

Calendar No. 481

118TH CONGRESS
2D SESSION

S. 3788

To reauthorize the National Landslide Preparedness Act, and for other purposes.

IN THE SENATE OF THE UNITED STATES

FEBRUARY 8 (legislative day, FEBRUARY 7), 2024

Ms. MURKOWSKI (for herself and Ms. CANTWELL) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

AUGUST 1, 2024

Reported by Ms. CANTWELL, with an amendment

[Strike out all after the enacting clause and insert the part printed in italic]

A BILL

To reauthorize the National Landslide Preparedness Act,
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,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “National Landslide
5 Preparedness Act Reauthorization Act of 2024”.

1 **SEC. 2. REAUTHORIZATION OF THE NATIONAL LANDSLIDE**
 2 **PREPAREDNESS ACT.**

3 (a) NATIONAL LANDSLIDE HAZARDS REDUCTION
 4 PROGRAM.—Section 3(h) of the National Landslide Pre-
 5 paredness Act (43 U.S.C. 3102(h)) is amended—

6 (1) in the matter preceding paragraph (1), by
 7 striking “2024” and inserting “2034”; and

8 (2) in paragraph (1), by striking “\$25,000,000
 9 to carry out this section” and inserting
 10 “\$40,000,000 to carry out this section, of which not
 11 less than \$15,000,000 shall be made available for
 12 the purchase and deployment of landslide early
 13 warning systems in high-risk areas”.

14 (b) 3D ELEVATION PROGRAM.—Section 5(e) of the
 15 National Landslide Preparedness Act (43 U.S.C. 3104(e))
 16 is amended by striking “2024” and inserting “2034”.

17 **SECTION 1. SHORT TITLE.**

18 *This Act may be cited as the “National Landslide Pre-*
 19 *paredness Act Reauthorization Act of 2024”.*

20 **SEC. 2. CERTAIN DEFINITIONS UNDER FLOOD LEVEL OB-**
 21 **SERVATION, OPERATIONS, AND DECISION**
 22 **SUPPORT ACT.**

23 (a) DEFINITIONS.—Section 12(a) of the Flood Level
 24 Observation, Operations, and Decision Support Act (15
 25 U.S.C. 9707(a)) is amended—

1 (1) by redesignating paragraphs (1) and (2) as
2 paragraphs (4) and (5), respectively; and

3 (2) by inserting before paragraph (4) (as so re-
4 designated) the following:

5 “(1) *ATMOSPHERIC RIVER*.—The term ‘atmos-
6 pheric river’ means a transient corridor of strong
7 water vapor in the atmosphere that—

8 “(A) produces significant quantities of rain
9 or snow; and

10 “(B) may be primarily beneficial to the
11 water supply or hazardous due to flooding.

12 “(2) *ATMOSPHERIC RIVER FLOODING EVENT*.—
13 The term ‘atmospheric river flooding event’ means an
14 atmospheric river that—

15 “(A) results in flooding of rivers and
16 streams or other hazards to human life, property,
17 or the economy; and

18 “(B) is of particular concern to human
19 health, property, and the economy, as determined
20 by the Secretary of Commerce.

21 “(3) *EXTREME PRECIPITATION EVENT*.—The
22 term ‘extreme precipitation event’ means precipita-
23 tion quantities exceeding the 5-year annual recur-
24 rence interval for a specific location.”.

1 (b) *REQUIREMENTS.*—Section 12(d)(1) of the Flood
 2 *Level Observation, Operations, and Decision Support Act*
 3 *(15 U.S.C. 9707(d)(1)) is amended by inserting “, such as*
 4 *precipitation resulting from hurricanes, atmospheric river*
 5 *flooding events, and extreme precipitation events” before the*
 6 *period at the end.*

7 **SEC. 3. REAUTHORIZATION OF NATIONAL LANDSLIDE PRE-**
 8 **PAREDNESS ACT.**

9 (a) *DEFINITIONS.*—Section 2 of the National Land-
 10 *slide Preparedness Act (43 U.S.C. 3101) is amended—*

11 (1) *by redesignating paragraphs (4) through (11)*
 12 *as paragraphs (7), (8), (10), (11), (13), (14), (15),*
 13 *and (16), respectively;*

