

U.S. Geological Survey
2011 Budget Justification
(Dollars in Thousands)

<u>Activity/Subactivity/Program Element</u>	<u>2009</u> <u>Actual</u>	<u>2009</u> <u>Recovery</u> <u>Act</u> <u>a/</u>	<u>2010</u> <u>Enacted</u>	<u>DOI-Wide</u> <u>Changes</u>	<u>Program</u> <u>Changes</u> <u>b/</u>	<u>2011</u> <u>Budget</u> <u>Request</u>	<u>Inc. (+)</u> <u>Dec. (-)</u> <u>from 2010</u>	
GEOG RES., INVESTIGATIONS & REMOTE SENSING								
Land Remote Sensing	61,718	0	63,707	-1,195	13,350	75,862	12,155	<u>c/</u>
Geographic Analysis and Monitoring	10,598	0	11,135	-192	750	11,693	558	<u>d/</u>
National Geospatial Program			70,748	-1,361	-3,500	65,887	-4,861	<u>e/</u>
TOTAL	72,316	0	145,590	-2,748	10,600	153,442	7,852	
GEOLOGIC HAZ., RESOURCES, & PROC.								
Geologic Hazard Assessments								
Earthquake Hazards	55,760	29,445	57,021	-930	800	56,891	-130	<u>f/</u>
Volcano Hazards	23,901	15,210	24,421	-458	1,250	25,213	792	<u>g/</u>
Landslide Hazards	3,350	0	3,405	-80	0	3,325	-80	<u>h/</u>
Global Seismographic Network	5,482	0	5,778	-138	-250	5,390	-388	<u>i/</u>
Geomagnetism	2,092	0	2,138	-37	0	2,101	-37	<u>j/</u>
Subtotal	90,585	44,655	92,763	-1,643	1,800	92,920	157	
Geologic Landscape & Coastal Assessments								
National Cooperative Geologic Mapping	27,724	0	28,163	-395	500	28,268	105	<u>k/</u>
Coastal and Marine Geology	44,657	0	46,188	-871	4,000	49,317	3,129	<u>l/</u>
Subtotal	72,381	0	74,351	-1,266	4,500	77,585	3,234	
Geologic Resource Assessments								
Mineral Resources	52,427	0	53,780	-858	-400	52,522	-1,258	<u>m/</u>
Energy Resources	26,749	0	28,237	-431	3,000	30,806	2,569	<u>n/</u>
Subtotal	79,176	0	82,017	-1,289	2,600	83,328	1,311	
TOTAL	242,142	44,655	249,131	-4,198	8,900	253,833	4,702	
WATER RESOURCES INVESTIGATIONS								
Hydrologic Monitoring, Assessments & Research								
Ground-Water Resources Program	9,008	0	9,714	-236	-380	9,098	-616	<u>o/</u>
National Water-Quality Assessment	65,056	0	66,507	-1,465	0	65,042	-1,465	<u>p/</u>
Toxic Substances Hydrology	10,767	0	11,084	-284	0	10,800	-284	<u>q/</u>
Hydrologic Research & Development	13,421	0	13,822	-266	-1,600	11,956	-1,866	<u>r/</u>
National Streamflow Information Program	22,406	14,625	27,732	-578	0	27,154	-578	<u>s/</u>
Hydrologic Networks and Analysis	30,128	0	31,387	-1,761	5,054	34,680	3,293	<u>t/</u>
Subtotal	150,786	14,625	160,246	-4,590	3,074	158,730	-1,516	
Cooperative Water Program	64,078	0	65,561	-1,963	0	63,598	-1,963	<u>u/</u>
Water Resources Research Act Program	6,500	0	6,500	-1	0	6,499	-1	<u>v/</u>
TOTAL	221,364	14,625	232,307	-6,554	3,074	228,827	-3,480	
BIOLOGICAL RESEARCH								
Biological Research and Monitoring	146,416	0	160,685	-3,014	1,780	159,451	-1,234	<u>w/</u>
Biological Information Management & Delivery	21,965	0	24,946	-568	-1,628	22,750	-2,196	<u>x/</u>
Cooperative Research Units	16,949	0	19,313	-170	0	19,143	-170	<u>y/</u>
TOTAL	185,330	0	204,944	-3,752	152	201,344	-3,600	
ENTERPRISE INFORMATION								
Enterprise Information Security and Technology	25,176	0	26,263	-286	-2,500	23,477	-2,786	<u>z/</u>
Enterprise Information Resources	17,478	0	19,706	-182	-1,500	18,024	-1,682	<u>aa/</u>
National Geospatial Program	69,816	14,625						
TOTAL	112,470	14,625	45,969	-468	-4,000	41,501	-4,468	

