

Comparative Print: Changes in Existing Law for Bill number:

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Summary

- (1) 5 amendments.
- (2) 0 automated notifications.

Current Law(s) being amended

[1. Infrastructure Investment and Jobs Act](#)

Comparative Print: Changes in Existing Law

1. Infrastructure Investment and Jobs Act

[As Amended Through P.L. 118–159, Enacted December 23,
2024]

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DIVISION D—ENERGY

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TITLE II—SUPPLY CHAINS FOR CLEAN ENERGY TECHNOLOGIES

Sec. 40201. EARTH MAPPING RESOURCES INITIATIVE.

(a) **Definition of Critical Mineral.**— In this section, the term “critical mineral” has the meaning given the term in section 7002(a) of the Energy Act of 2020 (30 U.S.C. 1606(a)).

(b) **Establishment.**— There is established within the United States Geological Survey an initiative, to be known as the “Earth Mapping Resources Initiative” (referred to in this section as the “Initiative”).

(c) **Purpose.**— The purpose of the Initiative shall be to accelerate efforts to carry out the fundamental resources and mapping mission of the United States Geological Survey by—

(1) providing integrated topographic, geologic, geochemical, and geophysical mapping, which may include data derived from modern sensing technologies, including advanced geophysical data acquisition approaches, digital geochemistry and other advanced geochemical characterization methods, real-time or near real-time data acquisition systems, and data-driven analytical methods to improve the characterization of critical mineral, geothermal, natural hydrogen, and other subsurface resource systems;

(2) accelerating the integration and consolidation of geospatial and resource data; and

(3) providing interpretation of subsurface and above-ground mineral resources data.

(d) **Cooperative Agreements.**—

(1) **In general.**— In carrying out the Initiative, the Director of the United States Geological Survey may enter into cooperative agreements with State geological surveys.

(2) **Effect.**— Nothing in paragraph (1) precludes the Director of the United States Geological Survey from using existing contracting authorities in carrying out the Initiative.

(e) **Comprehensive Mapping Modernization.**—

(1) **In general.**— Not later than 10 years after the date of enactment of this Act, the Initiative shall complete an initial comprehensive national modern surface and subsurface mapping and data integration effort.

(2) **Approach.**— In carrying out paragraph (1) with regard to minerals, mineralization, and mineral deposits, the Initiative shall focus on the full range of minerals, using a whole ore body approach rather than a single commodity approach, to emphasize all of the recoverable critical minerals in a given surface or subsurface deposit.

(3) **Priority.**— In carrying out paragraph (1) with regard to minerals, mineralization, and mineral deposits, the Initiative shall prioritize mapping and assessing critical minerals.

(4) **Inclusions.**— In carrying out paragraph (1), the Initiative shall also—

(A) map and collect data for areas containing mine waste to increase understanding of above-ground critical mineral resources in previously disturbed areas; and

(B) provide for analysis of samples, including samples within the National Geological and Geophysical Data Preservation Program established under section 351(b) of the Energy Policy Act of 2005 (42 U.S.C. 15908(b)) for the occurrence of critical minerals.

(f) **Availability.**— The Initiative shall make the geospatial data and metadata gathered by the Initiative under subsection (e)(1) electronically publicly accessible on an ongoing basis.

(g) **Integration of Data Sources.**— The Initiative shall integrate data sources, including data from—

(1) the National Cooperative Geologic Mapping Program established by section 4(a)(1) of the National Geologic Mapping Act of 1992 (43 U.S.C. 31c(a)(1));

(2) the National Geological and Geophysical Data Preservation Program established under section 351(b) of the Energy Policy Act of 2005 (42 U.S.C. 15908(b));

(3) the USMIN Mineral Deposit Database of the United States Geological Survey;

(4) the 3D Elevation Program established under section 5(a) of the National Landslide Preparedness Act (43 U.S.C. 3104(a)); and

(5) the 3D Hydrography Program of the United States Geological Survey; and

(5) other relevant sources, including sources providing geothermal resources data.

(h) **Authorization of Appropriations.**— There is authorized to be appropriated to the Secretary to carry out this section \$320,000,000 for the period of fiscal years 2022 through 2026 and \$84,000,000 for the period of fiscal years 2027 through 2031, to remain available until expended.

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About this report

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