14 (2) *by inserting after paragraph (3) the fol-*
 15 *lowing:*

16 “(4) *ATMOSPHERIC RIVER.*—The term ‘atmos-
 17 *pheric river’ has the meaning given the term in sec-*
 18 *tion 12(a) of the Flood Level Observation, Operations,*
 19 *and Decision Support Act (15 U.S.C. 9707(a)).*

20 “(5) *ATMOSPHERIC RIVER FLOODING EVENT.*—
 21 *The term ‘atmospheric river flooding event’ has the*
 22 *meaning given the term in section 12(a) of the Flood*
 23 *Level Observation, Operations, and Decision Support*
 24 *Act (15 U.S.C. 9707(a)).*

1 “(6) *EXTREME PRECIPITATION EVENT*.—The
2 term ‘extreme precipitation event’ has the meaning
3 given the term in section 12(a) of the Flood Level Ob-
4 servation, Operations, and Decision Support Act (15
5 U.S.C. 9707(a)).”;

6 (3) by inserting after paragraph (8) (as so reded-
7 icated) the following:

8 “(9) *INSTITUTION OF HIGHER EDUCATION*.—The
9 term ‘institution of higher education’ has the meaning
10 given the term in section 101(a) of the Higher Edu-
11 cation Act of 1965 (20 U.S.C. 1001(a)).”;

12 (4) by inserting after paragraph (11) (as so re-
13 designated) the following:

14 “(12) *NATIVE HAWAIIAN COMMUNITY*.—The term
15 ‘Native Hawaiian Community’ means the distinct
16 Native Hawaiian indigenous political community
17 that Congress, exercising its plenary power over Na-
18 tive American affairs, has recognized and with which
19 Congress has implemented a special political and
20 trust relationship.”; and

21 (5) by adding at the end the following:

22 “(17) *TRIBAL ORGANIZATION*.—The term ‘Tribal
23 organization’ has the meaning given the term in sec-
24 tion 4 of the Indian Self-Determination and Edu-
25 cation Assistance Act (25 U.S.C. 5304).”.

1 **(b) NATIONAL LANDSLIDE HAZARDS REDUCTION PRO-**
 2 **GRAM.—**

3 **(1) ESTABLISHMENT.—***Section 3(a)(3) of the Na-*
 4 *tional Landslide Preparedness Act (43 U.S.C.*
 5 *3102(a)(3)) is amended by striking “protect” and in-*
 6 *serting “contribute to protecting”.*

7 **(2) PROGRAM ACTIVITIES.—***Section*
 8 *3(b)(1)(C)(ii) of the National Landslide Preparedness*
 9 *Act (43 U.S.C. 3102(b)(1)(C)(ii)) is amended by*
 10 *striking “implement” and inserting “disseminate”.*

11 **(3) NATIONAL STRATEGY.—***Section 3(b)(2) of the*
 12 *National Landslide Preparedness Act (43 U.S.C.*
 13 *3102(b)(2)) is amended—*

14 **(A)** *by redesignating subparagraphs (A)*
 15 *through (C) as clauses (i) through (iii), respec-*
 16 *tively, and indenting appropriately;*

17 **(B)** *in the matter preceding clause (i) (as so*
 18 *redesignated), by striking “Not later than” and*
 19 *inserting the following:*

20 **“(A) IN GENERAL.—***Not later than”;* and

21 **(C)** *by adding at the end the following:*

22 **“(B) ASSESSMENT.—***For purposes of the*
 23 *first national strategy published after the date of*
 24 *enactment of the National Landslide Prepared-*
 25 *ness Act Reauthorization Act of 2024 under sub-*

1 *paragraph (A), the Secretary, in consultation*
2 *with the Secretary of Commerce, shall include an*
3 *assessment of the risks that atmospheric river*
4 *flooding events and extreme precipitation events*
5 *pose to the safety of life and property in the*
6 *United States with respect to landslide haz-*
7 *ards.”.*

8 (4) *NATIONAL LANDSLIDE HAZARDS DATA-*
9 *BASE.—Section 3(b)(3) of the National Landslide*
10 *Preparedness Act (43 U.S.C. 3102(b)(3)) is amend-*
11 *ed—*

12 *(A) by redesignating subparagraphs (C)*
13 *and (D) as subparagraphs (D) and (E), respec-*
14 *tively; and*

