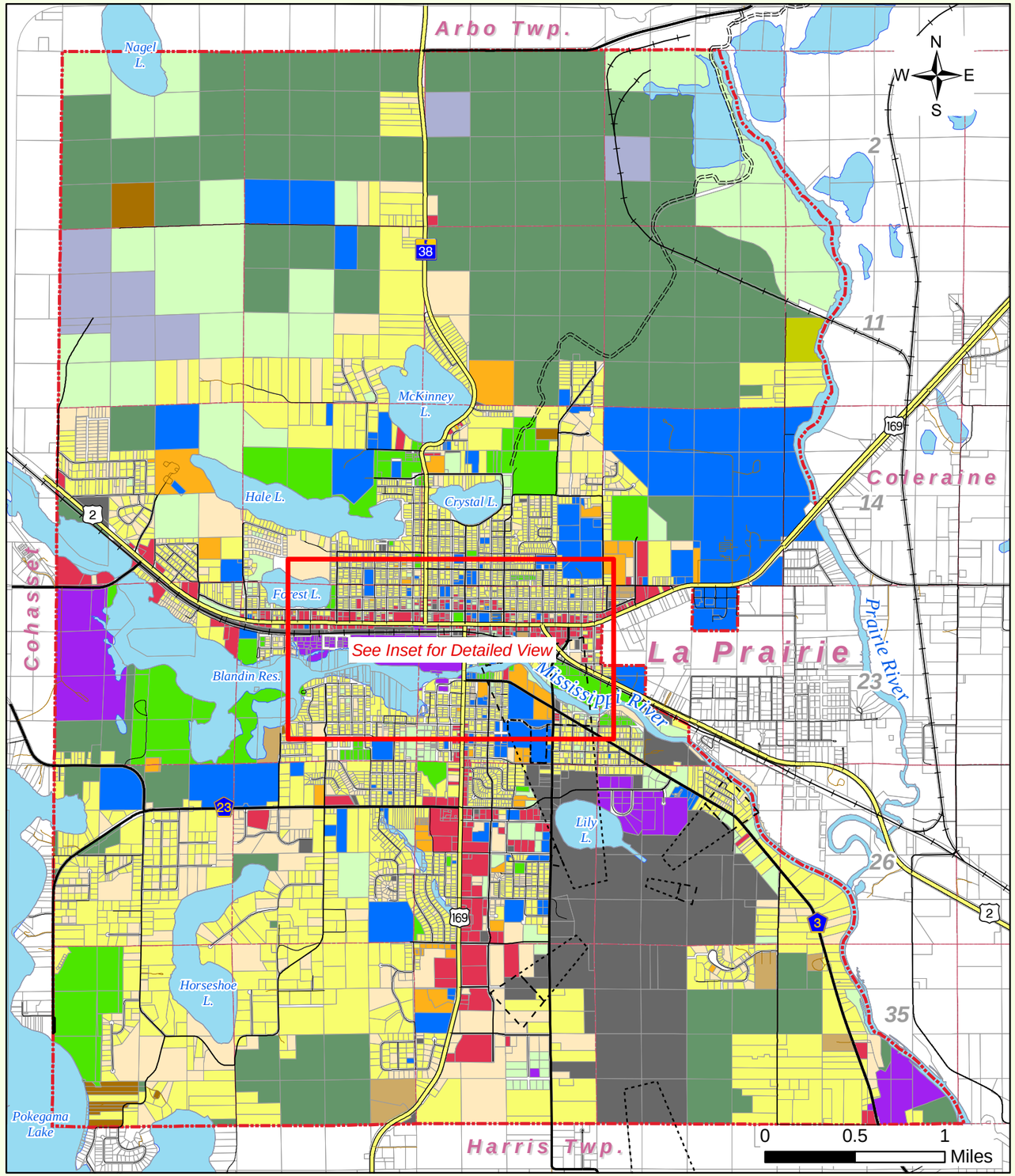
Grand Rapids Comprehensive Plan

Existing Land Use



Land Use

- Residential
- Residential - Multifamily
- Manufactured Home Park
- Residential - Seasonal
- Commercial
- Industrial
- Forestry
- Agriculture
- Institutional
- Public Lands
- Mining and Extractive
- Transportation and Utilities
- Vacant or Undeveloped (Private)
- Unknown

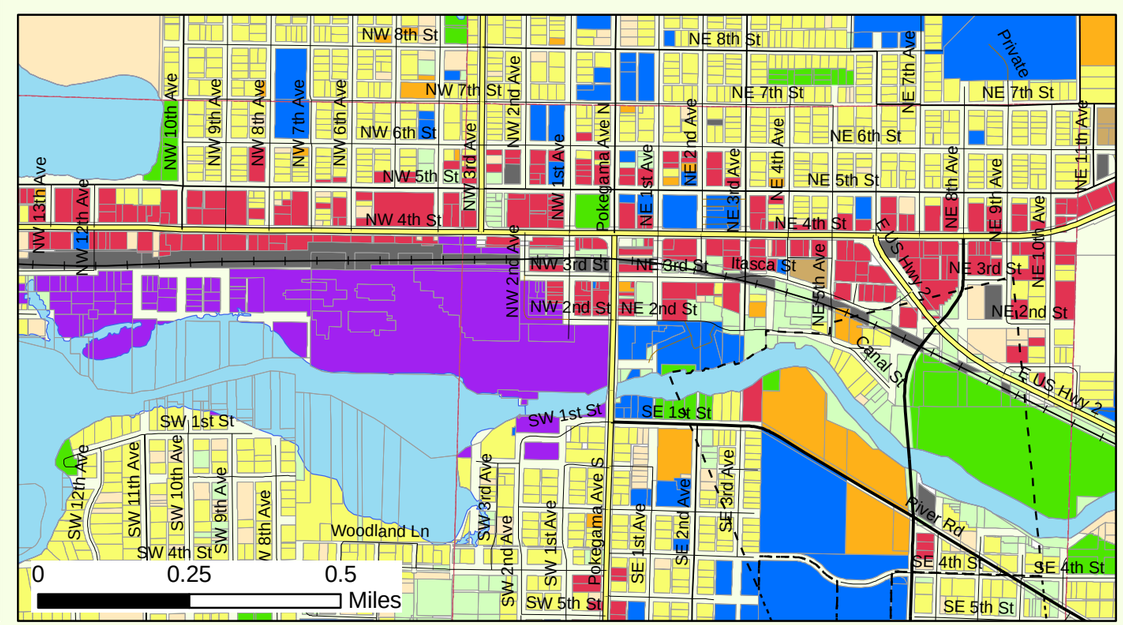
- Parcel Boundaries
- City Limits 2010
- Open Water
- City and Other Parks
- Sections
- 24 Section Numbers

Streets

- Highway
- Major Arterial
- Minor Arterial
- Collector
- Other Road
- Railroad
- Mesabi Trail

