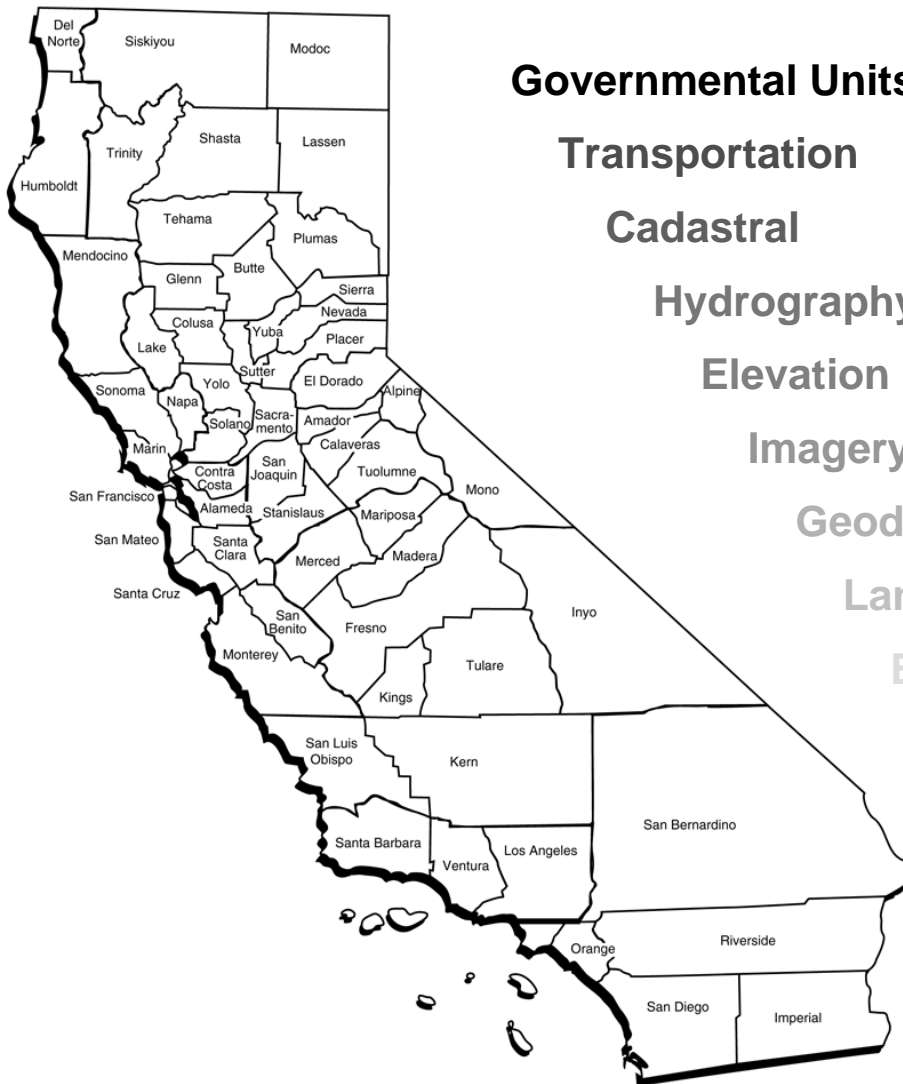


WORKSHOP 1 SUMMARY

FOR

CALIFORNIA GEOSPATIAL FRAMEWORK DRAFT DATA PLAN

May 19, 2006



Submitted To:
California Geographic Information Association
1440 Broadway Street, Suite 800
Oakland, CA 94612

Baker

ChallengeUs.

Submitted By:
Michael Baker Jr., Inc.
1300 Clay St. Suite 810
Oakland, CA 94612

The first outreach workshop for the California Geospatial Framework Draft Data Plan was held on Wednesday, April 5 at the CalGIS Conference in Santa Barbara. The NSDI data themes were presented as potential California-centric themes and participants were asked to allocate their five selection votes dollars among their top choices.

Because of the specific nature of NSDI's data them categorization, participants felt there were some crucial themes missing from the options. These themes included street addressing and critical infrastructure. The latter was determined to be a mix of the NSDI Buildings and Facilities data theme and the ISO Utilities data theme. Utilities was added to the voting options as well as street addressing. Street addressing is closely related to the Transportation and Cadastral framework themes, but participants wanted more accurate geocoding than address ranges in a street center lines file would provide.

The thirty-two workshop participants who signed in came from a mix of federal, state, local/regional, and private interests. Ventura and San Diego Counties had the most local government representation. Participants representing private interests came from Alameda, Fresno, Los Angeles, Monterey, Riverside, Sacramento, and Ventura Counties.

During the voting (funding allocation), several data themes emerged as clear contenders as California-centric themes: Buildings and Facilities, Street Addressing, Cultural and Demographic Statistics, Public Health, Vegetation, and Utilities. See Figure 1 for the total votes for each potential California-centric theme. 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.