15 *(B) by inserting after subparagraph (B) the*
16 *following:*

17 *“(C) the identification of areas in need of*
18 *additional hazard risk assessment, including*
19 *areas that may be at risk due to—*

20 *“(i) hydrology or changes in hydrology*
21 *that may include erosion, drought, or other*
22 *characteristics that could impact landslide*
23 *risk;*

24 *“(ii) atmospheric river flooding events*
25 *and extreme precipitation events, as identi-*

1 *fied by the Secretary of Commerce and the*
2 *Secretary;*

3 *“(iii) geologic activity, such as vol-*
4 *canic eruptions, earthquakes, or tsunamis;*
5 *or*

6 *“(iv) data-poor areas or hazards with*
7 *poor monitoring that could contribute to in-*
8 *creased landslide risk;”.*

9 (5) *LANDSLIDE HAZARD AND RISK PREPARED-*
10 *NESS FOR COMMUNITIES.—Section 3(b)(4) of the Na-*
11 *tional Landslide Preparedness Act (43 U.S.C.*
12 *3102(b)(4)) is amended—*

13 (A) *in the matter preceding subparagraph*
14 (A), *by inserting “Native Hawaiian Commu-*
15 *nities and other stakeholders, as appropriate,”*
16 *before “and Indian tribes”;*

17 (B) *in subparagraph (A)—*

18 (i) *in the matter preceding clause (i),*
19 *by striking “local, and Tribal governments*
20 *and decisionmakers” and inserting “and*
21 *local governments, Indian tribes, Tribal or-*
22 *ganizations, Native Hawaiian Commu-*
23 *nities, and other decisionmakers”;*

24 (ii) *by striking clause (iii) and insert-*
25 *ing the following:*

1 “(iii) health and safety with respect to
2 landslides;”;

3 (iii) by redesignating clause (iv) as
4 clause (v); and

5 (iv) by inserting after clause (iii) the
6 following:

7 “(iv) reducing losses from landslides,
8 including the threats caused by atmospheric
9 rivers and other extreme precipitation
10 events; and”;

11 (C) in subparagraph (B)—

12 (i) in clause (i), by striking “local, and
13 Tribal officials” and inserting “and local
14 officials, Indian tribes, Tribal organiza-
15 tions, and Native Hawaiian Communities”;
16 and

17 (ii) in clause (ii), by striking “local,
18 and Tribal emergency managers” and in-
19 serting “and local emergency managers and
20 emergency managers of Indian tribes, Trib-
21 al organizations, and Native Hawaiian
22 Communities”.

23 (6) *DEBRIS FLOW EARLY WARNING SYSTEM.*—
24 Section 3(b)(5) of the National Landslide Prepared-
25 ness Act (43 U.S.C. 3102(b)(5)) is amended—

1 (A) in subparagraph (B), by striking
2 “State, territorial, local, and Tribal govern-
3 ments” and inserting “State, territorial, and
4 local governments, Indian tribes, Tribal organi-
5 zations, and Native Hawaiian Communities”;

6 (B) by redesignating subparagraphs (A)
7 through (C) as clauses (i) through (iii), respec-
8 tively, and indenting appropriately;

9 (C) in the matter preceding clause (i) (as so
10 redesignated), by striking “In carrying out” and
11 inserting the following:

12 “(A) *IN GENERAL.*—In carrying out”; and

13 (D) by adding at the end the following:

14 “(B) *CONSULTATION.*—In carrying out sub-
15 paragraph (A), the Secretary may consult with
16 an institution of higher education described in
17 subsection (d)(2)(B)(iv) and other stakeholders to
18 establish and support emergency response proce-
19 dures, as appropriate.”.

20 (7) *EMERGENCY RESPONSE ACTIVITIES.*—Section
21 3(b)(6) of the National Landslide Preparedness Act
22 (43 U.S.C. 3102(b)(6)) is amended—

23 (A) by redesignating subparagraphs (A)
24 through (C) as clauses (i) through (iii), respec-
25 tively, and indenting appropriately;

1 (B) *in the matter preceding clause (i) (as so*
2 *redesignated), by striking “In carrying” and in-*
3 *serting the following:*

4 “(A) *IN GENERAL.—In carrying*”;

5 (C) *in subparagraph (A) (as so des-*
6 *ignated)—*

7 (i) *in the matter preceding clause (i)*
8 *(as so redesignated), by inserting “Native*
9 *Hawaiian Communities,” before “and In-*
10 *Indian tribes”;*

