



U.S. GEOLOGICAL SURVEY

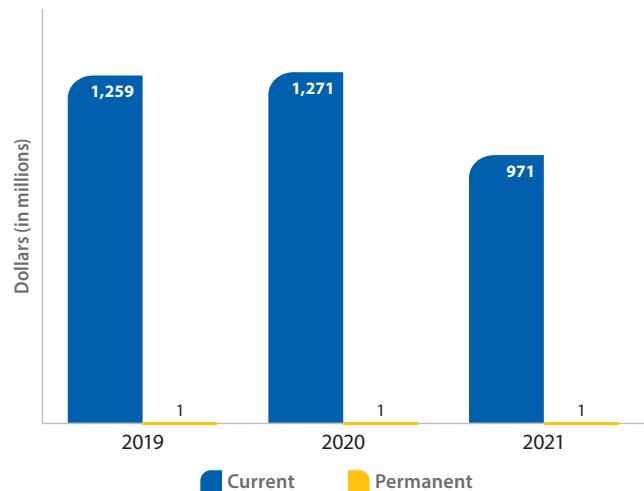
Mission—The U.S. Geological Survey (USGS) serves the Nation by providing scientific information to describe and understand the Earth; minimize loss of life and property from natural disasters; manage water, biological, energy, and mineral resources; and enhance and protect quality of life.

Budget Overview—The 2021 current budget is \$971.2 million. The budget supports energy security, critical mineral independence, natural hazard monitoring, and research to inform resource management. The budget supports nationwide networks of more than 8,400 streamgages and more than 3,000 earthquake sensors. It also supports the ground systems development for the launch of Landsat 9 in 2021. USGS estimates the budget will support staffing of 6,779 full-time equivalents.

Program Overview—USGS delivers information to identify hazards and predict damage from those hazards, guide transportation planning, and inform natural resource management. Research on energy resources, global mineral commodities, and water supports national security and provides information to manage resources. USGS helps to inform stewardship of the Nation’s lands and provides digital land-surface images for research, monitoring, and management of lands and water, agricultural production, and benchmarking for commercial geospatial products and services. USGS characterizes the Nation’s water resources, develops tools for water management, and provides information to minimize loss from hazards.

Budget Structure Changes—The budget proposes structure changes to better address stakeholder priorities.

USGS Funding



Within the Ecosystems activity, the restructure consolidates research spread across five existing programs into three, aligns similar disciplines of research, and focuses on the most pressing resource management issues of Interior and partners. Research from two Land Resources programs is consolidated into the Climate Adaptation Science Center. Species Management Research consolidates science on the recovery of threatened and endangered species, trust species, and species of management concern. Land Management Research consolidates place-based research to support land management decisions. Biological Threats Research consolidates research to combat invasive species, fish diseases, and wildlife diseases that threaten the Nation’s economy and biodiversity.

Within the Water Resources activity, the restructure aligns resources to integrate observation, understanding, prediction, and delivery of water science and information. The Water Resources Availability

- **The U.S. Geological Survey was founded by an Act of Congress in 1879.**
- **It is the Nation's largest water, earth, and biological science and civilian mapping agency.**
- **USGS employs more than 8,000 scientists, technicians, and support staff working in more than 400 locations throughout the United States.**
- **USGS is a primary Federal source of science-based information available to the public, providing data about ecosystem science, energy and mineral resources, natural hazards, water use and availability, and updated maps and images for the Earth's features.**
- **The USGS archives provide free, direct access to air photos dating to 1939 and more than 100 other satellite, cartographic, and topographic datasets characterizing the Earth's surface.**

program will conduct water availability assessments, measure and estimate water budgets, develop models, and conduct interpretive studies related to water quality and availability. The Water Observing Systems program will include ground-water and streamflow monitoring to monitor water quantity and observational networks to monitor sediment, nutrients, and other contaminants that affect water quality.