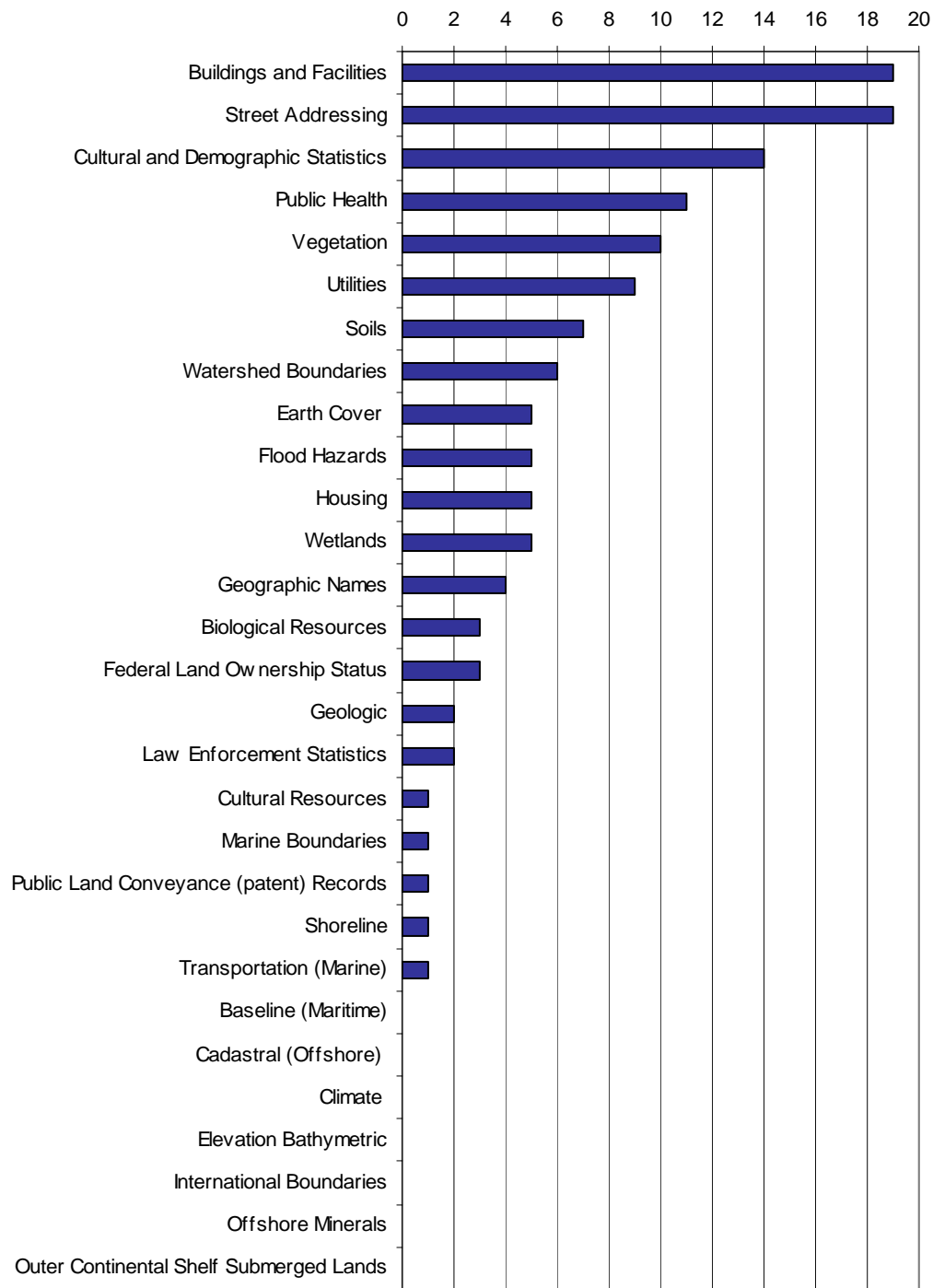


Figure 1. Total votes for California-centric themes

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

1. Vegetation – US Forest Service
2. Soils – NRCS, USGS

