

AMENDMENTS

2009—Subsec. (a)(1). Pub. L. 111–11, § 11001(g)(1), substituted “geologic-map” for “geologic map”.

Subsec. (a)(2)(A). Pub. L. 111–11, § 11001(g)(2), added subpar. (A) and struck out former subpar. (A) which read as follows: “all maps developed under the Federal component and the education component;”.

1999—Pub. L. 106–148 substituted “geologic map database” for “geologic-map data base” in section catchline, added subsec. (a), and struck out heading and text of former subsec. (a). Text read as follows: “The Survey shall establish a national geologic-map data base. Such data base shall be a national archive that includes all maps developed pursuant to sections 31a to 31h of this title, the data bases developed pursuant to the investigations under sections 31c(d)(2)(C), (D), (E), and (F) of this title, and other maps and data as the Survey deems appropriate.”

1997—Subsec. (b). Pub. L. 105–36 added subsec. (b) and struck out heading and text of former subsec. (b). Text read as follows: “Geologic maps contributed to the national archives should have standardized format, symbols, and technical attributes so that archival information can be assimilated, manipulated, accessed, exchanged, and compared efficiently and accurately.”

§ 31g. Biennial report

Not later than 3 years after March 30, 2009, and biennially thereafter, the Secretary shall submit to the Committee on Resources of the House of Representatives and the Committee on Energy and Natural Resources of the Senate a report that—

(1) describes the status of the national geologic mapping program;

(2) describes and evaluates the progress achieved during the preceding 2 years in developing the national geologic map database; and

(3) includes any recommendations that the Secretary may have for legislative or other action to achieve the purposes of sections 31c through 31f of this title.

(Pub. L. 102–285, § 8, as added Pub. L. 106–148, § 8, Dec. 9, 1999, 113 Stat. 1724; amended Pub. L. 111–11, title XI, § 11001(h), Mar. 30, 2009, 123 Stat. 1415.)

PRIOR PROVISIONS

A prior section 31g, Pub. L. 102–285, § 8, May 18, 1992, 106 Stat. 171; Pub. L. 103–437, § 16(a)(1), Nov. 2, 1994, 108 Stat. 4594; Pub. L. 105–36, § 3(f), Aug. 5, 1997, 111 Stat. 1111; Pub. L. 105–362, title IX, § 902(b), Nov. 10, 1998, 112 Stat. 3291, directed the Secretary to submit a biennial report to Congress describing the status of the nationwide geologic mapping program and evaluating the progress achieved during the preceding fiscal year in developing the national geologic-map data base, prior to repeal by Pub. L. 106–148, § 8, Dec. 9, 1999, 113 Stat. 1724.

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2009—Pub. L. 111–11 substituted “Not later than 3 years after March 30, 2009, and biennially” for “Not later 3 years after December 9, 1999, and biennially”.

CHANGE OF NAME

Committee on Resources of House of Representatives changed to Committee on Natural Resources of House of Representatives by House Resolution No. 6, One Hundred Tenth Congress, Jan. 5, 2007.

§ 31h. Authorization of appropriations**(a) In general**

There is authorized to be appropriated to carry out sections 31a to 31h of this title

\$64,000,000 for each of fiscal years 2009 through 2023.

(b) Allocation of appropriations

Of any amounts appropriated for any fiscal year in excess of the amount appropriated for fiscal year 2005—

(1) 50 percent shall be available for the State component; and

(2) 4 percent shall be available for the education component.

(Pub. L. 102–285, § 9, as added Pub. L. 106–148, § 9, Dec. 9, 1999, 113 Stat. 1724; amended Pub. L. 111–11, title XI, § 11001(i), Mar. 30, 2009, 123 Stat. 1416; Pub. L. 116–9, title V, § 5002(a)(1), Mar. 12, 2019, 133 Stat. 768.)

REFERENCES IN TEXT

Sections 31a to 31h of this title, referred to in subsec. (a), was in the original “this Act”, meaning Pub. L. 102–285, known as the National Geologic Mapping Act of 1992, which is classified principally to sections 31a to 31h of this title. For complete classification of this Act to the Code, see Short Title note set out under section 31a of this title and Tables.

PRIOR PROVISIONS

A prior section 31h, Pub. L. 102–285, § 9, May 18, 1992, 106 Stat. 171; Pub. L. 105–36, § 3(g), Aug. 5, 1997, 111 Stat. 1111, authorized appropriations for the national cooperative geologic mapping program, prior to repeal by Pub. L. 106–148, § 9, Dec. 9, 1999, 113 Stat. 1724.

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2019—Subsec. (a). Pub. L. 116–9 substituted “2023” for “2018”.

2009—Subsec. (a). Pub. L. 111–11, § 11001(i)(1), added subsec. (a) and struck out former subsec. (a) which appropriated funds to carry out sections 31a to 31h of this title for fiscal years 1999 to 2005.

Subsec. (b). Pub. L. 111–11, § 11001(i)(2)(A), substituted “2005” for “2000” in introductory provisions.

