (AutoCAD/Microstation)

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eGIS in 2011

- New projects/phases run through geospatial group and footprint mapped
- Effective communication among PDTs regarding spatial data management
- Geospatial data processed directly into P2, RMS, ORM, REMIS
- Interconnectivity to GeoBase, GeoFidelis, GeoReadiness enterprise data and Army Garrison
- Interconnectivity with customer and other federal and state agency enterprise GIS programs
- Geospatially aware workforce and management

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