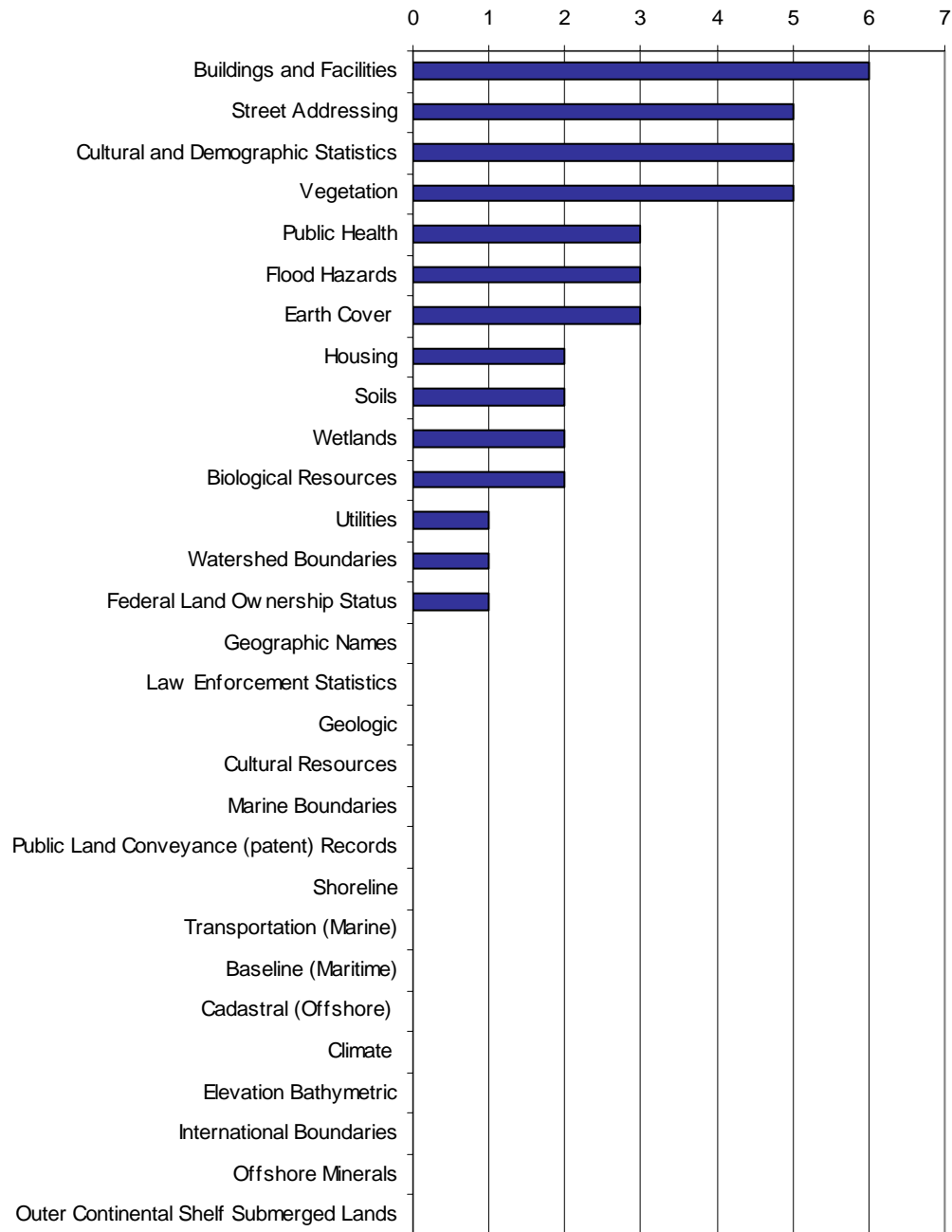


Figure 2. Local government votes for California-centric themes

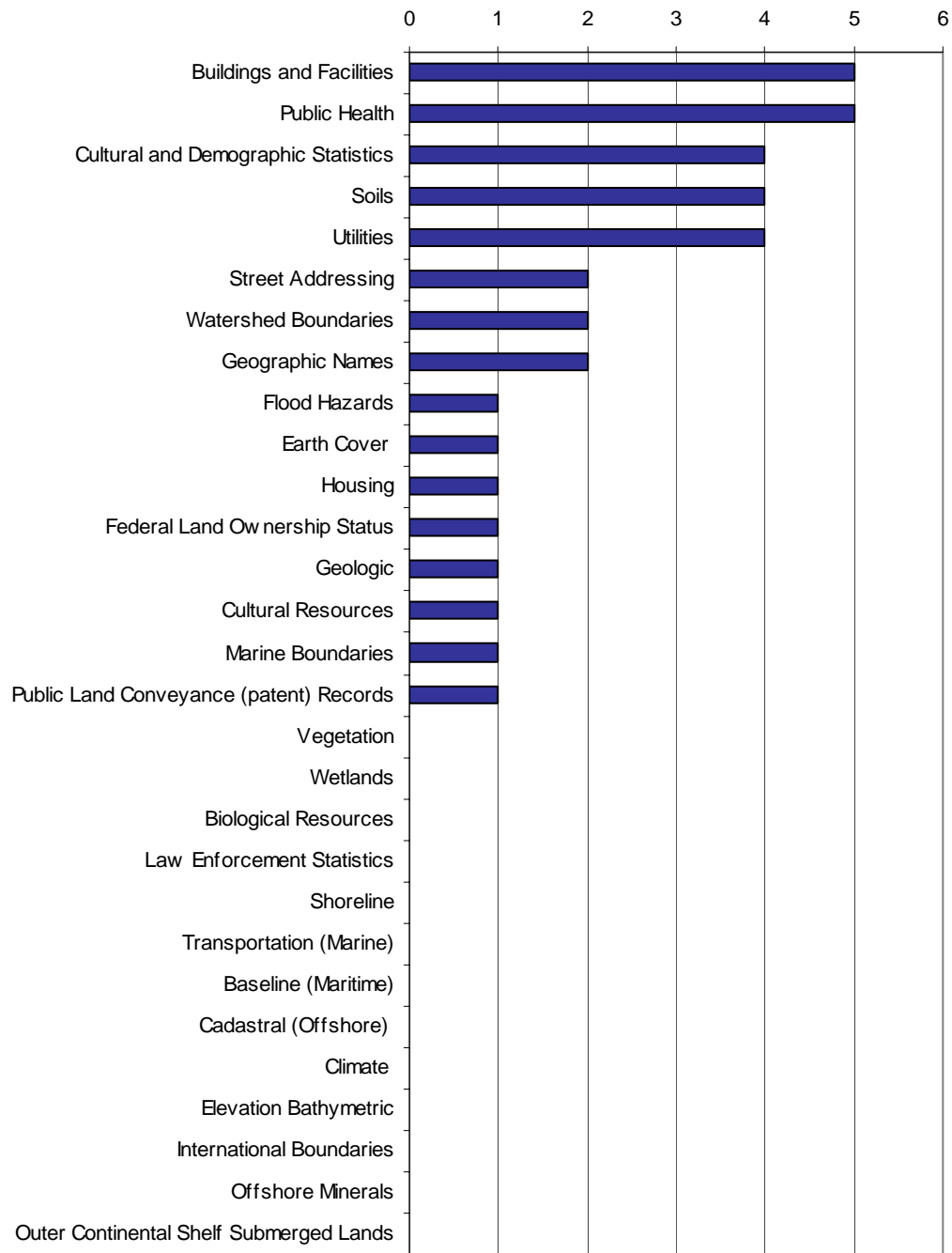


Figure 3. State government votes for California-centric themes