Airport Zones

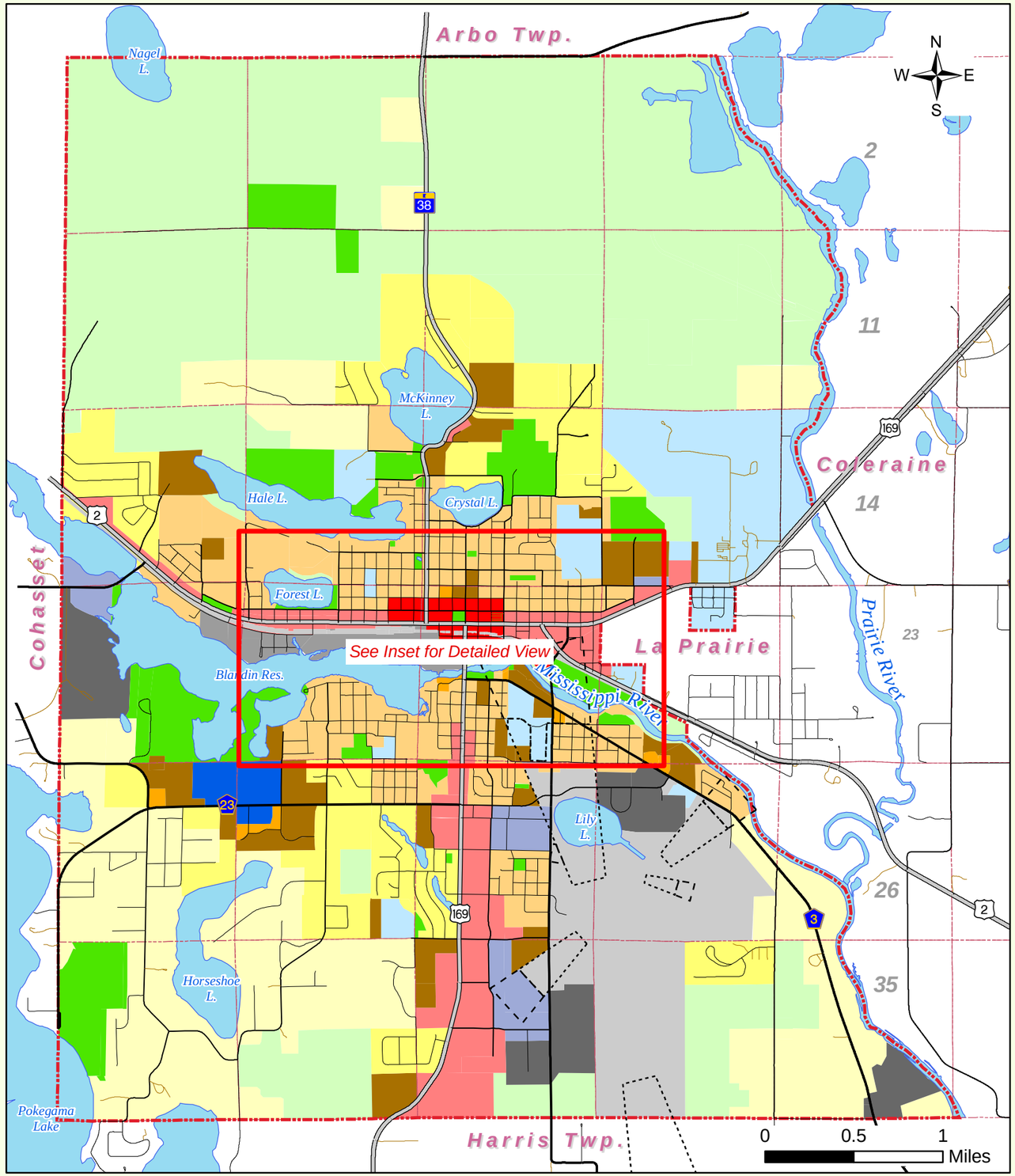
- A
- B



Map date: October 19, 2010 Data source: City of Grand Rapids, MN; Itasca County Assessor; Mn/DOT

Grand Rapids Comprehensive Plan

Future Land Use

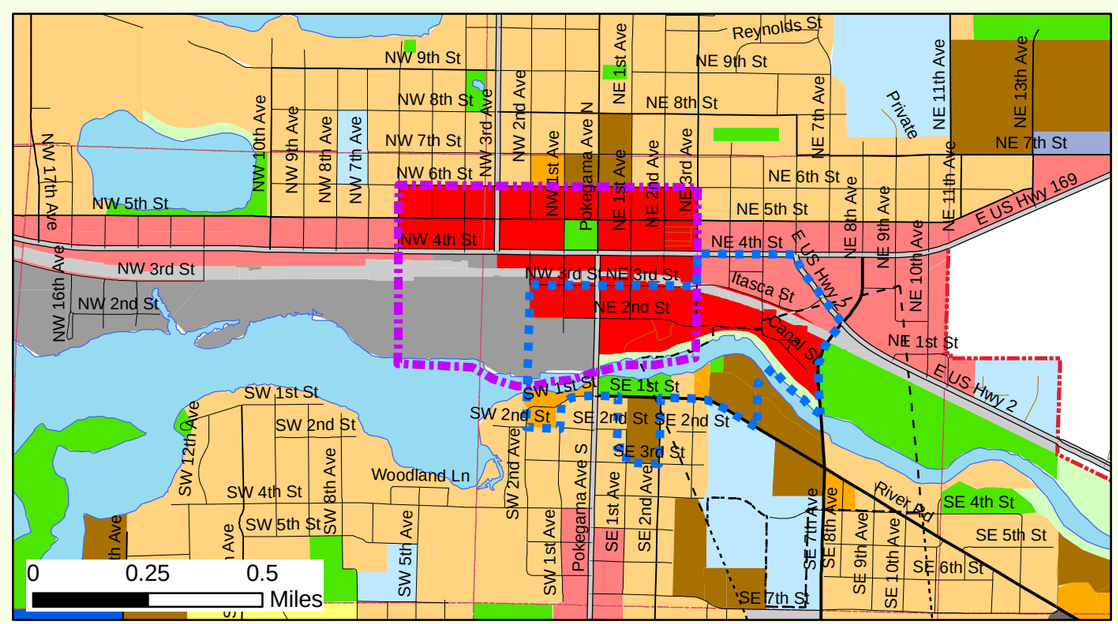


Map date: April 11, 2011 Data sources: City of Grand Rapids, MN; Mn/DOT; CR Planning

- Highway Commercial
- Downtown Mixed Use
- Neighborhood Mixed Use
- Industrial - Traditional
- Industrial Park
- Business Park
- Institutional/Civic
- Medical Campus
- Parks & Recreation
- Resource Management
- Rural Residential
- Suburban Residential
- Traditional Neighborhood
- Multi-Family Residential
- Transportation & Utilities
- City Limits 2010
- Open Water

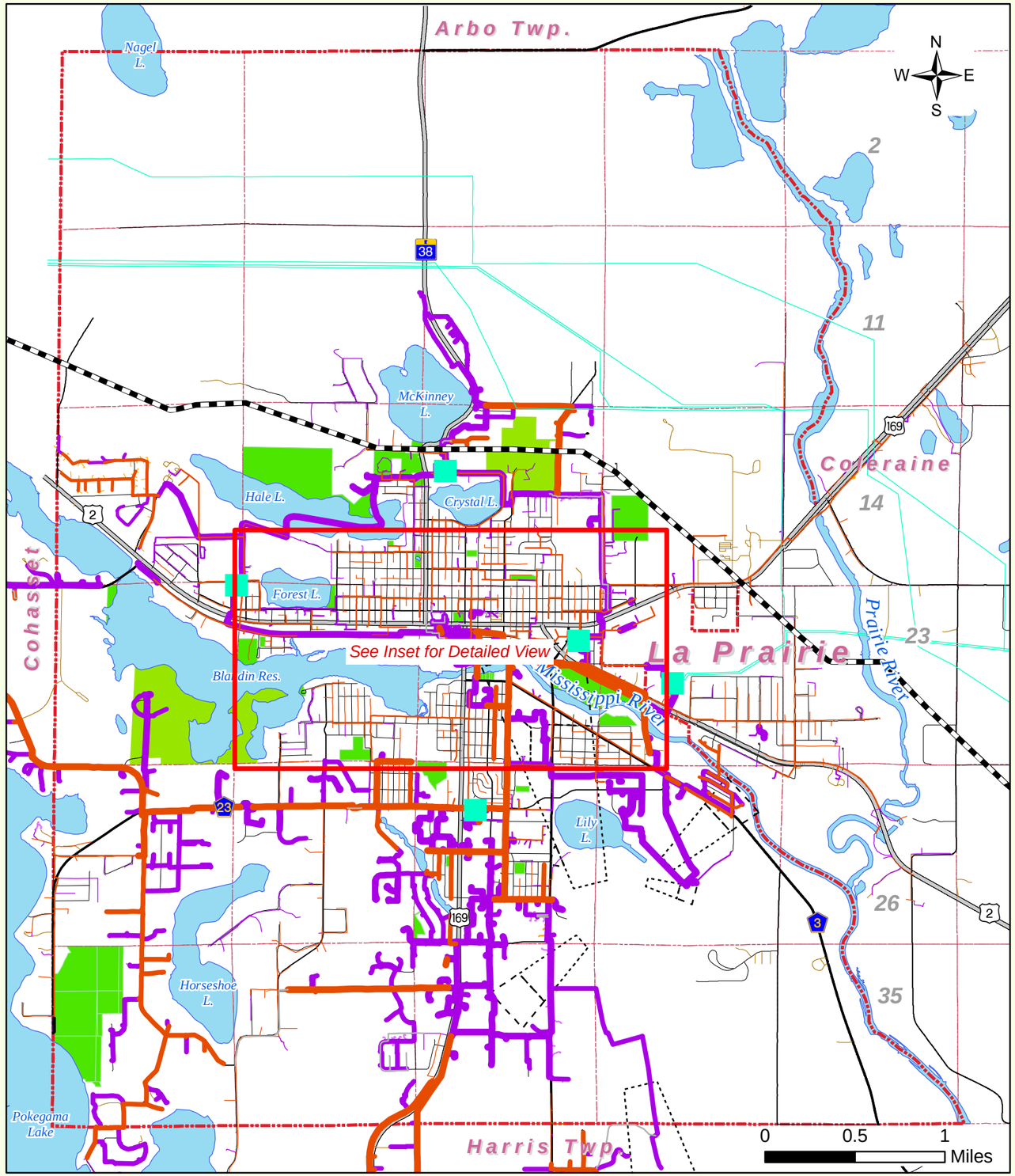
Airport Zones

- A
- B
- Sections
- 2 4 Section Numbers
- Grand Rapids Riverfront Framework Plan Area
- Grand Rapids Downtown Planning Area



