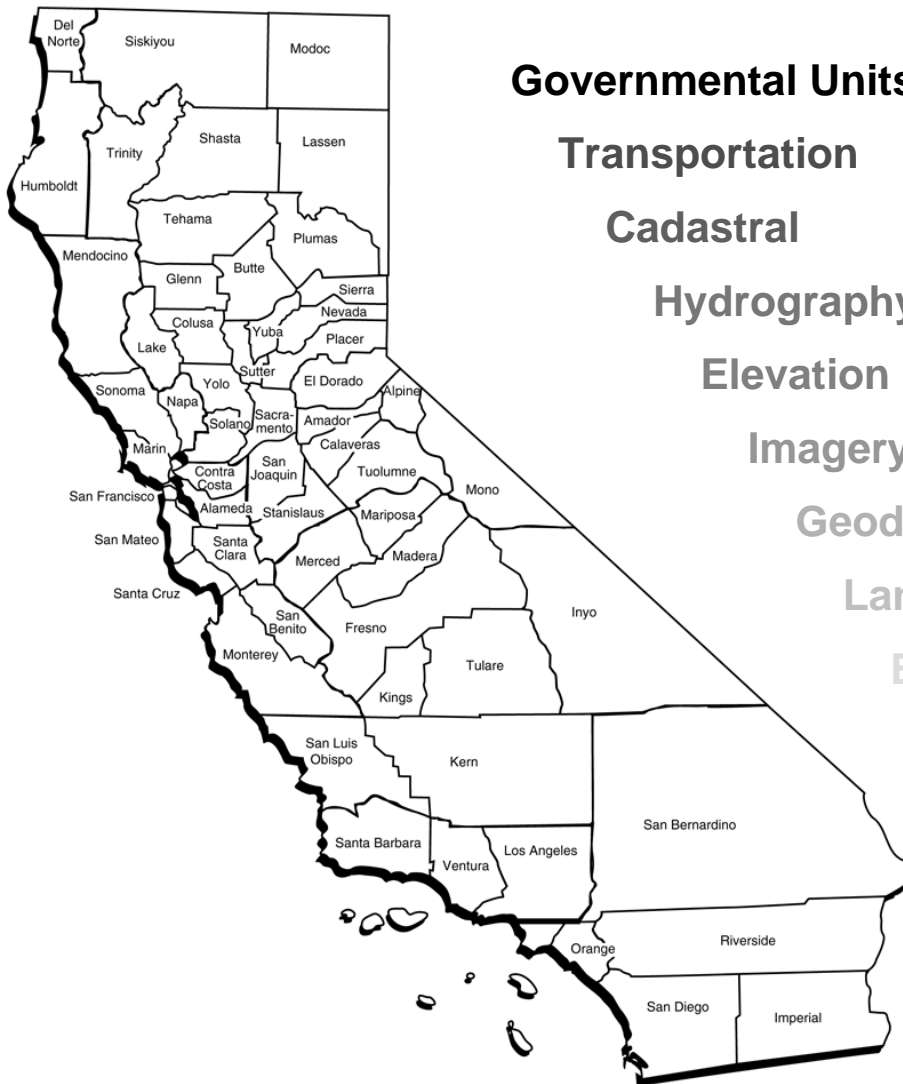


# WORKSHOP 2 SUMMARY

FOR

## CALIFORNIA GEOSPATIAL FRAMEWORK DRAFT DATA PLAN

June 2, 2006



**Governmental Units**

**Transportation**

**Cadastral**

**Hydrography**

**Elevation**

**Imagery**

Geodetic Control

Land Use/Land Cover

Environmental

Emergency Operations

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The second outreach workshop for the California Geospatial Framework Draft Data Plan was held on Wednesday, May 10, 2006 at USGS offices in Sacramento. The NSDI data themes were presented as potential California-centric themes and participants were asked to allocate their five selection votes among their top choices.

The majority of the twenty workshop participants who signed in came from state agencies. However, federal, local/regional, and private interests had some representation.

Based on participant voting (funding allocation), several data themes emerged as clear contenders as California-centric themes: Street Addressing, Flood Hazards, Vegetation, Utilities, Public Land Conveyance (patent) Records, Wetlands, and Geologic. Three themes overlapped with the choices from the first workshop: Street Addressing, Utilities and Vegetation.

See Figure 1 for the total votes for each potential California-centric theme for the second workshop. Figures 2 – 5 show the number of votes from local/regional, state, federal, and private interests, respectively. Figure 6 shows the number of votes for the framework data themes.