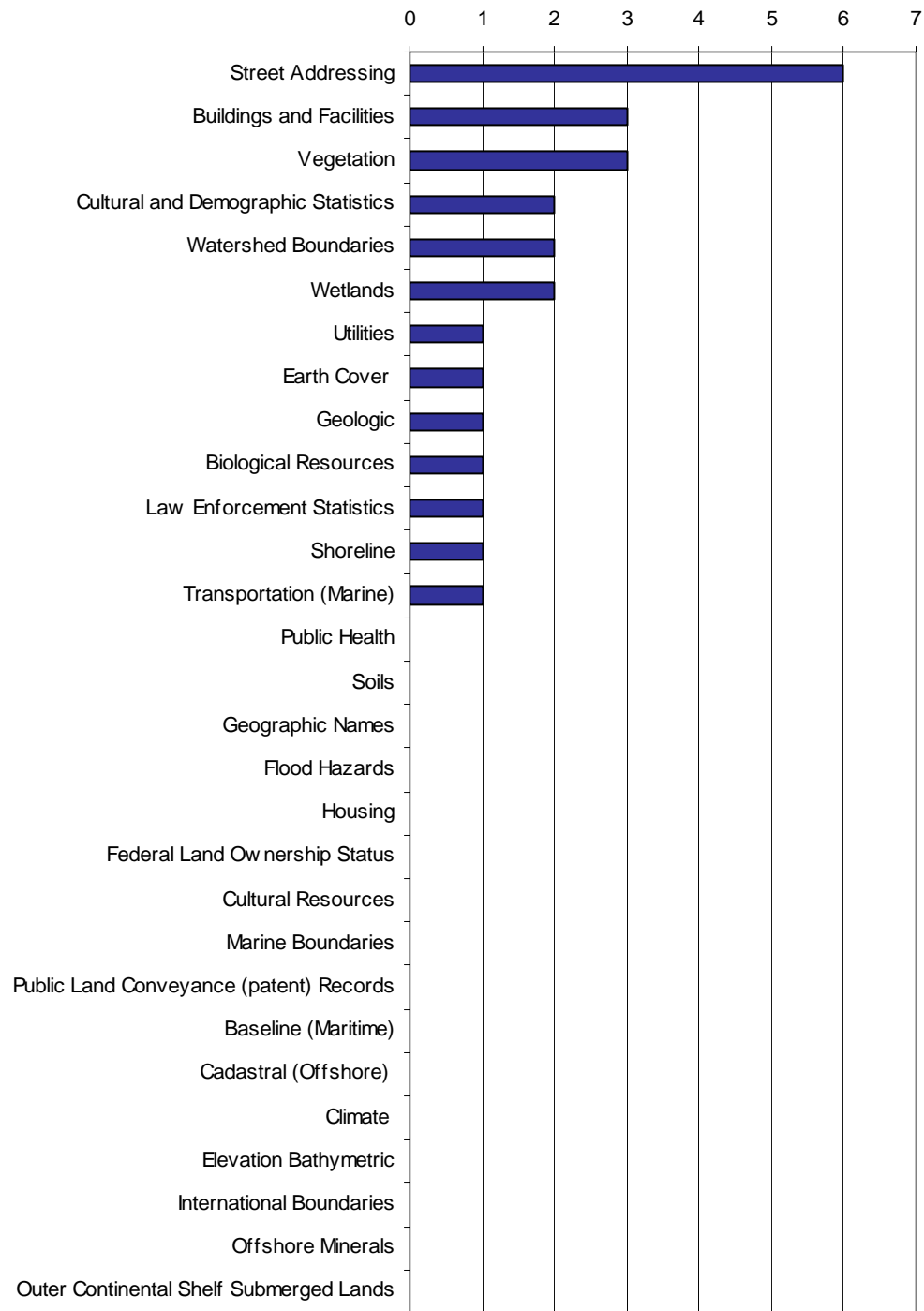


Figure 4. Federal government votes for California-centric themes

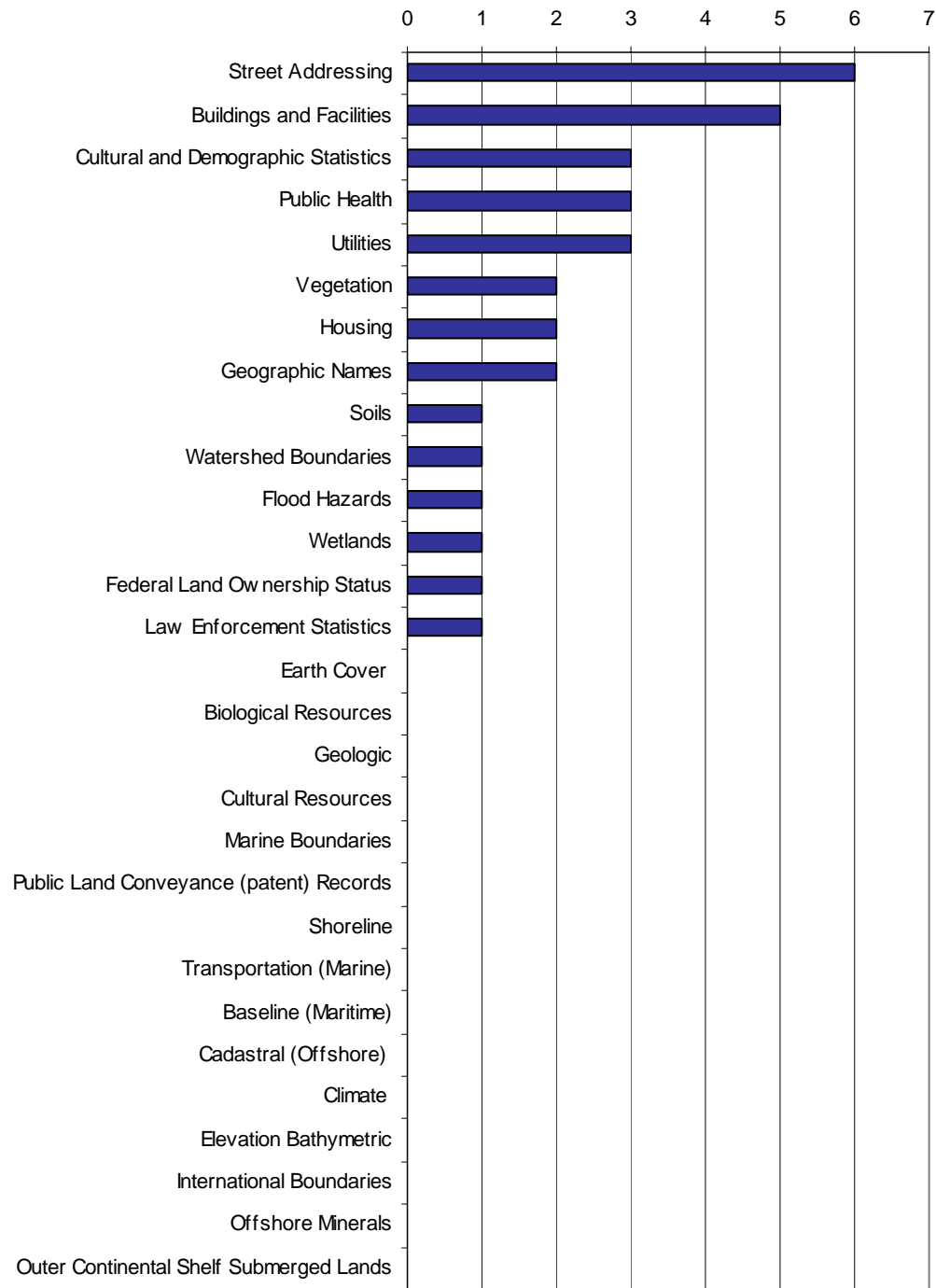


Figure 5. Private interest votes for California-centric themes

