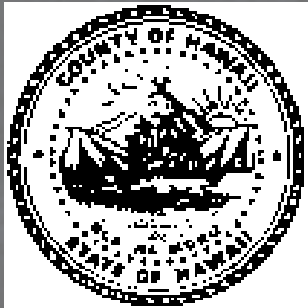


# COASTAL DATA EXCHANGE

## HAWAI'I COUNTY DFIRM REVISION



**CARTER ROMERO, CIVIL ENGINEER**

Hawai'i County Department of Public Works

Engineering Division

# Data Demand Discussion

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- My planning toolbox:





# My Planning Toolbox

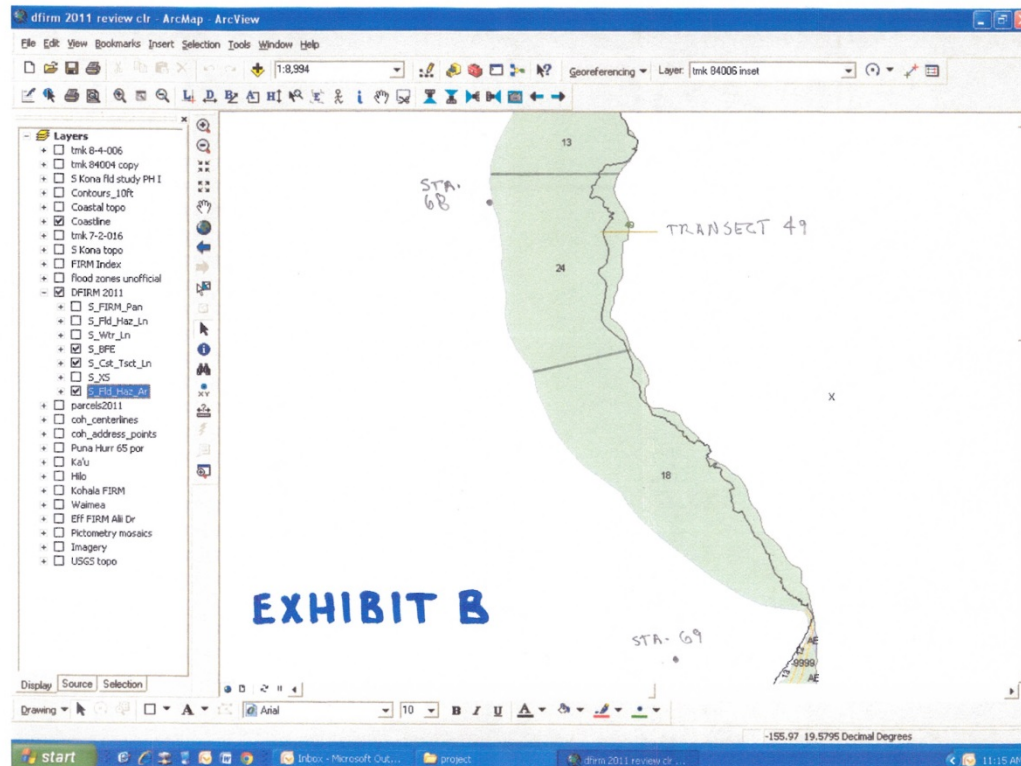
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- County Plans
- General Plans
- Conservation District Use Permits
- Setbacks
- Shoreline Certification
- Shoreline Permits
- Building Permits
- Special Area Management Permits
- Flood Zones -- Maps
- ArcGIS 10.2.1 for Desktop** ← *Today's Focus*



# Data Demand Discussion

- Why I use this planning tool?



