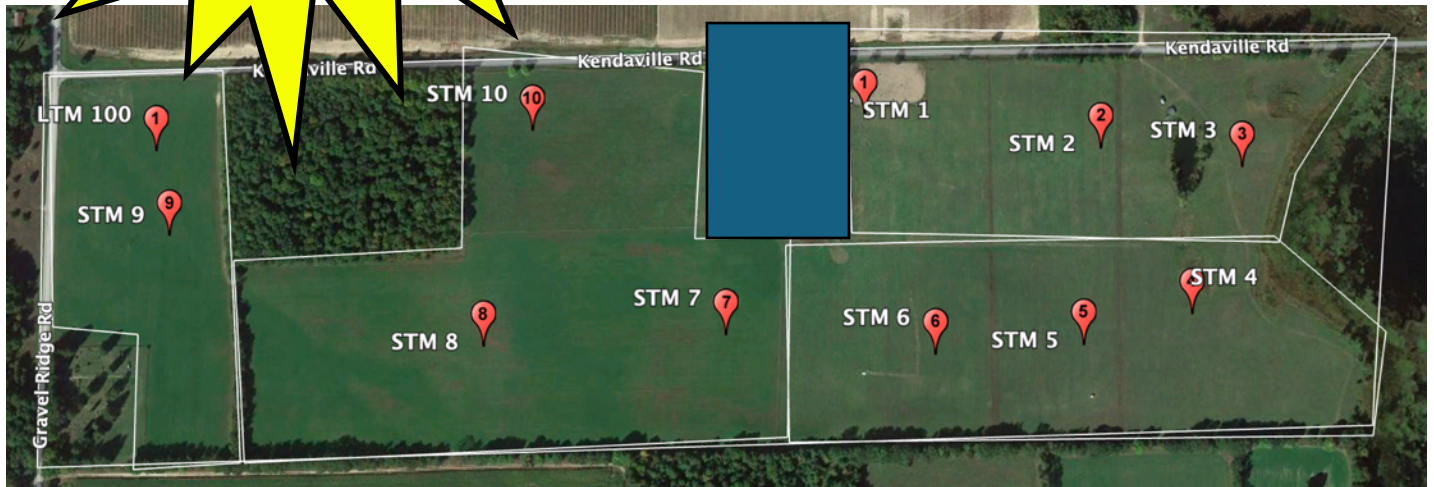


2024 Ecological Monitoring Results

Ecological Health Score
54

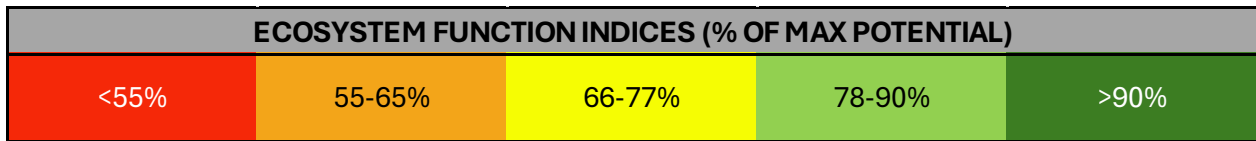
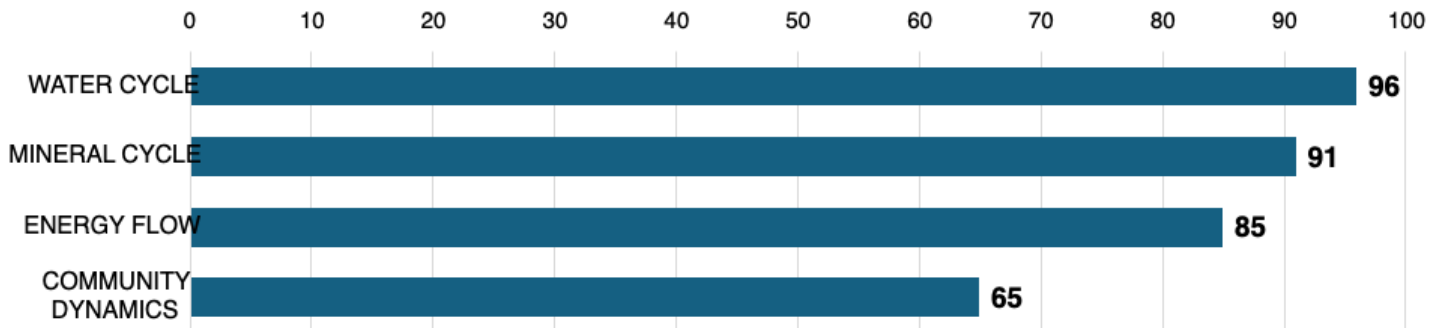