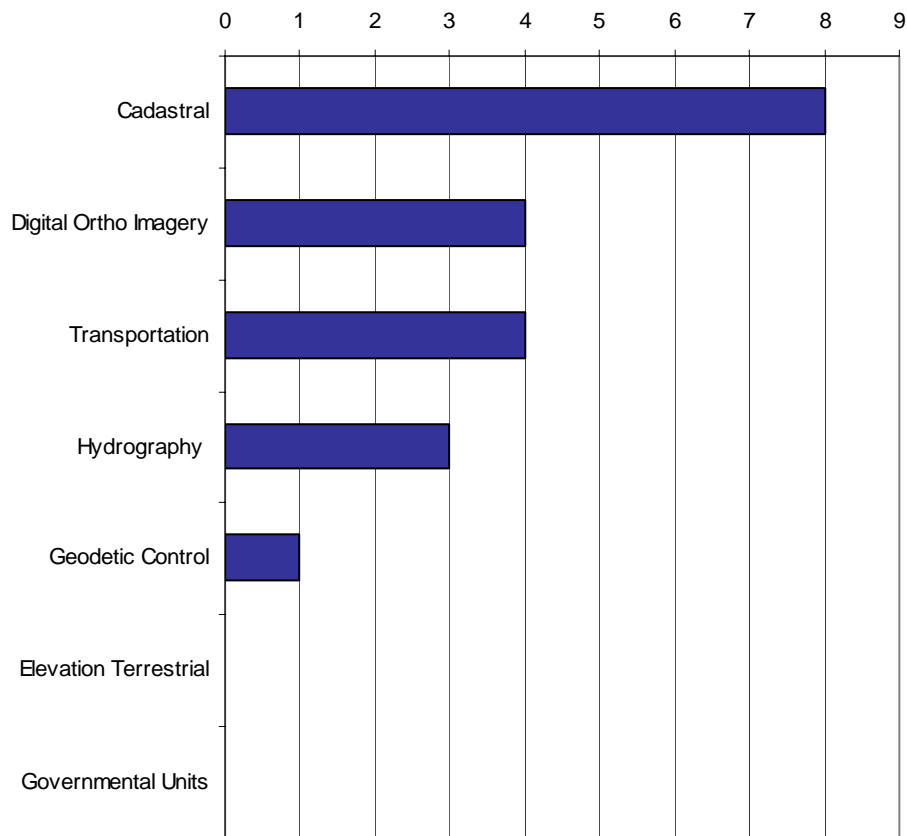


Figure 6. Total votes for core framework data themes

Data sources were identified for the following core framework data themes during discussions:

