

COASTAL DATA EXCHANGE

SEAWALL DATA COLLECTION ON OAHU



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Seawall Basics

- What are Erosion Protection Structures
 - Embankments (Revetment)
 - Sandbags
 - Rip Rap (Rubble)
 - Hardened, e.g. CRM vertical seawall
- 4 types
 - Permitted
 - Non-conforming – Built before June 22, 1970
 - Illegal
 - Undetermined
- Permits require field visit
 - Verify dimensions



What initiates a Shoreline Investigation

- Building permit applications
 - If Located within the 40 ft shoreline setback
 - requires shoreline setback variance
 - Or a Minor Shoreline Structure permit
 - Certified Shoreline Survey by DLNR
 - Between 40 and the 55 ft waiver line
 - Requires Current Shoreline Survey by DLNR
 - Located beyond 55 ft Shoreline requirements not applicable
 - Exception – Substandard Lot Size and New Subdivisions
- Complaints
 - Most common
- Regular periodic shoreline review
 - New Photos



How are Investigations performed

- Usually complaints about work being performed.
- If restricted access, then gain access from owner or representative
- Then research historical data, shoreline database of photos.
- Collect more photos and file into database.
- Determine if permitted or actions are required.

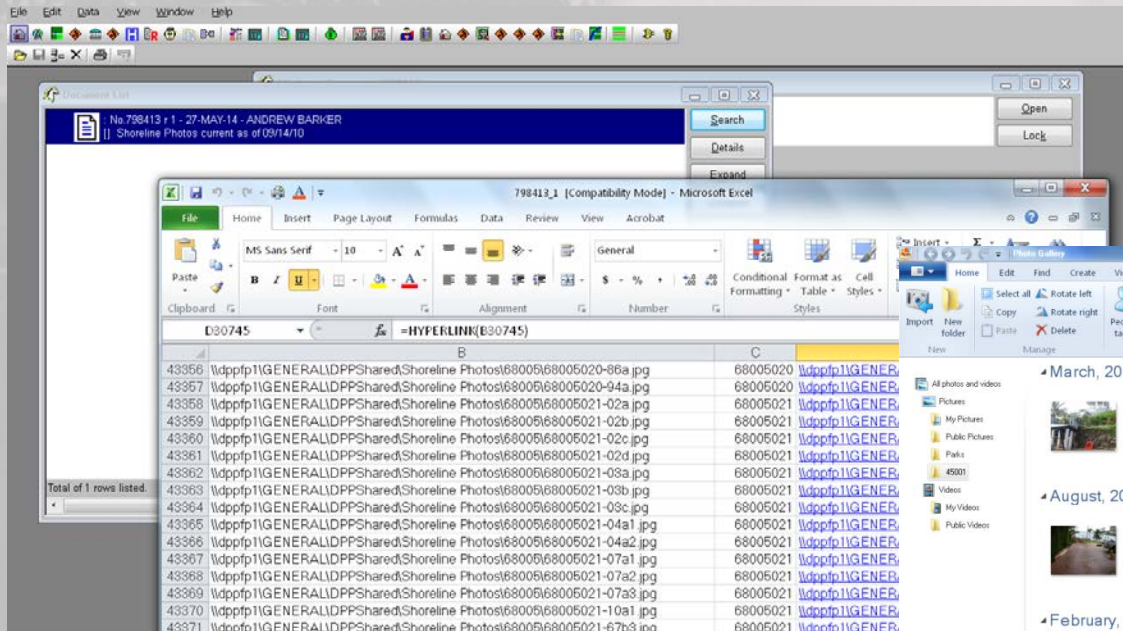


Data Collected and Resources

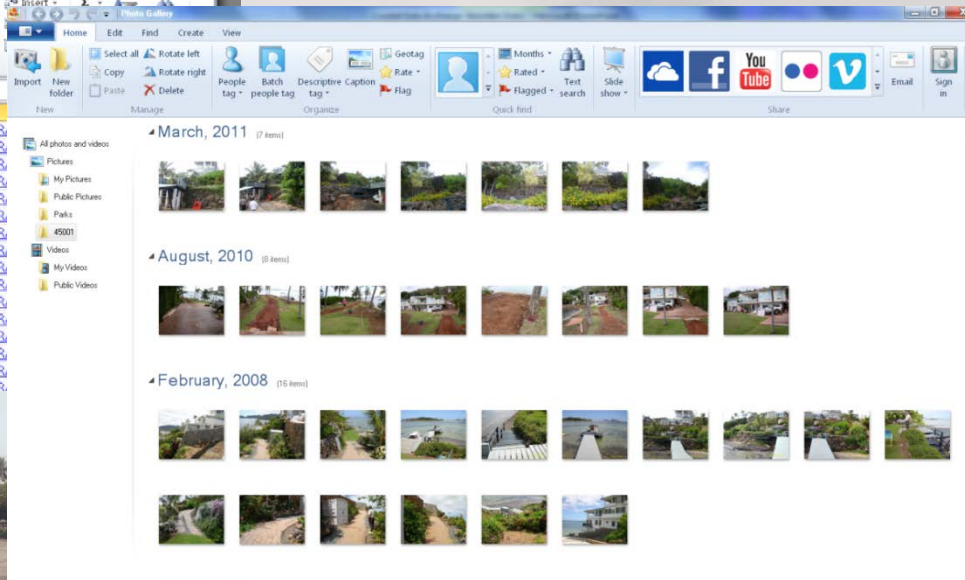
- Shoreline Photo Database
 - Linked to POSSE by TMK
 - New photos being added regularly
- Mosaics
 - Panoramas
 - Mostly shore view some aerials
 - Scanned
- Historical Aerial Photos
- Shoreline Investigation (SI) files
 - Shoreline Survey



