

# PROGRESS REPORT: National Spatial Data Infrastructure (NSDI)

Fall 2024

Theme	Grade in 2015	Grade in 2018	Grade in 2024
ADDRESS DATA	N/A	B+	B
CADASTRAL DATA	D+	C-	C-
ELEVATION DATA	C+	B-	A-
GEODETIC CONTROL DATA	B+	A-	A-
GOVERNMENT UNITS DATA	C	A-	A-
HYDROGRAPHY DATA	C	B-	B-
ORTHOIMAGERY DATA	C+	B-	B
TRANSPORTATION DATA	D	C	C
<b>OVERALL NSDI GRADE</b>	<b>C-</b>	<b>N/A</b>	<b>C-</b>

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In October 2024, the Coalition of Geospatial Organizations (COGO) released its third Assessment on the U.S. National Spatial Data Infrastructure. The NSDI Assessment describes the condition of the Nation’s information about roads, water, land, air, bridges, dams, topography and more. **The Overall NSDI grade includes technology, policy, funding and people, in addition to data theme grades.** The goal of the NSDI Assessment is to bring attention to the need for current, accurate geospatial data for the Nation, which is essential for maintaining our physical infrastructure, but also for:

- Routing emergency responders to correct addresses faster, and evacuating people in the path of natural disasters
- Monitoring and responding to threats to public health, as well as environmental threats
- Responding to the need for jobs, education, health care, foster homes, and other social services
- Urban planning for transportation, housing, schools, shelters, and retail stores that facilitates economic growth
- Managing transportation, expansion of mass transit and utilities...and much more

The first two report cards drove significant change in the development and planning for the 2018 NSDI strategic plan, positively affected improvements in the portfolio management approach to the National Geospatial Data Assets and were a contributing factor in developing and enacting the Geospatial Data Act of 2018. The work leading to this third NSDI Assessment has already had an impact on the 2024 NSDI Strategic Plan.

Grading Criteria

- A = Fit for the Future: Data theme in excellent condition and meets the needs for the present and future
- B = Adequate for Now: Data theme in good condition, but some areas of the Nation require attention
- C = Requires Attention: Data theme in fair condition, but many areas of the Nation require attention
- D = At Risk: Data theme in poor condition and mostly below goals envisioned for NSDI
- F = Unfit for Purpose: Data theme in unacceptable condition and provides little to no value



COGO member organizations represent about 170,000 professionals who develop and use spatial data about the Nation’s man-made and natural features. COGO is delivering this Assessment to help Congress, the Administration, Federal agency executives, and others understand the importance of geospatial data and the shortcomings of the NSDI. To access the full Assessment when it’s published, go to: <https://cogo.pro> or access the QR code.

COGO Member Organizations

American Society of Civil Engineers (ASCE)	American Society for Photogrammetry and Remote Sensing (ASPRS)
American Association of Geographers (AAG)	Cartography and Geographic Information Society (CaGIS)
American Association for Geodetic Surveying (AAGS)	Geographic Information Systems Certification Institute (GISCI)
International Association of Assessing Officers (IAAO)	Management Association for Private Photogrammetric Surveyors (MAPPS)
National Society of Professional Surveyors (NSPS)	National States Geographic Information Council (NSGIC)
United States Geospatial Intelligence Foundation (USGIF)	University Consortium for Geographic Information Science (UCGIS)
Urban Regional Information Systems Association (URISA)	

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