Grand Rapids Comprehensive Plan

Electric System



Pri OH Electric Line Segment

OperatingV

- 70
- 120
- 160
- 250
- 340

Pri UG Electric Line Segment

OperatingV

- 70
- 120
- 160
- 250
- 340
- Electric Substations

Sec OH Electric Line Segment

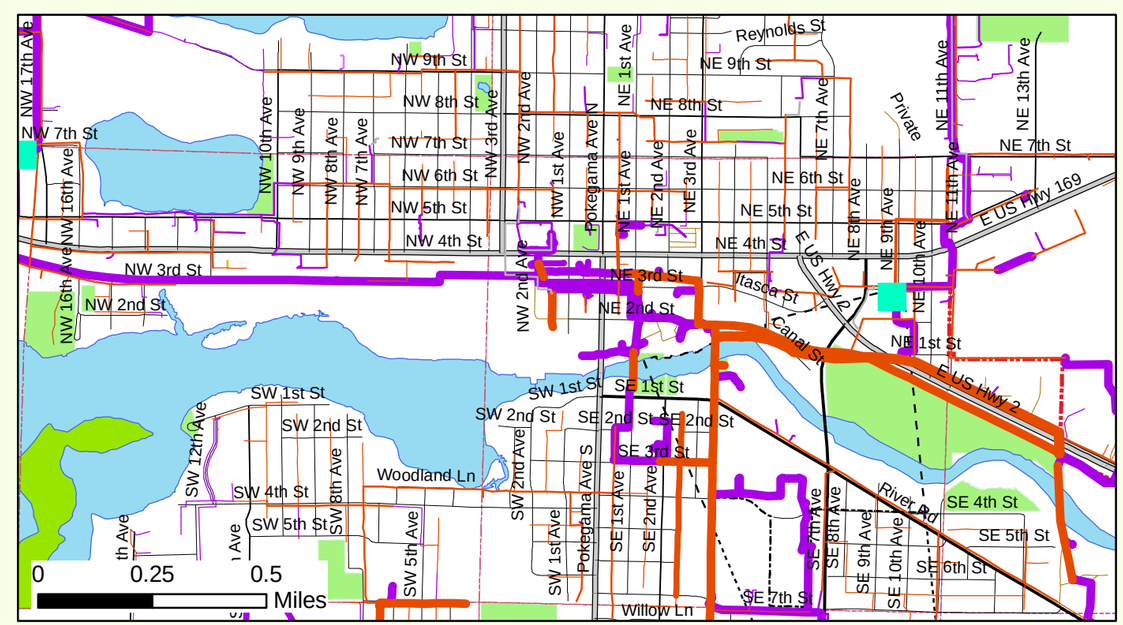
OperatingV

- 0
- 30
- 50

Sec UG Electric Line Segment

OperatingV

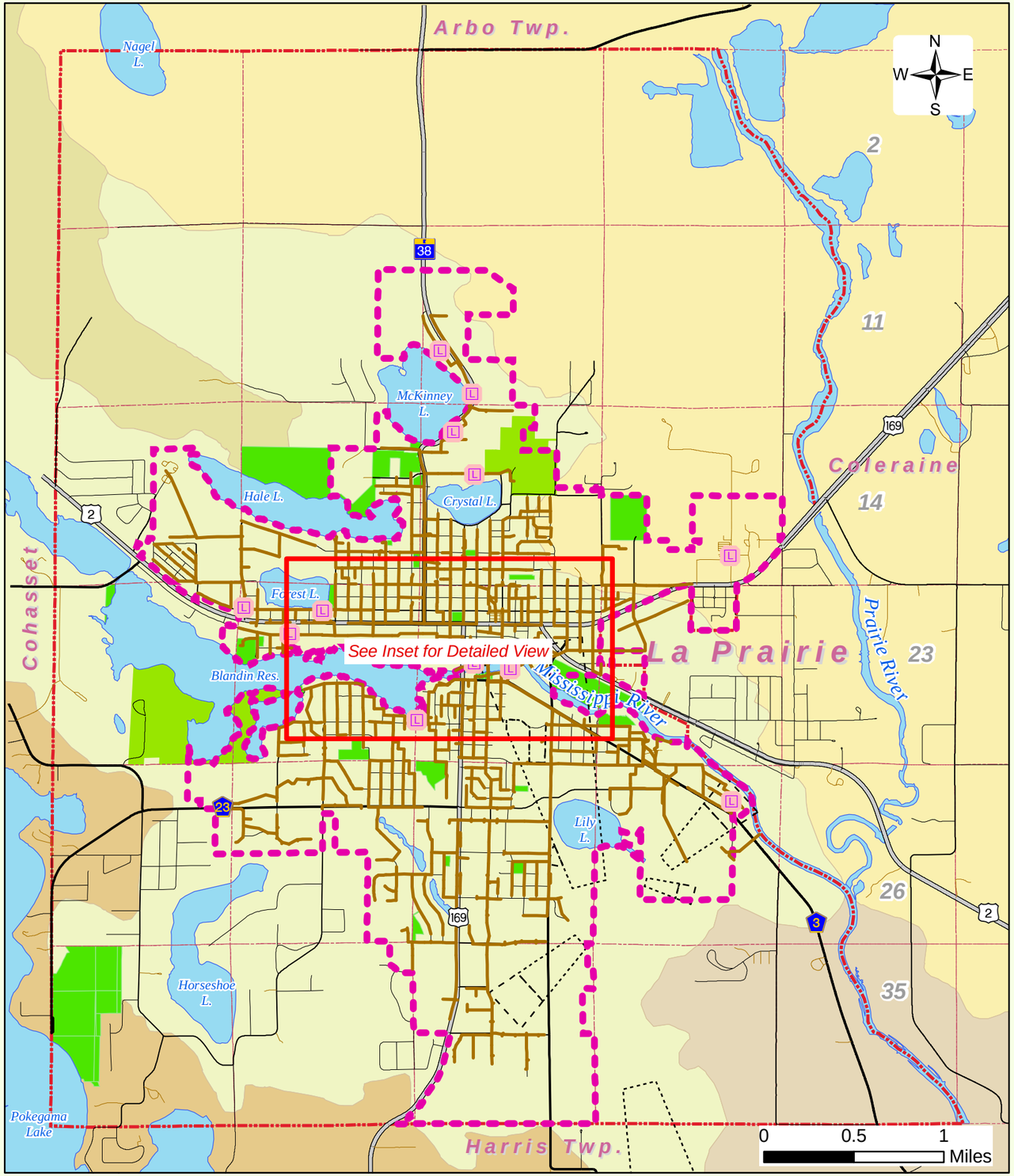
- 30
- Transmission Lines
- Abandoned Electric Line Segment
- Petroleum Pipeline
- City Limits 2010
- Open Water
- Public Parks
- Other Parks



