

GEOSPATIAL MATURITY ASSESSMENT 2021

Michigan Report Card

Overall Grade: B+

COORDINATION	GRADE: A
STATE-LED THEMES	GRADE
Address	C+
Cadastre	B-
Elevation	A-
Orthoimagery Leaf-Off	B
Transportation	A
FEDERAL-LED THEMES	GRADE
Geodetic Control	A-
Government Units	A
Hydrography	B+
Orthoimagery Leaf-On	C+

METRICS:

A - Superior

B - Above average

C - Average

D - Below average

F - Failure

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



MICHIGAN GMA RESPONSE

The 2021 Geospatial Maturity Assessment (GMA) reflects Michigan's continued focus on key Spatial Data Infrastructure themes. Michigan has established data programs for transportation and government unit boundaries and is just beginning a multi-year statewide elevation derived hydrography project that will improve the accuracy and establish a long-term data maintenance program for that data theme. Michigan's score on address and cadastre reflects the current lack of a complete statewide dataset that is openly available today, however there is continued progress of state and local partnerships to share this data for inter-governmental purposes.

The 2021 GMA score of B for orthoimagery leaf-off does not completely reflect the well-established Michigan Statewide Authoritative Imagery and LiDAR (MiSAIL) program that has provided statewide coordination around statewide aerial imagery (leaf-off) and LiDAR elevation data acquisition since 2010. This program has provided high-resolution leaf-off aerial imagery to all state agencies and local partners that join into the program and provides a key foundation imagery layer for GIS programs around the state. Leaf-on imagery has not been a high priority for Michigan as leaf-off imagery is the primary requirement. Michigan uses the United State Department of Agriculture's National Aerial Imagery Program (NAIP) imagery for any leaf-on needs.

Michigan now has complete statewide QL2 level LiDAR data, and this has become a valuable data resource for many programs. The elevation-derived hydrography project starting up in Michigan will also leverage this data.

Michigan's coordination score reflects a lot of the coordination activities that are present across the state. Coordination for many of Michigan's GIS programs such as the Michigan Geographic Framework and the MiSAIL program are managed through the Center for Shared Solution (CSS) in the state's Department of Technology, Management and Budget. CSS coordinates GIS activities across the state in partnership with the two GIS associations, the Michigan Communities Association of Mapping Professional (MiCAMP) and the Improving Michigan's Access to Geographic Information Networks (IMAGIN) organization. Coordination and collaboration across state government agencies, local government partners, and federal partners have led to the success of the completed statewide QL2 LiDAR data, the launch of a new hydrography improvement program, continued progress on Next Generation 911 GIS Readiness, and many other programs.

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