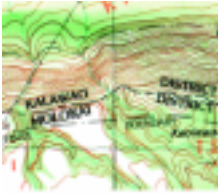


## CHAPTER 7: GOVERNMENTAL UNITS



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### **Theme Description:**

For the purposes of this chapter, Government Units include any boundaries, jurisdictions, taxation units or administrative areas that are created and/or defined by various Federal, State and County agencies. (see Table C)

### **Status:**

Several Government Unit and boundary layers already exist as digital files. Many of the boundaries were extracted from the U.S. Geological Survey 1:24,000 Digital Line Graphs. In some cases, these boundaries have been refined and updated by the responsible agency. One such case is the State Forest Reserves boundaries, which have been updated by the Department of Land and Natural Resources, Division of Forestry and Wildlife. In certain cases, these government units are or could be subsets of other existing data layers, and therefore, if not already done, could be extracted to create the desired layer. For example, Hawaiian Home Land boundaries were derived from the parcel layer.

**Table C**

Governmental Unit/Boundary	Source(s)	Metadata	Status	Availability	Where?	Remarks
State of Hawai'i	State		Exists	Free	<a href="#">State Web Site</a>	
Judicial Districts	State	Y	Exists	Free	State Web Site	
School Districts	State DOE	Y	Exists	Free	State Web Site	
State Lands	State DLNR	Y	Exists	Free	State Web Site	
State Land Use District Boundaries	State LUC	Y	Exists	Free	State Web Site	
State Forest Reserves	State DLNR	Y	Exists	Free	State Web Site	Part of Reserves Layer
State Parks	State DLNR	Y	Exists	Free	State Web Site	Part of Reserves Layer
State House Districts	State Office	Y	Exists	Free	State Web Site	

	of Elections					
State Senatorial Districts	State Office of Elections	Y	Exists	Free	State Web Site	
Congressional Districts	State Office of Elections	Y	Exists	Free	State Web Site	
Hawaiian Home Lands	State DHHL	Y	Exists	Free	State Web Site	
Special Management Areas	State CZM	Y	Exists	Free	State Web Site	
Hunting Areas	State DLNR	Y	Exists	Free	State Web Site	
Historic Land Divisions (Ahupuaa)	State DLNR	Y	Exists	Free	State Web Site	Oahu only
Fire Response Zones	State DLNR	Y	Exists	Free	State Web Site	
Enterprise Zones	State DBEDT	Y	Exists	Free	State Web Site	
Natural Area Reserves	State DLNR	Y	Exists	Free	State Web Site	Part of Reserves Layer
Marine Life Conservation Districts	State DLNR	Y	Exists	Free	State Web Site	Part of Reserves Layer
National Parks	DOI National Park Service	Y	Exists	Free	State Web Site	Part of Reserves Layer
National Wildlife Refuges	DOI FWS	Y	Exists	Free	State Web Site	Part of Reserves Layer
Development Plan Areas	Counties	Y	Exists	Free	State Web Site	
Conservation District Subzones	State DLNR	Y	Exists	Free	State Web Site	
ALISH	State DOA	Y	Exists	Free	State Web Site	
Hydrographic Units	DOI USGS	Y	Exists	Free	State Web Site	
Census Statistical Areas	DOC Census Bureau	Y	Exists	Free	State Web Site	
Fisheries Management Areas	State DLNR	Y	Exists	Free	State Web Site	
Watersheds	State CZM	Y	Exists	Free	State Web Site	
Wetlands	DOI FWS	Y	Exists	Free	State Web Site	

Parcels - Oahu	City and County of Honolulu	Y	Exists	Free	City Web Site	
Parcels - Maui	County of Maui	Y	Exists	Free	State Web Site	
Parcels - Other Islands	GDSI	Y	Exists	Licensed	GDSI	

**Data Sources:**

Federal, State and County agencies, particularly those responsible for administering these units, would be the first and authoritative source for checking and updating each of these data layers. For example, the National Park Service is the authority on National Park boundaries, the State Department of Land and Natural Resources is the authority on State Forest Reserves, the City and County of Honolulu is the authority on the Oahu parcels, etc. It is logical that these agencies would review and as appropriate, update the datasets that are currently being distributed. There are also certain private sources, such as the GDSI Neighbor Island parcel datasets that exist and are being used as a standard product (see CHAPTER 6: CADASTRAL).

**Standards:**

1:24,000 is a de-facto standard for scale. NAD 83 is another de-facto standard for datum, although many organizations are still making the transition from NAD 27/Old Hawaiian to NAD 83. UTM Zone 4 or 5 is used for 1:24000 mapping. The counties, however, tend to use State Plane.

**Priority:**

Complete a seamless parcel layer for entire state, and evaluate existing boundaries based on such a parcel layer. Government unit boundaries which are determined to be inaccurate should then be updated.

**Estimated total investment in this theme:**

\$1.5 million since 1990, not including parcels.

**Estimated current state and local contributions:**

TBA

**What is needed:**

There is a need for public agencies to acquire the parcel data layers that are not already public information. Since Maui and Hawai'i Counties have recently acquired the parcel

data for their respective jurisdictions, the Kauai County parcel data layer is the only such dataset that is still proprietary. It is a goal to acquire the rights to the Kauai dataset so that all of the parcel databases are public information.

**What is the likely source:**

The likely source for the Kauai parcel layer is the GDSI parcel data, which is the de-facto standard.

**Estimated total investment need to complete this theme:**

\$250,000

**Estimated current allocation of funding:**

\$50,000

**Estimated budget shortfall:**

\$200,000

**Possible ways to overcome this gap:**

State and Federal agencies should help the Counties acquire these datasets.

**Most appropriate data steward:**

The most appropriate data stewards are the appropriate Counties.

**Maintenance Process:**

The Counties should be responsible for maintaining the parcel layer.

**Estimated maintenance cost:**

Unknown

## CHAPTER 8: UTILITIES



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### **Theme Description:**

Utilities comprise a variety of different layers of infrastructure data managed primarily by local government agencies or private utility corporations. The following layers are identified as belonging in this chapter:

Water  
Wastewater  
Storm drains  
Telecommunications (telephone, fiber optic, cable, microwave, satellite)  
Electric  
Gas

### **Status:**

Much of the information for this chapter has not been received in time for this draft. Some information for Oahu has been acquired but nothing for the other counties.

A high percentage of both county and private utility data for Oahu is in digital form or is in the process of being converted to digital form. Updates are occurring on an ongoing basis.

### **Data Sources:**

Source documents come in a variety of forms: 1) as-built drawings, 2) inspector copies, 3) work order forms 4) State half-size drawings, 5) older features drafted onto the 200 scale counter books, 6) connection permit and work order maintenance forms, 7) features drafted onto GIS-produced base maps, and 8) CAD files.

### **Standards:**

For the local government utilities, priority has been placed on water and wastewater utilities with a high emphasis being placed on the updating of storm drains. Priorities for private utilities have not been received.