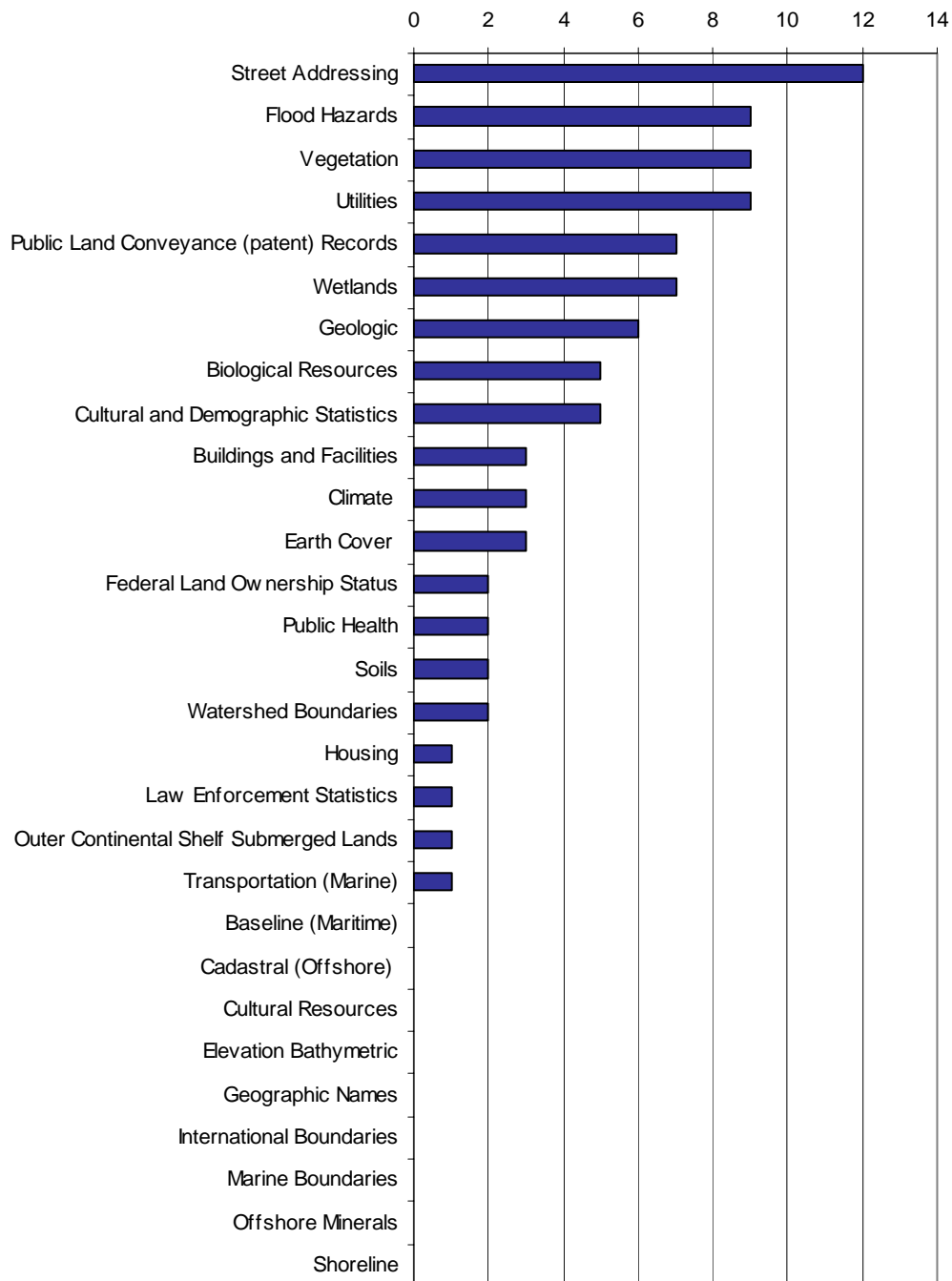


Figure 1. Total votes for California-centric themes

Data sources were identified for the following popular California-centric data themes during discussion:

1. Wetlands – National Wetlands Inventory
2. Public Land Conveyance Records – BLM Geocommunicator
3. Geologic – CGS and USGS

