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IN THE SENATE OF THE UNITED STATES

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## AN ACT

To establish a national program to identify and reduce losses from landslide hazards, to establish a national 3D Elevation Program, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “National Landslide  
3 Preparedness Act”.

4 **SEC. 2. DEFINITIONS.**

5 In this Act:

6 (1) 3D.—The term “3D” means 3-dimensional.

7 (2) 3D ELEVATION DATA.—

8 (A) IN GENERAL.—The term “3D ele-  
9 vation data” means 3D, high-resolution data  
10 obtained using LiDAR, IfSAR, or other meth-  
11 ods over the United States (including territories  
12 and freely associated states).

13 (B) INCLUSIONS.—The term “3D elevation  
14 data” includes terrestrial and bathymetric ele-  
15 vation data.

16 (3) 3D ELEVATION PROGRAM.—The term “3D  
17 Elevation Program” means the 3D Elevation Pro-  
18 gram established under section 5(a).

19 (4) FREELY ASSOCIATED STATES.—The term  
20 “freely associated states” means—

21 (A) the Federated States of Micronesia;

22 (B) the Republic of the Marshall Islands;

23 and

24 (C) the Republic of Palau.

25 (5) IfSAR.—The term “IfSAR” means  
26 interferometric synthetic aperture radar.

1           (6) INDIAN TRIBE.—The term “Indian tribe”  
2           has the meaning given the term in section 4 of the  
3           Indian Self-Determination and Education Assistance  
4           Act (25 U.S.C. 5304).

5           (7) LAHAR.—The term “lahar” means a large  
6           debris flow of mostly volcanic material that is—

7                   (A) often fast-moving; and

8                   (B) a hazard in watersheds downstream of  
9           volcanic peaks.

10          (8) LIDAR.—The term “LiDAR” means light  
11          detection and ranging.

12          (9) SECRETARY.—The term “Secretary” means  
13          the Secretary of the Interior, acting through the Di-  
14          rector of the United States Geological Survey.

15          (10) STATE.—The term “State” means—

16                   (A) a State; and

17                   (B) the District of Columbia.

18          (11) STATE OFFICE.—The term “State office”  
19          means any unit of State government that handles  
20          the identification, mapping, assessment, and re-  
21          search of landslide hazards or responding to land-  
22          slide events, including—

23                   (A) a State geological survey office;

24                   (B) a State department of emergency re-  
25          sponse; and

1 (C) a State department of transportation.

2 (12) TERRITORY.—The term “territory”  
3 means—

4 (A) the Commonwealth of Puerto Rico;

5 (B) Guam;

6 (C) American Samoa;

7 (D) the Commonwealth of the Northern  
8 Mariana Islands; and

9 (E) the United States Virgin Islands.

10 **SEC. 3. NATIONAL LANDSLIDE HAZARDS REDUCTION PRO-**  
11 **GRAM.**

12 (a) ESTABLISHMENT.—The Secretary shall establish  
13 a program, to be known as the “National Landslide Haz-  
14 ards Reduction Program” (referred to in this section as  
15 the “program”)—

16 (1) to identify and understand landslide haz-  
17 ards and risks;

18 (2) to reduce losses from landslides;

19 (3) to protect communities at risk of landslide  
20 hazards; and

21 (4) to help improve communication and emer-  
22 gency preparedness, including by coordinating with  
23 communities and entities responsible for infrastruc-  
24 ture that are at risk of landslide hazards.

25 (b) DESCRIPTION OF PROGRAM.—

1           (1) PROGRAM ACTIVITIES.—The Secretary, in  
2 coordination with the Interagency Coordinating  
3 Committee on Landslide Hazards established by  
4 subsection (c)(1) (referred to in this section as the  
5 “Committee”) and in coordination with existing ac-  
6 tivities of the United States Geological Survey and  
7 other Federal agencies, shall—

8           (A) identify, map, assess, and research  
9 landslide hazards;

10           (B) respond to landslide events; and

11           (C) in coordination with State offices,  
12 units of local government, territories, freely as-  
13 sociated states, and Indian tribes—

14           (i) establish working groups with  
15 State offices, units of local government,  
16 territories, freely associated states, and In-  
17 dian tribes to identify regional and local  
18 priorities for researching, identifying, map-  
19 ping, and assessing landslide hazards; and

20           (ii) develop and implement landslide  
21 hazard guidelines for—

22           (I) geologists;

23           (II) geological and geotechnical  
24 engineers;

1 (III) emergency management  
2 personnel; and

3 (IV) land use and other decision-  
4 makers.

