

INDICATOR MATRIX

Individual Benchmarks Northwest report titles and their data and survey response information are listed along the left-hand column of the table. For each indicator, a dot is shown that demonstrates that indicator's applicability within a particular quality of life issue category. Quality of life categories are listed across the top of the table. As Table 1 illustrates, although a piece of information may only be listed in one report, it may be relevant to multiple quality of life categories.

Table 1. Benchmarks Northwest Indicator Matrix

	Culture & Recreation	Economy & Employment	Education	Government & Politics	Growth & Change	Health	Infrastructure	Natural Resources & Environment	Public Safety	Social Environment
Culture & Recreation										
Arts, Entertainment and Recreation Establishments	•	•								
Culture and Recreation Employment	•	•								
Recent Trends in Arts, Entertainment and Recreation Employment	•	•								
Water Area and Great Lake Shoreline Miles	•							•		
Forest Lands	•							•		
Acres of Legislatively Protected Sand Dunes	•							•		
Wetland Acreage	•							•		
Acres Held in Conservation Easements or Owned by Regional Land Conservancies	•							•		
Miles of Trails and Campsite Locations	•					•	•	•		
Watercraft Registration	•	•						•		
Number of Deer Hunters	•							•		
Number of Deer Hunting Days and Deer Harvested	•							•		
Snowmobile Registrations	•	•					•			

	Culture & Recreation	Economy & Employment	Education	Government & Politics	Growth & Change	Health	Infrastructure	Natural Resources & Environment	Public Safety	Social Environment
Survey Results: Quality and Importance of Culture & Recreation opportunities	•							•		•
Survey Results: How Far Public Willing To Travel For Recreation & Entertainment	•				•		•	•		•
Survey Results: Perception of Impact of Casinos on Community	•	•			•					•
Economy & Employment										
Total Employment by County		•								
County Employment Projections		•			•					•
Employment Trends by Industry		•								
Top Ten Private Industry Employers		•								
Unemployment Rates		•								•
Seasonal Variation in Unemployment Rates		•								•
Labor Force by County		•								
Occupational Forecasts		•	•							•
Average Weekly Wages		•								•
Retail Sales Statistics		•								
Per Capita Retail Sales		•								
Total Tourism Spending	•	•								
Total Market Value of Agricultural Products		•						•		
Total Farm Operators		•						•		
Number of Farms Operating		•						•		
Acres of Farmland		•						•		
Survey Results: Public Perception of Community's Economic Health		•			•					•

	Culture & Recreation	Economy & Employment	Education	Government & Politics	Growth & Change	Health	Infrastructure	Natural Resources & Environment	Public Safety	Social Environment
Survey Results: Perception of Opportunities for Employment		•			•					•
Survey Results: Perception of Affordable Housing Availability		•			•					•
Survey Results: Type of Industry Community Should Try To Attract		•			•		•			
Education										
Educational Attainment		•	•							•
MEAP Pass Rate, Participation Rate and Excelling Rate 2002			•							
Selected Testing Statistics for ACT, SAT and AP Tests			•							
Total Enrollment, Student Body Composition Statistics and Graduation/Drop Out Rates for Public Schools by County			•							
Operating Revenues and Taxable Property Values Per Student			•	•	•		•			
Student Teacher Ratio and Average Teacher Salary		•	•							•
Enrollment Data for Major Community Colleges			•							
Enrollment by Status for Major Community Colleges			•							
GPA Indicator for Major Community Colleges			•							
Degrees Conferred by Major Community Colleges		•	•							

	Culture & Recreation	Economy & Employment	Education	Government & Politics	Growth & Change	Health	Infrastructure	Natural Resources & Environment	Public Safety	Social Environment
Survey Results: Quality and Importance of K-12, Community College, and Lifelong Education			•							
Survey Results: Perception of Schools' Adequacy in Preparing Students for Workforce		•	•							
Government & Politics										
Unregistered Voters and % of Voters				•						
Registered Voters				•						
Future Problems Identified by Survey of Township Officials in Northern Lower Peninsula				•	•		•			•
Breakdown of County Millage Rates by "Allocated" and "Extra Voted"				•	•		•			
General Fund Expenditures by County				•	•		•			
Per Capita General Fund Expenditures				•	•		•			
State Equalized Value and Taxable Values				•	•		•			
Federal Funds and Grants Received				•	•		•	•	•	
Per Capita Federal Expenditures				•			•			
Total Revenue Sharing from State of Michigan				•	•		•			
Tribal Revenue Sharing to Local Governments				•	•					
Survey Results: Perception of Satisfaction and Importance of Local Government Services				•	•					
Survey Results: Number of Public Meetings Attended in	•	•	•	•	•	•	•	•	•	•

	Culture & Recreation	Economy & Employment	Education	Government & Politics	Growth & Change	Health	Infrastructure	Natural Resources & Environment	Public Safety	Social Environment
Past Year										
Survey Results: Perception of How Well People Work Together				•	•					•
Survey Results: Support of Potential Millage For Varied Projects/Programs	•	•	•	•	•	•	•	•	•	•
Growth & Change										
Population Growth and Projected Growth		•			•	•				•
Sources of Population Growth					•					
Sources of In-Migration					•					•
Growth in the Number of Housing Units					•					•
Single Family and Multi-Family Housing					•					
Total Housing Units Classified as "Mobile Homes"					•		•			
Percent of Population by Mode of Transportation to Work					•	•	•			•
Average Commute Time in Minutes		•			•					•
Increase in Average Commute Time		•			•		•			•
Change in Farm Land					•			•		
Opinions about Growth and Development from Secondary Sources					•					
Survey Results: Perception of How Effectively Growth Is Being Managed					•					
Survey Results: Desirability of Community Traits	•	•	•	•	•	•	•	•	•	•
Health										
Age Adjusted Mortality Rate						•				
Cause of Death						•				

