

(i) the causes, mechanisms, triggers, hydrology, and geology of landslides;

(ii) ways to reduce landslide hazards and risks to minimize loss of life and property, including landslide hazard and risk communication, perception, decisionmaking, tools, and technologies; and

(iii) other goals and priorities of the national strategy established under subsection (b)(2)(A).

(B) Eligible entities

The Director shall determine whether an entity is eligible to receive a grant under this paragraph.

(C) Requirements

In providing grants under this paragraph, the Director shall—

(i) ensure that the grants are provided on a competitive basis;

(ii) consider grant applications submitted by eligible entities that have developed the application in partnership with 1 or more State geological surveys; and

(iii) publish on a publicly available website a description of—

(I) the grants; and

(II) the findings made from those grants.

(f) Biennial report

Through calendar year 2030, the Secretary shall submit to Congress a biennial report, including a description of, with respect to the 2-calendar-year period preceding the date of the report—

(1) the goals and accomplishments of the Committee in carrying out the national strategy developed under subsection (b)(2);

(2) the results of the activities of the Committee under this section; and

(3) the extent to which any recommendations of the Advisory Committee under subsection (d)(3)(A) have been implemented.

(g) Significant events

Not later than 1 year after a significant landslide event in the United States (including territories) occurs, the Secretary shall publish on a publicly available website—

(1) a description of the landslide event and the implications of the event on communities, including life and property;

(2) recommendations on how the identification of the landslide risk could have been improved prior to the event;

(3) a description of the effectiveness of any warning and risk communication, including the dissemination of warnings by State, territorial, local, and Tribal partners in the affected area;

(4) recommendations to improve risk identification, reduction, and communication to landowners and units of local government;

(5) recommendations to improve landslide hazard preparedness and emergency response activities under this section; and

(6) such other findings as the Secretary determines appropriate.

(h) Funding

For each of fiscal years 2021 through 2024—

(1) there is authorized to be appropriated to the United States Geological Survey, \$25,000,000 to carry out this section;

(2) there is authorized to be appropriated to the National Science Foundation, \$11,000,000 to carry out this section; and

(3) there is authorized to be appropriated to the National Oceanic and Atmospheric Administration, \$1,000,000 to carry out this section.

(i) Derivation of funds

Funds to carry out the activities under this section shall be derived from amounts authorized to be appropriated that are enacted after the date of the enactment of this section.

(Pub. L. 116-323, §3, Jan. 5, 2021, 134 Stat. 5076.)

§ 3103. Ground subsidence

As the Secretary determines to be appropriate and subject to appropriations, the Secretary, through existing programs, shall advance the identification, mapping, research, and monitoring of subsidence and groundwater resource accounting, particularly in areas affected by drought.

(Pub. L. 116-323, §4, Jan. 5, 2021, 134 Stat. 5081.)

§ 3104. 3D elevation program

(a) Establishment of 3D Elevation Program

(1) In general

The Secretary shall establish a program, to be known as the “3D Elevation Program”—

(A) to provide 3D elevation data coverage for the United States;

(B) to coordinate and facilitate the collection, dissemination, and use of 3D elevation data among Federal departments and agencies and non-Federal entities;

(C) to produce standard, publicly accessible 3D elevation data products for the United States; and

(D) to promote the collection, dissemination, and use of 3D elevation data among Federal, State, local, and Tribal governments, communities, institutions of higher education, and the private sector through—

(i) cooperative agreements;

(ii) the development and maintenance of spatial data infrastructure to provide quality control and deliver to the public 3D elevation data products;

(iii) in coordination with the 3D Elevation Federal Interagency Coordinating Committee established under subsection (b), States, and industry and standards bodies, the development of standards and guidelines for 3D elevation data acquisition to increase accessibility to 3D elevation data in a standard, easy-to-use format; and

(iv) the identification, assessment, and adoption of emerging technologies to improve the accuracy and efficiency of the 3D Elevation Program.

(2) Management

(A) In general

The Secretary shall manage the 3D Elevation Program—

- (i) to ensure efficiency with respect to related activities of the Department of the Interior and other participating Federal departments and agencies; and
- (ii) to meet the needs of Department of the Interior programs, stakeholders, and the public.