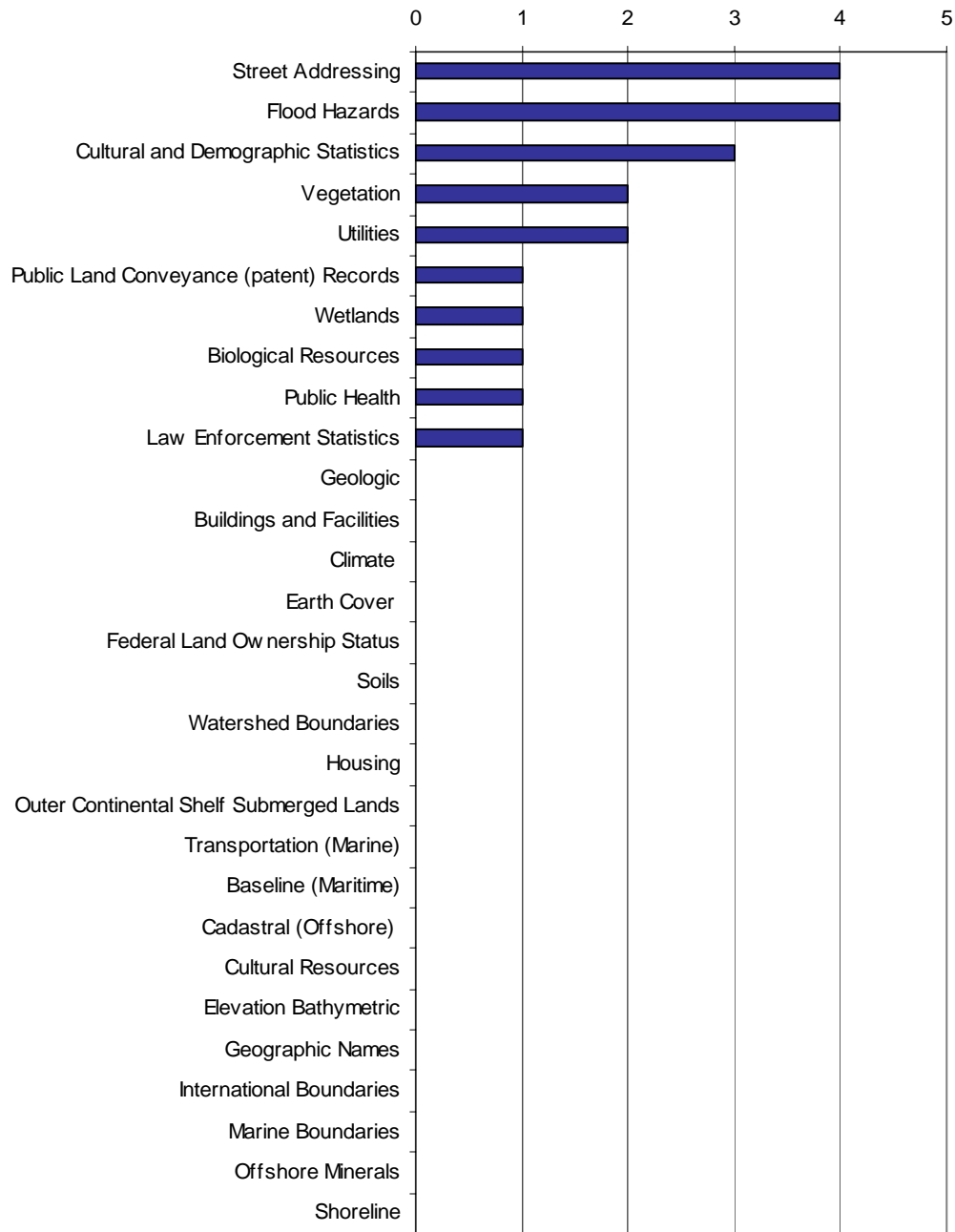


Figure 2. Local government votes for California-centric themes

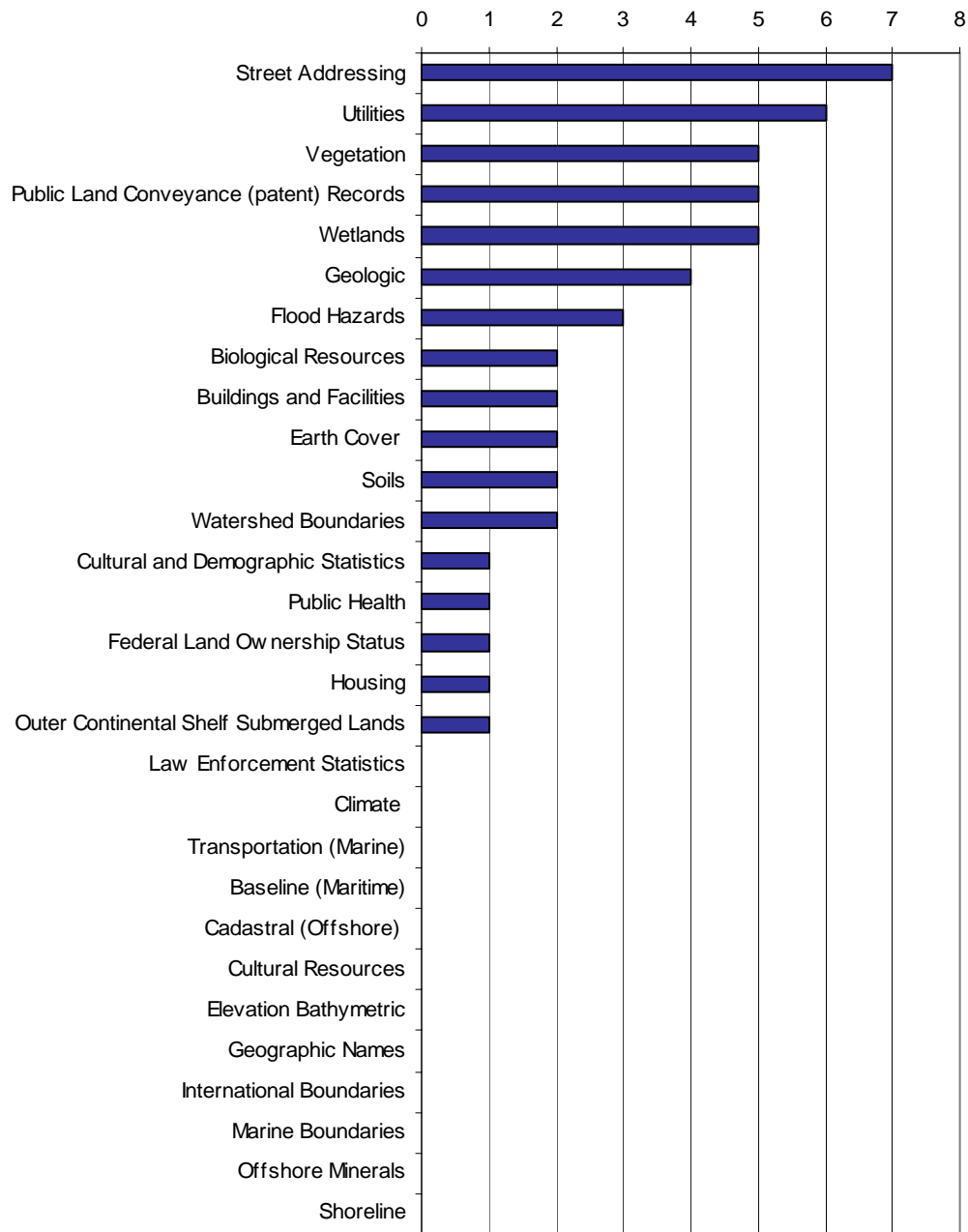


Figure 3. State government votes for California-centric themes

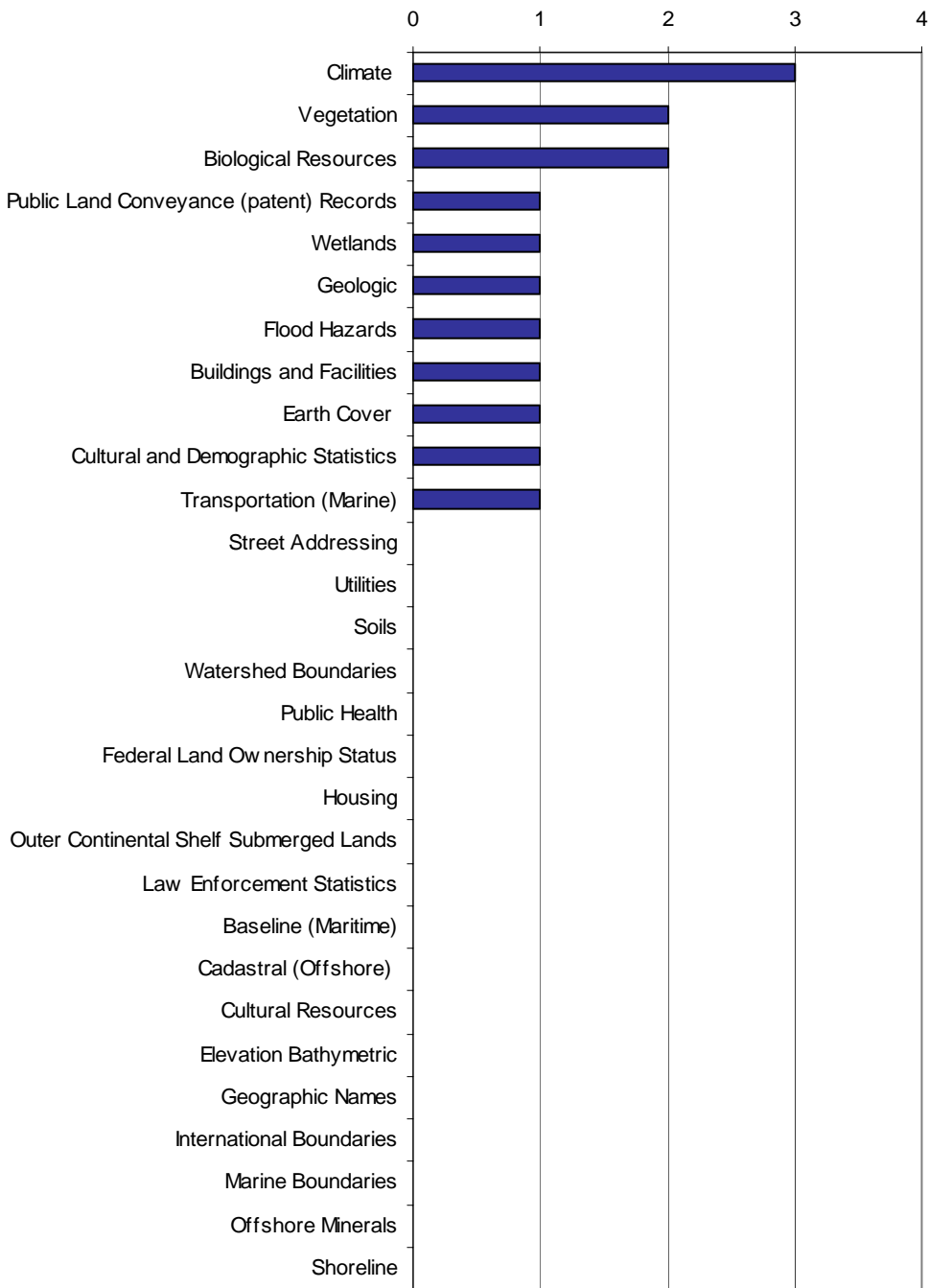


Figure 4. Federal government votes for California-centric themes

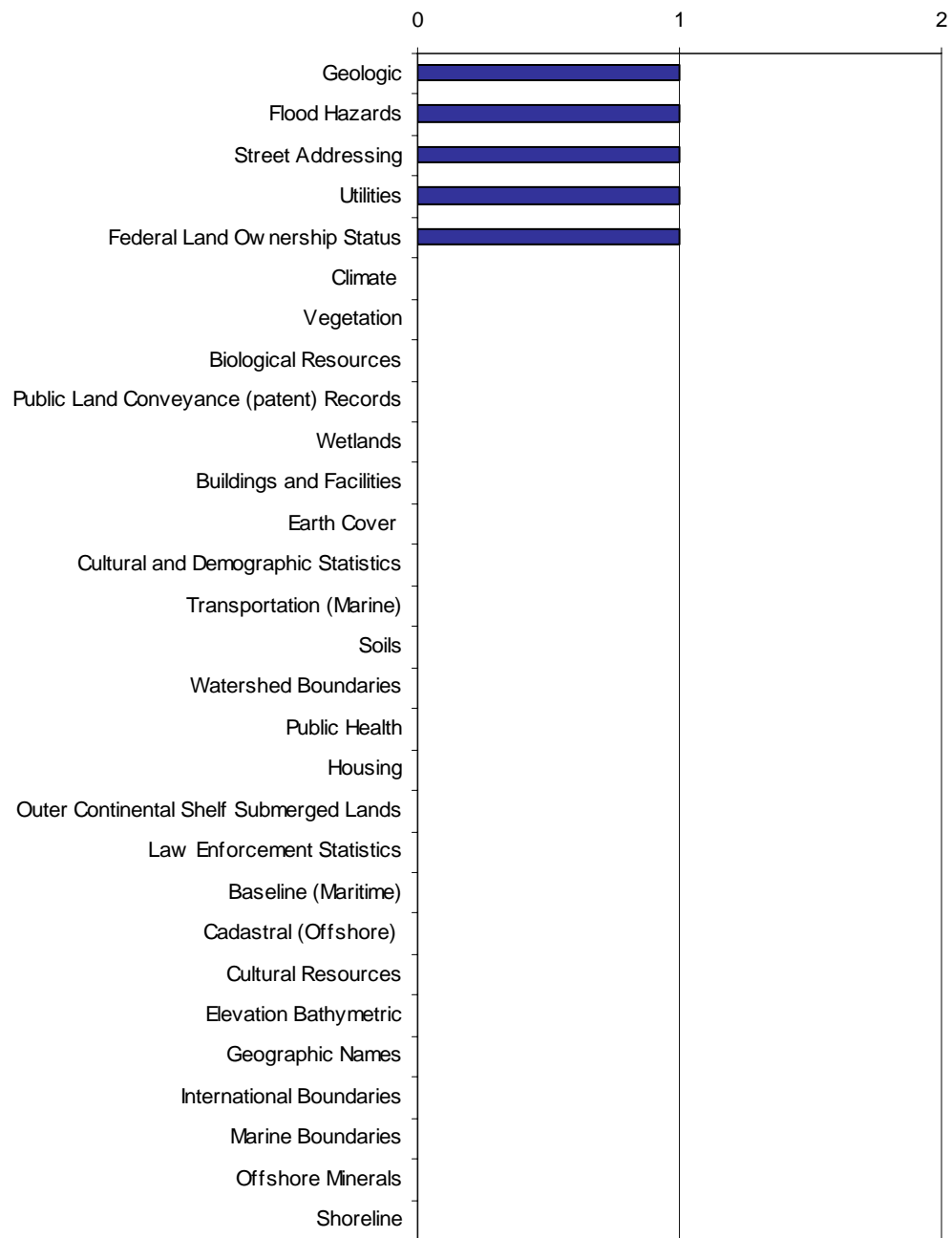


Figure 5. Private interest votes for California-centric themes

Participants were also asked to use one vote to prioritize the core data themes. The results are shown below:

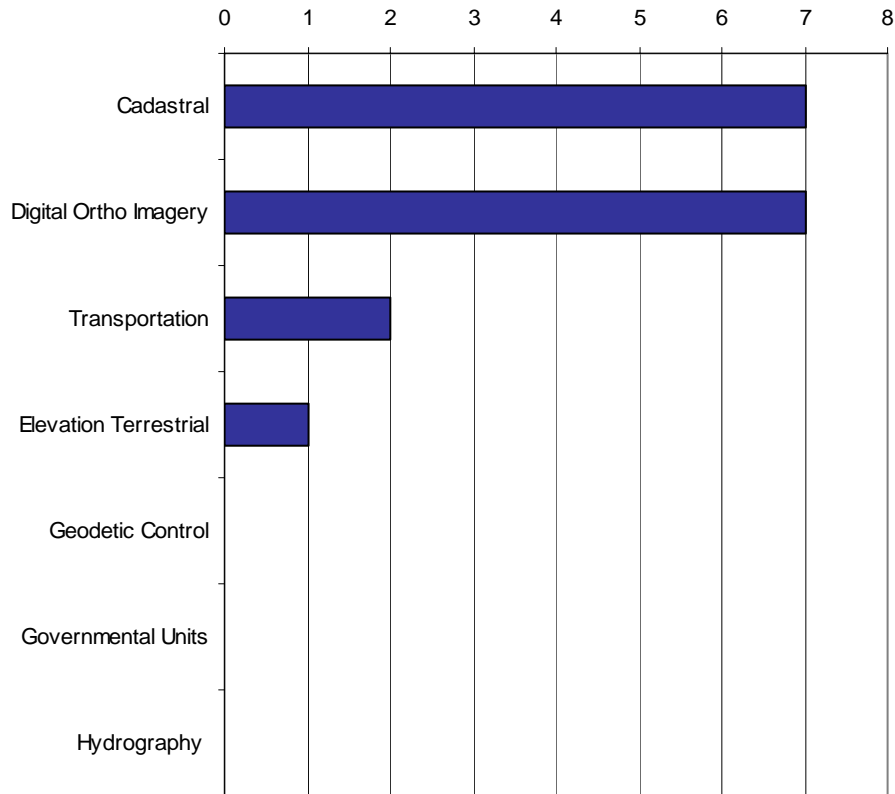


Figure 6. Total votes for core framework data themes

Notes from the second workshop follow. They have been captured into a generic Draft Data Plan template. Results and subsequent research will be consolidated into the Draft Data Plan. Data themes are sorted most