The budget proposes to shift National Land Imaging, including Landsat satellites and ground systems, to Core Science Systems. It moves land cover monitoring and assessment activities from Land Change Science into the Science Synthesis, Analysis, and Research Subactivity within Core Science Systems.

Ecosystems—The 2021 budget includes \$127.3 million for programs focused on invasive species and wildlife disease, conservation and recovery of species, and biological resource management. The request includes \$40.0 million for Species Management Research to inform Flyway Council harvest allocations; for conflict reduction between wildlife and energy development; and for science supporting species recovery. It provides \$28.5 million for Biological Threats Research, which includes \$5.6 million for Asian carp research. It also includes \$37.9 million for Land Management Research that helps Interior and other land managers better understand habitat management. The budget includes \$20.9 million for the Climate Adaptation Science Center for research with application to

natural resource management, community safety, and economic development. The budget does not request funding for projects that have provided sufficient scientific information to meet Interior's land and species management responsibilities.

Energy and Mineral Resources—The 2021 budget includes \$91.2 million for Energy and Mineral Resources research and assessments. The budget provides \$60.7 million to collect data and conduct research on non-fuel mineral resources, including critical minerals important to economic stability and national security. Critical mineral commodities have important uses in manufacturing and technology, are primarily developed outside the United States, and have no viable substitutes, leaving the Nation vulnerable to disruptions in supplies. The budget supports topographic, geologic, and geophysical data collection to locate critical mineral resources in the United States and inform management of private-sector domestic development. This funding includes \$10.6 million to continue national-scale data acquisition needed to identify critical mineral resources. The budget also includes \$30.5 million to provide assessments of undiscovered, technically recoverable domestic and international energy resources and to understand the potential to diversify the national energy portfolio. This includes work to update assessments of Alaska North Slope oil and gas resource potential.

Natural Hazards—The 2021 budget includes \$138.0 million for scientific information and tools to



USGS assessments locate domestic supplies of critical minerals.

understand and respond to hazards such as volcanoes, earthquakes, and landslides to ultimately reduce potential fatalities, injuries, and property damage. The Earthquake Hazards program is funded at \$60.3 million and prioritizes robust earthquake monitoring and reporting capabilities, including \$8.4 million for operations and maintenance of the existing ShakeAlert Earthquake Early Warning system, in conjunction with State and local partners. The Volcano Hazards program is funded at \$27.6 million to monitor the Nation's volcanoes, provide information about eruptions, and support decisions about evacuations and aircraft diversions due to volcanic ash. It includes \$4.1 million to enhance understanding of the Earth's magnetic field and the effects of electromagnetic pulses and to continue a magnetotelluric survey to provide useful information for energy and mineral development, groundwater management, and electrical grid resiliency. In addition, the budget includes \$5.4 million to operate and maintain the Global Seismographic Network and \$3.6 million

for the Landslide Hazards program, which supports debris-flow hazard assessments, research, and early warning capabilities. The budget also includes \$36.9 million to improve assessments of coastal and marine hazards and resources and potential impacts on offshore operations, coastal communities, and infrastructure.