Map date: December 26, 2010 Data sources: City of Grand Rapids, MN; Mn/DOT

Grand Rapids Comprehensive Plan

Sanitary Sewer System



Legend

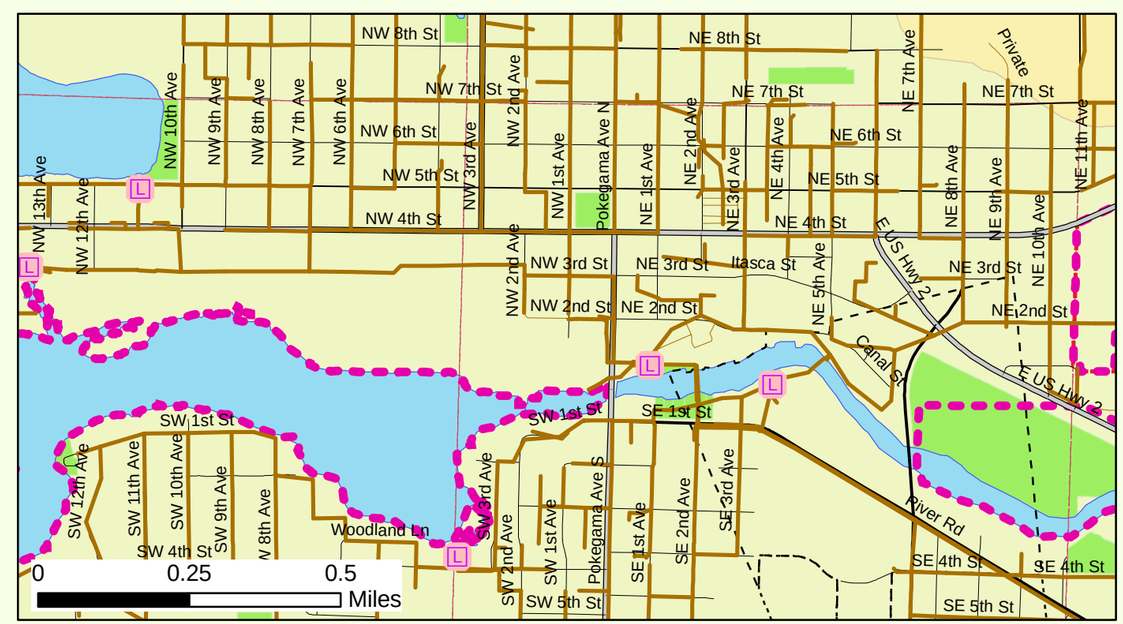
- Sanitary Lift Station
- Sanitary Lines
- Water and Sewer Service Boundary
- City Limits 2010
- Open Water
- Public Parks
- Other Parks
- Sections
- 2 4 Section Numbers

Airport Zones

- A
- B

Minor Watersheds

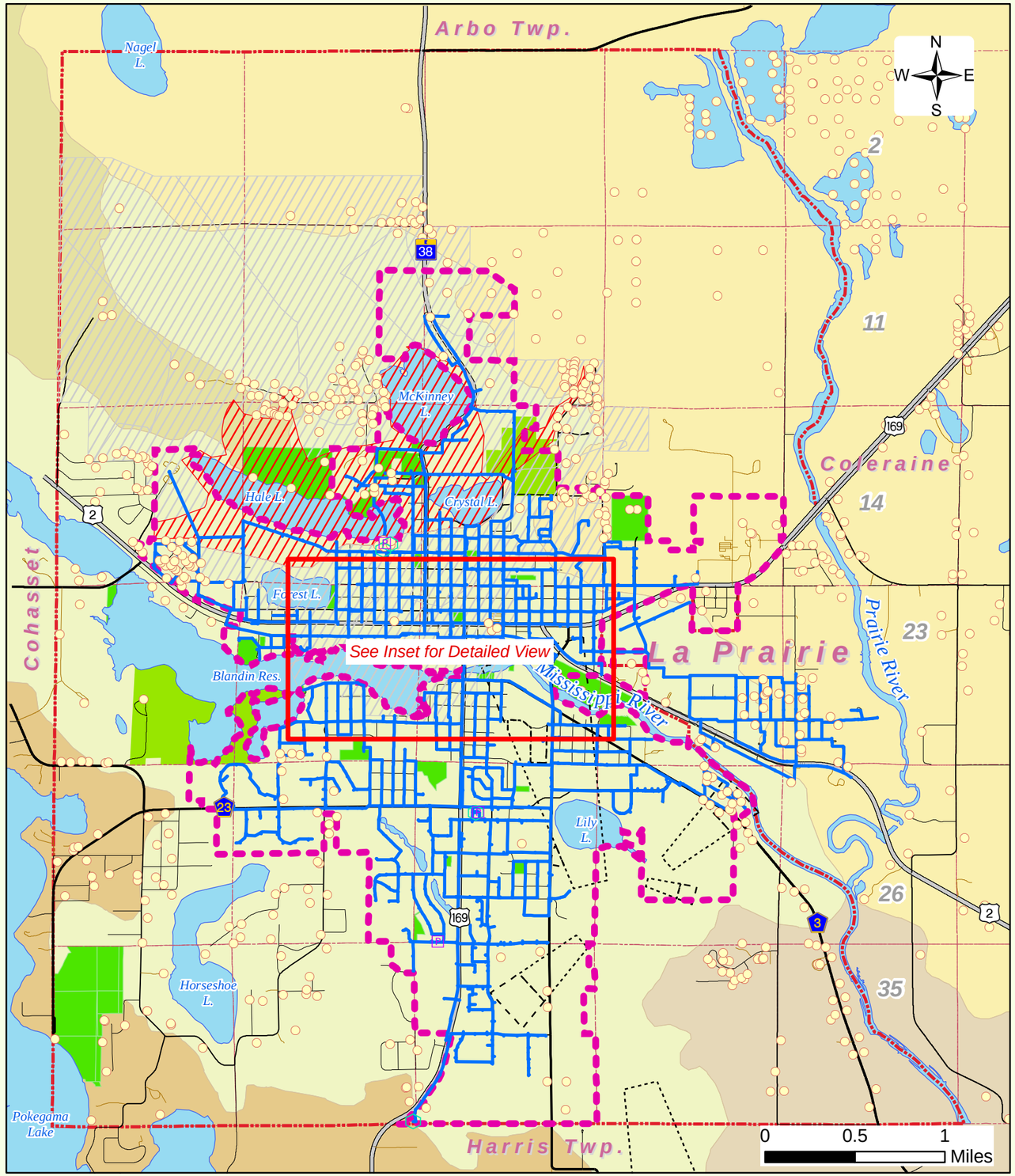
- Bass Brook
- Mississippi River 9057
- Mississippi River 9064
- Prairie River
- Pokegama Lake



Map date: December 23, 2010 Data sources: City of Grand Rapids, MN; Mn/DOT; Mn DNR

Grand Rapids Comprehensive Plan

Water System



Legend

- Pump Station
- Water Tank
- Wells
- Water Line
- Service Lines
- Water and Sewer Service Boundary