votes to fewest. *Italic fonts indicate information that was collected through research based on input from workshop participants.*

Workshop participants, please send your comments, corrections, and additional information to: [CAGeoFrame@mbakercorp.com](mailto:CAGeoFrame@mbakercorp.com).



## CALIFORNIA-CENTRIC THEMES

<b>STREET ADDRESSING</b>	
<b>THEME DESCRIPTION</b>	The street addressing theme includes point data for the locations of all buildings as well as parcel addresses and address ranges on street center lines.
<b>THEME USES</b>	Describing locations accurately for Offices of Emergency Services, E-911, Reverse 911, dissemination of information, emergency preparation, rights of entry, notification, allocate social worker caseloads, permitting
<b>RELATIONSHIP TO OTHER DATA THEMES</b>	This data theme is frequently used with the transportation and imagery themes.
<b>SOURCE OF DATA</b>	US Census Bureau maintains TIGER line files, which are not good enough for emergency services. Local and regional governments maintain street center line files.
<b>STATUS</b>	<i>To be completed for Draft Data Plan.</i>
<b>STANDARDS</b>	<i>To be completed for Draft Data Plan.</i>
<b>PRIMARY DATA USERS &amp; STAKEHOLDERS</b>	<i>To be completed for Draft Data Plan.</i>
<b>POTENTIAL DATA HOSTS</b>	<i>To be completed for Draft Data Plan.</i>
<b>COMMENTS</b>	We need a liaison between local and state government to collect more accurate data. Many public agencies use third party data and they are obligated to remove accuracy to make it public domain. There is a balance between privacy and public access. Commercial data may always be better than would can be provided by public agencies.