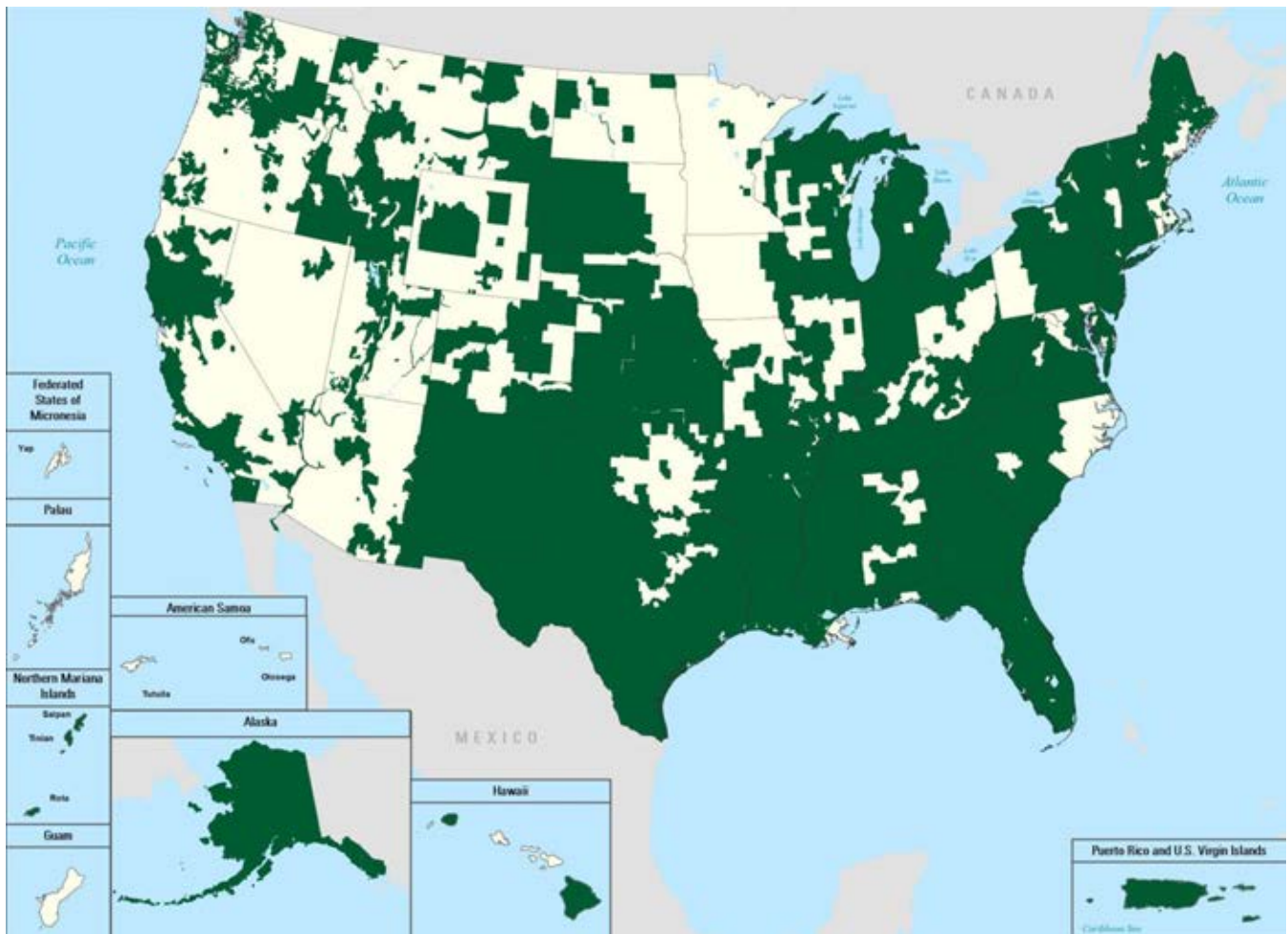
Water Resources—The 2021 budget includes \$180.8 million to collect and deliver hydrologic data, model hydrologic systems, and identify new methods to gather water data. The Water Observing Systems program is funded at \$109.0 million to monitor and analyze water quality samples from the Nation's streams and rivers, maintain the National Stream-gage Network, and develop and improve data and tools. Included in this amount is \$5.5 million for Next Generation Water Observing Systems to provide real-time data on water quantity and quality in ways not currently possible with existing monitoring networks. The budget includes \$71.9 million for the Water Resources Availability program to

assess water availability and use, develop models, and examine how water quality affects water availability. That amount includes \$3.6 million to conduct research addressing Harmful Algal Blooms that affect water supply and recreation opportunities. Within both programs, the budget provides \$58.2 million in cooperative matching funds.