Drinking Water Supply Vulnerability

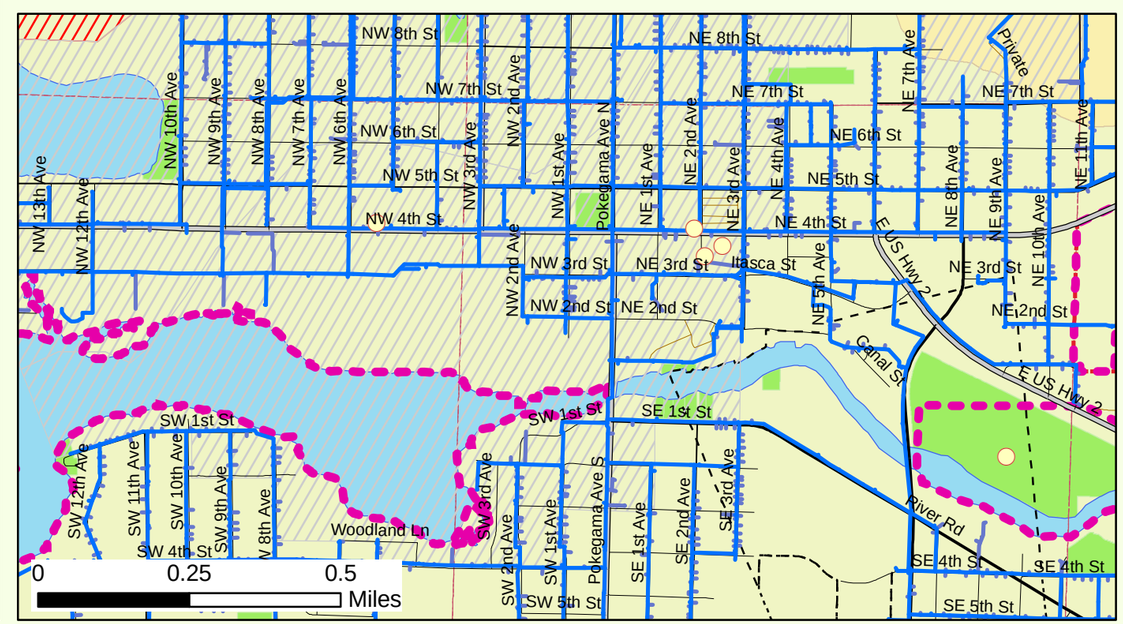
- High
- Moderate
- Low

Airport Zones

- A
- B

Minor Watersheds

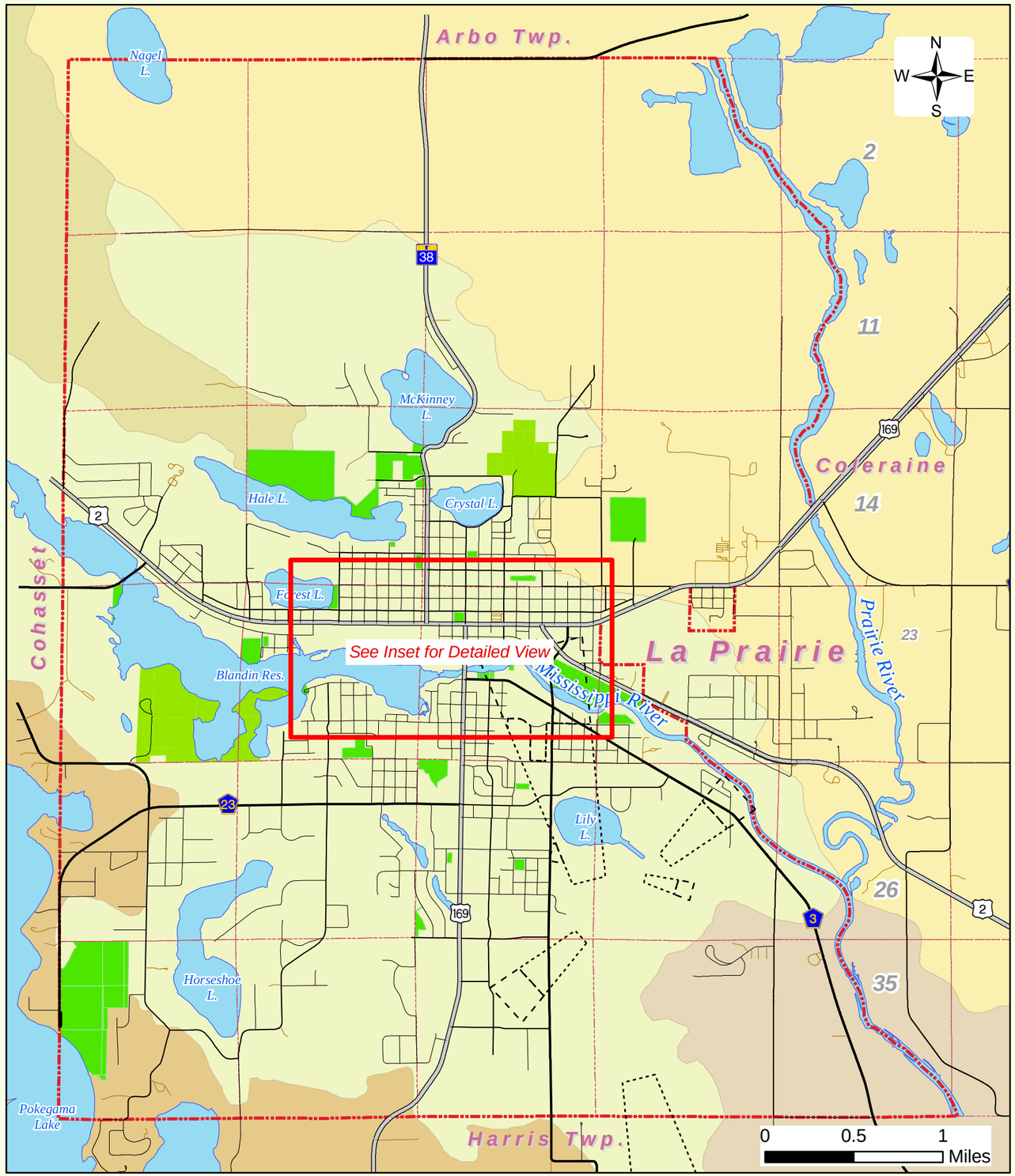
- Bass Brook
- Mississippi River 9057
- Mississippi River 9064
- Prairie River
- Pokegama Lake
- City Limits 2010
- Open Water
- Public Parks
- Other Parks
- Sections
- 24 Section Numbers



Map date: December 23, 2010 Data sources: City of Grand Rapids, MN; Mn/DOT, MDH

Grand Rapids Comprehensive Plan

Watersheds



Legend

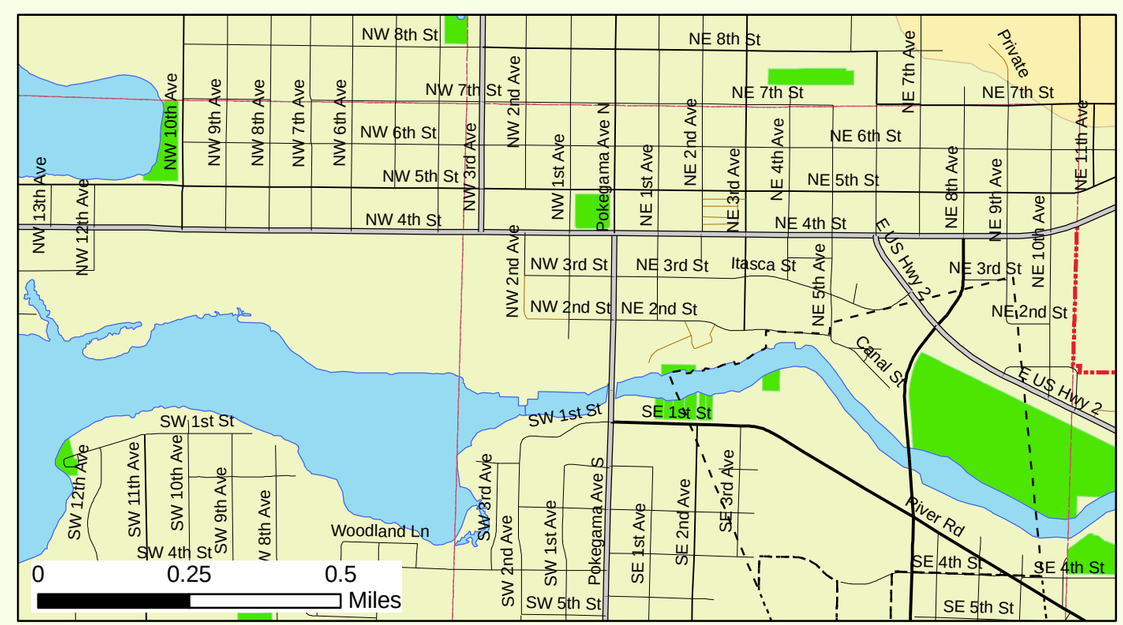
Minor Watersheds

- Bass Brook
- Mississippi River 9057
- Mississippi River 9064
- Prairie River
- Pokegama Lake

- City Limits 2010
- Open Water
- City Parks
- Other Parks
- Sections
- 24 Section Numbers