<b>FLOOD HAZARDS</b>	
<b>THEME DESCRIPTION</b>	<i>To be completed for Draft Data Plan.</i>
<b>THEME USES</b>	Risk analysis, land use planning, insurance, emergency evacuation, surface mining compliance, identify erosion sites, erodability of soils, and levees.
<b>RELATIONSHIP TO</b>	This data theme is related to the elevation, orthoimagery, cadastral,

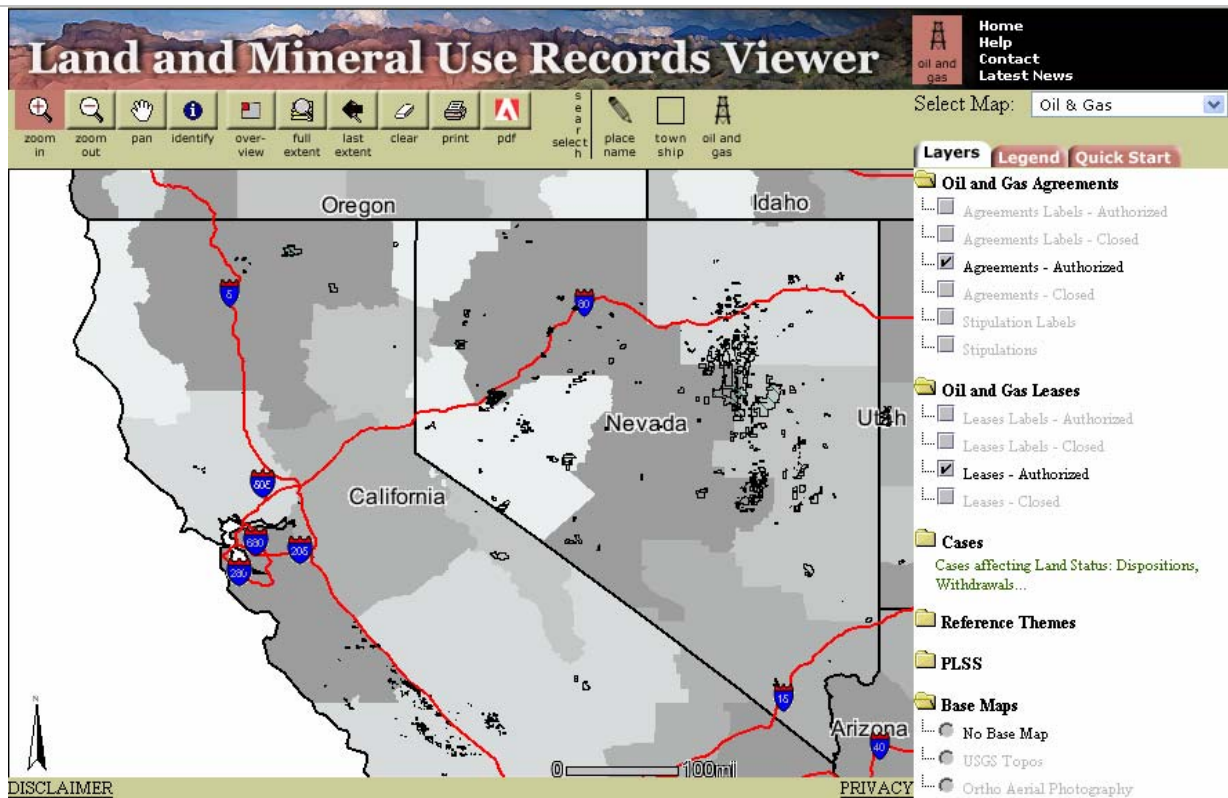
<b>FLOOD HAZARDS</b>	
<b>OTHER DATA THEMES</b>	and hydrography themes, which are used to estimate flood hazards.
<b>SOURCE OF DATA</b>	The state has levee risk maps with large regional coverage, maintained by the Department of Water Resources. The California Geologic Survey (CGS) may be funded to produce data on earthquake hazards to levees. Counties have separate assessments. The US Army Corps of Engineers (USACE) has a levee program which involves a levee database and levee assessment.
<b>STATUS</b>	<i>To be completed for Draft Data Plan.</i>
<b>STANDARDS</b>	<i>To be completed for Draft Data Plan.</i>
<b>PRIMARY DATA USERS &amp; STAKEHOLDERS</b>	<i>To be completed for Draft Data Plan.</i>
<b>POTENTIAL DATA HOSTS</b>	<i>To be completed for Draft Data Plan.</i>
<b>COMMENTS</b>	<i>To be completed for Draft Data Plan.</i>

<b>VEGETATION</b>	
<b>THEME DESCRIPTION</b>	<i>To be completed for Draft Data Plan.</i>
<b>THEME USES</b>	Environmental analysis, habitat modeling, fire management, conservation planning, endangered species, impact analysis, and land use planning.
<b>RELATIONSHIP TO OTHER DATA THEMES</b>	Related to hydrography, elevation, biological resources, and soils.
<b>SOURCE OF DATA</b>	There is a state vegetation workgroup which is determining needs. The state is interested in vegetation as part of intelligent planning. Other sources include Department of Fish and Games, US Forest Service, and Department of Forestry.
<b>STATUS</b>	There is no data at an adequate scale.
<b>STANDARDS</b>	<i>To be completed for Draft Data Plan.</i>
<b>PRIMARY DATA USERS &amp; STAKEHOLDERS</b>	<i>To be completed for Draft Data Plan.</i>
<b>POTENTIAL DATA</b>	<i>To be completed for Draft Data Plan.</i>

<b>VEGETATION</b>	
<b>HOSTS</b>	
<b>COMMENTS</b>	There are very different data needs for different purposes. It is unclear what types of characteristics should be collected and how data should be classified for broad public needs.