(B) Other Federal departments and agencies

The head of each Federal department and agency involved in the acquisition, production, distribution, or application of 3D elevation data shall—

- (i) coordinate with the 3D Elevation Federal Interagency Coordinating Committee established under subsection (b) to acquire additional, enhanced 3D elevation data;
- (ii) submit to the Secretary a description of priority areas of interest for 3D elevation data collection for use in providing grants and cooperative agreements under subsection (d);
- (iii) implement policies and procedures for data acquisition and sharing that are consistent with standards and guidelines developed under the 3D Elevation Program;
- (iv) participate in, and share the results and benefits of, the 3D Elevation Program, in accordance with standards and guidelines developed under the 3D Elevation Program; and
- (v) ensure that any 3D elevation data acquired with Federal grant funding—
 - (I) meets 3D Elevation Program standards; and
 - (II) is included in the national holdings of those data.

(b) 3D Elevation Federal Interagency Coordinating Committee

(1) Establishment

The Secretary, in coordination with the Secretary of Commerce and the Secretary of Homeland Security, shall establish an interagency coordinating committee, to be known as the “3D Elevation Federal Interagency Coordinating Committee” (referred to in this subsection as the “Committee”), to better coordinate 3D elevation data management across the Federal Government.

(2) Membership

The Committee shall be composed of the following members (or their designees):

- (A) The Secretary, who shall serve as Chairperson of the Committee.
- (B) The Secretary of Agriculture.
- (C) The Secretary of Commerce.
- (D) The Secretary of Homeland Security.
- (E) The Director of the National Science Foundation.
- (F) The Director of the Office of Science and Technology Policy.
- (G) The Director of the Office of Management and Budget.
- (H) The head of any other Federal department or agency, at the request of the Secretary.

(3) Coordination

The Committee shall coordinate, as appropriate, with the existing activities of—

- (A) the 3D Elevation Program Executive Forum;
- (B) the Alaska Mapping Executive Committee;
- (C) the 3D Elevation Working Group;
- (D) the 3D National Elevation Subcommittee; and
- (E) State offices.

(4) Meetings

The Committee shall meet at the call of the Chairperson.

(5) Duties

The Committee shall—

- (A) oversee the planning, management, and coordination of the 3D Elevation Program; and
- (B) develop, by not later than 1 year after January 5, 2021, and update periodically thereafter—
 - (i) a strategic plan that establishes goals and priorities for activities carried out under the 3D Elevation Program; and
 - (ii) a detailed management plan to implement the strategic plan.

(c) Subcommittee of National Geospatial Advisory Committee

(1) Establishment

(A) In general

The Secretary shall establish, within the National Geospatial Advisory Committee, a subcommittee (referred to in this subsection as the “Subcommittee”).

(B) Membership

The Subcommittee shall—

- (i) consist of not fewer than 11 members, of whom none may be a Federal officer or employee; and
- (ii) include representatives of—
 - (I) research and academic institutions;
 - (II) industry standards development organizations;
 - (III) units of State and local government; and
 - (IV) the private sector.

(2) Duties

(A) Assessment

The Subcommittee shall conduct an assessment of—

- (i) trends and developments in—
 - (I) the collection, dissemination, and use of 3D elevation data; and
 - (II) science and technology relating to 3D elevation data;
- (ii) the effectiveness of the 3D Elevation Program in carrying out the activities described in subsection (a)(1);
- (iii) the need to revise or reorganize the 3D Elevation Program; and
- (iv) the management, coordination, implementation, and activities of the 3D Elevation Program.

(B) Report

Not later than 1 year after January 5, 2021, and every 2 years thereafter, the Subcommittee shall submit to the Secretary and the 3D Elevation Federal Interagency

Coordinating Committee established under subsection (b) a report that includes—

- (i) the findings of the assessment under subparagraph (A); and
- (ii) recommendations of the Subcommittee based on those findings, if any.

(d) Grants and cooperative agreements

(1) In general

The Secretary may make grants and enter into cooperative agreements with other Federal departments and agencies, units of State, local, or Tribal government, institutions of higher education, nonprofit research institutions, or other organizations to facilitate the improvement of nationwide coverage of 3D elevation data.