1. Hydrography – National Hydrography Dataset (NHD)
2. Geodetic Control – California Spatial Reference System (CSRC)

Notes from the first 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 with California-centric themes listed first. *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.

CALIFORNIA-CENTRIC THEMES

BUILDINGS AND FACILITIES	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	20-year plans, estimating potential damage, emergency response planning, multi-hazard planning, and damage assessment.
RELATIONSHIP TO OTHER DATA THEMES	This data theme and the utilities theme are the key components of critical infrastructure.
SOURCE OF DATA	Potential sources are the California Department of General Services (DGS), local building and safety offices, local planning departments, building plans in recorders' offices (on paper).
STATUS	These data are not freely available.
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

STREET ADDRESSING	
THEME DESCRIPTION	The street addressing theme includes point data for the locations of all buildings.
THEME USES	Accurate geocoding, permit issuance, referencing for tree surveys and utilities notification, emergency response, new service orders, crime mapping, and route mapping/deliveries.
RELATIONSHIP TO OTHER DATA THEMES	<i>This data theme is closely related to the cadastral and transportation data themes. Many transportation layers include address ranges, which are not accurate enough for some uses..</i>
SOURCE OF DATA	TeleAtlas and AT&T are private sources. Census TIGER Line files contain address ranges only, which may not be accurate enough for some users. The US Postal Service (USPS) maintains nonspatial address data, but does not share it. Local sources include public works and planning agencies, assessors' parcel maps, fire departments, E-911, and business license data

STREET ADDRESSING	
	managers. Generally, the public works or planning agencies maintain address data for the assessor. Some assessors sell or give access to the data online. Nonspatial sources include utility billing records and address lists of registered voters.
STATUS	<i>To be completed for Draft Data Plan.</i>
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

CULTURAL AND DEMOGRAPHIC STATISTICS	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	Forecasting, transportation modeling, and distribution of population.
RELATIONSHIP TO OTHER DATA THEMES	<i>To be completed for Draft Data Plan.</i>
SOURCE OF DATA	The US Census, DHS, Department of Real Estate, Employment Development Department (EDD), and private vendors.
STATUS	The Census maintains the American Factfinder website with data from the Decennial Census and the American Community Survey.
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	Precision or aggregation of these data is a balance of public right-to-know versus privacy. These data are a source for second tier analysis.

PUBLIC HEATH	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	Assessing quality or disparity in care, forecasting, health program funding, placement of facilities, and targeting funding to those who need it.
RELATIONSHIP TO OTHER DATA THEMES	There is a key link between health data and addresses.
SOURCE OF DATA	The Office of Statewide Health Planning and Development (OSHPD), the Department of Health Services (DHS), insurance companies, and county health offices.
STATUS	OSHPD and DHS maintain vital records and disease and cancer registries. These data are excellently integrated among these agencies but not among other entities. DHS data are program-specific, but DHS is trying to make them California-specific.
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	OSHPD or DHS data servers
COMMENTS	Health data must be dealt with carefully because of privacy issues. HIPAA compliance defines the relationship between this and other data themes.

VEGETATION	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	Habitat planning, growth management, wildfire hazard mitigation, revenue forecasting for agriculture, and insect infestation.
RELATIONSHIP TO OTHER DATA THEMES	<i>To be completed for Draft Data Plan.</i>
SOURCE OF DATA	The Forest Service has online downloadable vegetation data. Other sources include the Department of Forestry, California Department of Fish and Game, US Fish and Wildlife Service, county planning departments, California Vegetation Mapping Group, California Invasive Plant Council, California Department of Conservation,

VEGETATION	
	California Native Plant Society, and university centers like CSU Fresno's ISIS Center.
STATUS	<i>To be completed for Draft Data Plan.</i>
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	The Forest Service fuzzes the location of plots to maintain privacy of landowners.