11 (ii) *in clause (ii) (as so redesignated),*
12 *by striking “and” at the end;*

13 (iii) *in clause (iii) (as so redesign-*
14 *ated), by striking the period at the end*
15 *and inserting “; and”; and*

16 (iv) *by adding at the end the following:*

17 “(iv) *to improve real-time risk man-*
18 *agement during landslide events, including*
19 *with respect to landslide events caused by—*

20 “(I) *hydrology or changes in hy-*
21 *drology that may include erosion,*
22 *drought, or other characteristics that*
23 *could impact landslide risk;*

24 “(II) *atmospheric river flooding*
25 *events and extreme precipitation*

1 events, as identified by the Secretary of
2 Commerce and the Secretary;

3 “(III) geologic activity, such as
4 volcanic eruptions, earthquakes, or
5 tsunamis;

6 “(IV) data-poor areas or hazards
7 with poor monitoring that could con-
8 tribute to increased landslide risk; or

9 “(V) thawing permafrost and gla-
10 cial retreat causing destabilization of
11 slopes.”; and

12 (D) by adding at the end the following:

13 “(B) CONSULTATION.—In carrying out sub-
14 paragraph (A), the Secretary may consult with
15 an institution of higher education described in
16 subsection (d)(2)(B)(iv) and the private sector.”.

17 (8) ADVISORY COMMITTEE.—Section 3(d)(2)(B)
18 of the National Landslide Preparedness Act (43
19 U.S.C. 3102(d)(2)(B)) is amended—

20 (A) in clause (iii), by striking “geological”;
21 and

22 (B) in clause (vi), by striking “local, and
23 Tribal emergency management agencies” and in-
24 serting “and local emergency management agen-
25 cies and emergency management agencies of In-

1 *dian tribes and Native Hawaiian Commu-*
2 *nities”.*

3 (9) *REGIONAL PARTNERSHIPS.*—*Section 3 of the*
4 *National Landslide Preparedness Act (43 U.S.C.*
5 *3102) is amended—*

6 (A) *by redesignating subsections (e) through*
7 (i) *as subsections (f) through (j), respectively;*
8 *and*

9 (B) *by inserting after subsection (d) the fol-*
10 *lowing:*

11 “(e) *REGIONAL PARTNERSHIPS.*—

12 “(1) *IN GENERAL.*—*As soon as practicable after*
13 *the date of enactment of the National Landslide Pre-*
14 *paredness Act Reauthorization Act of 2024, the Sec-*
15 *retary shall establish in each region in which the Sec-*
16 *retary determines that there is a high landslide haz-*
17 *ard a regional partnership with an eligible partner*
18 *described in paragraph (2).*

19 “(2) *ELIGIBLE PARTNERS.*—*An organization or*
20 *institution of higher education with expertise in land-*
21 *slide mapping, research, and monitoring shall be eli-*
22 *gible for a regional partnership under paragraph (1).*

23 “(3) *PURPOSES AND DUTIES.*—*A regional part-*
24 *nership established under paragraph (1) shall—*

1 “(A) allow the Secretary to leverage appli-
2 cable expertise in regional organizations;

3 “(B) coordinate long-term landslide re-
4 search specific to the applicable region; and

5 “(C) align interagency landslide monitoring
6 efforts.”.

7 (10) GRANT PROGRAMS.—Section 3 of the Na-
8 tional Landslide Preparedness Act (43 U.S.C. 3102)
9 is amended, in paragraph (1) of subsection (f) (as re-
10 designated by paragraph (9)(A))—

11 (A) in subparagraph (A)(i), by striking
12 “local, and Tribal governments to research, map,
13 assess” and inserting “and local governments,
14 Indian tribes, Tribal organizations, and Native
15 Hawaiian Communities to research, map, assess,
16 monitor”;

17 (B) in subparagraph (B)—

18 (i) in clause (i), by inserting “institu-
19 tions of higher education described in sub-
20 section (d)(2)(B)(iv),” before “and Indian
21 tribes”; and

22 (ii) in clause (ii)—

23 (I) by redesignating subclauses
24 (II) through (IV) as subclauses (III)
25 through (V), respectively; and

1 (II) by inserting after subclause
2 (I) the following:

3 “*(II) in regions that have recently*
4 *experienced loss of life due to land-*
5 *slides;*”; and

6 (C) in subparagraph (C)—

7 (i) in clause (i), by inserting “*award-*
8 *ed*” after “*grants*”; and

9 (ii) in clause (ii), by striking “*made*”
10 and inserting “*or other accomplishments re-*
11 *sulting*”.