CLR 11/19/12

# I use this planning tool to...

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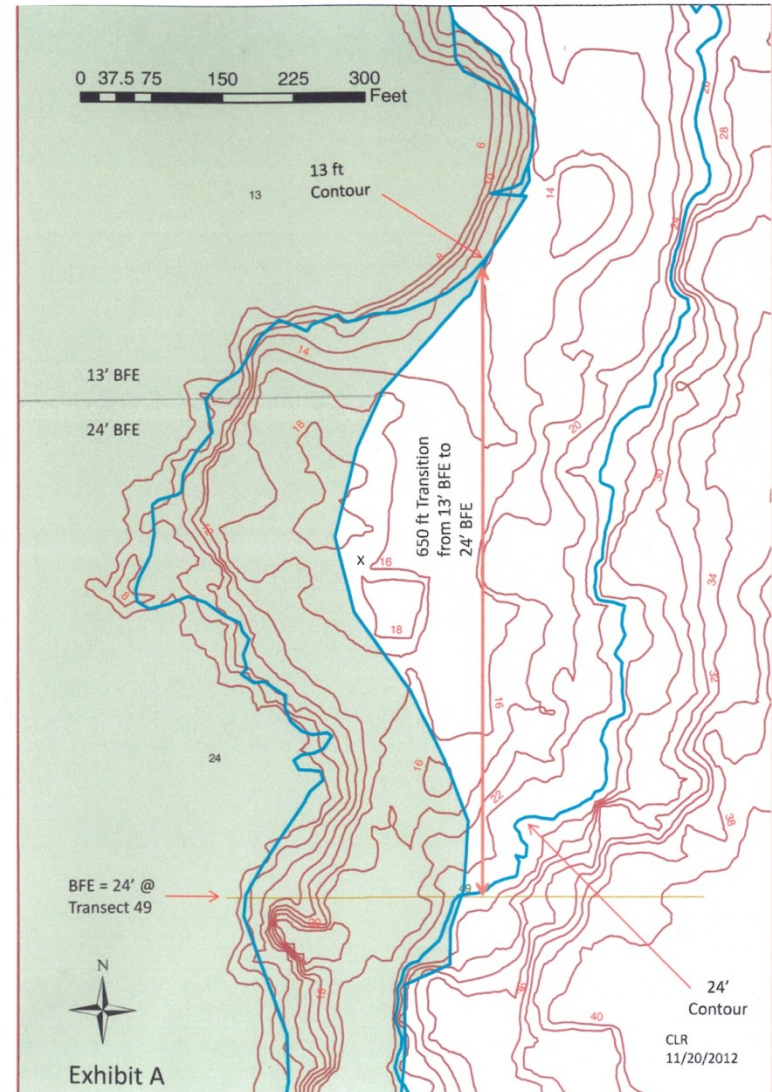
- Manage growth in a sustainable manner
- Coordinate decisions
- Regulate shoreline activities
- Provide direction for future decisions
- Administer regulations pertaining to statute/ code
- Protect public safety
- Protect the public trust





# Data Demand Discussion

- How I use this tool?