Core Science Systems—The 2021 budget provides \$212.0 million for Core Science Systems, including \$85.9 million for National Land Imaging. That amount includes \$73.4 million for satellite operations, of which \$32.0 million is for development of the Landsat 9 ground system and follow-on satellite activities in collaboration with the National Aeronautics and Space Administration (NASA). Landsat 9 continues a multidecade mission to provide continuous land imaging to support natural resource management and other important uses. The budget includes \$80.1 million for the National

Geospatial Program for high-resolution topographic and hydrographic data needed to manage energy resources, plan transportation and energy infrastructure projects, and improve flood prediction, emergency response, and hazard mitigation. The request continues the collection of high-resolution elevation and hydrography data, including modernization of maps for Alaska and achieving national high-resolution elevation data coverage by 2025. The budget includes \$21.8 million for geologic mapping, in partnership with States, which is needed to support infrastructure development, resource management, and hazard mitigation; and \$24.3 million to support other scientific activities, including land cover monitoring and assessments, high-performance computing, libraries, and analytics.

Science Support—The 2021 budget request includes \$94.2 million for Science Support activities. This



Green reflects areas where high-resolution elevation data were developed through FY 2019.

funding supports the USGS executive, managerial, and accounting activities; information management and technology; and support services. Funding includes \$69.6 million for administration and management and \$24.6 million for information services. Within information services, the budget includes \$2.5 million for modern video teleconferencing to improve the ability of USGS to collaborate across science centers and to work with partners.

Facilities—The 2021 budget includes \$127.6 million to support rent requirements; continue relocating activities at the Menlo Park, CA, campus to Moffett Field, CA; and relocate certain laboratories and personnel in Lakewood, CO, to the Colorado School of Mines campus. These relocations facilitate collaboration with partners, provide access to modern research facilities, and, in the case of Moffett Field, avoid future rent increases.

Management Reforms—The 2021 budget helps to advance several significant management reforms. The budget supports the Administration’s priority workforce goal to incentivize employee performance to better recognize high-performing employee contributions to mission achievement across the bureau. In 2021, the Department proposes to consolidate all agency ethics staffing and funding within the Departmental Ethics Office in the Office of the Solicitor. The 2021 budget therefore assumes a transfer of \$1.1 million and 7 FTEs associated with current bureau ethics activities. The budget also supports operations and maintenance of an enterprisewide grants management and tracking system, GrantSolutions.

Fixed Costs—Fixed costs of \$14.3 million are fully funded.

SUMMARY OF BUREAU APPROPRIATIONS

(all dollar amounts in thousands)

Comparison of 2021 Request with 2020 Enacted

	2020 Enacted		2021 Request		Change	
	FTE	Amount	FTE	Amount	FTE	Amount
Current						
Surveys, Investigations, and Research	4,581	1,270,957	3,754	971,185	-827	-299,772
Subtotal, Current	4,581	1,270,957	3,754	971,185	-827	-299,772
Permanent						
Surveys, Investigations, and Research	0	47	0	47	0	0
Contributed Funds	2	1,097	2	1,097	0	0
Subtotal, Permanent	2	1,144	2	1,144	0	0
Allocation and Reimbursable						
Allocation	20	0	20	0	0	0
Reimbursable	3,003	0	3,003	0	0	0
Subtotal, Reimbursable, Allocation, and Other.....	3,023	0	3,023	0	0	0
TOTAL, U.S. GEOLOGICAL SURVEY	7,606	1,272,101	6,779	972,329	-827	-299,772

