2019 WLIA Foundational Layers

Completeness **d**iscoverability **A**ccessibility Scorecard

WISCONSIN LAND INFORMATION ASSOCIATION

Foundational Layer Category	Layer Subset	Statewide Geographic Completeness	Base Attribute Completeness	Data Discoverability	Data Accessibility	SCORE	Legal requirement being met?	A data standard?	A known update cycle?	A data custodian?	Pending legislative or policy direction?	Support protection of life and property?	Support economic development?	Support natural resource mgmt.?	Past Resource Allocation
										Priority Considerations					WLIP Funding is used for many of these layers by counties. This document is not intended to document the resource allocation for each county.
Street/Road Centerlines, Address Ranges, and Address Points	Address Points	5	1	2	3	55% Unsatisfactory	N/A	Yes	No	Yes	Yes	Yes	Yes	Yes	
	Street Centerlines w/ Address Range	4	1	1	2	40% Unsatisfactory	N/A	Yes	No	Yes	Yes	Yes	Yes	Yes	
	Street Centerlines w/o Address Range	5	5	2	2	70% Satisfactory	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	WI-DOT
Orthoimagery	Digital Orthophotography - Leaf On	5	N/A	5	5	100% Excellent	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	NAIP
	Digital Orthophotography - Leaf Off	5	N/A	5	3	86.7% Good	N/A	No	Yes	Yes	No	Yes	Yes	Yes	WROC
Elevation and Topographic	LiDAR	5	5	5	3	90% Very Good	N/A	Yes	Yes	Yes	No	Yes	Yes	Yes	USGS-3DEP/County
Hydrography, Hydrology, and Wetlands	Hydrography	5	5	5	5	100% Excellent	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	WI-DNR
	Wetlands	5	5	5	5	100% Excellent	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	WI-DNR
Zoning	Floodplains and Floodways	5	5	5	5	100% Excellent	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	FEMA (Funding for priority areas)
Soils Mapping, Land Cover and other Natural Resource Data	Soils	5	5	5	5	100% Excellent	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	WLIP funds, NRCS, and DATCP contributed funding
	Land Cover	5	3	5	3	80% Good	N/A	No	No	No	No	Yes	Yes	Yes	
Election and Administrative Boundary System	CTVs	5	5	5	5	100% Excellent	Yes	Yes	Yes	Yes	No	No	Yes	No	WI State Statute 5.15(4)(br)1
	Voting Wards	5	5	5	5	100% Excellent	Yes	Yes	Yes	Yes	No	No	No	No	WI State Statute 5.15(4)(br)1
	School Districts	5	5	5	5	100% Excellent	N/A	Yes	No	Yes	No	No	Yes	No	
Parcel Data	Parcels	5	4	4	5	90% Very Good	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	WLIP
	Zoning Districts	3	3	2	3	55% Unsatisfactory	N/A	No	No	No	No	No	Yes	Yes	
	Public Lands	4	0	2	2	40% Unsatisfactory	N/A	No	No	No	No	No	Yes	Yes	
Land Use	Planned Land Use	1	1	1	3	30% Unsatisfactory	N/A	No	No	No	Yes	Yes	Yes	Yes	
	Existing Land Use	2	2	1	2	35% Unsatisfactory	N/A	No	No	No	No	Yes	Yes	Yes	
Geographic Positioning Reference Frameworks	PLSS	4	3	4	4	75% Satisfactory	N/A	No	No	No	No	Yes	Yes	Yes	WLIP (Statewide Parcel Initiative), NGS
	CORS, NGS/HMP, USGS, County	5	5	5	4	95% Very Good	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	NGS, WI-HMP; State Planning & Research Work Program (SPR), Federal

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Completeness **D**iscoverability **A**ccessibiltiy Scorecard Notes