Subsec. (b)(1). Pub. L. 111–11, § 11001(i)(2)(B), substituted “50” for “48”.

Subsec. (b)(2). Pub. L. 111–11, § 11001(i)(2)(C), which directed amendment of par. (2) “by striking 2 and inserting ‘4’”, was executed by substituting “4” for “2”, to reflect the probable intent of Congress.

§ 31i. Report on resource research activities

Once every five years the National Academy of Sciences shall review and report on the resource research activities of the Survey.

(Pub. L. 104–134, title I, § 101(c) [title I], Apr. 26, 1996, 110 Stat. 1321–156, 1321–165; renumbered title I, Pub. L. 104–140, § 1(a), May 2, 1996, 110 Stat. 1327.)

§ 31j. Biological research activity of Survey; review and report by National Academy of Sciences

Beginning in fiscal year 1998 and once every five years thereafter, the National Academy of Sciences shall review and report on the biological research activity of the Survey.

(Pub. L. 104–208, div. A, title I, § 101(d) [title I], Sept. 30, 1996, 110 Stat. 3009–181, 3009–189.)

§ 31k. National Volcano Early Warning and Monitoring System**(a) Definitions**

In this section:

(1) Secretary

The term “Secretary” means the Secretary, acting through the Director of the United States Geological Survey.

(2) System

The term “System” means the National Volcano Early Warning and Monitoring System established under subsection (b)(1)(A).

(b) National Volcano Early Warning and Monitoring System**(1) Establishment****(A) In general**

The Secretary shall establish within the United States Geological Survey a system, to be known as the “National Volcano Early Warning and Monitoring System”, to monitor, warn, and protect citizens of the United States from undue and avoidable harm from volcanic activity.

(B) Purposes

The purposes of the System are—

(i) to organize, modernize, standardize, and stabilize the monitoring systems of the volcano observatories in the United States, which includes the Alaska Volcano Observatory, California Volcano Observatory, Cascades Volcano Observatory, Hawaiian Volcano Observatory, and Yellowstone Volcano Observatory; and

(ii) to unify the monitoring systems of volcano observatories in the United States into a single interoperative system.

(C) Objective

The objective of the System is to monitor all the volcanoes in the United States at a level commensurate with the threat posed by the volcanoes by—

(i) upgrading existing networks on monitored volcanoes;

(ii) installing new networks on unmonitored volcanoes; and

(iii) employing geodetic and other components when applicable.

(2) System components**(A) In general**

The System shall include—

(i) a national volcano watch office that is operational 24 hours a day and 7 days a week;

(ii) a national volcano data center; and

(iii) an external grants program to support research in volcano monitoring science and technology.

(B) Modernization activities

Modernization activities under the System shall include the comprehensive application of emerging technologies, including digital broadband seismometers, real-time continuous Global Positioning System receivers, satellite and airborne radar interferometry, acoustic pressure sensors, and spectrometry to measure gas emissions.

(3) Management**(A) Management plan****(i) In general**

Not later than 180 days after March 12, 2019, the Secretary shall submit to Con-

gress a 5-year management plan for establishing and operating the System.

(ii) Inclusions

The management plan submitted under clause (i) shall include—

(I) annual cost estimates for modernization activities and operation of the System;

(II) annual milestones, standards, and performance goals; and

(III) recommendations for, and progress towards, establishing new, or enhancing existing, partnerships to leverage resources.

(B) Advisory committee

The Secretary shall establish an advisory committee to assist the Secretary in implementing the System, to be comprised of representatives of relevant agencies and members of the scientific community, to be appointed by the Secretary.

(C) Partnerships

The Secretary may enter into cooperative agreements with institutions of higher education and State agencies designating the institutions of higher education and State agencies as volcano observatory partners for the System.

(D) Coordination

The Secretary shall coordinate the activities under this section with the heads of relevant Federal agencies, including—

(i) the Secretary of Transportation;

(ii) the Administrator of the Federal Aviation Administration;

(iii) the Administrator of the National Oceanic and Atmospheric Administration; and

(iv) the Administrator of the Federal Emergency Management Agency.

(4) Annual report

Annually, the Secretary shall submit to Congress a report that describes the activities carried out under this section.

(c) Funding**(1) Authorization of appropriations**

There is authorized to be appropriated to carry out this section \$55,000,000 for the period of fiscal years 2019 through 2023.

(2) Effect on other sources of Federal funding

Amounts made available under this subsection shall supplement, and not supplant, Federal funds made available for other United States Geological Survey hazards activities and programs.

(Pub. L. 116-9, title V, § 5001, Mar. 12, 2019, 133 Stat. 766.)

DEFINITION OF “SECRETARY”

Secretary means the Secretary of the Interior, see section 2 of Pub. L. 116-9, set out as a note under section 1 of this title.

§ 32. Acting Director

The Secretary of the Interior may authorize one of the geologists to act as Director of the