HIGHLIGHTS OF BUDGET CHANGES

By Appropriation Activity/Subactivity

APPROPRIATION: Surveys, Investigations, and Research

	2019 Actual	2020 Enacted	2021 Request	Change
<i>Ecosystems (new structure)</i>				
Species Management Research.....	[74,409]	[77,209]	39,993	+39,993
Land Management Research	[60,473]	[56,681]	37,937	+37,937
Biological Threats Research	[31,449]	[36,149]	28,541	+28,541
Climate Adaptation Science Center	[44,488]	[57,488]	20,866	+20,866
Subtotal, Ecosystems.....	[210,819]	[227,527]	127,337	+127,337
<i>Ecosystems (old structure)</i>				
Status and Trends.....	18,373	16,706	0	-16,706
Fisheries Program.....	19,136	22,136	0	-22,136
Wildlife Program	45,257	45,957	0	-45,957
Environments Program	36,415	38,415	0	-38,415
Invasive Species Program	19,330	23,330	0	-23,330
Cooperative Research Units.....	18,371	24,000	0	-24,000
Subtotal, Ecosystems.....	156,882	170,544	0	-170,544
<i>Land Resources (old structure)</i>				
National Land Imaging Program.....	98,894	98,894	0	-98,894
Land Change Science	34,070	29,045	0	-29,045
National and Regional Climate Adaptation Science Centers	25,335	38,335	0	-38,335
Subtotal, Land Resources	158,299	166,274	0	-166,274
<i>Mineral and Energy Resources (new structure)</i>				
Mineral Resources	[58,969]	[59,869]	60,664	+60,664
Energy Resources	[29,972]	[30,172]	30,517	+30,517
Subtotal, Mineral and Energy Resources	[88,941]	[90,041]	91,181	+91,181
<i>Energy and Mineral Resources and Environmental Health (old structure)</i>				
<i>Mineral and Energy Resources</i>				
Mineral Resources	58,969	59,869	0	-59,869
Energy Resources	29,972	30,172	0	-30,172
<i>Environmental Health</i>				
Contaminant Biology	10,197	10,397	0	-10,397
Toxic Substances Hydrology	12,598	13,098	0	-13,098
Subtotal, Energy and Mineral Resources and Environmental Health.....	111,736	113,536	0	-113,536
<i>Natural Hazards</i>				
Earthquake Hazards	83,403	84,903	60,310	-24,593
Volcano Hazards	30,266	30,266	27,611	-2,655
Landslide Hazards	3,538	4,038	3,607	-431
Global Seismographic Network	6,653	7,153	5,397	-1,756
Geomagnetism	1,888	4,000	4,139	+139
Coastal/Marine Hazards and Resources	40,510	40,510	36,935	-3,575
Subtotal, Natural Hazards	166,258	170,870	137,999	-32,871

APPROPRIATION: Surveys, Investigations, and Research (continued)

	2019 Actual	2020 Enacted	2021 Request	Change
<i>Water Resources (new structure)</i>				
Water Resources Availability Program	[98,763]	[102,792]	71,857	+71,857
Water Observing Systems Program.....	[121,045]	[121,328]	108,952	+108,952
Subtotal, Water Resources.....	[219,808]	[224,120]	180,809	+180,809
<i>Water Resources (old structure)</i>				
Water Availability and Use Science Program	45,487	47,487	0	-47,487
Groundwater and Streamflow Information Program	82,673	84,173	0	-84,173
National Water Quality Program.....	91,648	92,460	0	-92,460
Water Resources Research Act Program...	6,500	10,000	0	-10,000
Subtotal, Water Resources.....	226,308	234,120	0	-234,120
<i>Core Science Systems (new structure)</i>				
National Land Imaging Program.....	[106,865]	[106,865]	85,913	+85,913
Science Synthesis, Analysis, and Research Program.....	[25,972]	[25,972]	24,264	+24,264
National Cooperative Geologic Mapping Program	[24,397]	[34,397]	21,757	+21,757
National Geospatial Program.....	[69,454]	[79,454]	80,115	+80,115
Subtotal, Core Science Systems	[226,688]	[246,688]	212,049	+212,049
<i>Core Science Systems (old structure)</i>				
Science Synthesis, Analysis, and Research Program	24,051	24,051	0	-24,051
National Cooperative Geologic Mapping Program	24,397	34,397	0	-34,397
National Geospatial Program.....	69,454	79,454	0	-79,454
Subtotal, Core Science Systems	117,902	137,902	0	-137,902
<i>Science Support</i>				
Information Services	21,947	21,947	24,617	+2,670
Administration and Management	80,881	74,881	69,556	-5,325
Subtotal, Science Support.....	102,828	96,828	94,173	-2,655
<i>Facilities</i>				
Rental Payments and Operations Maintenance	105,219	104,719	116,062	+11,343
Deferred Maintenance and Capital Improvements	15,164	76,164	11,575	-64,589
Subtotal, Facilities.....	120,383	180,883	127,637	-53,246
Supplemental.....	98,500	0	0	0
TOTAL APPROPRIATION	1,259,096	1,270,957	971,185	-299,772