Foundational Layer Category	Layer Subset	Base Attribute Fields Bases on the percentage of attributes complete for the layer to be viable.	Notes
Street/Road Centerlines, Address Ranges, and Address Points	Address Points	*Base Address Number, Base name, Full Street Name, ZIP Code, Municipal FIPS, County FIPS, State FIPS, Parcel Number, Date edited, X and Y Coordinates*	WLIA Standard Only, Potential leg/funding thru NG911. Currently it is very difficult to find, access and use address points from multiple jurisdictions in Wisconsin.
	Street Centerlines w/ Address Range	From Address Left, From Address Right, To Address Left, To Address Right, Base Name, Full Street Name, FIPsMuniLeft, FIPsMuniRight, FIPsCountyLeft, FIPsCountyRight, FIPsStateCodeLeft, FIPsStateCodeRight, FromElevation, ToElevation, OneWay, SpeedLimit, Road Code	WLIA Standard Only, Potential leg/funding thru NG911 Currently it is very difficult to find, access and use street centerlines with address ranges from multiple jurisdictions in Wisconsin.
	Street Centerlines w/o Address Range	From_LINKID, To_LINKID	This layers score could improve if it were more discoverable and accessible.
Orthoimagery	Digital Orthophotography - Leaf On	N/A	This layer's score could improve if it were more accessible.
	Digital Orthophotography - Leaf Off	N/A	This layer is very complete discoverable and accessible.
Elevation and Topographic	LiDAR	X,Y,Z, base classification, hydro breaklines	This score could improve by increasing the accessibility of the data to the public.
Hydrography, Hydrology, and Wetlands	Hydrography	Water Body Identification Code, River System Name, Line Type Code, Water Duration Code, Water Flow, HYDROID	This layer is very complete discoverable and accessible.
	Wetlands	Wetland Code, Wetland Class, Wetland Subclass Description, Hydrologic Modifier, Special Modifier	This layer is very complete discoverable and accessible.
Zoning	Floodplains and Floodways	Floodplain: DFIRM, Flood Zone, Flood Zone Subtype	This layer is very complete discoverable and accessible.
Soils Mapping, Land Cover and other Natural Resource Data	Soils	Mapunit Key, Mapunit Symbol, Spatial Version, Area Symbol	This layer is very complete discoverable and accessible.
	Land Cover	Land Use Classification	NRCS, FSA crop data is absent, FARM BILL change must taken on by legisalture/DATCP and consumptive users. There is a property tax concern by NOT having this data. NRCS issue with soils WSFIRS
Election and Administrative Boundary System	MCDs	US Census FIPS Codes, Name, CTV	This layer is very complete discoverable and accessible.
	Voting Wards	US Census FIPS Codes, Municipal Name, CTV, Ward ID	This layer is very complete discoverable and accessible.
	School Districts	SDID (DPI School District ID), SDNM (DPI School District Name)	This layer is very complete discoverable and accessible. Recommend scheduled yearly update.
Parcel Data	Parcels	https://www.sco.wisc.edu/parcels/data/assets/V5/V5_Wisconsin_Statewide_Parcels_Schema_Docum	While resources such as the Parcels Feature Service exist, they are not advertised.
	Zoning Districts	Standardized Zone Code (eg. A-1), Generalized Zone (eg. Agriculture), Zone Description	Zoning codes are not standardized, or generalized, between jurisdictions.
	Public Lands	Owner, Permitted Use, Program	Possible to extract most government owned land from parcel layer, but does not indicate enrollments in MFL, FCL, WRP, CRP etc. No comprehensive layer of all public lands statewide is known. Pending Legislation/Policy/Funding: Wisconsin Coastal Management Program
Land Use	Planned Land Use	Current Land Use, Planned Land Use, Planned Zoning	No statewide layer exists
	Existing Land Use	Current Land Use	Integrate PRC data as a requirement in base budget funding. Utilize NG911 to work on this layer.
Geographic Positioning Reference Frameworks	PLSS	X,Y,Z,PLSS, Custodian, Last Update/Correction	No meta about update cycles and accuracy. The linked documents accessed on https://maps.sco.wisc.edu were considered to be part of the base attributes.
	CORS, NGS/HMP, USGS, County	ID, X, Y, Z, Custodian, Datums	Per Wis. Stat. s. 85.63(1)(b), the Wisconsin Department of Transportation (WisDOT) shall be responsible for developing, operating and maintaining the WISCORS Network

WLIA Foundational Layer Scorecard Criteria

	Grading Method	Scoring
Statewide Geographic Completeness	Bases on the percentage of area complete 0 - None 1 - 0-20% 2 - 20-40% 3 - 40-60% 4 - 60-80% 5 - 80-100%	0-5
Base Attribute Completeness	Bases on the percentage of attributes complete for the layer to be viable. N/A - Layer does not have attributes (i.e. Orthophotography) 0 - No attributes collected 1 - Attributes available with less than 75% of attributes meeting minimum attribute threshold 2 - Attributes available with more than 75% of attributes meeting minimum attribute threshold 3 - Less than 75% of attributes available in a standard schema 4 - More than 75% but less than 100% of attributes available in a standard schema 5 - Meets 100% of standard	0-5 or (NA)
Data Discovery	0 - None 1 - Metadata Search/Some Areas 2 - Metadata Search/All Areas 1 - Online Map Viewing/Some Areas 2 - Online Map Viewing/All Areas 4 - Mix of Metadata Search & Online Map Viewing/Some Areas 5 - Mix of Metadata Search & Online Map Viewing/All Areas	0-5
Data Accessibility	0 - None 1 - Formal Data Request/Some Areas 2 - Formal Data Request/All Areas 2 - On Demand Data Download/Some Areas 3 - On Demand Data Download/All Areas 1 - Streaming Service/Some Areas 2 - Streaming Service/All Areas 2 - Mix of some types of data accessibility 3 - Mix of all types of data accessibility 4 - Mix of Streaming Service & On Demand Data/Some Areas 5 - On Demand Data Download & Streaming Service/All Areas	0-5
GRADE	Excellent = 97-100% Very Good = 90-96% Good = 80-89% Satisfactory = 70-79% Below Satisfactory = 65-69%	