

## Calendar No. 299

117TH CONGRESS  
2D SESSION**S. 2433****[Report No. 117–91]**

To require the Secretary of the Interior to develop and maintain a cadastre  
of Federal real property.

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## IN THE SENATE OF THE UNITED STATES

JULY 22, 2021

Mr. CRAMER (for himself and Mr. HEINRICH) introduced the following bill;  
which was read twice and referred to the Committee on Energy and Nat-  
ural Resources

MARCH 2, 2022

Reported by Mr. MANCHIN, with an amendment

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

To require the Secretary of the Interior to develop and  
maintain a cadastre of Federal real property.

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 “Federal Land Asset  
5       Inventory Reform Act of 2021”.

1 **SEC. 2. CADASTRE OF FEDERAL REAL PROPERTY.**

2 (a) **DEFINITIONS.**—In this section:

3 (1) **CADASTRE.**—

4 (A) **IN GENERAL.**—The term “cadastre”  
 5 means an inventory of real property developed  
 6 through collecting, storing, retrieving, or dis-  
 7 seminating graphical or digital data depicting  
 8 natural or man-made physical features, phe-  
 9 nomena, or boundaries of the earth, and any in-  
 10 formation related to the data, including—

11 (i) surveys;

12 (ii) maps;

13 (iii) charts;

14 (iv) satellite and airborne remote  
 15 sensing data;

16 (v) images; and

17 (vi) services of an architectural or en-  
 18 gineering nature performed by 1 or more  
 19 professionals, as authorized to perform the  
 20 services under State law, if applicable;  
 21 such as—

22 (I) a surveyor;

23 (II) a photogrammetrist;

24 (III) a hydrographer;

25 (IV) a geodesist; or

26 (V) a cartographer.

1           (B) INCLUSIONS.—The term “cadastre”  
2 includes—

3           (i) a reference frame consisting of a  
4 current geodetic network that is consistent  
5 with, and not duplicative of, the National  
6 Geodetic Survey of the National Oceanic and  
7 Atmospheric Administration;

8           (ii) a series of current and accurate  
9 large-scale maps;

10          (iii) an existing cadastral boundary  
11 overlay delineating all cadastral parcels;

12          (iv) a system for indexing and identi-  
13 fying each cadastral parcel; and

14          (v) a series of land data files, each in-  
15 cluding the parcel identifier, which can be  
16 used to retrieve information and cross-ref-  
17 erence between and among other existing  
18 data files that may contain information  
19 about the use, assets, and infrastructure of  
20 each parcel.

21       (2) DEPARTMENT.—The term “Department”  
22 means the Department of the Interior.

23       (3) FEDERAL REAL PROPERTY.—The term  
24 “Federal real property” means any real property

1 owned, leased, or otherwise managed by the Federal  
2 Government.

3 (4) LANDHOLDING AGENCY.—The term “land-  
4 holding agency” means a Federal department or  
5 agency with statutory authority to control real prop-  
6 erty.

7 (5) REAL PROPERTY.—The term “real prop-  
8 erty” means real estate consisting of—

9 (A) land;

10 (B) buildings, crops, forests, or other re-  
11 sources still attached to or within the land;

12 (C) improvements or fixtures permanently  
13 attached to the land;

14 (D) any structure on the land; or

15 (E) any interest, benefit, right, or privilege  
16 in the property described in subparagraphs (A)  
17 through (D).

18 (6) SECRETARY.—The term “Secretary” means  
19 the Secretary of the Interior.

20 (b) CADASTRE OF FEDERAL REAL PROPERTY.—

21 (1) INTERAGENCY DATA STANDARDIZATION.—

22 Not later than 18 months after the date of enact-  
23 ment of this Act, the Secretary, in consultation with  
24 the heads of landholding agencies, shall jointly de-  
25 velop and adopt interagency standards to ensure

1 compatibility and interoperability among applicable  
 2 Federal databases with respect to the collection and  
 3 dissemination of data relating to Federal real prop-  
 4 erty.