<b>UTILITIES</b>	
<b>THEME DESCRIPTION</b>	<i>To be completed for Draft Data Plan.</i>
<b>THEME USES</b>	Project design, critical infrastructure protection, emergency planning and response.
<b>RELATIONSHIP TO OTHER DATA THEMES</b>	Related to demography, flood hazards, cadastral, and orthoimagery.
<b>SOURCE OF DATA</b>	The California Energy Commission is collecting data on electric power and gas lines, as well as determining the feasibility of solar power. OES has made a first effort at a database of statewide transmission line capacity. However, it is mostly for cartographic use because the accuracy is low. The US Department of Transportation has the National Pipeline Mapping System. The Federal Communications Commission (FCC) has downloadable data on cell phone towers, which is incomplete. Water data is usually maintained by local or regional sources, which are unlikely to share it.
<b>STATUS</b>	<i>To be completed for Draft Data Plan.</i>
<b>STANDARDS</b>	<i>To be completed for Draft Data Plan.</i>
<b>PRIMARY DATA USERS &amp; STAKEHOLDERS</b>	<i>To be completed for Draft Data Plan.</i>
<b>POTENTIAL DATA HOSTS</b>	<i>To be completed for Draft Data Plan.</i>
<b>COMMENTS</b>	Data is generally shared with government agencies on an as-needed basis. There are significant data holes resulting in spotty coverage.

PUBLIC LAND CONVEYANCE RECORDS



<b>THEME DESCRIPTION</b>	<i>To be completed for Draft Data Plan.</i>
<b>THEME USES</b>	Historical parcel information, easements, accuracy of past development patterns, and predict future development.
<b>RELATIONSHIP TO OTHER DATA THEMES</b>	Related to cadastral, boundaries, and vegetation.
<b>SOURCE OF DATA</b>	The Bureau of Land Management maintains the GeoCommunicator, which contains historical information on land ownership and oil and gas. This data set is largely populated for California and is continually being improved.
<b>STATUS</b>	<i>The GeoCommunicator resource can be found online at:</i> <a href="http://www.geocommunicator.gov/">http://www.geocommunicator.gov/</a>
<b>STANDARDS</b>	<i>BLM's standards can be found online at:</i> <a href="http://www.geocommunicator.gov/GeoComm/resource/help_pdf/gcdb_cover_format.pdf">http://www.geocommunicator.gov/GeoComm/resource/help_pdf/gcdb_cover_format.pdf</a>
<b>PRIMARY DATA USERS &amp; STAKEHOLDERS</b>	<i>To be completed for Draft Data Plan.</i>

**PUBLIC LAND CONVEYANCE RECORDS**

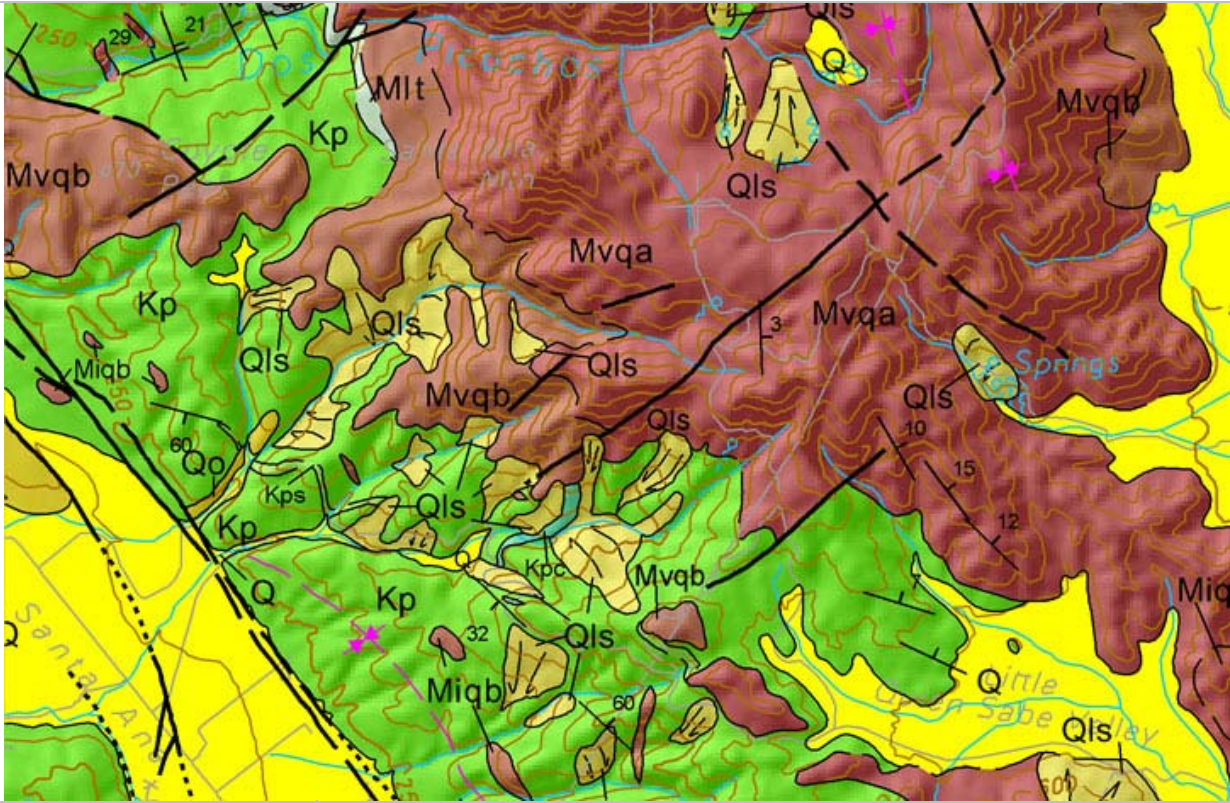
<b>POTENTIAL DATA HOSTS</b>	<i>To be completed for Draft Data Plan.</i>
<b>COMMENTS</b>	<i>To be completed for Draft Data Plan.</i>