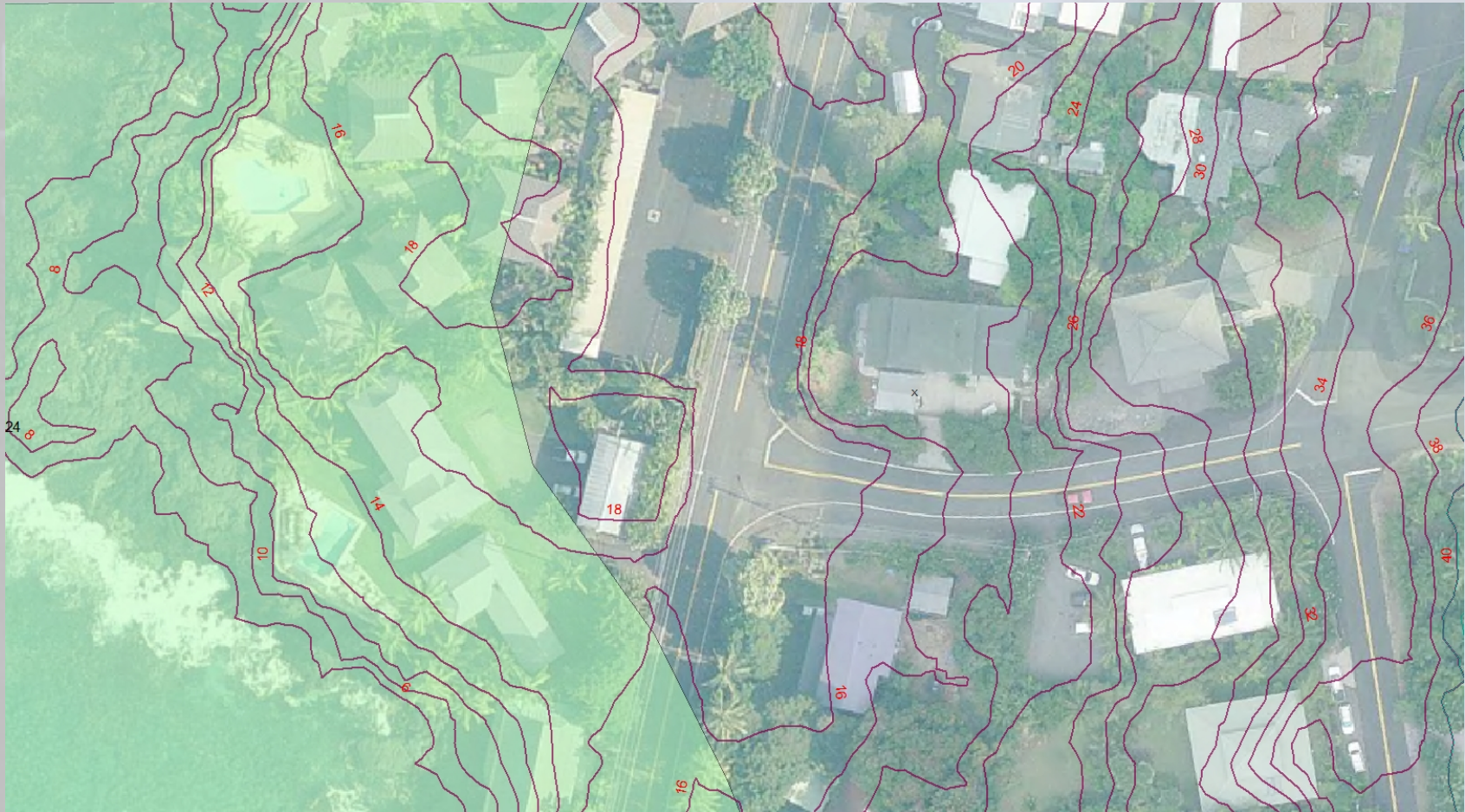




# Data Demand Discussion

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- Routines: How I use data; why I use data;





# Paper FIRM overlaying DFIRM





# Data Demand Discussion

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- I changed the status quo because....We represent FEMA



# Data Demand Discussion

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- Data am I using right now: LiDAR, satellite imagery, etc.





# USDA-NRCS georeferenced imagery

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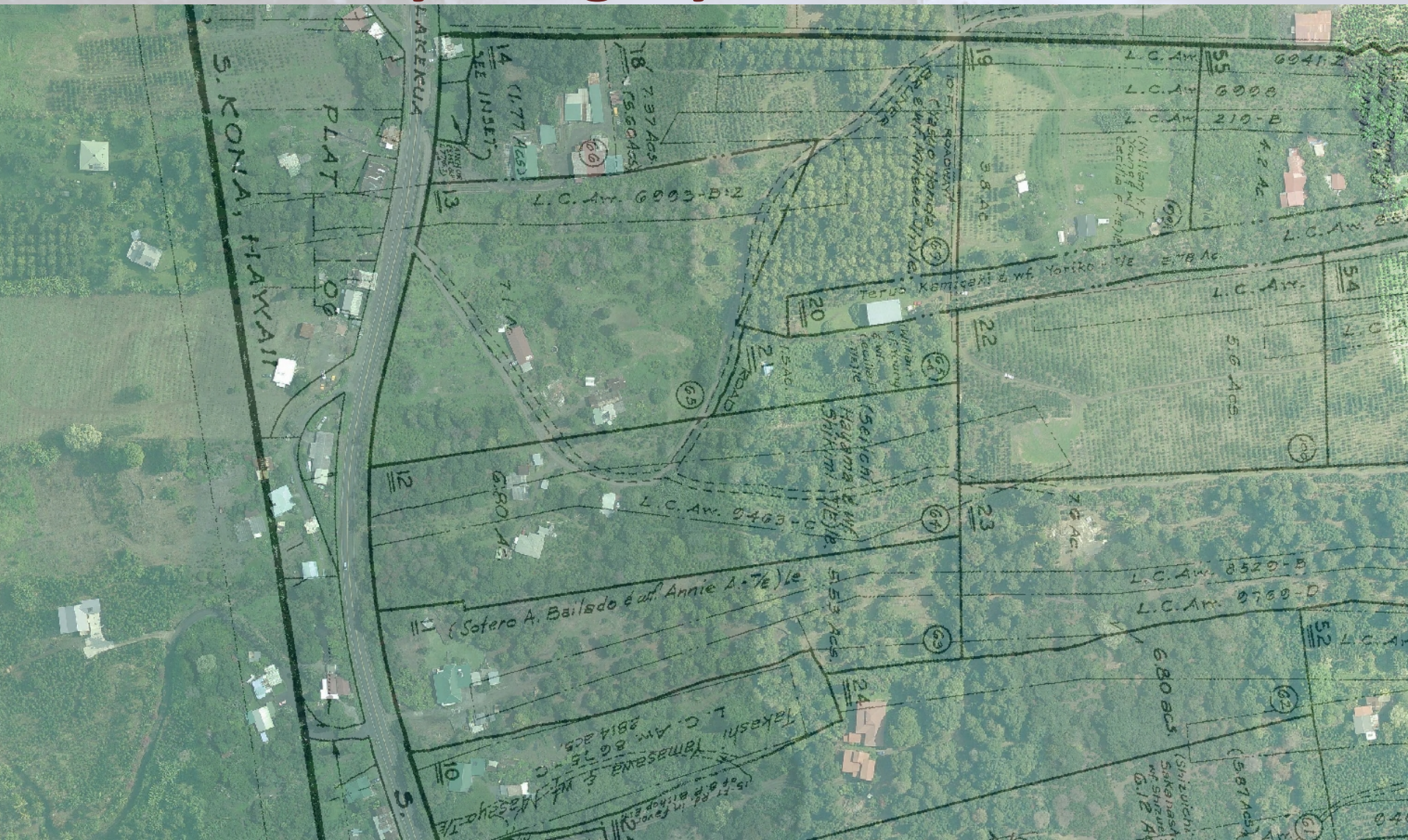
# Same shot in Pictometry imagery