5 (2) DEVELOPMENT OF CADASTRE.—Not later  
 6 than 2 years after the date of enactment of this Act,  
 7 the Secretary, in consultation with the heads of  
 8 landholding agencies, shall develop (and thereafter  
 9 maintain) a current and accurate multipurpose ca-  
 10 dastre of Federal real property and any real prop-  
 11 erty included under paragraph (3)(A) to support  
 12 Federal land management activities on Federal real  
 13 property, including—

14 (A) resource development and conserva-  
 15 tion;

16 (B) agricultural use;

17 (C) active forest management;

18 (D) environmental protection; and

19 (E) other use of the real property.

20 (3) COST-SHARING.—

21 (A) IN GENERAL.—The Secretary may  
 22 enter into cost-sharing agreements with States  
 23 to include any non-Federal land in a State in  
 24 the cadastre under paragraph (2).

1           ~~(B) COST SHARE.~~—The Federal share of  
 2           any cost-sharing agreement described in sub-  
 3           paragraph ~~(A)~~ shall not exceed 50 percent of  
 4           the total cost to a State for the development of  
 5           the cadastre of non-Federal land in the State.

6           ~~(4) CONSOLIDATION AND REPORT.~~—Not later  
 7           than 180 days after the date of enactment of this  
 8           Act, the Secretary shall submit to the Committee on  
 9           Energy and Natural Resources of the Senate and  
 10          the Committee on Natural Resources of the House  
 11          of Representatives a report describing—

12                 ~~(A)~~ the existing real property inventories  
 13                 or any components of any cadastre of Federal  
 14                 real property currently authorized by law or  
 15                 maintained by the Department, including—

16                         (i) the statutory authorization for  
 17                         each existing real property inventory or  
 18                         component of a cadastre; and

19                         (ii) the amount expended by the Fed-  
 20                         eral Government for each existing real  
 21                         property inventory or component of a ca-  
 22                         dastre in fiscal year 2020;

23                 ~~(B)~~ the existing real property inventories  
 24                 or any components of any cadastre of Federal  
 25                 real property currently authorized by law or

1 maintained by the Department that will be  
2 eliminated or consolidated into the multipurpose  
3 cadastral under paragraph (2);

4 (C)(i) the existing real property inventories  
5 or any components of any cadastral of Federal  
6 real property currently authorized by law or  
7 maintained by the Department that will not be  
8 eliminated or consolidated into the multipurpose  
9 cadastral under paragraph (2); and

10 (ii) a justification for not eliminating or  
11 consolidating an existing real property inven-  
12 tory or component of a cadastral described in  
13 clause (i) into the multipurpose cadastral under  
14 paragraph (2);

15 (D) the use of existing real property inven-  
16 tories or any components of any cadastral cur-  
17 rently maintained by any unit of State or local  
18 government that can be used to identify Federal  
19 real property within that unit of government;

20 (E) the cost savings that will be achieved  
21 by eliminating or consolidating duplicative or  
22 unneeded real property inventories or any com-  
23 ponents of any cadastral of Federal real prop-  
24 erty currently authorized by law or maintained

1 by the Department that will become part of the  
2 multipurpose cadastral under paragraph (2);

3 (F) a plan for the implementation of this  
4 section, including a cost estimate and an assess-  
5 ment of the feasibility of using revenue from  
6 any transactional activity authorized by law to  
7 offset any costs of implementing this section;

8 (G) an assessment described in subpara-  
9 graphs (A) through (E) with regard to each ca-  
10 dastre and inventory of Federal real property  
11 authorized, operated, or maintained by each  
12 other Federal agency, which shall be conducted  
13 in consultation with the Director of the Office  
14 of Management and Budget, the Administrator  
15 of the General Services Administration, and the  
16 Comptroller General of the United States; and

17 (H) recommendations for any legislation  
18 necessary to increase the cost savings and en-  
19 hance the effectiveness and efficiency of replac-  
20 ing, eliminating, or consolidating Federal real  
21 property inventories or any components of any  
22 cadastral of Federal real property currently au-  
23 thorized by law or maintained by the Depart-  
24 ment.