5 (2) NATIONAL STRATEGY.—Not later than 1  
6 year after the date of enactment of this Act, and  
7 every 5 years thereafter, the Secretary, in coordina-  
8 tion with the Committee, shall develop and publish  
9 a national strategy for landslide hazards, risk reduc-  
10 tion, and response in the United States (including  
11 territories and freely associated states), which shall  
12 include—

13 (A) goals and priorities for the program;

14 (B) priorities for data acquisition, re-  
15 search, communications, and risk management  
16 on landslides and landslide hazards across rel-  
17 evant Federal agencies; and

18 (C) a detailed interagency plan, which shall  
19 take into consideration national disaster pre-  
20 paredness, response, and recovery frameworks,  
21 to carry out the national strategy, including de-  
22 tails about the programs, projects, and budgets  
23 that will be used to implement the national  
24 strategy.

1           (3) NATIONAL LANDSLIDE HAZARDS DATA-  
2           BASE.—In carrying out the program, the Secretary,  
3           in coordination with State offices, units of local gov-  
4           ernment, territories, freely associated states, and In-  
5           dian tribes, shall develop and maintain a publicly ac-  
6           cessible national landslide hazard and risk inventory  
7           database to compile, maintain, standardize, and  
8           evaluate data regarding—

9                   (A) landslide hazards and risks;

10                   (B) the impact of landslides on—

11                           (i) health and safety;

12                           (ii) the economy and infrastructure;

13                   and

14                           (iii) the environment;

15                   (C) landslide hazard stabilization; and

16                   (D) reduction of losses from landslides.

17           (4) LANDSLIDE HAZARD AND RISK PREPARED-  
18           NESS FOR COMMUNITIES.—In carrying out the pro-  
19           gram, the Secretary, in coordination with the Sec-  
20           retary of the Army, the Secretary of Commerce, the  
21           Secretary of Homeland Security, the Secretary of  
22           Transportation, and the heads of other relevant Fed-  
23           eral agencies, and in consultation with State offices,  
24           units of local government, territories, freely associ-

1 ated states, and Indian tribes, shall develop and dis-  
2 seminate—

3 (A) landslide planning and risk reduction  
4 guidance, guidelines, maps, tools, and training  
5 materials to help inform State, territorial, freely  
6 associated state, local, and Tribal governments  
7 and decisionmakers with respect to—

8 (i) the use and implementation of  
9 landslide hazard assessments;

10 (ii) the applied use of the database  
11 developed under paragraph (3);

12 (iii) reducing losses from landslides;

13 and

14 (iv) resources available for commu-  
15 nities working to improve landslide hazard  
16 preparedness; and

17 (B) landslide preparedness curricula and  
18 training modules for—

19 (i) State, territorial, freely associated  
20 state, local, and Tribal officials;

21 (ii) Federal, State, territorial, freely  
22 associated state, local, and Tribal emer-  
23 gency managers; and

24 (iii) the National Guard.



1 (5) DEBRIS FLOW EARLY WARNING SYSTEM.—

2 In carrying out the program, the Secretary, in co-  
3 ordination with the Secretary of Commerce and the  
4 Secretary of Homeland Security, shall expand the  
5 early warning system for debris flow by—

6 (A) expanding the early warning system  
7 for post-wildfire debris flow to include recently  
8 burned areas across the western United States;

9 (B) developing procedures with State, ter-  
10 ritorial, freely associated state, local, and Tribal  
11 governments to monitor stormwater drainage in  
12 areas with high debris flow risk; and

13 (C) identifying high-risk debris flow areas,  
14 such as recently burned land and potential  
15 lahar hazard areas.

16 (6) EMERGENCY RESPONSE ACTIVITIES.—In  
17 carrying out the program, the Secretary, in coordi-  
18 nation with the Secretary of Commerce, the Sec-  
19 retary of Homeland Security, the heads of other rel-  
20 evant Federal agencies, States offices, units of local  
21 government, territories, freely associated states, and  
22 Indian tribes, shall establish and support emergency  
23 response procedures for the rapid deployment of  
24 Federal scientists, equipment, and services to areas  
25 impacted by a significant landslide event—

1 (A) to support emergency response efforts  
2 and improve the safety of emergency respond-  
3 ers;

4 (B) to improve data collection; and

5 (C) to conduct research to advance the un-  
6 derstanding of the causes, impacts, and reduc-  
7 tion of landslide hazards and risks.