UTILITIES	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	Dig alerts, new construction, waste water, coordination of activities to avoid digging up new streets, emergency management, and homeland security.
RELATIONSHIP TO OTHER DATA THEMES	This data theme and the buildings and facilities theme are the main components of critical infrastructure.
SOURCE OF DATA	Power, gas, telephone, and oil companies. Water and sewer utilities.
STATUS	<i>To be completed for Draft Data Plan.</i>
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

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

SOILS	
THEME USES	Finding aggregate mining sites, land development, environmental remediation, watershed protection, groundwater management, and agriculture and crops.
RELATIONSHIP TO OTHER DATA THEMES	<i>To be completed for Draft Data Plan.</i>
SOURCE OF DATA	NRCS and the USGS maintain data online.
STATUS	<i>To be completed for Draft Data Plan.</i>
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

WATERSHED BOUNDARIES	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	Storm water management, watershed management, forest practice regulation
RELATIONSHIP TO OTHER DATA THEMES	<i>To be completed for Draft Data Plan.</i>
SOURCE OF DATA	CaSIL (interagency committee CalWater 221), US Department of Agriculture (USDA), Forest Service, National Resources Conservation Service (NRCS), California Department of Water Resources (DWR), and regional water resources.
STATUS	<i>To be completed for Draft Data Plan.</i>
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

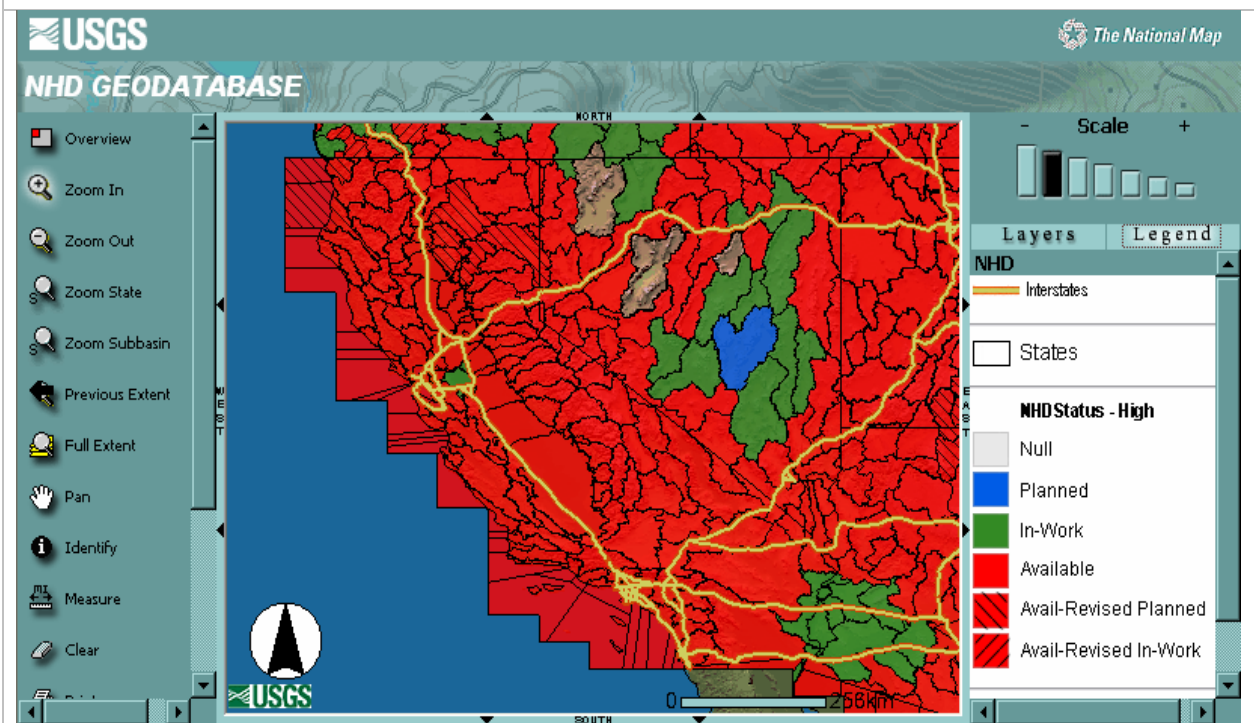
CORE FRAMEWORK THEMES

CADASTRAL	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	<i>To be completed for Draft Data Plan.</i>
RELATIONSHIP TO OTHER DATA THEMES	<i>To be completed for Draft Data Plan.</i>
SOURCE OF DATA	Cadastral data are maintained by local and regional governments. AT&T has compiled much of this data for their Digital Landbase.
STATUS	<i>To be completed for Draft Data Plan.</i>
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

ORTHO IMAGERY	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	Ecosystem restoration.
RELATIONSHIP TO OTHER DATA THEMES	This theme is used as a reference source for several other themes, including transportation and hydrography.
SOURCE OF DATA	<i>To be completed for Draft Data Plan.</i>
STATUS	<i>To be completed for Draft Data Plan.</i>
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