12 (11) *SIGNIFICANT EVENTS.*—Section 3 of the Na-
13 tional Landslide Preparedness Act (43 U.S.C. 3102)
14 is amended, in subsection (h)(3) (as so redesignated),
15 by striking “*local, and Tribal partners*” and insert-
16 ing “*and local partners, Indian tribes, Tribal organi-*
17 *zations, and Native Hawaiian Communities*”.

18 (12) *FUNDING.*—Section 3 of the National Land-
19 slide Preparedness Act (43 U.S.C. 3102) is amended,
20 in subsection (i) (as redesignated by paragraph
21 (9)(A))—

22 (A) in the matter preceding paragraph (1),
23 by striking “*2024*” and inserting “*2034*”; and

24 (B) in paragraph (1), by striking
25 “*\$25,000,000 to carry out this section*” and in-

1 serting “\$40,000,000 to carry out this section, of
 2 which not less than \$15,000,000 shall be made
 3 available for the purchase, deployment, and re-
 4 pair of landslide early warning systems in high
 5 risk areas”.

6 (c) *3D ELEVATION PROGRAM*.—

7 (1) *ESTABLISHMENT*.—Section 5(a) of the Na-
 8 tional Landslide Preparedness Act (43 U.S.C.
 9 3104(a)) is amended—

10 (A) in paragraph (1)(A), by inserting “and
 11 derivative” after “3D elevation”; and

12 (B) in paragraph (2)(B)(i), by inserting “,
 13 process, and integrate” after “acquire”.

14 (2) *3D ELEVATION FEDERAL INTERAGENCY CO-*
 15 *ORDINATING COMMITTEE*.—Section 5(b)(3) of the Na-
 16 tional Landslide Preparedness Act (43 U.S.C.
 17 3104(b)(3)) is amended—

18 (A) by redesignating subparagraphs (D)
 19 and (E) as subparagraphs (E) and (F), respec-
 20 tively; and

21 (B) by inserting after subparagraph (C) the
 22 following:

23 “(D) the 3D Hydrography Program Work-
 24 ing Group;”.

1 (3) *GRANTS AND COOPERATIVE AGREEMENTS.*—
 2 Section 5(d)(3) of the National Landslide Prepared-
 3 ness Act (43 U.S.C. 3104(d)(3)) is amended by strik-
 4 ing “publically” and inserting “publicly”.

5 (4) *FUNDING.*—Section 5(e) of the National
 6 Landslide Preparedness Act (43 U.S.C. 3104(e)) is
 7 amended by striking “2024” and inserting “2034”.

8 **SEC. 4. NEXT GENERATION WATER OBSERVING SYSTEM.**

9 The Act of December 24, 1942 (56 Stat. 1086, chapter
 10 822; 43 U.S.C. 36b), is amended—

11 (1) in the first section, by striking “That the
 12 Secretary of the Interior” and inserting the following:

13 **“SECTION 1. GAGING STREAMS AND UNDERGROUND WATER**
 14 **RESOURCES.**

15 “The Secretary of the Interior (referred to in this Act
 16 as the ‘Secretary’);

17 (2) in section 1 (as so designated)—

18 (A) in the second sentence, by striking “of
 19 the Interior”; and

20 (B) in the proviso—

21 (i) by striking “this Act” each place it
 22 appears and inserting “this section”; and

23 (ii) by striking “of the Interior”; and

24 (3) by adding at the end the following:

1 **“SEC. 2. NEXT GENERATION WATER OBSERVING SYSTEM.**

2 “(a) *ESTABLISHMENT.*—*The Secretary shall establish*
3 *within the United States Geological Survey a system, to*
4 *be known as the ‘Next Generation Water Observing System’*
5 *(referred to in this section as the ‘System’).*

6 “(b) *PURPOSE.*—*The purpose of the System is to pro-*
7 *vide real-time data on water quantity and quality—*

8 “(1) *that, as compared to previous systems, is*
9 *more affordable, more rapid, and available in more*
10 *locations; and*