8 (c) INTERAGENCY COORDINATING COMMITTEE ON  
9 LANDSLIDE HAZARDS.—

10 (1) IN GENERAL.—There is established a com-  
11 mittee, to be known as the “Interagency Coordi-  
12 nating Committee on Landslide Hazards”.

13 (2) MEMBERSHIP.—The Committee shall be  
14 composed of the following members (or their des-  
15 ignees):

16 (A) The Secretary, who shall serve as  
17 Chairperson of the Committee.

18 (B) The Secretary of Agriculture.

19 (C) The Secretary of the Army.

20 (D) The Secretary of Commerce.

21 (E) The Secretary of Homeland Security.

22 (F) The Secretary of Transportation.

23 (G) The Director of the National Science  
24 Foundation.

1 (H) The Director of the Office of Science  
2 and Technology Policy.

3 (I) The Director of the Office of Manage-  
4 ment and Budget.

5 (3) MEETINGS.—The Committee shall meet at  
6 the call of the Chairperson.

7 (4) PURPOSE AND DUTIES.—The Committee  
8 shall—

9 (A) advise and oversee the program;

10 (B) facilitate communication and coordina-  
11 tion across Federal agencies in the planning,  
12 management, budgeting, and execution of land-  
13 slide activities; and

14 (C) support the development and execution  
15 of the national strategy under subsection (b)(2),  
16 including by—

17 (i) supporting the development of na-  
18 tional goals and priorities for the national  
19 strategy;

20 (ii) articulating Federal agency roles,  
21 responsibilities, and resources for carrying  
22 out the national strategy; and

23 (iii) overseeing the implementation of  
24 the national strategy.

25 (d) ADVISORY COMMITTEE.—

1           (1) IN GENERAL.—The Secretary shall establish  
2           an advisory committee, to be known as the “Advi-  
3           sory Committee on Landslides” (referred to in this  
4           subsection as the “Advisory Committee”).

5           (2) MEMBERSHIP.—The Advisory Committee  
6           shall be composed of not fewer than 11 members—

7                   (A) of whom none may be an individual de-  
8                   scribed in any of subparagraphs (A) through  
9                   (F) of section 7342(a)(1) of title 5, United  
10                  States Code; and

11                   (B) who shall be representatives of—

12                           (i) States, including State geological  
13                           organizations;

14                           (ii) territories and freely associated  
15                           states, including territorial and freely asso-  
16                           ciated state geological organizations;

17                           (iii) Indian tribes, including Tribal ge-  
18                           ological organizations;

19                           (iv) research institutions and institu-  
20                           tions of higher education that are quali-  
21                           fied—

22                                   (I) to provide advice regarding  
23                                   landslide hazard and risk reduction;  
24                                   and

1 (II) to represent related sci-  
2 entific, architectural, engineering, and  
3 planning disciplines;

4 (v) industry standards development  
5 organizations; and

6 (vi) State, territorial, freely associated  
7 state, local, and Tribal emergency manage-  
8 ment agencies.

9 (3) RECOMMENDATIONS.—

10 (A) IN GENERAL.—The Advisory Com-  
11 mittee shall submit to the Committee rec-  
12 ommendations for the implementation of the  
13 program, including recommendations regard-  
14 ing—

15 (i) landslide hazard and risk reduction  
16 and planning;

17 (ii) tools for communities;

18 (iii) research; and

19 (iv) such other topics as the Advisory  
20 Committee determines appropriate.

21 (B) CONSIDERATION.—The Secretary and  
22 the agency heads described in subparagraphs  
23 (B) through (I) of subsection (c)(2) shall take  
24 into consideration any recommendation of the

1           Advisory Committee submitted under subpara-  
2           graph (A).

3           (e) GRANT PROGRAMS.—

4           (1) COOPERATIVE LANDSLIDE HAZARD MAP-  
5           PING AND ASSESSMENT PROGRAM.—

6           (A) IN GENERAL.—Subject to appropria-  
7           tions, the Secretary may—

8                   (i) provide grants, on a competitive  
9                   basis, to State, territorial, freely associated  
10                  state, local, and Tribal governments to re-  
11                  search, map, assess, and collect data on  
12                  landslide hazards within the jurisdictions  
13                  of those governments; and

14                  (ii) accept and use funds received  
15                  from other Federal and non-Federal part-  
16                  ners to advance the purposes of the pro-  
17                  gram.