Airport Zones

- A
- B

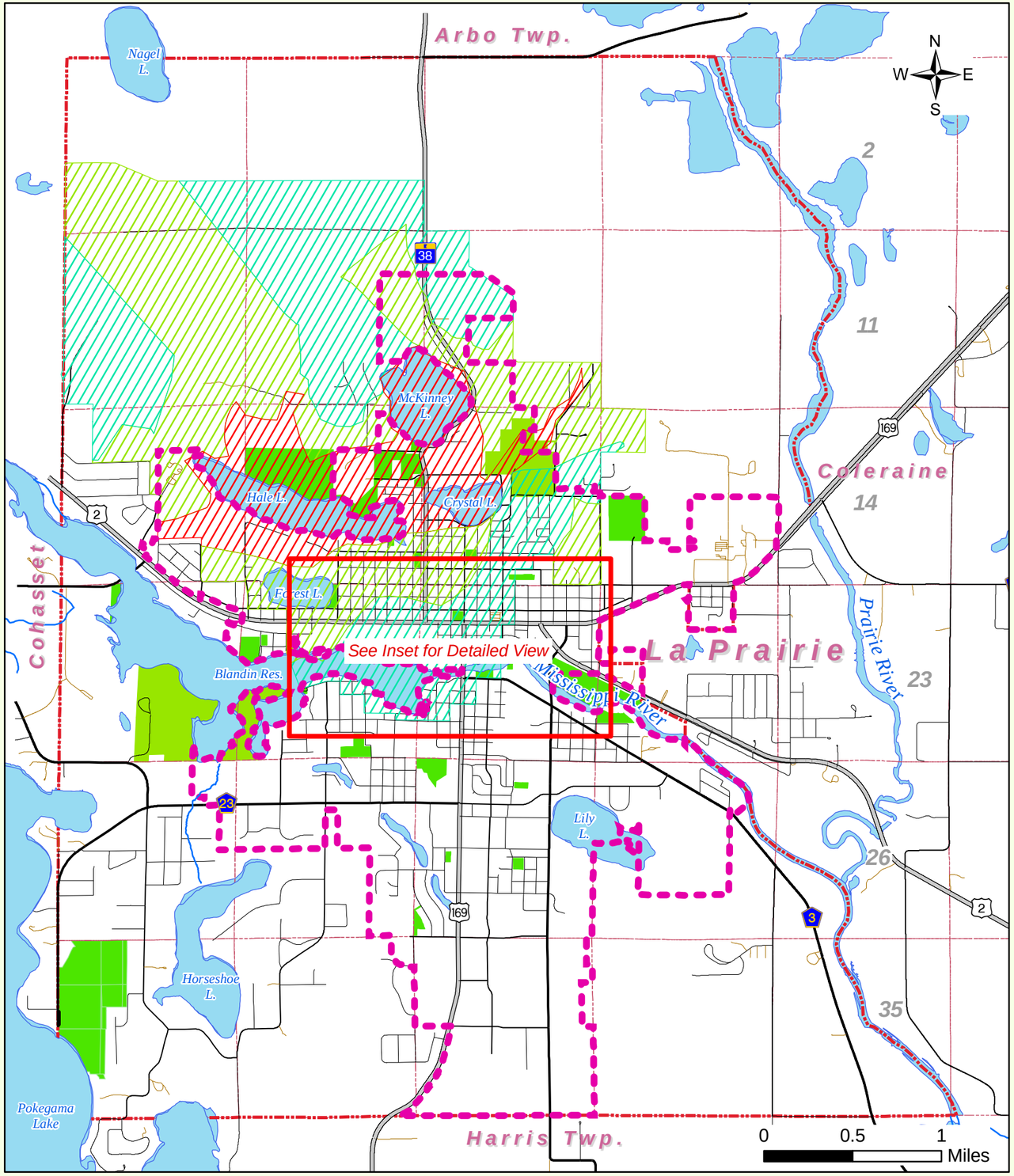


Map date: December 23, 2010 Data sources: City of Grand Rapids, MN; Mn/DOT

Grand Rapids Comprehensive Plan

Natural Infrastructure

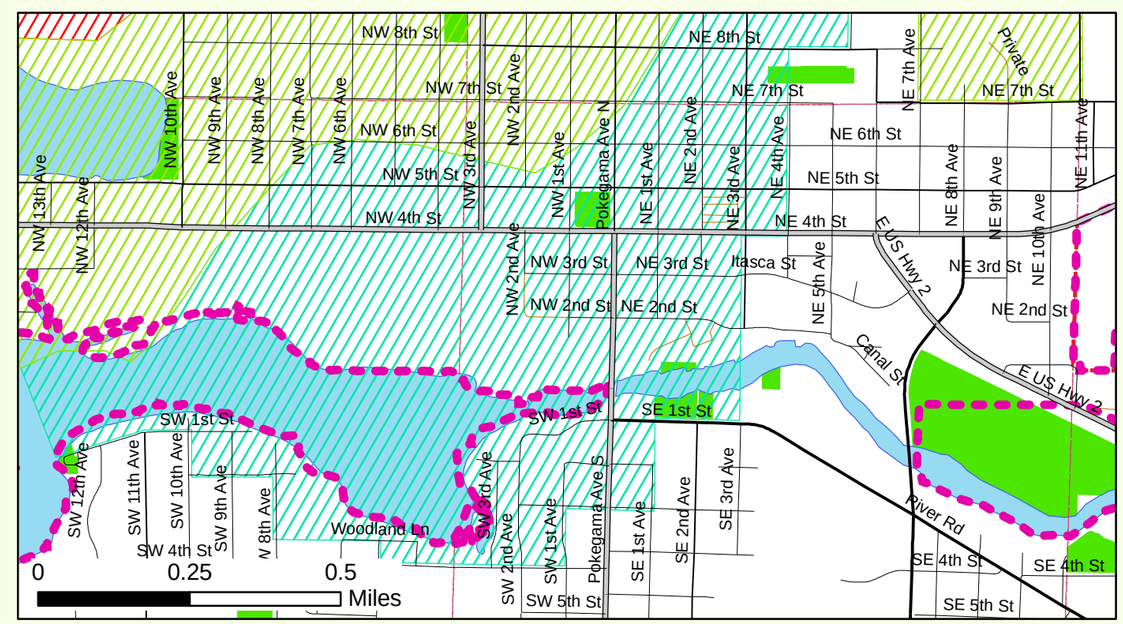
Drinking Water Supply Vulnerability



Open Water

Drinking Water Supply Contamination Risk

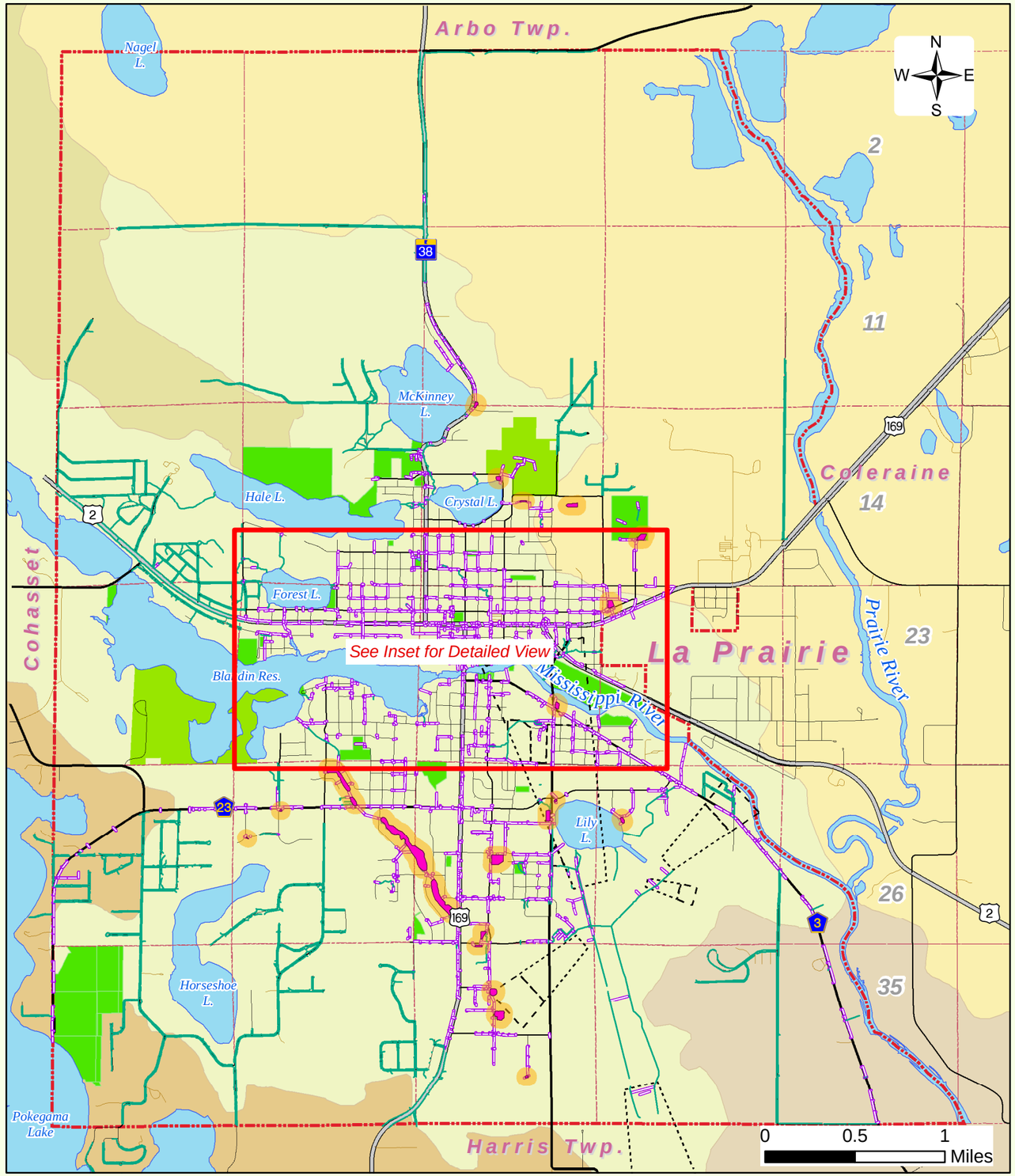
- High Vulnerability
- Moderate Vulnerability
- Low Vulnerability
- Water and Sewer Service Boundary
- City Parks
- Other Parks
- City Limits 2010
- Sections
- 24 Section Numbers



