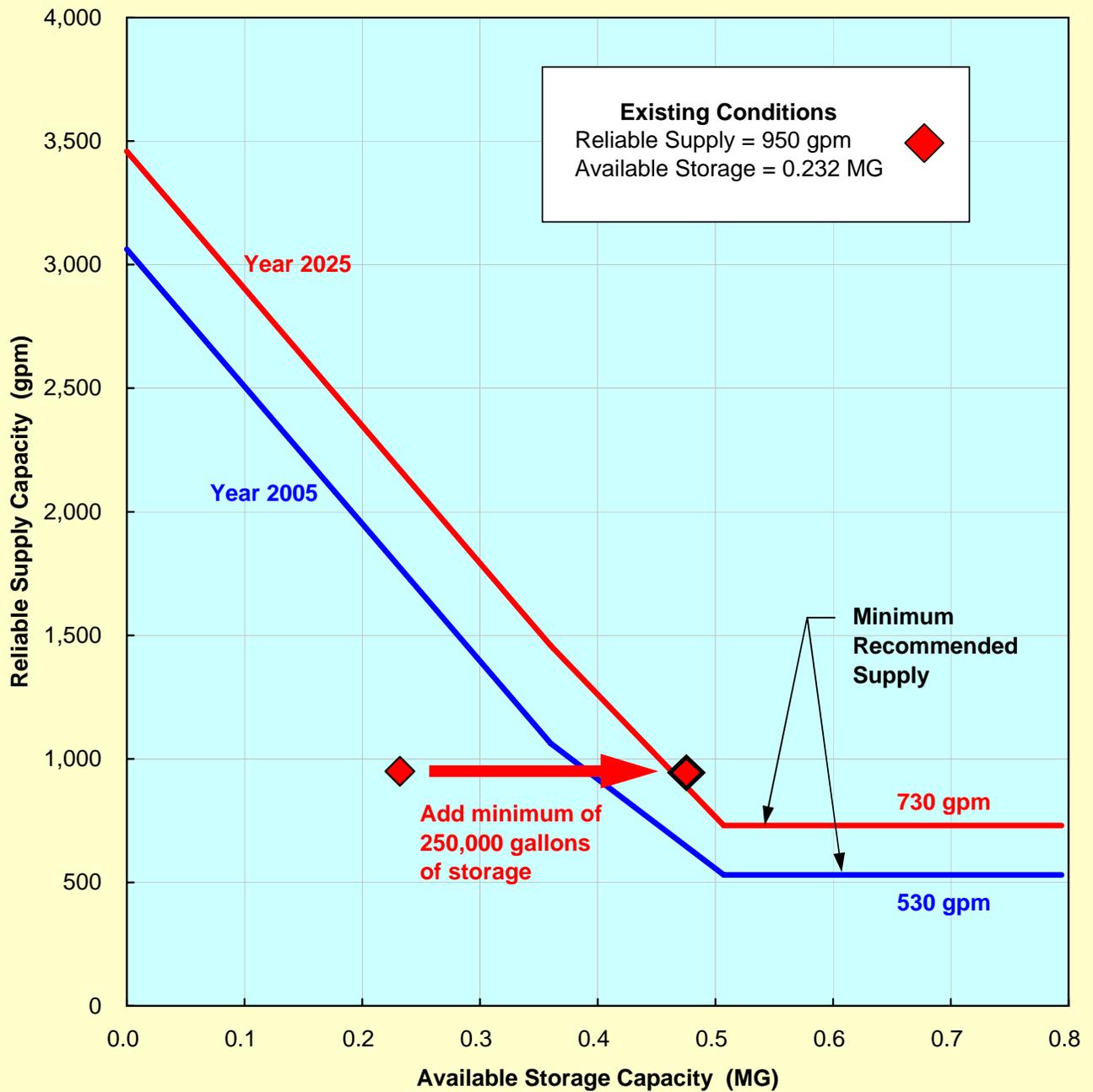


**SUPPLY & STORAGE NEEDS**  
SISTER BAY WATER UTILITY



**FIGURE 7-1**  
**RECOMMENDED ADDITIONAL STORAGE VOLUME**  
SISTER BAY WATER UTILITY  
VILLAGE OF SISTER BAY, WISCONSIN

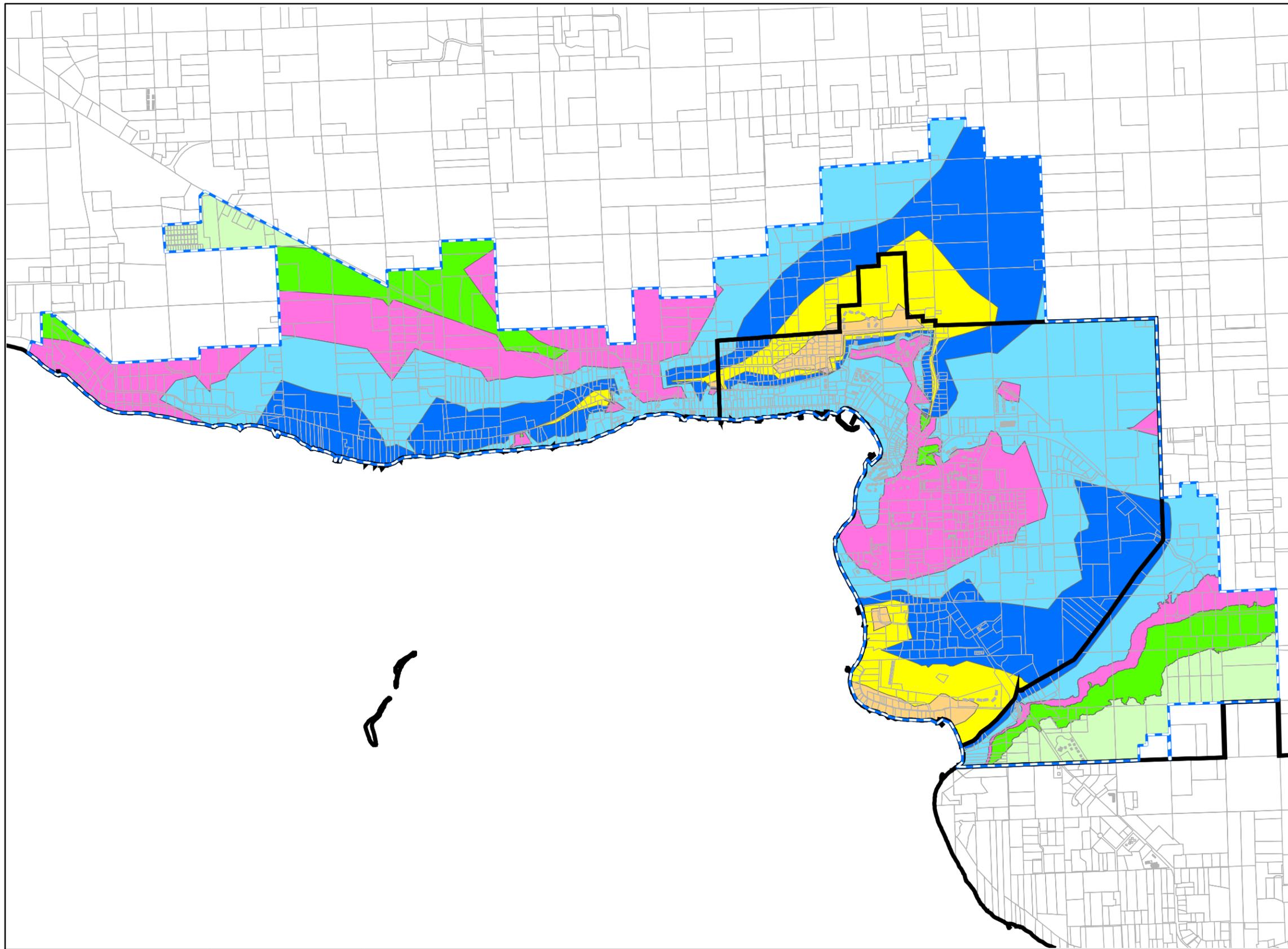
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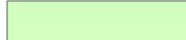
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X:\S\SISTB\050200\_UTILITIES\Project\Sister Bay copy\Report\Chapter 7\Fig 7-1.xls\Figure 7-1



**Legend**

**Peak Hour Pressure**

-  20-30 psi
-  30-40 psi
-  40-50 psi
-  50-60 psi
-  60-70 psi
-  70-80 psi
-  80-90 psi
-  90-100 psi
-  Municipal Boundaries
-  Parcels
-  2025 Water Service Area



Source:  
 Door County and Bay Lake RPC.  
 Projection:  
 Wisconsin State Plane  
 Map by:  
 SEH