18           (B) PRIORITY.—

19                   (i) IN GENERAL.—The Secretary shall  
20                  consult annually with the Committee,  
21                  States, units of local government, terri-  
22                  tories, freely associated states, and Indian  
23                  tribes to establish priorities for the grant  
24                  program under this paragraph.

1 (ii) FUNDING PRIORITIZATION.—In  
2 providing grants under this paragraph, the  
3 Secretary shall give priority to projects—

4 (I) that will achieve the greatest  
5 landslide hazard and risk reduction;

6 (II) that reflect the goals and  
7 priorities of the national strategy es-  
8 tablished under subsection (b)(2)(A);

9 (III) not less than 50 percent of  
10 the total cost of which is matched by  
11 non-Federal sources; and

12 (IV) that include acquisition of  
13 enhanced elevation data consistent  
14 with the 3D Elevation Program.

15 (2) NATIONAL LANDSLIDE RESEARCH  
16 GRANTS.—

17 (A) IN GENERAL.—To advance the goals  
18 and priorities of the national strategy estab-  
19 lished under subsection (b)(2)(A), subject to ap-  
20 propriations, the Director of the National  
21 Science Foundation (referred to in this para-  
22 graph as the “Director”) may provide grants to  
23 eligible entities for landslide research, including  
24 research on—

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

3 (ii) ways to reduce landslide hazards  
4 and risks to minimize loss of life and prop-  
5 erty, including landslide hazard and risk  
6 communication, perception, decision-  
7 making, tools, and technologies; and

8 (iii) other goals and priorities of the  
9 national strategy established under sub-  
10 section (b)(2)(A).

11 (B) ELIGIBLE ENTITIES.—The Director  
12 shall determine whether an entity is eligible to  
13 receive a grant under this paragraph.

14 (C) REQUIREMENTS.—In providing grants  
15 under this paragraph, the Director shall—

16 (i) ensure that the grants are pro-  
17 vided on a competitive basis; and

18 (ii) consider grant applications sub-  
19 mitted by eligible entities that have devel-  
20 oped the application in partnership with  
21 one or more State geological surveys.

22 (f) BIENNIAL REPORT.—The Secretary shall submit  
23 to Congress a biennial report, including a description of,  
24 with respect to the preceding 2 calendar years—



1           (1) the goals and accomplishments of the Sec-  
2           retary and the agency heads described in subpara-  
3           graphs (B) through (I) of subsection (c)(2) in car-  
4           rying out the national strategy developed under sub-  
5           section (b)(2), expressed—

6                   (A) by agency, program, and budgetary re-  
7                   source; and

8                   (B) by the goals and priorities of the na-  
9                   tional strategy established under subsection  
10                  (b)(2)(A);

11          (2) the results of the activities of the Com-  
12          mittee under this section;

13          (3) the extent to which any recommendations of  
14          the Advisory Committee under subsection (d)(3)(A)  
15          have been implemented;

16          (4) the grants provided under this section dur-  
17          ing the preceding 2 calendar years, including a de-  
18          scription of—

19                   (A) each activity carried out using such a  
20                   grant; and

21                   (B) the results of those activities; and

22          (5) for each significant landslide event in the  
23          United States (including territories and freely asso-  
24          ciated states) during the preceding 2 calendar  
25          years—

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

4 (B) recommendations on how the identi-  
5 fication of the landslide risk could have been  
6 improved prior to the event;

7 (C) a description of the effectiveness of  
8 any warning and risk communication, including  
9 the dissemination of warnings by State, terri-  
10 torial, freely associated state, local, and Tribal  
11 partners in the affected area;

12 (D) recommendations to improve risk iden-  
13 tification, reduction, and communication to  
14 landowners and units of local government;

15 (E) recommendations to improve landslide  
16 hazard preparedness and emergency response  
17 activities under this section; and

18 (F) such other findings as the Secretary  
19 determines appropriate.

20 (g) FUNDING.—There is authorized to be appro-  
21 priated to carry out this section \$37 million for each of  
22 fiscal years 2020 through 2023, of which—

23 (1) \$25 million each fiscal year shall be made  
24 available to the United States Geological Survey;

1           (2) \$11 million each fiscal year shall be made  
2           available to the National Science Foundation; and

3           (3) \$1 million each fiscal year shall be made  
4           available to the National Oceanic and Atmospheric  
5           Administration.