25 (5) COORDINATION.—



(A) IN GENERAL.—In carrying out this section, the Secretary shall—

(i) participate (in accordance with section 216 of the E-Government Act of 2002 (44 U.S.C. 3501 note; Public Law 107–347) and section 757 of the Geospatial Data Act of 2018 (43 U.S.C. 2806)) in the establishment of such standards and common protocols as are necessary to ensure the interoperability of geospatial information pertaining to the cadastre under paragraph (2) for all users of the information;

(ii) coordinate with, seek assistance and cooperation of, and provide liaison to the Federal Geographic Data Committee established by section 753(a) of the Geospatial Data Act of 2018 (43 U.S.C. 2802(a)) for the implementation of and compliance with such standards and requirements of that Act as may be applicable to—

(I) the cadastre under paragraph

(2); and

1                   (HI) any aspect of the develop-  
 2                   ment of the cadastre under paragraph  
 3                   (2);

4                   (iii) integrate, or make the cadastre  
 5                   interoperable with, the Federal Real Prop-  
 6                   erty Profile or other inventories established  
 7                   pursuant to Executive Order 13327 (40  
 8                   U.S.C. 121 note; relating to Federal real  
 9                   property asset management); the Federal  
 10                  Assets Sale and Transfer Act of 2016 (40  
 11                  U.S.C. 1303 note; Public Law 114–287);  
 12                  or the Federal Property Management Re-  
 13                  form Act of 2016 (Public Law 114–318;  
 14                  130 Stat. 1608); and

15                  (iv) to the maximum extent prac-  
 16                  ticable, integrate with and leverage current  
 17                  cadastre activities of units of State and  
 18                  local government.

19                  (B) ~~CONTRACTS CONSIDERED SURVEYING~~  
 20                  AND MAPPING.—

21                  (i) ~~IN GENERAL.~~—A contract between  
 22                  the Secretary and a member of the private  
 23                  sector to provide products and services for  
 24                  the development of the cadastre shall be  
 25                  considered to be a contract for services of

1 surveying and mapping (within the mean-  
 2 ing of chapter 11 of title 40, United States  
 3 Code).

4 (ii) ~~SELECTION PROCEDURES.—A~~  
 5 contract described in clause (i) shall be en-  
 6 tered into in accordance with the selection  
 7 procedures in chapter 11 of title 40,  
 8 United States Code.

9 (c) ~~TRANSPARENCY AND PUBLIC ACCESS.—The Sec-~~

10 retary shall—

11 (1) in accordance with any requirements appli-  
 12 cable to the Department under section 759 of the  
 13 Geospatial Data Act of 2018 (43 U.S.C. 2808),  
 14 make the cadastre under subsection (b)(2) publicly  
 15 available on the internet—

16 (A) in a graphically geo-enabled and  
 17 searchable format; and

18 (B) in a manner that is consistent with,  
 19 and meets any requirements for integration  
 20 with, the GeoPlatform established under section  
 21 758(a) of that Act (43 U.S.C. 2807(a));

22 (2) ensure that the inventory referred to in sub-  
 23 section (b) includes the identification of all land suit-  
 24 able for disposal in accordance with the Federal

1 Land Policy and Management Act of 1976 (43  
2 U.S.C. 1701 et seq.); and

3 ~~(3) in consultation with the Secretary of De-~~  
4 ~~fense and the Secretary of Homeland Security, pre-~~  
5 ~~vent the disclosure of any parcel or parcels of land,~~  
6 ~~any buildings or facilities on the land, or any infor-~~  
7 ~~mation related to the land, buildings, or facilities if~~  
8 ~~that disclosure would impair or jeopardize the na-~~  
9 ~~tional security or homeland defense of the United~~  
10 ~~States.~~

11 (d) APPLICABLE LAW.—Any data that is part of the  
12 cadastre developed under subsection (b)(2) shall be—

13 (1) considered to be geospatial data for pur-  
14 poses of the Geospatial Data Act of 2018 (43 U.S.C.  
15 2801 et seq.); and

16 (2) subject to the requirements of that Act.