APPROPRIATION: Surveys, Investigations, and Research (continued)

Detail of Budget Changes

	2021 Change from 2020 Enacted		2021 Change from 2020 Enacted
TOTAL APPROPRIATION	-299,772	Biological Threats Research	+28,541
Surveys, Investigations, and Research.....	-299,772	Transfers	
Ecosystems (new structure).....	+127,337	from Ecosystems (old structure),	
Species Management Research.....	+39,993	Fisheries.....	+3,346
Transfers		from Ecosystems (old structure),	
from Ecosystems (old structure),		Wildlife	+9,473
Status and Trends.....	+11,090	from Ecosystems (old structure),	
from Ecosystems (old structure),		Invasive Species.....	+23,330
Fisheries.....	+13,250	Asian Carp	-5,000
from Ecosystems (old structure),		Chronic Wasting Disease	-1,000
Wildlife	+24,208	Coral Disease	-400
from Ecosystems (old structure),		Greater Everglades Invasive Species..	-821
Environments.....	+5,166	White Nose Syndrome	-904
from Environmental Health		Fixed Costs.....	+517
(old structure).....	+23,495	Climate Adaptation Science Center	+20,866
Arctic.....	-3,600	Transfers	
Environmental Health Programs	-23,295	from Land Resources (old structure),	
Great Lakes		Land Change Science Program ...	+19,153
Assessment Tools		from Land Resources (old structure),	
and Technology	-3,000	National & Regional Climate	
Deepwater Monitoring.....	-2,200	Adaptation Science Centers.....	+38,335
Harmful Algal Blooms	+500	Arctic.....	-528
Integrated Sensor Grants	-250	Climate Research and Development..	-6,125
Museum Collections.....	-500	Landscape Science	-2,213
Species-Specific Projects	-5,886	Midwest Climate Science Center	-4,000
Fixed Costs.....	+1,015	Realign Climate Adaptation Science	
Land Management Research.....	+37,937	Centers.....	-23,806
Transfers		Tribal Climate Adaptation Science....	-500
from Ecosystems (old structure),		Fixed Costs.....	+550
Status and Trends.....	+5,616	Ecosystems (old structure)	-170,544
from Ecosystems (old structure),		Status and Trends	-16,706
Fisheries.....	+5,540	Transfers	
from Ecosystems (old structure),		to Ecosystems (new structure), Land	
Wildlife	+12,276	Management Research	-5,616
from Ecosystems (old structure),		to Ecosystems (new structure),	
Environments.....	+33,249	Species Management Research ...	-11,090
California Bay-Delta	-1,679	Fisheries	-22,136
Chesapeake Bay	-5,700	Transfers	
Colorado Plateau.....	-406	to Ecosystems (new structure),	
Contaminants	-1,316	Biological Threats Research.....	-3,346
Everglades.....	-5,850	to Ecosystems (new structure), Land	
Habitat Projects	-1,329	Management Research	-5,540
Land and Water Management		to Ecosystems (new structure),	
Projects.....	-1,695	Species Management Research ...	-13,250
Platte River.....	-199	Wildlife.....	-45,957
Wyoming Landscape Conservation		Transfers	
Initiative.....	-1,297	to Ecosystems (new structure),	
Fixed Costs.....	+727	Biological Threats Research	-9,473
		to Ecosystems (new structure), Land	
		Management Research	-12,276

APPROPRIATION: Surveys, Investigations, and Research (continued)