**WETLANDS**

The screenshot shows the 'Wetlands Online Mapper' interface. At the top, it says 'U.S. Fish & Wildlife Service Wetlands Online Mapper'. Below that are navigation tabs: 'About', 'Home', 'Layers', 'Legend', 'Key Map', 'Locate', 'Contact Us', 'Print PDF', 'Help', and 'Exit'. There are also icons for search, zoom, and other map functions. The main map area shows a map of California with various wetland data layers overlaid. The legend on the right is titled 'Map Layers' and includes 'Interactive Layers', 'Wetlands Data', and 'Wetlands Data Availability'. Under 'Wetlands Data Availability', there are two sections: 'Scale > 1:100,000' and 'Scale < 1:100,000'. Each section has four categories: Digital (light green), Scan (medium green), Non-Digital (light brown), and No Data (white). There are also checkboxes for 'Wetland Polygons', 'Wetlands Metadata and Scans', and 'Historic Wetlands Map Info'. At the bottom of the map, it says 'Scale: 1:1,206,650' and 'Map Tool: Zoom Out'. There is also a 'Powered by geocortex' logo.

<b>THEME DESCRIPTION</b>	<i>To be completed for Draft Data Plan.</i>
<b>THEME USES</b>	Regulatory permitting, flood control, easements, site suitability, development, change detection, similar to vegetation uses noted above.
<b>RELATIONSHIP TO OTHER DATA THEMES</b>	<i>To be completed for Draft Data Plan.</i>
<b>SOURCE OF DATA</b>	National Wetlands Inventory (NWI). There is a working group of the US Fish and Wildlife and the SF Estuary Institute. Data is publicly available online. The California Resources Agency and Fish and Game also collect wetlands data.

<b>WETLANDS</b>	
<b>STATUS</b>	<i>NWI is nearly complete and data can be downloaded from: <a href="http://www.fws.gov/nwi/">http://www.fws.gov/nwi/</a></i>
<b>STANDARDS</b>	<i>NWI uses Classification of Wetlands and Deepwater Habitats of the United States as its classification standard: <a href="http://www.fws.gov/nwi/Pubs_Reports/Class_Manual/class_titlepg.htm">http://www.fws.gov/nwi/Pubs_Reports/Class_Manual/class_titlepg.htm</a></i>
<b>PRIMARY DATA USERS &amp; STAKEHOLDERS</b>	<i>To be completed for Draft Data Plan.</i>
<b>POTENTIAL DATA HOSTS</b>	<i>To be completed for Draft Data Plan.</i>
<b>COMMENTS</b>	<i>USACE does wetlands permitting but they are a user rather than a source of wetlands data.</i>

<b>GEOLOGIC</b>	
	
<b>THEME DESCRIPTION</b>	<i>To be completed for Draft Data Plan.</i>

<b>GEOLOGIC</b>	
<b>THEME USES</b>	Geologic hazards (landslides, earthquakes), emergency response and planning, economic geology (aggregate), public safety (radon, asbestos), research (shake maps), and earthquake probability.
<b>RELATIONSHIP TO OTHER DATA THEMES</b>	<i>To be completed for Draft Data Plan.</i>
<b>SOURCE OF DATA</b>	California Geologic Survey (CGS) and the USGS are stewards and maintain maps online.
<b>STATUS</b>	<i>Information on CGS's mapping activities is available at:</i> <a href="http://www.consrv.ca.gov/cgs/information/geologic_mapping/index.htm">http://www.consrv.ca.gov/cgs/information/geologic_mapping/index.htm</a>
<b>STANDARDS</b>	<i>To be completed for Draft Data Plan.</i>
<b>PRIMARY DATA USERS &amp; STAKEHOLDERS</b>	<i>To be completed for Draft Data Plan.</i>
<b>POTENTIAL DATA HOSTS</b>	<i>To be completed for Draft Data Plan.</i>
<b>COMMENTS</b>	<i>To be completed for Draft Data Plan.</i>

## BIOLOGIC RESOURCES

Record	QUADNAME	ELMCODE	SCRIAME	COMNAME	FEDSTATUS	CALSTATUS	CDFG	CHPSLIST
1	Hot	ABNKC19070	Buteo swainsoni	Swainson's hawk	None	Threatened		
2	Hot	ABNSB10010	Athene cucularia	burrowing owl	None	None	SC	
3	Hot	ARAAD02030	Emys (=Clemmys) marmorata	western pond turtle	None	None	SC	
4	Hot	CTT52410CA	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	None	None		
5	Hot	POAPI19030	Lilaeopsis masonii	Mason's Lilaeopsis	None	Rare		1B

<b>THEME DESCRIPTION</b>	<i>To be completed for Draft Data Plan.</i>
<b>THEME USES</b>	Conservation planning, natural resource activity, exotic and invasive species.
<b>RELATIONSHIP TO OTHER DATA THEMES</b>	<i>To be completed for Draft Data Plan.</i>
<b>SOURCE OF DATA</b>	Fish and Game has a natural diversity database with some data that is publicly available. <i>The California Natural Diversity Database (CNDDDB) is available to those who subscribe. The National Biological Information Infrastructure (NBII) and UC Davis maintain the California Information Node, which has several mapping resources.</i>
<b>STATUS</b>	<i>The CNDDDB only has publicly available data at the 7.5' Quadrangle and County level. It can be found at: <a href="http://imaps.dfg.ca.gov/cnddb_quickviewer/">http://imaps.dfg.ca.gov/cnddb_quickviewer/</a></i>
<b>STANDARDS</b>	<i>To be completed for Draft Data Plan.</i>
<b>PRIMARY DATA USERS &amp;</b>	<i>To be completed for Draft Data Plan.</i>



<b>BIOLOGIC RESOURCES</b>	
<b>STAKEHOLDERS</b>	
<b>POTENTIAL DATA HOSTS</b>	<i>To be completed for Draft Data Plan.</i>
<b>COMMENTS</b>	<i>To be completed for Draft Data Plan.</i>