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Statistics										
Cancer Mortality Rates						•				
Cancer Cases Diagnosed by Location						•				
Heart Disease Mortality Rates						•				
Diabetes Disease Mortality Rates						•				
Suicide Mortality Rates						•				•
Births Pre-Term						•				
Low Birth Weight Rates						•				•
Pregnant Mothers - Smoked and Prenatal Care						•				
Teen Pregnancy Rates						•				•
Preventable Hospitalizations						•	•			
Obesity Rates	•					•	•			•
Juvenile Arrest Rates for Substance Abuse Violations						•			•	•
Adult Arrest Rates for Substance Abuse Violations						•			•	•
Adult and Juvenile Treatment Rates for Substance Abuse Violations						•			•	•
Per Capita Tobacco and Alcohol Retailers		•				•				
Overall Risk Assessment Score from Study of Substance Abuse Indicators						•				•
Reported Cases of Chlamydia, Gonorrhea and Syphilis						•				•
Ratio of Primary Care Physicians and Dentists Per Capita						•	•			
Survey Results: Importance of Health Care						•				
Survey Results:						•				

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Perception of Health Care Quality										
Infrastructure										
Road Miles by Classification							•			
Federal Aid Eligible Roads				•			•			
State Transportation \$ Distributed to Act 51 Agencies				•			•			
Vehicle Registrations					•		•			
Vehicle Ownership by Household					•		•			
Average Commute Time and Change in Average Commute Time		•			•		•			•
Cumulative Impact of Daily Time Lost for All Commuters		•			•		•			•
Public Transit Statistics		•					•			•
Passenger and Cargo Statistics for Airports		•					•			
Cell Phone and Internet Usage							•			
Water and Sewer Data					•		•			
Survey Results: Rating and Importance of Ability To Get Where You Want To Go (Time, Availability, Safety)					•		•			
Survey Results: Likelihood of Using Different Modes of Transportation	•	•	•	•	•	•	•	•	•	•
Natural Resources										
Air Quality Grades & Emissions					•	•	•	•		
Water Quality Standards	•	•			•	•		•		
Public Beach Closings and Advisories	•	•				•		•		
Fish Consumption Advisories						•		•		
Wetland Area by					•			•		

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County										
Acres of Legislatively Protected Dunes								•		
Acres of Agricultural Land		•			•			•		
Acres and Percent of Land Cover	•	•		•	•			•		
Approximate Acreage of Land Held by Conservancies	•				•			•		
Species Identified as Special Concern, Threatened or Endangered by State of Michigan								•		
Bird Counts for Selected Sites						•		•		
DNR Frog and Toad Survey						•		•		
Permitted US EPA On-Site Toxic Releases						•		•		
Solid Waste Disposal – Rate, Source and Origin					•		•	•		
Superfund Sites								•		
Michigan DEQ Part 201 Contaminated Sites								•		
State and Federal Public Lands Map								•		
Black Bear Prevalence (Map)								•		
Survey Results: Quality and Importance of Natural Resources	•	•			•			•		
Survey Results: Perception of Water Quality			•		•	•		•		
Survey Results: Perception of Level of Awareness of Personal Activities' Impact on Natural Resources	•		•					•		•
Public Safety										
Reported Index Crime									•	•
Non-Index Crimes Reported									•	•

	Culture & Recreation	Economy & Employment	Education	Government & Politics	Growth & Change	Health	Infrastructure	Natural Resources & Environment	Public Safety	Social Environment
Auto Crash Rates							•		•	
Fatal or Incapacitating Injuries						•			•	
Auto Crashes by Road Location							•		•	
Fatal Crashes Related to Drug/Alcohol						•			•	•
Deer/Auto Crash Statistics								•	•	
Survey Results: Quality and Importance of Public Safety									•	•
Survey Results: Utilization of Public Safety Services									•	•
Social Environment										
Number of Households by Size					•					•
Average Persons per Household					•					•
Marital Status					•					•
Domestic Violence Rates						•			•	•
Ethical & Civil Norms				•						•
Families with Children in Poverty		•				•				•
Average Child Care Costs		•								•
Children Receiving Food Stamps		•								•
Children Receiving Child Support		•								•
Students Receiving Free or Reduced Lunch		•				•				•
Families with Children under 6 with Both Parents Working		•								•
Income Distribution		•			•					•
Per Capita Incomes		•			•					•
Median Household Incomes		•			•					•
Poverty Rate		•			•	•				•
Poverty Rate for Single Female Headed Households		•			•	•				•

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Poverty Rate for Individuals Over 65		•			•	•				•
Population Receiving Public Assistance Payments		•		•						•
General Population Growth and Senior Population Growth					•	•				•
Population with a Disability					•	•				•
Population with Disability by Type					•	•				•
Special Education Students			•							•
Survey Results: Quality and Importance of Social Environment										•
Survey Results: Perception of Number of People In Poverty/In Need of Public Services		•								•
Survey Responses: Location Where People Most Often Interact	•			•	•					•