Photo Inventory – Access via POSSE permitting system



Linked Photo Libraries via POSSE



Scanned Panaorama's
and Mosaics



Multiple Time Frame Photos



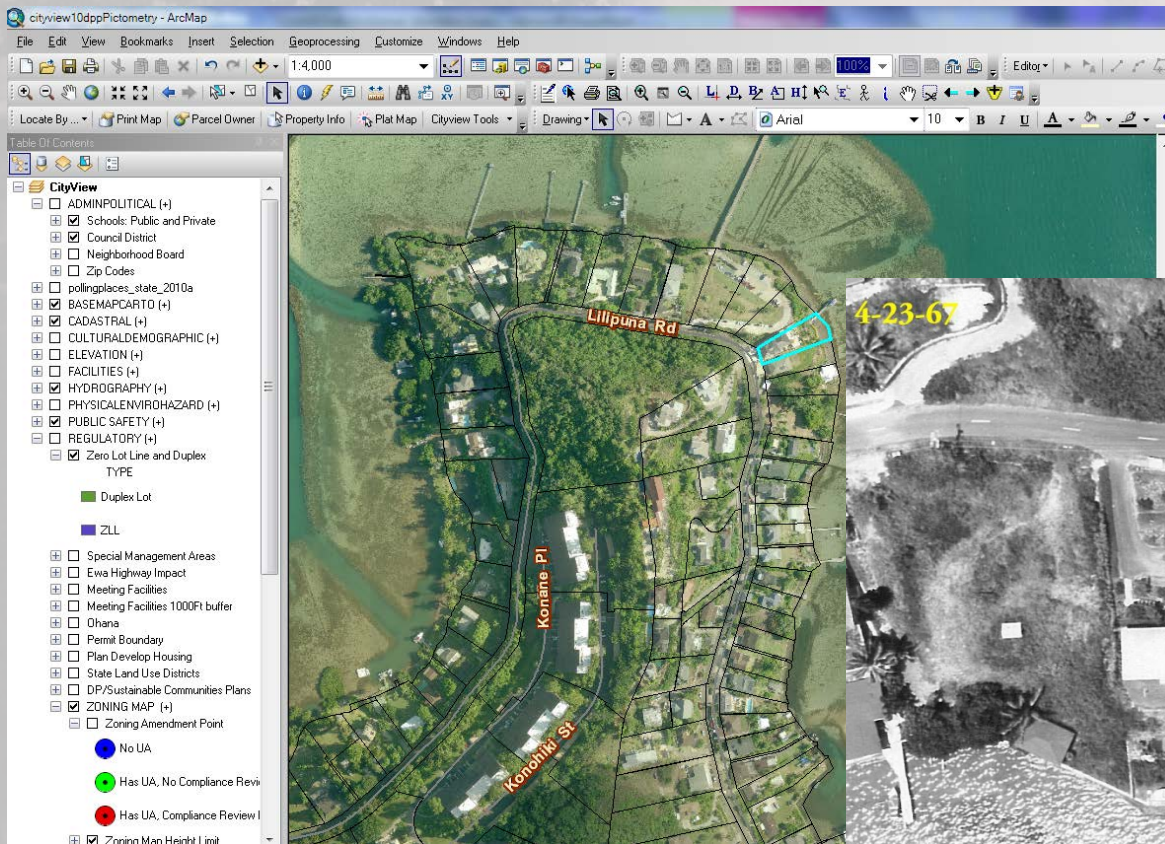
Historical Photos from Kayak

Shoreline Construction Assessments



Historical Aerial Comparisons

Mapping of locations by TMK



Comparison to prior years



Data Access

- Information is public record
- Notices of Violations can be researched on-line.
- Photo and SI files can be researched via appointment
- Some restrictions based on investigation status
- Pursuing wider web based access to information



MAHALO ! ! !

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