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<u>Activity/Subactivity/Program Element</u>	<u>2009 Actual</u>	<u>2009 Recovery Act</u>	<u>a/</u>	<u>2010 Enacted</u>	<u>DOI-Wide Changes</u>	<u>b/</u>	<u>Program Changes</u>	<u>2011 Budget Request</u>	<u>Inc. (+) Dec. (-) from 2010</u>
GLOBAL CHANGE	40,628	0		58,177	-692		14,614	72,099	13,922 ab/
SCIENCE SUPPORT	67,430	3,788		69,225	8,159		0	77,384	8,159 ac/
FACILITIES									
Rental Payments and Operations & Maintenance	94,802	0		99,076	-1,454		0	97,622	-1,454 ad/
Deferred Maintenance & Capital Improvement	7,321	62,307		7,321	-2,514		0	4,807	-2,514 ae/
Construction					2,500		0	2,500	2,500 af/
TOTAL	102,123	62,307		106,397	-1,468		0	104,929	-1,468
TOTAL, SIR	1,043,803	140,000		1,111,740	-11,721		33,340	1,133,359	21,619

a/ A new treasury account was created for the Recovery Act appropriation; direct allocations to programs were not made.

b/ The DOI-Wide Changes column includes three components: (1) Related Changes - Budget Restructures that net to zero; (2) DOI-Wide Management Efficiencies - savings that result in reductions totaling -\$11.648 million in reductions; and (3) DOI Working Capital Fund adjustments - a net reduction of -\$0.073 million). For additional information related to these components at the budget structure level of detail, see the "Details for DOI-Wide Changes" table.

c/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$1.195 million) and an increase for the Landsat Data Continuity Mission (\$13.35 million).

d/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.192 million) and increases for Increasing Resilience to Natural Hazards initiative (\$0.25 million) and the WaterSMART Program (\$0.5 million).

e/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$1.361 million) and a decrease for the National Map partnerships (-\$3.5 million).

f/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.930 million); an increase for the Increasing Resilience to Natural Hazards initiative (\$1.8 million); and a decrease for a Congressional add-on for LIDAR and Seismological Studies (-\$1.0 million).

g/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.458 million); an increase for the Increasing Resilience to Natural Hazards initiative (\$1.5 million); and a decrease for a Congressional earmark for a cooperative partnership between University of Hawaii-Manoa and the USGS Hawaii Volcano Observatory (-\$0.25 million).

h/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.080 million).

i/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.138 million) and a decrease of a Congressional add-on to the Global Seismographic Network (-\$0.25 million).

j/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.037 million).

k/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.395 million) and an increase for the WaterSMART Program (\$0.5 million).

l/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.871 million) and an increase for Coastal and Marine Spatial Planning (\$4.0 million).

m/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.858 million); an increase for the Increasing Resilience to Natural Hazards initiative (\$0.25 million); and a decrease for the Congressional earmark for Mineral Resource Assessment in Nye County, NV (-\$0.65 million).

n/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.431 million) and an increase for the New Energy Frontier (wind) initiative (\$3.0 million).

o/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.236 million); an increase for the WaterSMART Program (\$1.1 million); and decreases for Congressional earmarks for San Diego, CA Aquifer Mapping (-\$0.9 million), Arkansas Sparta Aquifer Recovery (-\$0.3 million), and McHenry IL Groundwater and Stormwater Protection (-\$0.28 million).

p/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$1.465 million).

q/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.284 million).

r/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.266 million) and decreases Congressional earmarks for Hood Canal Dissolved Oxygen Study (-\$0.2 million), Long-Term Estuary Group (-\$0.4 million), and US-Mexico Transboundary Aquifer Act (-\$1.0 million).

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s/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.578 million).

t/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$1.761 million); an increase for the WaterSMART Program (\$6.4 million); and decreases for Congressional earmarks for Lake Champlain Basin Toxic Materials (-\$0.346 million), Water Monitoring in HI (-\$0.5 million), and Assessment of MD Coastal and Piedmont Aquifer System (-\$0.5 million).

u/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$1.963 million).

v/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.001 million).

w/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$3.014 million); increases for Science Support to FWS/NPS/BLM (\$4.0 million), Increasing Resilience to Natural Hazards initiative (\$0.2 million), and the WaterSMART Program (\$0.5 million); decreases for Congressional earmarks for San Francisco Salt Pond restoration (-\$1.0 million), Conte Anadromous Fish Center (-\$0.22 million), and Invasive Species Protocols in the Columbia River Basin (-\$0.35 million); and decreases for Congressional add-ons for Genetics and Genomics Research (-\$0.75 million) and Tropical Ecosystem & Watershed Health (-\$0.6 million).

x/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.568 million) and decreases that partially reduce Congressional add-ons for National Network of State Conservation Data Agencies (-\$1.428 million) and the National Biological Information Infrastructure (-\$0.2 million).

y/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.170 million).

z/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.286 million) and a decrease for IT Efficiency Gains (-\$2.5 million).

aa/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.182 million) and a decrease for IT Efficiency Gains (-\$1.5 million).

ab/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$0.692 million) and increases for DOI Climate Science Centers (\$8.0 million), Biological Carbon Sequestration Assessment (\$2.0 million), Science Applications & Decision Support (\$1.0 million), and Chesapeake Bay Executive Order (\$3.614 million).

ac/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (\$8.159 million).

ad/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$1.454 million).

ae/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (-\$2.514 million).

af/ The difference between the President's Budget Request and the 2010 Enacted funding is: a DOI-Wide Changes funding adjustment (\$2.5 million).