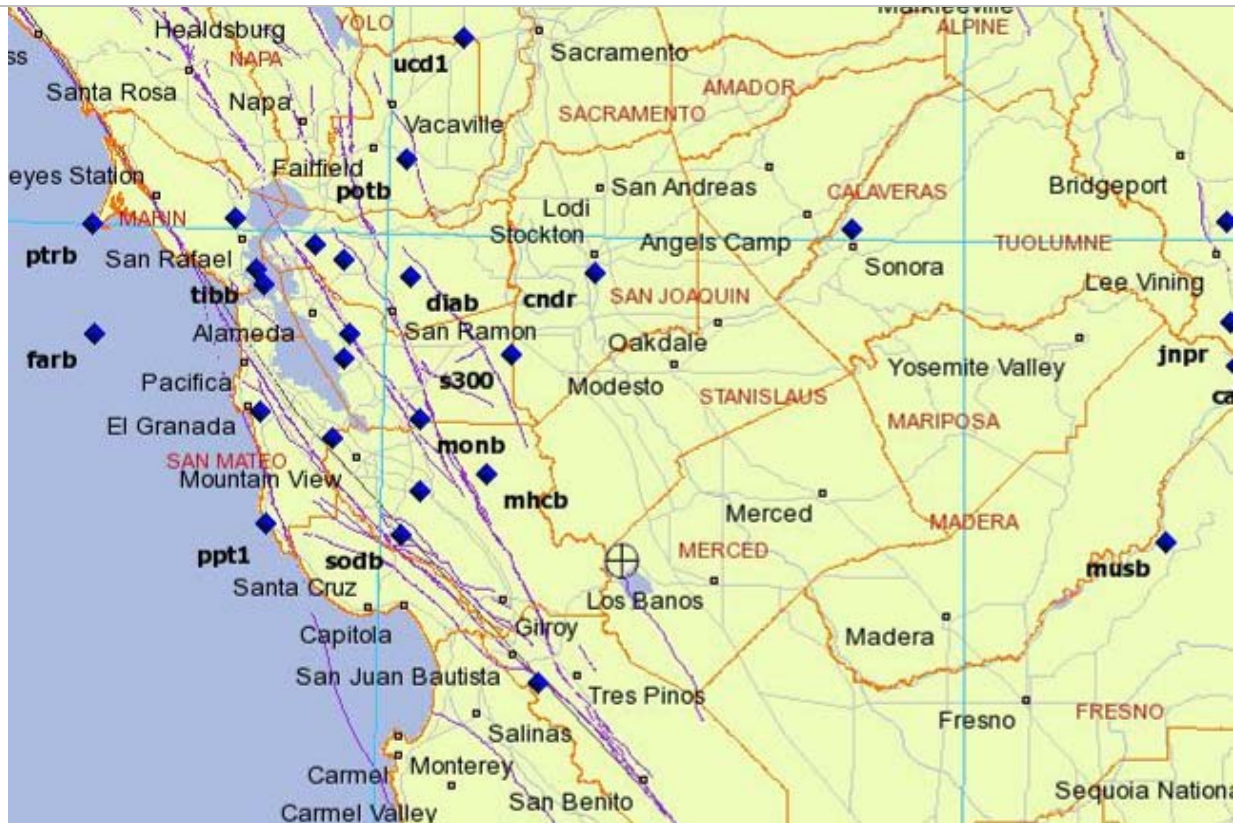
TRANSPORTATION	
THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	<i>To be completed for Draft Data Plan.</i>
RELATIONSHIP TO OTHER DATA THEMES	<i>To be completed for Draft Data Plan.</i>
SOURCE OF DATA	Caltrans, U.S. Census, TeleAtlas, GDT, Thomas Brothers, local and regional agencies.
STATUS	Caltrans has data for 15,000 miles of the state highway and system, 150,000 miles of arterial roads. Total road mileage for the state is 370,000. The US Census is repositioning TIGER Line data based on updated imagery. New data are uploaded every 6 months.
STANDARDS	<i>To be completed for Draft Data Plan.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	Caltrans is currently hosting data that is only available to Caltrans employees.
COMMENTS	<i>To be completed for Draft Data Plan.</i>

HYDROGRAPHY



THEME DESCRIPTION	<i>To be completed for Draft Data Plan.</i>
THEME USES	<i>To be completed for Draft Data Plan.</i>
RELATIONSHIP TO OTHER DATA THEMES	<i>To be completed for Draft Data Plan.</i>
SOURCE OF DATA	US Geological Survey (USGS)
STATUS	The USGS maintains the National Hydrography Dataset (NHD) which contains 1:24,000-scale hydrography data for all of California.
STANDARDS	<i>U.S. Geological Survey standards for NHD can be found here: rmmcweb.cr.usgs.gov/public/nmpstds/nhdstds.html. The standards used are for the high resolution NHD product.</i>
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	<i>To be completed for Draft Data Plan.</i>
COMMENTS	<i>To be completed for Draft Data Plan.</i>

GEODETIC CONTROL



<p>THEME DESCRIPTION</p>	<p><i>Geodetic control provides a common reference system for establishing coordinates for all geographic data. All framework data and users' applications data require geodetic control to accurately register spatial data. The National Spatial Reference System is the fundamental geodetic control for the United States.</i></p>
<p>THEME USES</p>	<p><i>To be completed for Draft Data Plan.</i></p>
<p>RELATIONSHIP TO OTHER DATA THEMES</p>	<p><i>To be completed for Draft Data Plan.</i></p>
<p>SOURCE OF DATA</p>	<p><i>The California Spatial Reference Center (CSRC) has developed a plan to establish and maintain an accurate state-of-the-art network of GPS control stations necessary to meet the demands of government and private businesses for a reliable spatial reference system in California.</i></p>
<p>STATUS</p>	<p><i>To be completed for Draft Data Plan.</i></p>
<p>STANDARDS</p>	<p><i>The National Geodetic Survey has information about control points, datums, available data, and accuracy from: http://www.ngs.noaa.gov/faq.shtml.</i></p>

GEODETIC CONTROL	
PRIMARY DATA USERS & STAKEHOLDERS	<i>To be completed for Draft Data Plan.</i>
POTENTIAL DATA HOSTS	CSRC
COMMENTS	<i>To be completed for Draft Data Plan.</i>