Map date: December 20, 2010 Data source: City of Grand Rapids, MN; MN DNR; MNGeo; Mn/DOT

Grand Rapids Comprehensive Plan

Stormwater Management



Map date: December 23, 2010 Data sources: City of Grand Rapids, MN; Mn/DOT; Mn DNR

Legend

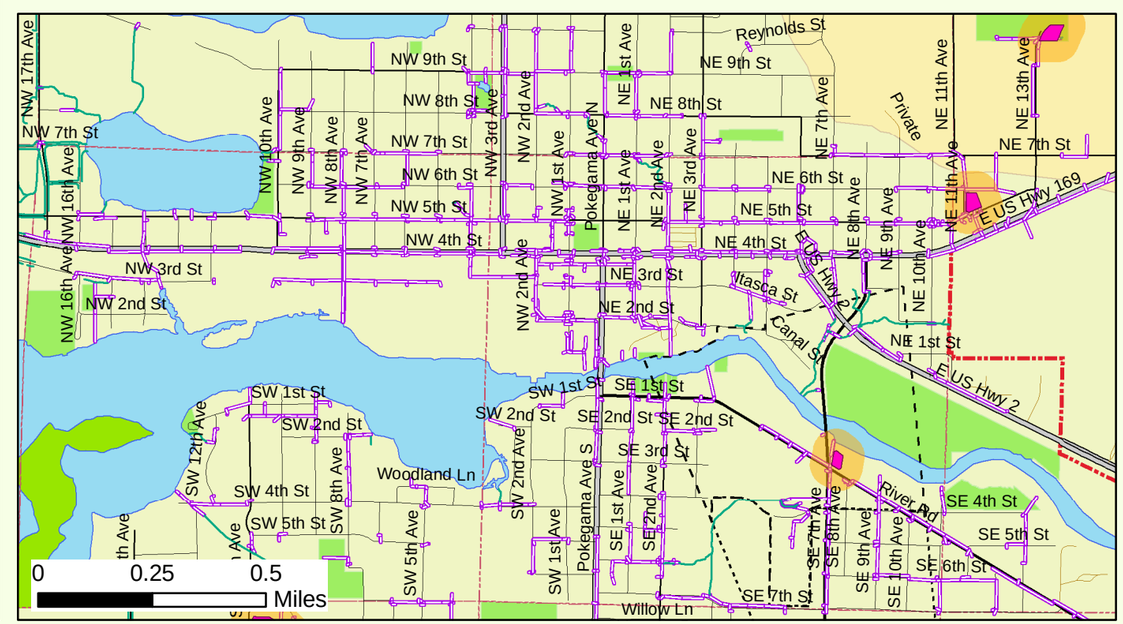
- Ditch
- Pipes
- BMP
- City Limits 2010
- Open Water
- Public Parks
- Other Parks
- Sections
- 2 4 Section Numbers

Airport Zones

- A
- B

Minor Watersheds

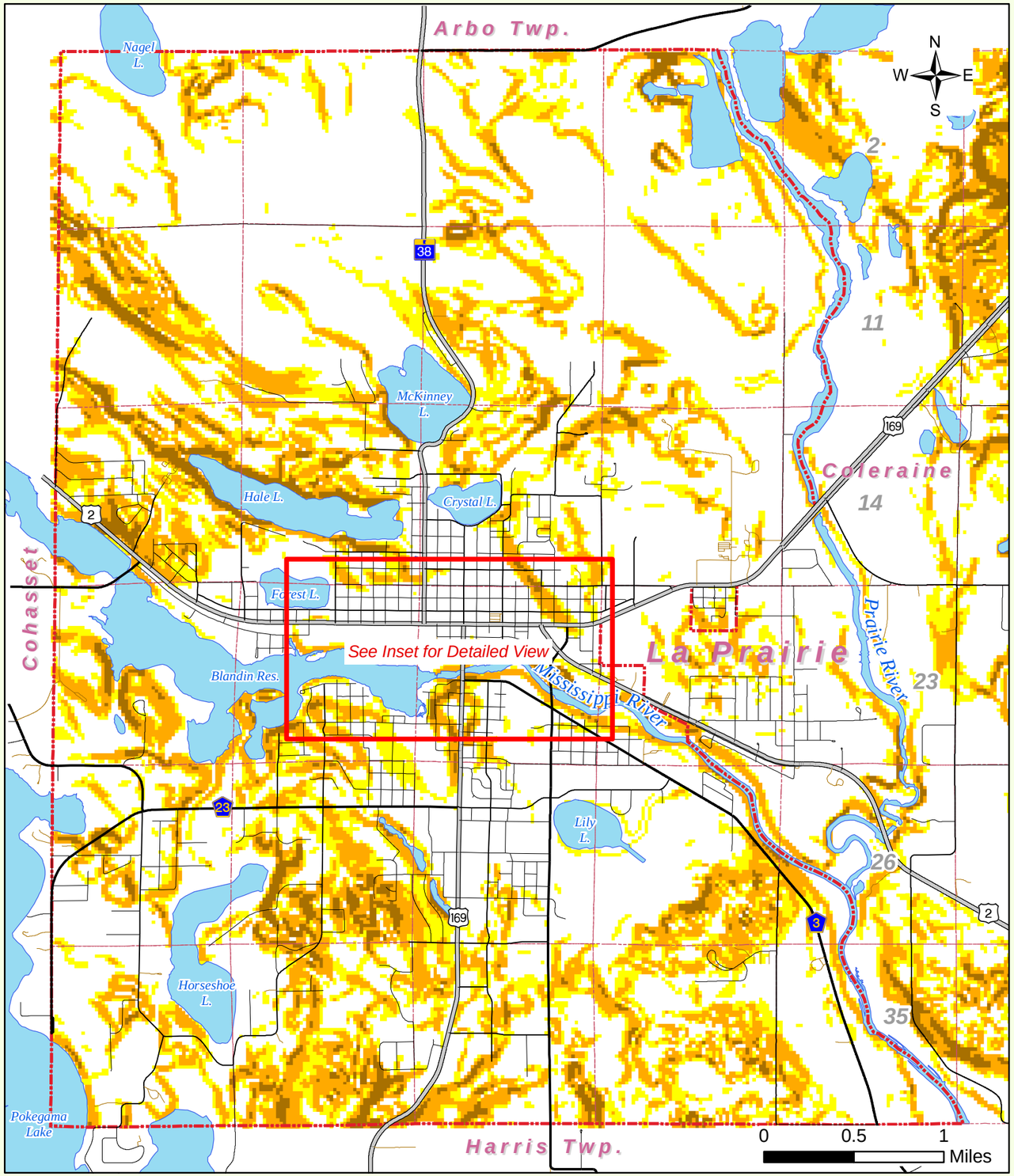
- Bass Brook
- Mississippi River 9057
- Mississippi River 9064
- Prairie River
- Pokegama Lake