11 “(2) *to support advanced modeling tools—*

12 “(A) *to provide state-of-the-art flood and*
13 *drought forecasts;*

14 “(B) *to inform emergency- and water-man-*
15 *agement decision support systems; and*

16 “(C) *to help evaluate—*

17 “(i) *the near-term and long-term risks*
18 *of floods and droughts, including any sce-*
19 *narios that modify those risks;*

20 “(ii) *the quantity of water stored in*
21 *seasonal snow packs, and how changes in*
22 *seasonal snow packs affect water supplies;*

23 “(iii) *the early stages of drought;*

24 “(iv) *the predicted timelines for*
25 *drought recovery;*

1 “(v) *the quantity of water lost to*
2 *evapotranspiration;*

3 “(vi) *water quality differences during*
4 *wet and dry periods;*

5 “(vii) *the effects of streamflow on*
6 *groundwater;*

7 “(viii) *the effects of groundwater on*
8 *streamflow; and*

9 “(ix) *ice and water volume stored in*
10 *glaciers and changing water volumes due to*
11 *glacial retreat.*

12 “(c) *SYSTEM REQUIREMENTS.—The System shall pro-*
13 *vide for—*

14 “(1) *state-of-the-art measurements;*

15 “(2) *a dense array of sensors at selected sites;*

16 “(3) *increased spatial and temporal coverage;*

17 “(4) *new technology testing and implementation;*

18 “(5) *improved operational efficiency; and*

19 “(6) *modernized and timely data storage and de-*
20 *livery.*

21 “(d) *PRIORITY REGIONS.—In determining in which*
22 *regions of the United States Geological Survey to carry out*
23 *the System, the Secretary shall give priority to regions of*
24 *the United States Geological Survey in which there is—*

25 “(1) *a high level of drought;*

1 “(2) a reliance on reservoirs for water storage;

2 “(3) a reliance on hydrologic storage, including
3 groundwater, aquifers, and snowpack; and

4 “(4) flooding and extreme rainfall.

5 “(e) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*
6 *authorized to be appropriated to carry out this section in*
7 *10 initial basins, as determined by the Secretary,*
8 *\$42,500,000 for fiscal year 2025, to remain available until*
9 *expended.”.*

10 **SEC. 5. WATER DATA ENHANCEMENT AND NATIONAL**
11 **GROUNDWATER RESOURCES MONITORING BY**
12 **UNITED STATES GEOLOGICAL SURVEY.**

13 *Section 9507 of the Omnibus Public Land Manage-*
14 *ment Act of 2009 (42 U.S.C. 10367) is amended—*

15 (1) *in subsection (a)—*

16 (A) *by striking the subsection heading and*
17 *inserting “FEDERAL PRIORITY STREAMGAGE*
18 *PROGRAM”;*

19 (B) *in paragraph (1), by striking “national*
20 *streamflow information program, as reviewed by*
21 *the National Research Council in 2004” and in-*
22 *serting “Federal priority streamgage program”;*

23 (C) *in paragraph (2)—*

24 (i) *by striking “national streamflow*
25 *information program” each place it appears*

1 and inserting “Federal priority streamgange
2 program”; and

3 (ii) in subparagraph (C)—

4 (I) in clause (i), by striking
5 “and” at the end;

6 (II) in clause (ii), by inserting
7 “and” after the semicolon at the end;

8 and

9 (III) by adding at the end the fol-
10 lowing:

11 “(iii) the conduct of groundwater qual-
12 ity assessments relating to permafrost thaw
13 and changes in precipitation rates;”;

14 (D) in paragraph (4)—

15 (i) in subparagraph (A)—

16 (I) in the matter preceding clause
17 (i), by striking “10 years” and insert-
18 ing “25 years”;

19 (II) in clause (i), by striking “na-
20 tional streamflow information pro-
21 gram” and inserting “Federal priority
22 streamgange program”; and

23 (III) in clause (ii), by inserting
24 “precipitation” before “water-quality
25 sensors”;

1 (ii) in subparagraph (B), by striking
2 “National Streamflow Information Pro-
3 gram plan as reviewed by the National Re-
4 search Council” and inserting “Federal
5 needs established through regular sollicita-
6 tion of feedback, such as the feedback docu-
7 mented in the report entitled ‘Re-
8 prioritization of the U.S. Geological Survey
9 Federal Priority streamgauge program, 2022’
10 (Open-file Report 2023–1032)”; and