Detail of Budget Changes

	2021 Change from 2020 Enacted		2021 Change from 2020 Enacted
to Ecosystems (new structure), Species Management Research ...	-24,208	Mineral Resources	-59,869
Environments	-38,415	Transfer to Mineral and Energy Resources (new structure), Mineral Resources	-59,869
Transfers		Energy Resources	-30,172
to Ecosystems (new structure), Land Management Research	-33,249	Transfer to Mineral and Energy Resources (new structure), Energy Resources	-30,172
to Ecosystems (new structure), Species Management Research ...	-5,166	Environmental Health	-23,495
Invasive Species	-23,330	Transfer to Ecosystems (new structure), Species Management Research	-23,495
Transfer to Ecosystems (new structure), Biological Threats Research	-23,330	Natural Hazards	-32,871
Cooperative Research Units	-24,000	Earthquake Hazards	-24,593
Land Resources (old structure)	-166,274	Advanced National Seismic System	
National Land Imaging	-98,894	Deferred Maintenance	-2,000
Transfer to Core Science Systems (new structure), National Land Imaging	-98,894	Staffing	-1,200
Land Change Science	-29,045	Earthscope Stations	-3,000
Transfers		Seismic Networks	-1,800
to Core Science Systems (new structure), National Land Imaging	-7,971	ShakeAlert	-17,229
to Core Science Systems (new structure), Science Synthesis, Analysis, and Research	-1,921	Fixed Costs	+636
to Ecosystems (new structure), Climate Adaptation Science Center	-19,153	Volcano Hazards	-2,655
National and Regional Climate Adaptation Science Centers	-38,335	Cooperative Agreement Awards	-476
Transfer to Ecosystems (new structure), Climate Adaptation Science Center	-38,335	Next Generation Lahar Detection System	-2,145
Mineral and Energy Resources (new structure)	+91,181	Volcanic Ash Models	-463
Mineral Resources	+60,664	Fixed Costs	+429
Transfer from Energy and Mineral Resources and Environmental Health (old structure), Mineral Resources	+59,869	Landslide Hazards	-431
Fixed Costs	+795	Hazards Assessment	-484
Energy Resources	+30,517	Fixed Costs	+53
Transfer from Energy and Mineral Resources and Environmental Health (old structure), Energy Resources	+30,172	Global Seismographic Network	-1,756
Fixed Costs	+345	Station Upgrades	-1,792
Energy and Mineral Resources and Environmental Health (old structure)	-113,536	Fixed Costs	+36
		Geomagnetism	+139
		Observatory Operations	+114
		Fixed Costs	+25
		Coastal/Marine Hazards and Resources	-3,575
		Characterizing Marine Hazards and Resources	-1,967
		Data Delivery	-490
		Ecosystem Health and Sustainability Assessment	-1,657
		Fixed Costs	+539
		Water Resources (new structure)	+180,809
		Water Resources Availability Program (new structure)	+71,857
		Transfers	

APPROPRIATION: Surveys, Investigations, and Research (continued)