(2) Applications

To be eligible to receive a grant or enter into a cooperative agreement under this subsection, an entity described in paragraph (1) shall submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require.

(3) Terms and conditions

A grant or cooperative agreement under this subsection shall be subject to such terms and conditions as the Secretary determines to be appropriate, including making data publically available and interoperable with other Federal datasets.

(e) Funding

For each of fiscal years 2021 through 2024, there is authorized to be appropriated to the Secretary \$40,000,000 to carry out this section.

(f) Derivation of funds

Funds to carry out the activities under this section shall be derived from amounts authorized to be appropriated to the Secretary that are enacted after January 5, 2021.

(Pub. L. 116-323, § 5, Jan. 5, 2021, 134 Stat. 5081.)

**CHAPTER 50—WESTERN WATER
INFRASTRUCTURE**

Sec.	
3201.	Authorizations of appropriations.
3202.	Water storage, groundwater storage, and conveyance projects.
3203.	Small water storage and groundwater storage projects.
3204.	Critical maintenance and repair.
3205.	Competitive grant program for large-scale water recycling and reuse program.
3206.	Drought contingency plan funding requirements.
3207.	Multi-benefit projects to improve watershed health.
3208.	Federal assistance for groundwater recharge, aquifer storage, and water source substitution projects.

§ 3201. Authorizations of appropriations

There are authorized to be appropriated to the Secretary of the Interior, acting through the Commissioner of Reclamation (referred to in this chapter as the “Secretary”), for the period of fiscal years 2022 through 2026—

- (1) \$1,150,000,000 for water storage, groundwater storage, and conveyance projects in ac-

cordance with section 3202 of this title, of which \$100,000,000 shall be made available to provide grants to plan and construct small surface water and groundwater storage projects in accordance with section 3203 of this title;

(2) \$3,200,000,000 for the Aging Infrastructure Account established by subsection (d)(1) of section 510b of this title, to be made available for activities in accordance with that subsection, including major rehabilitation and replacement activities, as identified in the Asset Management Report of the Bureau of Reclamation dated April 2021, of which—

(A) \$100,000,000 shall be made available for Bureau of Reclamation reserved or transferred works that have suffered a critical failure, in accordance with section 3204(a) of this title; and

(B) \$100,000,000 shall be made available for the rehabilitation, reconstruction, or replacement of a dam in accordance with section 3204(b) of this title;

(3) \$1,000,000,000 for rural water projects that have been authorized by an Act of Congress before July 1, 2021, in accordance with the Reclamation Rural Water Supply Act of 2006 (43 U.S.C. 2401 et seq.);

(4) \$1,000,000,000 for water recycling and reuse projects, of which—

(A) \$550,000,000 shall be made available for water recycling and reuse projects authorized in accordance with the Reclamation Wastewater and Groundwater Study and Facilities Act (43 U.S.C. 390h et seq.) that are—

(i) authorized or approved for construction funding by an Act of Congress before November 15, 2021; or

(ii) selected for funding under the competitive grant program authorized pursuant to section 1602(f) of the Reclamation Wastewater and Groundwater Study and Facilities Act (43 U.S.C. 390h(f)), with funding under this subparagraph to be provided in accordance with that section, notwithstanding section 4013 of the Water Infrastructure Improvements for the Nation Act (43 U.S.C. 390b note; Public Law 114-322), except that section 1602(g)(2) of the Reclamation Wastewater and Groundwater Study and Facilities Act (43 U.S.C. 390h(g)(2)) shall not apply to amounts made available under this subparagraph; and

(B) \$450,000,000 shall be made available for large-scale water recycling and reuse projects in accordance with section 3205 of this title;

(5) \$250,000,000 for water desalination projects and studies authorized in accordance with the Water Desalination Act of 1996 (42 U.S.C. 10301 note; Public Law 104-298) that are—

(A) authorized or approved for construction funding by an Act of Congress before July 1, 2021; or

(B) selected for funding under the program authorized pursuant to section 4(a) of the Water Desalination Act of 1996 (42 U.S.C. 10301 note; Public Law 104-298), with funding