6 **SEC. 4. GROUND SUBSIDENCE.**

7           As the Secretary determines to be appropriate and  
8           subject to appropriations, the Secretary, through existing  
9           programs, shall advance the identification, mapping, re-  
10          search, monitoring, restoration, and mitigation of subsid-  
11          ence and groundwater resource accounting, losses from  
12          subsidence, including saltwater intrusion, particularly in  
13          areas affected by drought and sea level rise.

14 **SEC. 5. 3D ELEVATION PROGRAM.**

15          (a) ESTABLISHMENT OF 3D ELEVATION PRO-  
16          GRAM.—

17               (1) IN GENERAL.—The Secretary shall establish  
18               a program, to be known as the “3D Elevation Pro-  
19               gram”—

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

22                       (B) to coordinate and facilitate the collec-  
23                       tion, dissemination, and use of 3D elevation  
24                       data among Federal departments and agencies  
25                       and non-Federal entities;

1 (C) to produce standard, publicly acces-  
2 sible 3D elevation data products for the United  
3 States; and

4 (D) to promote the collection, dissemina-  
5 tion, and use of 3D elevation data among Fed-  
6 eral, State, local, and Tribal governments, com-  
7 munities, institutions of higher education, and  
8 the private sector through—

9 (i) cooperative agreements;

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

14 (iii) in coordination with the 3D Ele-  
15 vation Federal Interagency Coordinating  
16 Committee established under subsection  
17 (b), States, and industry and standards  
18 bodies, the development of standards and  
19 guidelines for 3D elevation data acquisition  
20 to increase accessibility to 3D elevation  
21 data in a standard, easy-to-use format; and

22 (iv) the identification, assessment, and  
23 adoption of emerging technologies to im-  
24 prove the accuracy and efficiency of the  
25 3D Elevation Program.

1 (2) MANAGEMENT.—

2 (A) IN GENERAL.—The Secretary shall  
3 manage the 3D Elevation Program—

4 (i) to ensure efficiency with respect to  
5 related activities of the Department of the  
6 Interior and other participating Federal  
7 departments and agencies; and

8 (ii) to meet the needs of Department  
9 of the Interior programs, stakeholders, and  
10 the public.

11 (B) OTHER FEDERAL DEPARTMENTS AND  
12 AGENCIES.—The head of each Federal depart-  
13 ment and agency involved in the acquisition,  
14 production, distribution, or application of 3D  
15 elevation data shall—

16 (i) coordinate with the 3D Elevation  
17 Federal Interagency Coordinating Com-  
18 mittee established under subsection (b) to  
19 acquire additional, enhanced 3D elevation  
20 data;

21 (ii) submit to the Secretary a descrip-  
22 tion of priority areas of interest for 3D ele-  
23 vation data collection for use in providing  
24 grants and cooperative agreements under  
25 subsection (d);

1 (iii) implement policies and procedures  
2 for data acquisition and sharing that are  
3 consistent with standards and guidelines  
4 developed under the 3D Elevation Pro-  
5 gram;

6 (iv) participate in, and share the re-  
7 sults and benefits of, the 3D Elevation  
8 Program, in accordance with standards  
9 and guidelines developed under the 3D  
10 Elevation Program; and

11 (v) ensure that any 3D elevation data  
12 acquired with Federal grant funding—

13 (I) meets 3D Elevation Program  
14 standards; and

15 (II) is included in the national  
16 holdings of those data.

17 (b) 3D ELEVATION FEDERAL INTERAGENCY CO-  
18 ORDINATING COMMITTEE.—

19 (1) ESTABLISHMENT.—The Secretary, in co-  
20 ordination with the Secretary of Commerce and the  
21 Secretary of Homeland Security, shall establish an  
22 interagency coordinating committee, to be known as  
23 the “3D Elevation Federal Interagency Coordinating  
24 Committee” (referred to in this subsection as the

1 “Committee”), to better coordinate 3D elevation  
2 data management across the Federal Government.

3 (2) MEMBERSHIP.—The Committee shall be  
4 composed of the following members (or their des-  
5 ignees):

6 (A) The Secretary, who shall serve as  
7 Chairperson of the Committee.

8 (B) The Secretary of Agriculture.

9 (C) The Secretary of Commerce.

10 (D) The Secretary of Homeland Security.

11 (E) The Director of the National Science  
12 Foundation.