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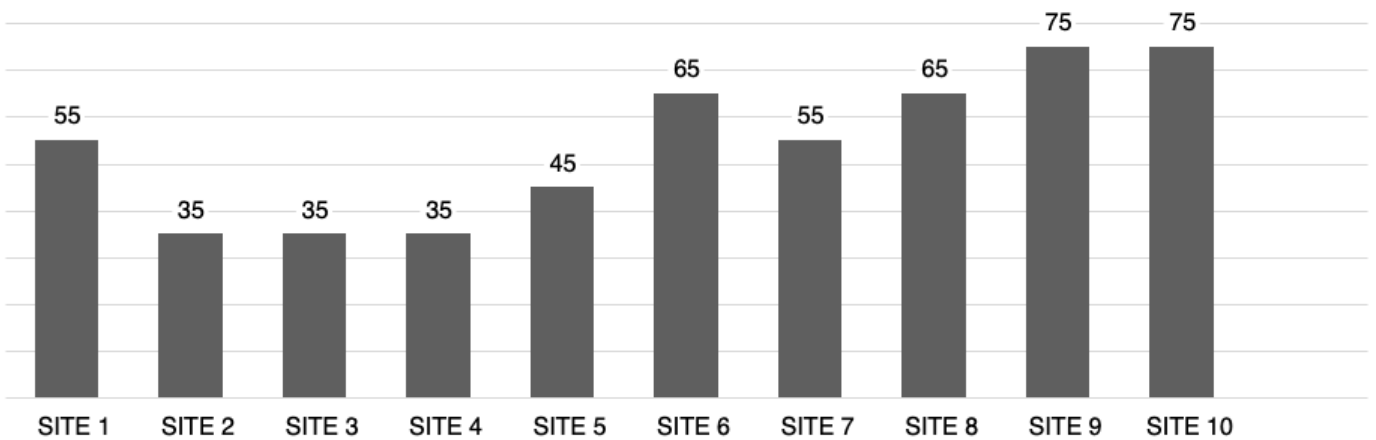
Michigan State University
Morgan, Crista, Matt

YOUR PROPERTY'S SUMMARY TABLE			
	2024	2023	2022
Ecological Health (EH)	54	49	58
Water Cycle (WC)	96	100	99
Mineral Cycle (MC)	91	89	92
Energy Flow (EF)	85	82	78
Biodiversity (CD)	65	68	76

ECOSYSTEM FUNCTION INDICES (% of max potential)



MONITORING SITE SCORES



MONITORING SCORE			
Below 0	1 to 30	31 to 60	Above 60
Extreme departure from ecoregion potential	Moderate departure from ecoregion potential	Slight departure from ecoregion potential	Nearing ecoregion potential
Ecosystem unhealthy	Ecosystem severely impacted	Ecosystem slightly impacted	Ecosystem healthy
Land heavily degraded	Land degrading	Land stabilizing	Land regenerating

High Score Photo 1



High Score Photo 2



High Score Photo 3



Average Score Photo 1



Average Score Photo 2



Average Score Photo 3



Low Score Photo 1



Low Score Photo 2



Low Score Photo 3



INFORMATION GUIDES

FORAGE ESTIMATES					
% of Potential	<20%	20-39%	40-59%	60-79%	>80%
Lbs./acre	0 – 1,200	1,200 – 2,400	2,400 – 3,600	3,600 – 4,800	4,800+

REGIONAL AVERAGES TABLE		
	2024	2023
Ecological Health (EH)	42	40
Water Cycle (WC)	94%	96%
Mineral Cycle (MC)	84%	86%
Energy Cycle (EF)	78%	73%
Biodiversity (CD)	59%	64%

ECOSYSTEM FUNCTION INDICES (% OF MAX POTENTIAL)				
<55%	55-65%	66-77%	78-90%	>90%

MONITORING SCORE			
Below 0	1 to 30	31 to 60	Above 60
Extreme departure from ecoregion potential	Moderate departure from ecoregion potential	Slight departure from ecoregion potential	Nearing ecoregion potential
Ecosystem unhealthy	Ecosystem severely impacted	Ecosystem slightly impacted	Ecosystem healthy
Land heavily degraded	Land degrading	Land stabilizing	Land regenerating

CODE	INDICATOR	ASSESSING	RANGE	TYPE	WC	MC	EF	CD
lca	Live Canopy Abundance	Total green biomass production	-10 to 10	Relative		✓	✓	
lca	Living Microorganisms	Evidence of microorganisms	-10 to 10	Absolute				
fg1	Warm Season Perennial Grasses	Vigor, reproduction, (crown) integrity	-10 to 10	Relative				✓
fg2	Cool Season Perennial Grasses	Vigor, reproduction, (crown) integrity	-10 to 10	Relative				✓
fg3	Forbs & Legumes	Vigor, reproduction, (crown) integrity	-10 to 10	Relative				✓
fg4	Trees & Shrubs	Vigor, reproduction, (crown) integrity	-10 to 10	Relative				✓
cds	Contextually Desirable Species	Frequency	0 to 10	Relative				✓
cus	Contextually Undesirable Species	Frequency	-10 to 0	Relative				✓
la	Litter Abundance	% cover	0 to 10	Relative	✓	✓		
li	Litter Decomposition	Litter incorporation/soil contact	0 to 10	Absolute		✓		
dd	Dung Decomposition	Persistence of dung	0 to 10	Absolute		✓		
bs	Bare Soil	% bare soil	-20 to 20	Relative	✓	✓	✓	✓
c	Capping	Soil surface resistance	-10 to 0	Absolute	✓			
wie	Wind Erosion	Blowouts, dams, pedestals	-20 to 0	Absolute	✓			
wae	Water Erosion	Rills, dams, gullies	-20 to 0	Absolute	✓			
		total points	-140 to 120					

WC = Water Cycle, MC = Mineral Cycle, EF = Energy Flow, CD = Community Dynamics
Relative = compared to your ecoregion's potential; Absolute = not relative, same globally