17 (e) EFFECT.—Nothing in this section—

18 (1) creates any substantive or procedural right  
19 or benefit; or

20 (2) requires or authorizes—

21 (A) any new surveying or mapping of Fed-  
22 eral real property;

23 (B) the evaluation of any parcel of land or  
24 other real property for potential management  
25 by a non-Federal entity;

1           (C) the disposal of any Federal real prop-  
 2           erty; or

3           (D) any new appraisal or assessment of—

4                 (i) the value of any parcel of Federal  
 5                 land or other real property; or

6                 (ii) the cultural and archaeological re-  
 7                 sources on any parcel of Federal land or  
 8                 other real property.

9   **SECTION 1. SHORT TITLE.**

10       *This Act may be cited as the “Federal Land Asset In-*  
 11       *ventory Reform Act of 2021”.*

12   **SEC. 2. CADASTRE OF FEDERAL REAL PROPERTY.**

13       (a) *DEFINITIONS.—In this section:*

14           (1) *CADASTRE.—*

15                 (A) *IN GENERAL.—The term “cadastre”*  
 16                 *means an inventory of real property developed*  
 17                 *through collecting, storing, retrieving, or dissemi-*  
 18                 *nating graphical or digital data depicting nat-*  
 19                 *ural or man-made physical features, phenomena,*  
 20                 *or boundaries of the earth, and any information*  
 21                 *related to the data, including—*

22                         (i) *surveys;*

23                         (ii) *maps;*

24                         (iii) *charts;*

(iv) *satellite and airborne remote sensing data;*

(v) *images; and*

(vi) *services of an architectural or engineering nature performed by 1 or more professionals, as authorized to perform the services under State law, if applicable, such as—*

*(I) a surveyor;*

*(II) a photogrammetrist;*

*(III) a hydrographer;*

*(IV) a geodesist; or*

*(V) a cartographer.*

*(B) INCLUSIONS.—The term “cadastre” includes—*

*(i) a reference frame consisting of a current geodetic network that is consistent with, and not duplicative of, the National Geodetic Survey of the National Oceanic and Atmospheric Administration;*

*(ii) a series of current and accurate large-scale maps;*

*(iii) an existing cadastral boundary overlay delineating all cadastral parcels;*

1                   (iv) a system for indexing and identi-  
2                   fying each cadastral parcel; and

3                   (v) a series of land data files, each in-  
4                   cluding the parcel identifier, which can be  
5                   used to retrieve information and cross-ref-  
6                   erence between and among other existing  
7                   data files that may contain information  
8                   about the use, assets, and infrastructure of  
9                   each parcel.

10               (2) *FEDERAL REAL PROPERTY*.—The term “Fed-  
11               eral real property” means any real property owned,  
12               leased, or otherwise managed by the Secretary con-  
13               cerned.

14               (3) *REAL PROPERTY*.—The term “real property”  
15               means real estate consisting of—

16                   (A) land;

17                   (B) buildings, crops, forests, or other re-  
18                   sources still attached to or within the land;

19                   (C) improvements or fixtures permanently  
20                   attached to the land;

21                   (D) any structure on the land; or

22                   (E) any interest, benefit, right, or privilege  
23                   in the property described in subparagraphs (A)  
24                   through (D).

(4) *SECRETARY CONCERNED.*—*The term “Secretary concerned” means—*

(A) *the Secretary of the Interior; or*

(B) *the Secretary of Agriculture, acting through the Chief of the Forest Service.*

(b) *CADASTRE OF FEDERAL REAL PROPERTY.*—

(1) *INTERAGENCY DATA STANDARDIZATION.*—*Not later than 18 months after the date of enactment of this Act, the Secretaries concerned shall jointly develop and adopt interagency standards to ensure compatibility and interoperability among applicable Federal databases with respect to the collection and dissemination of data relating to Federal real property.*

(2) *DEVELOPMENT OF CADASTRE.*—*Not later than 2 years after the date of enactment of this Act, the Secretaries concerned, subject to the availability of appropriations, shall develop (and thereafter maintain) a current and accurate multipurpose cadastre of Federal real property under the jurisdiction of the Secretaries concerned to support Federal land management activities on Federal real property, including—*

(A) *resource development and conservation;*

(B) *agricultural use;*

(C) *active forest management;*



1                   (D) environmental protection; and

2                   (E) other use of the real property.