11 (iii) by adding at the end the fol-
12 lowing:

13 “(C) *PRIORITY SITES.*—In selecting sites for
14 the installation of streamgages under subpara-
15 graph (A), the Secretary shall give priority to re-
16 gions of the United States Geological Survey in
17 which there is—

18 “(i) a high level of drought;

19 “(ii) a reliance on reservoirs for water
20 storage;

21 “(iii) a reliance on hydrologic storage,
22 including groundwater, aquifers, and
23 snowpack; and

24 “(iv) flooding and extreme rainfall.

1 “(D) *NO IMPACT ON EXISTING SITES.*—The
2 *priority provided under subparagraph (C) shall*
3 *have no impact on any site or region in which*
4 *a streamgage has been installed, and is oper-*
5 *ating, as of the date of enactment of the National*
6 *Landslide Preparedness Act Reauthorization Act*
7 *of 2024, subject to the condition that the data*
8 *from such a site or region are continuing to meet*
9 *the priority needs of stakeholders, as determined*
10 *by the Secretary.”;*

11 (E) *in paragraph (5), by striking “national*
12 *streamgaging network” each place it appears*
13 *and inserting “Federal priority streamgage net-*
14 *work”;* and

15 (F) *in paragraph (6)—*

16 (i) *in subparagraph (A)—*

17 (I) *by striking “national*
18 *streamflow information program” and*
19 *inserting “Federal priority streamgage*
20 *program”;* and

21 (II) *by striking “2023” and in-*
22 *serting “2028”;* and

23 (ii) *in subparagraph (B), by striking*
24 *“\$10,000,000 for each of fiscal years 2009*

1 *through 2019” and inserting “\$100,000,000*
2 *for each of fiscal years 2024 through 2031”;*

3 (2) *in subsection (b)—*

4 (A) *in paragraph (2)—*

5 (i) *in subparagraph (B), in the matter*
6 *preceding clause (i), by striking “and State*
7 *and local water resource agencies” and in-*
8 *serting “, State and local water resource*
9 *agencies, Indian tribes, Tribal organiza-*
10 *tions, and Native Hawaiian Communities”;*
11 *and*

12 (ii) *in subparagraph (C)—*

13 (I) *by inserting “or on Tribal*
14 *land” after “within a State”; and*

15 (II) *by inserting “, Indian tribe,*
16 *Tribal organization, or Native Hawai-*
17 *ian Community” after “water resource*
18 *agency”;*

19 (B) *in paragraph (6)—*

20 (i) *by striking “give priority to those*
21 *activities” and inserting the following: “give*
22 *priority to—*

23 *“(A) activities”;*

24 (ii) *in subparagraph (A) (as so des-*
25 *ignated)—*

1 (I) by inserting “, Indian tribe,
2 Tribal organization, Native Hawaiian
3 Community,” after “a State”; and

4 (II) by striking the period at the
5 end and inserting a semicolon; and

6 (iii) by adding at the end the fol-
7 lowing:

8 “(B) activities conducted in regions of the
9 United States Geological Survey in which there
10 is—

11 “(i) a high level of drought;

12 “(ii) a reliance on reservoirs for water
13 storage;

14 “(iii) a reliance on hydrologic storage,
15 including groundwater, aquifers, and
16 snowpack; and

17 “(iv) flooding and extreme rainfall.”;

18 and

19 (C) in paragraph (7), by striking “are au-
20 thorized to be appropriated such sums as are
21 necessary to carry out this subsection for the pe-
22 riod of fiscal years 2009 through 2023” and in-
23 serting “is authorized to be appropriated
24 \$4,000,000 to carry out this subsection for each
25 of fiscal years 2023 through 2028”;

- 1 (3) *by striking subsection (c);*
- 2 (4) *by redesignating subsection (d) as subsection*
- 3 *(c); and*
- 4 (5) *in paragraph (4) of subsection (c) (as so re-*
- 5 *designated), by striking “2019” and inserting “2028”.*

Calendar No. 481

118TH CONGRESS
2^D SESSION

S. 3788

A BILL

To reauthorize the National Landslide
Preparedness Act, and for other purposes.

August 1, 2024

Reported with an amendment