13 (F) The Director of the Office of Science  
14 and Technology Policy.

15 (G) The Director of the Office of Manage-  
16 ment and Budget.

17 (H) The head of any other Federal depart-  
18 ment or agency, at the request of the Secretary.

19 (3) COORDINATION.—The Committee shall co-  
20 ordinate, as appropriate, with the existing activities  
21 of—

22 (A) the 3D Elevation Program Executive  
23 Forum;

24 (B) the Alaska Mapping Executive Com-  
25 mittee;

1 (C) the 3D Elevation Working Group;

2 (D) the 3D National Elevation Sub-  
3 committee; and

4 (E) State offices.

5 (4) MEETINGS.—The Committee shall meet at  
6 the call of the Chairperson.

7 (5) DUTIES.—The Committee shall—

8 (A) oversee the planning, management,  
9 and coordination of the 3D Elevation Program;  
10 and

11 (B) develop, by not later than 1 year after  
12 the date of enactment of this Act, and update  
13 periodically thereafter—

14 (i) a strategic plan that establishes  
15 goals and priorities for activities carried  
16 out under the 3D Elevation Program; and

17 (ii) a detailed management plan to  
18 implement the strategic plan.

19 (c) SUBCOMMITTEE OF NATIONAL GEOSPATIAL AD-  
20 VISORY COMMITTEE.—

21 (1) ESTABLISHMENT.—

22 (A) IN GENERAL.—The Secretary shall es-  
23 tablish, within the National Geospatial Advisory  
24 Committee, a subcommittee (referred to in this  
25 subsection as the “Subcommittee”).



1 (B) MEMBERSHIP.—The Subcommittee  
2 shall—

3 (i) consist of not fewer than 11 mem-  
4 bers, of whom none may be a Federal offi-  
5 cer or employee; and

6 (ii) include representatives of—

7 (I) research and academic insti-  
8 tutions;

9 (II) industry standards develop-  
10 ment organizations;

11 (III) units of State and local gov-  
12 ernment; and

13 (IV) the private sector.

14 (2) DUTIES.—

15 (A) ASSESSMENT.—The Subcommittee  
16 shall conduct an assessment of—

17 (i) trends and developments in—

18 (I) the collection, dissemination,  
19 and use of 3D elevation data; and

20 (II) science and technology relat-  
21 ing to 3D elevation data;

22 (ii) the effectiveness of the 3D Ele-  
23 vation Program in carrying out the activi-  
24 ties described in subsection (a)(1);

1 (iii) the need to revise or reorganize  
2 the 3D Elevation Program; and

3 (iv) the management, coordination,  
4 implementation, and activities of the 3D  
5 Elevation Program.

6 (B) REPORT.—Not later than 1 year after  
7 the date of enactment of this Act, and every 2  
8 years thereafter, the Subcommittee shall submit  
9 to the Secretary and the 3D Elevation Federal  
10 Interagency Coordinating Committee estab-  
11 lished under subsection (b) a report that in-  
12 cludes—

13 (i) the findings of the assessment  
14 under subparagraph (A); and

15 (ii) recommendations of the Sub-  
16 committee based on those findings, if any.

17 (d) GRANTS AND COOPERATIVE AGREEMENTS.—

18 (1) IN GENERAL.—The Secretary may make  
19 grants and enter into cooperative agreements with  
20 other Federal departments and agencies, units of  
21 State, local, or Tribal government, institutions of  
22 higher education, nonprofit research institutions, or  
23 other organizations to facilitate the improvement of  
24 nationwide coverage of 3D elevation data.

1           (2) APPLICATIONS.—To be eligible to receive a  
2 grant or enter into a cooperative agreement under  
3 this subsection, an entity described in paragraph (1)  
4 shall submit to the Secretary an application at such  
5 time, in such manner, and containing such informa-  
6 tion as the Secretary may require.

7           (3) TERMS AND CONDITIONS.—A grant or coop-  
8 erative agreement under this subsection shall be sub-  
9 ject to such terms and conditions as the Secretary  
10 determines to be appropriate, including making data  
11 publically available and interoperable with other  
12 Federal datasets.

13       (e) AUTHORIZATION OF APPROPRIATIONS.—There is  
14 authorized to be appropriated to carry out this section \$40  
15 million for each of fiscal years 2020 through 2023.

Passed the House of Representatives June 3, 2019.

Attest:                   CHERYL L. JOHNSON,  
*Clerk.*