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# Scanned tax map overlaying Pictometry imagery

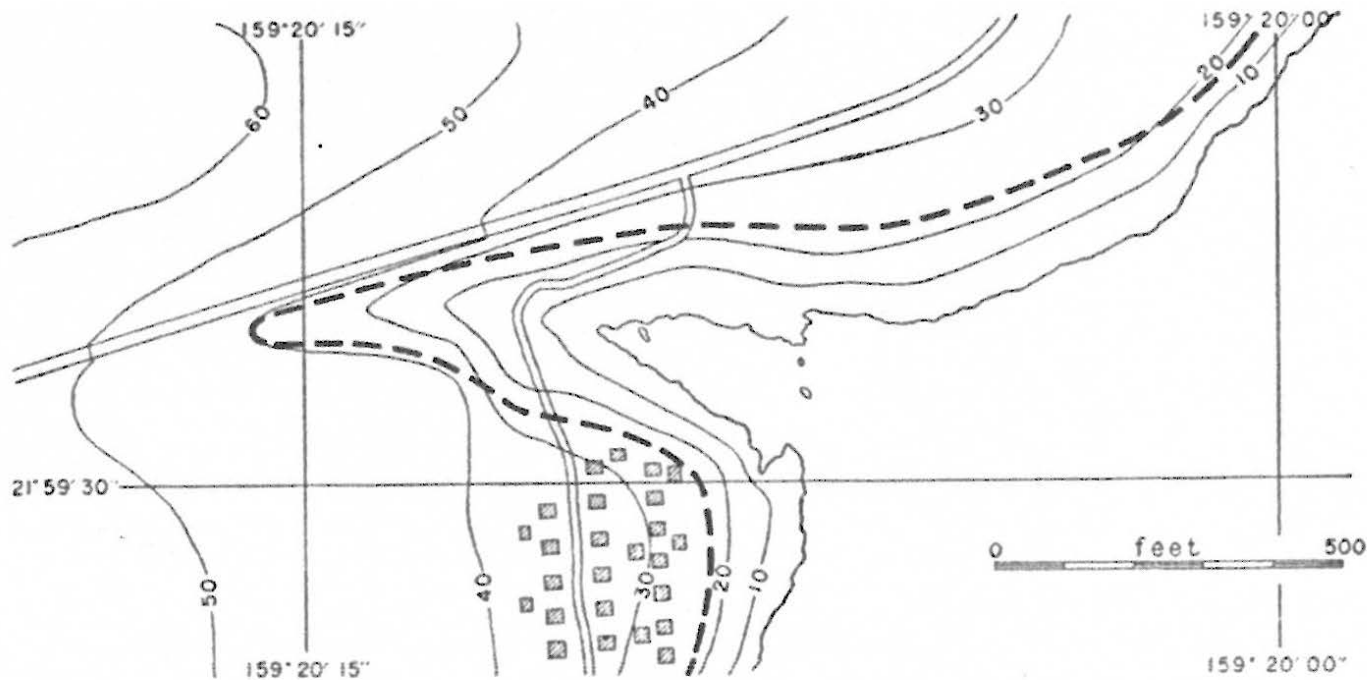




# Data Demand Discussion

- Data I wish I had: Historic tsunami runup maps

*Soapboxes welcomed. You have a unique perspective, thus are in a great position to offer up solutions*



**Fig. 8.** Map of the small inlet and valley just south of Ahukini, Kauai, showing the height reached by the water during the tsunami (indicated by the dashed line). Altitudes are in feet above lower low water.



# Data Demand Discussion

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- At the end of day I need data that are...georeferenced

*easily accessible, easily understood, easily translated to report*



# Data Demand Discussion

- What I would like the world to look like in 10 years