Detail of Budget Changes

	2021 Change from <u>2020 Enacted</u>		2021 Change from <u>2020 Enacted</u>
from Water Resources (<i>old structure</i>), Groundwater and Streamflow Information	+1,500	Water Science Research and Development	-2,102
from Water Resources (<i>old structure</i>), National Water Quality Program.....	+53,805	Fixed Costs.....	+1,532
from Water Resources (<i>old structure</i>), Water Availability and Use Science.....	+47,487	Water Resources (<i>old structure</i>)	-234,120
Aquifer Assessments		Water Availability and Use Science.....	-47,487
Mississippi Alluvial Plain	-6,000	Transfer to Water Resources (<i>new structure</i>), Water Resources Availability Program	-47,487
U.S.-Mexico Transboundary.....	-1,000	Groundwater and Streamflow Information.....	-84,173
Cooperative Matching Funds		Transfers	
Base Awards	-606	to Water Resources (<i>new structure</i>), Water Observing Systems Program	-82,673
Water Use Research	-1,000	to Water Resources (<i>new structure</i>), Water Resources Availability Program	-1,500
Harmful Algal Blooms	-1,348	National Water Quality Program	-92,460
National Park Service Water-Quality Partnership.....	-1,743	Transfers	
Regional Groundwater Evaluations...	-303	to Water Resources (<i>new structure</i>), Water Observing Systems Program	-38,655
Regional Water Quality Assessments.....	-4,100	to Water Resources (<i>new structure</i>), Water Resources Availability Program	-53,805
Shallow and Fractured Bedrock Groundwater Research.....	-300	Water Resources Research Act Program.....	-10,000
Transboundary Rivers Water Quality Assessment.....	-1,500	Core Science Systems (<i>new structure</i>)	+212,049
Water Quality Trends.....	-458	National Land Imaging	+85,913
Water Science Research and Development	-12,368	Transfers	
Water Use Data and Research.....	-1,500	from Land Resources (<i>old structure</i>), Land Change Science.....	+7,971
Fixed Costs.....	+1,291	from Land Resources (<i>old structure</i>), National Land Imaging	+98,894
Water Observing Systems Program.....	+108,952	Land Cover Monitoring Assessment Projects.....	-1,629
Transfers		Remote Sensing State Grants	-1,215
from Water Resources (<i>old structure</i>), Groundwater and Streamflow Information	+82,673	Research and Investigations.....	-7,556
from Water Resources (<i>old structure</i>), National Water Quality Program	+38,655	Satellite Operations	-10,905
Cooperative Matching Funds.....	-2,365	Fixed Costs.....	+353
Groundwater Quality Monitoring Networks.....	-930	Science Synthesis, Analysis, and Research	+24,264
High Plains Aquifer Assessment	-80	Transfers	
National Atmospheric Deposition Program	-1,576	from Core Science Systems (<i>old structure</i>), Science Synthesis, Analysis, and Research.....	+24,051
National Groundwater Monitoring Network.....	-2,395	from Land Resources (<i>old structure</i>), Land Change Science.....	+1,921
Next Generation Water Observing System.....	-2,960	USGS Library.....	-1,930
U.S.-Canada Transboundary Streamgages.....	-1,500	Fixed Costs.....	+222

APPROPRIATION: Surveys, Investigations, and Research (continued)

Detail of Budget Changes

	2021 Change from <u>2020 Enacted</u>		2021 Change from <u>2020 Enacted</u>
National Cooperative Geologic Mapping.....	+21,757	Science Support	-2,655
Transfer from Core Science Systems (old structure), National Cooperative Geologic Mapping	+34,397	Information Services	+2,670
Projects	-2,928	Virtual Telecommunications Modernization	+2,500
Phase 3 of National Geologic Map Database	-10,000	Fixed Costs.....	+170
Fixed Costs.....	+288	Administration and Management.....	-5,325
National Geospatial Program	+80,115	Program Operations	-5,572
Transfer from Core Science Systems (old structure), National Geospatial Program.....	+79,454	Transfer Ethics Program to Solicitor..	-1,094
Fixed Costs.....	+661	Fixed Costs.....	+1,341
Core Science Systems (old structure).....	-137,902	Facilities	-53,246
Science Synthesis, Analysis, and Research	-24,051	Rental Payments and Operations and Maintenance.....	+11,343
Transfer to Core Science Systems (new structure), Science Synthesis, Analysis, and Research	-24,051	Rent Costs	+8,602
National Cooperative Geologic Mapping Program	-34,397	Fixed Costs.....	+2,741
Transfer to Core Science Systems (old structure), National Cooperative Geologic Mapping	-34,397	Deferred Maintenance and Capital Improvements	-64,589
National Geospatial Program	-79,454	Facilities Modernization and Recapitalization	-64,500
Transfer to Core Science Systems (new structure), National Geospatial Program.....	-79,454	Projects	-3,689
		Space Consolidation and Modernization at the Colorado School of Mines	+3,600
		Subtotals for Changes Across Multiple Subactivities	
		Fixed Costs	[+14,266]