3                   (3) CONSOLIDATION AND REPORT.—Not later  
4 than 180 days after the date of enactment of this Act,  
5 the Secretaries concerned shall submit to the Com-  
6 mittee on Energy and Natural Resources of the Sen-  
7 ate and the Committee on Natural Resources of the  
8 House of Representatives a report describing—

9                   (A) the existing real property inventories or  
10 any components of any cadastre of Federal real  
11 property currently authorized by law or main-  
12 tained by the Secretary concerned, including—

13                   (i) the statutory authorization for each  
14 existing real property inventory or compo-  
15 nent of a cadastre; and

16                   (ii) the amount expended by the Fed-  
17 eral Government for each existing real prop-  
18 erty inventory or component of a cadastre  
19 in fiscal year 2020;

20                   (B) the existing real property inventories or  
21 any components of any cadastre of Federal real  
22 property currently authorized by law or main-  
23 tained by the Secretary concerned that will be  
24 eliminated or consolidated into the multipurpose  
25 cadastre under paragraph (2);

1           (C)(i) *the existing real property inventories*  
2           *or any components of any cadastre of Federal*  
3           *real property currently authorized by law or*  
4           *maintained by the Secretary concerned that will*  
5           *not be eliminated or consolidated into the multi-*  
6           *purpose cadastre under paragraph (2); and*

7           (ii) *a justification for not eliminating or*  
8           *consolidating an existing real property inventory*  
9           *or component of a cadastre described in clause*  
10          *(i) into the multipurpose cadastre under para-*  
11          *graph (2);*

12          (D) *the use of existing real property inven-*  
13          *tories or any components of any cadastre cur-*  
14          *rently maintained by any unit of State or local*  
15          *government that can be used to identify Federal*  
16          *real property within that unit of government;*

17          (E) *the cost savings that will be achieved by*  
18          *eliminating or consolidating duplicative or*  
19          *unneded real property inventories or any com-*  
20          *ponents of any cadastre of Federal real property*  
21          *currently authorized by law or maintained by*  
22          *the Secretary concerned that will become part of*  
23          *the multipurpose cadastre under paragraph (2);*

24          (F) *a plan for the implementation of this*  
25          *section, including a cost estimate and an assess-*

1        *ment of the feasibility of using revenue from any*  
 2        *transactional activity authorized by law to offset*  
 3        *any costs of implementing this section; and*

4            *(G) recommendations for any legislation*  
 5        *necessary to increase the cost savings and en-*  
 6        *hance the effectiveness and efficiency of replac-*  
 7        *ing, eliminating, or consolidating Federal real*  
 8        *property inventories or any components of any*  
 9        *cadastre of Federal real property currently au-*  
 10       *thorized by law or maintained by the Secretary*  
 11       *concerned.*

12       *(4) COORDINATION.—*

13            *(A) IN GENERAL.—In carrying out this sec-*  
 14       *tion, the Secretaries concerned shall—*

15            *(i) participate (in accordance with sec-*  
 16       *tion 216 of the E-Government Act of 2002*  
 17       *(44 U.S.C. 3501 note; Public Law 107–347)*  
 18       *and section 757 of the Geospatial Data Act*  
 19       *of 2018 (43 U.S.C. 2806)) in the establish-*  
 20       *ment of such standards and common proto-*  
 21       *cols as are necessary to ensure the inter-*  
 22       *operability of geospatial information per-*  
 23       *taining to the cadastre under paragraph (2)*  
 24       *for all users of the information;*

1           (ii) coordinate with, seek assistance  
2           and cooperation of, and provide liaison to  
3           the Federal Geographic Data Committee es-  
4           tablished by section 753(a) of the Geospatial  
5           Data Act of 2018 (43 U.S.C. 2802(a)) for  
6           the implementation of and compliance with  
7           such standards and requirements of that Act  
8           as may be applicable to—

9                   (I) the cadastre under paragraph  
10                  (2); and

11                  (II) any aspect of the development  
12                  of the cadastre under paragraph (2);