Grand Rapids Comprehensive Plan

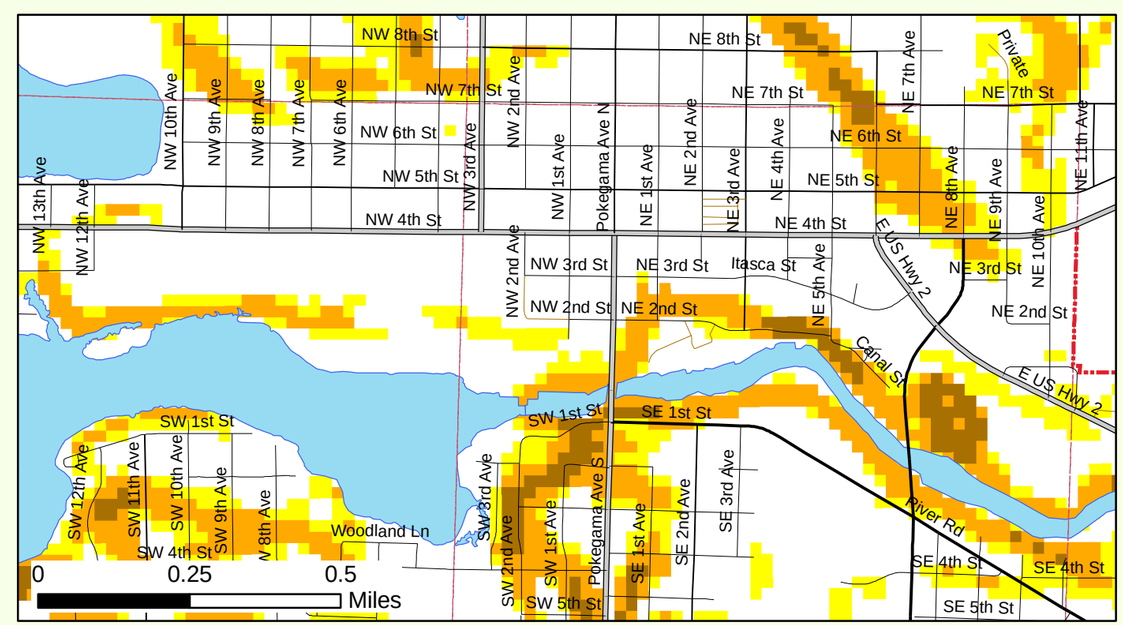
Natural Infrastructure

Steep Slopes



Slope

- 12 - 18%
- 18 - 36%
- > 36%
- Open Water
- City Limits 2010
- Sections
- 24 Section Numbers



Map date: June 18, 2010 Data source: City of Grand Rapids, MN; MN DNR; MNGeo; Mn/DOT

Minnesota Department of Natural Resources
Division of Lands and Minerals

Mine Lands and Iron Ore Resources of the Grand Rapids Area

Current Mine Land Data: [1]

- Natural Ore Pit
- Rock Stockpile (or other Auxiliary Land)
- Overburden Stockpile
- Fine Tailings Basin

[1] Current mine land data is developed and maintained by the MnDNR, Division of Lands and Minerals, Hibbing, MN. Stockpiles and tailings basins contain valuable metallugical and construction aggregate resources.

Bedrock Geology Data: [2]

- Iron Formation Subcrop Limits: Potential (open pit) taconite and natural ore resources
- Fault: approximate or inferred

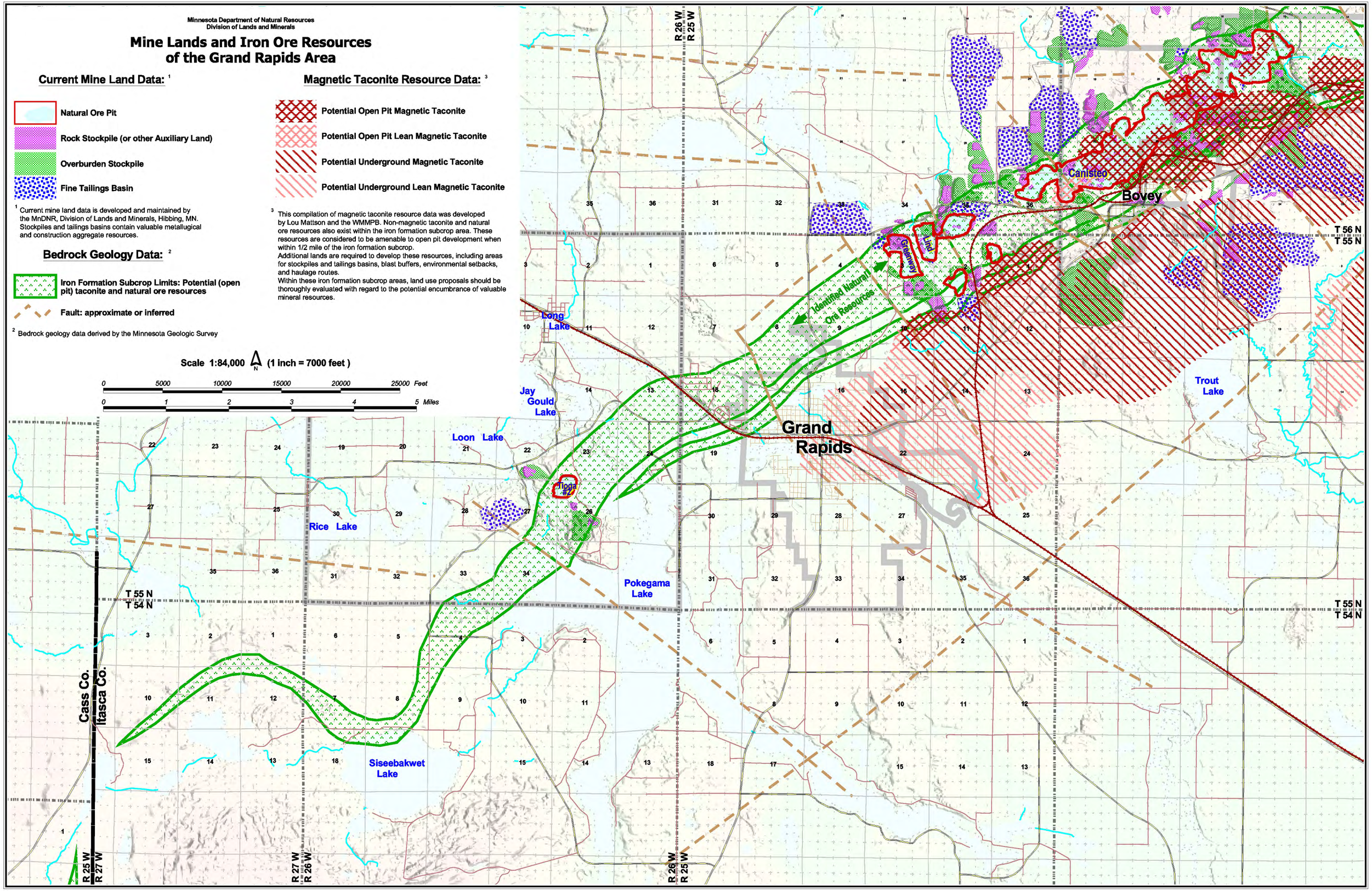
[2] Bedrock geology data derived by the Minnesota Geologic Survey

Magnetic Taconite Resource Data: [3]

- Potential Open Pit Magnetic Taconite
- Potential Open Pit Lean Magnetic Taconite
- Potential Underground Magnetic Taconite
- Potential Underground Lean Magnetic Taconite

[3] This compilation of magnetic taconite resource data was developed by Lou Mattson and the WMMPB. Non-magnetic taconite and natural ore resources also exist within the iron formation subcrop area. These resources are considered to be amenable to open pit development when within 1/2 mile of the iron formation subcrop.
Additional lands are required to develop these resources, including areas for stockpiles and tailings basins, blast buffers, environmental setbacks, and haulage routes.
Within these iron formation subcrop areas, land use proposals should be thoroughly evaluated with regard to the potential encumbrance of valuable mineral resources.

Scale 1:84,000 (1 inch = 7000 feet)

0 5000 10000 15000 20000 25000 Feet

0 1 2 3 4 5 Miles