13           (iii) integrate, or make the cadastre  
14           interoperable with, the Federal Real Prop-  
15           erty Profile or other inventories established  
16           pursuant to Executive Order 13327 (40  
17           U.S.C. 121 note; relating to Federal real  
18           property asset management), the Federal  
19           Assets Sale and Transfer Act of 2016 (40  
20           U.S.C. 1303 note; Public Law 114–287), or  
21           the Federal Property Management Reform  
22           Act of 2016 (Public Law 114–318; 130 Stat.  
23           1608); and

24           (iv) to the maximum extent prac-  
25           ticable, integrate with and leverage current

1                   *cadastre activities of units of State and*  
 2                   *local government.*

3                   *(B) CONTRACTS CONSIDERED SURVEYING*  
 4                   *AND MAPPING.—*

5                   *(i) IN GENERAL.—A contract between*  
 6                   *the Secretaries concerned and a member of*  
 7                   *the private sector to provide products and*  
 8                   *services for the development of the cadastre*  
 9                   *shall be considered to be a contract for serv-*  
 10                   *ices of surveying and mapping (within the*  
 11                   *meaning of chapter 11 of title 40, United*  
 12                   *States Code).*

13                   *(ii) SELECTION PROCEDURES.—A con-*  
 14                   *tract described in clause (i) shall be entered*  
 15                   *into in accordance with the selection proce-*  
 16                   *dures in chapter 11 of title 40, United*  
 17                   *States Code.*

18                   *(c) TRANSPARENCY AND PUBLIC ACCESS.—The Sec-*  
 19                   *retary concerned shall—*

20                   *(1) in accordance with any requirements appli-*  
 21                   *cable to the Secretary concerned under section 759 of*  
 22                   *the Geospatial Data Act of 2018 (43 U.S.C. 2808),*  
 23                   *make the cadastre under subsection (b)(2) publicly*  
 24                   *available on the internet—*

1           (A) in a graphically geo-enabled and  
2           searchable format; and

3           (B) in a manner that is consistent with,  
4           and meets any requirements for integration with,  
5           the GeoPlatform established under section 758(a)  
6           of that Act (43 U.S.C. 2807(a));

7           (2) ensure that the inventory referred to in sub-  
8           section (b) includes the identification of all land suit-  
9           able for disposal and the appraised value of the land,  
10          if an appraisal has been conducted, in accordance  
11          with the Federal Land Policy and Management Act  
12          of 1976 (43 U.S.C. 1701 et seq.); and

13          (3) in consultation with the Secretary of Defense  
14          and the Secretary of Homeland Security, prevent the  
15          disclosure of any parcel or parcels of land, any build-  
16          ings or facilities on the land, or any information re-  
17          lated to the land, buildings, or facilities if that disclo-  
18          sure would impair or jeopardize the national security  
19          or homeland defense of the United States.

20          (d) *APPLICABLE LAW*.—Any data that is part of the  
21          cadastre developed under subsection (b)(2) shall be—

22               (1) considered to be geospatial data for purposes  
23               of the Geospatial Data Act of 2018 (43 U.S.C. 2801  
24               et seq.); and

25               (2) subject to the requirements of that Act.

1       (e) *EFFECT.—Nothing in this section—*

2               (1) *creates any substantive or procedural right*  
3       *or benefit; or*

4               (2) *requires or authorizes—*

5                       (A) *any new surveying or mapping of Fed-*  
6       *eral real property;*

7                       (B) *the evaluation of any parcel of land or*  
8       *other real property for potential management by*  
9       *a non-Federal entity;*

10                      (C) *the disposal of any Federal real prop-*  
11       *erty; or*

12                      (D) *any new appraisal or assessment of—*

13                               (i) *the value of any parcel of Federal*  
14       *land or other real property; or*

15                               (ii) *the cultural and archaeological re-*  
16       *sources on any parcel of Federal land or*  
17       *other real property.*

Calendar No. 299

117<sup>TH</sup> CONGRESS  
2D Session

**S. 2433**

[Report No. 117-91]

**A BILL**

To require the Secretary of the Interior to develop and maintain a cadastre of Federal real property.

MARCH 2, 2022

Reported with an amendment