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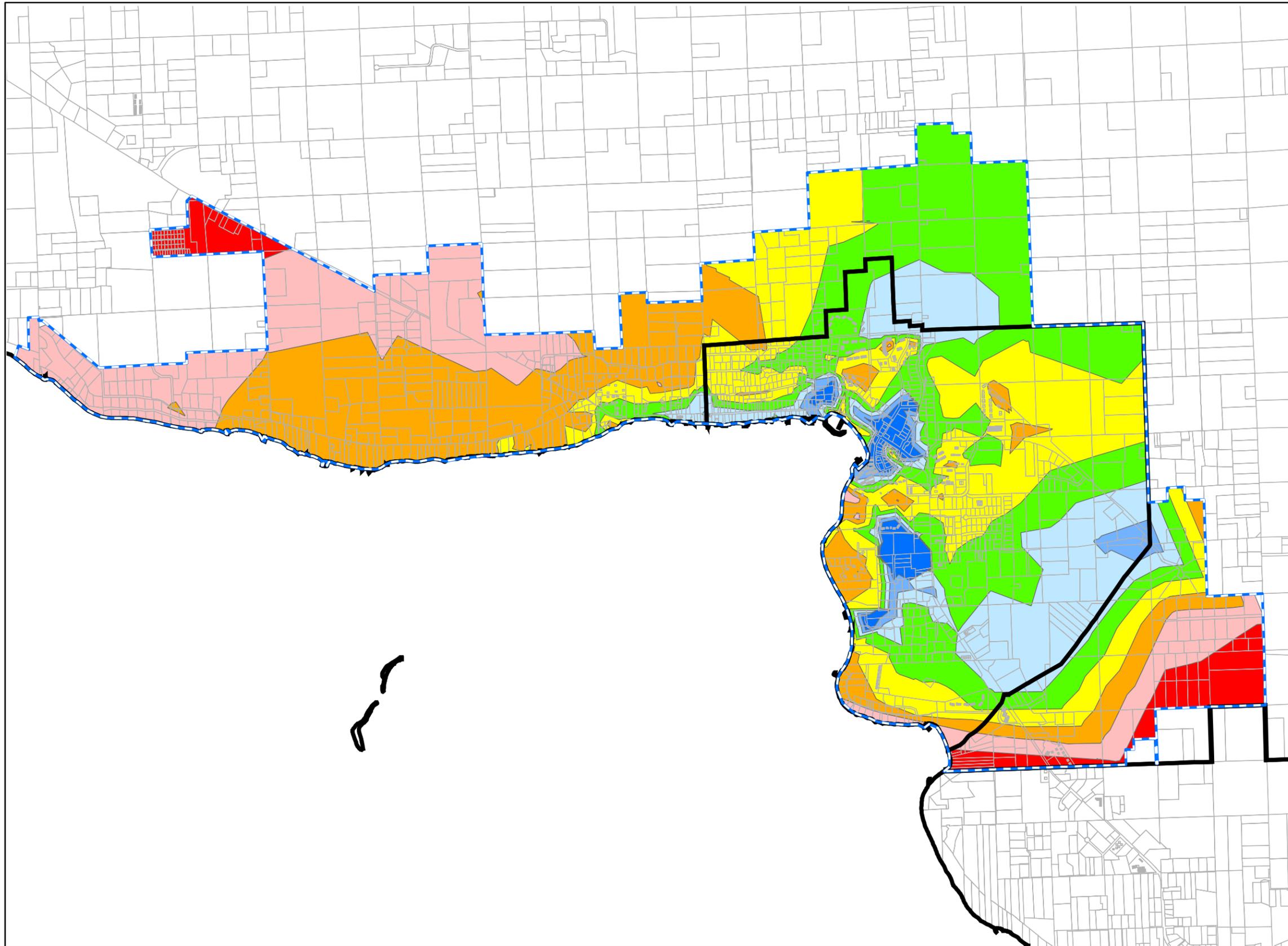
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 05/09/2006

# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**2025  
 Peak Hour  
 Pressures**

**Figure  
 7-2**



**Legend**

**Maximum Day Fire Flow**

- 0-500 gpm
- 500-1000 gpm
- 1000-1500 gpm
- 1500-2000 gpm
- 2000-2500 gpm
- 2500-3000 gpm
- 3000-3500 gpm
- 3500+ gpm
- Municipal Boundaries
- Parcels
- 2025 Water Service Area



0 1,250 2,500  
 Feet

Source:  
 Door County and Bay Lake RPC.  
 Projection:  
 Wisconsin State Plane  
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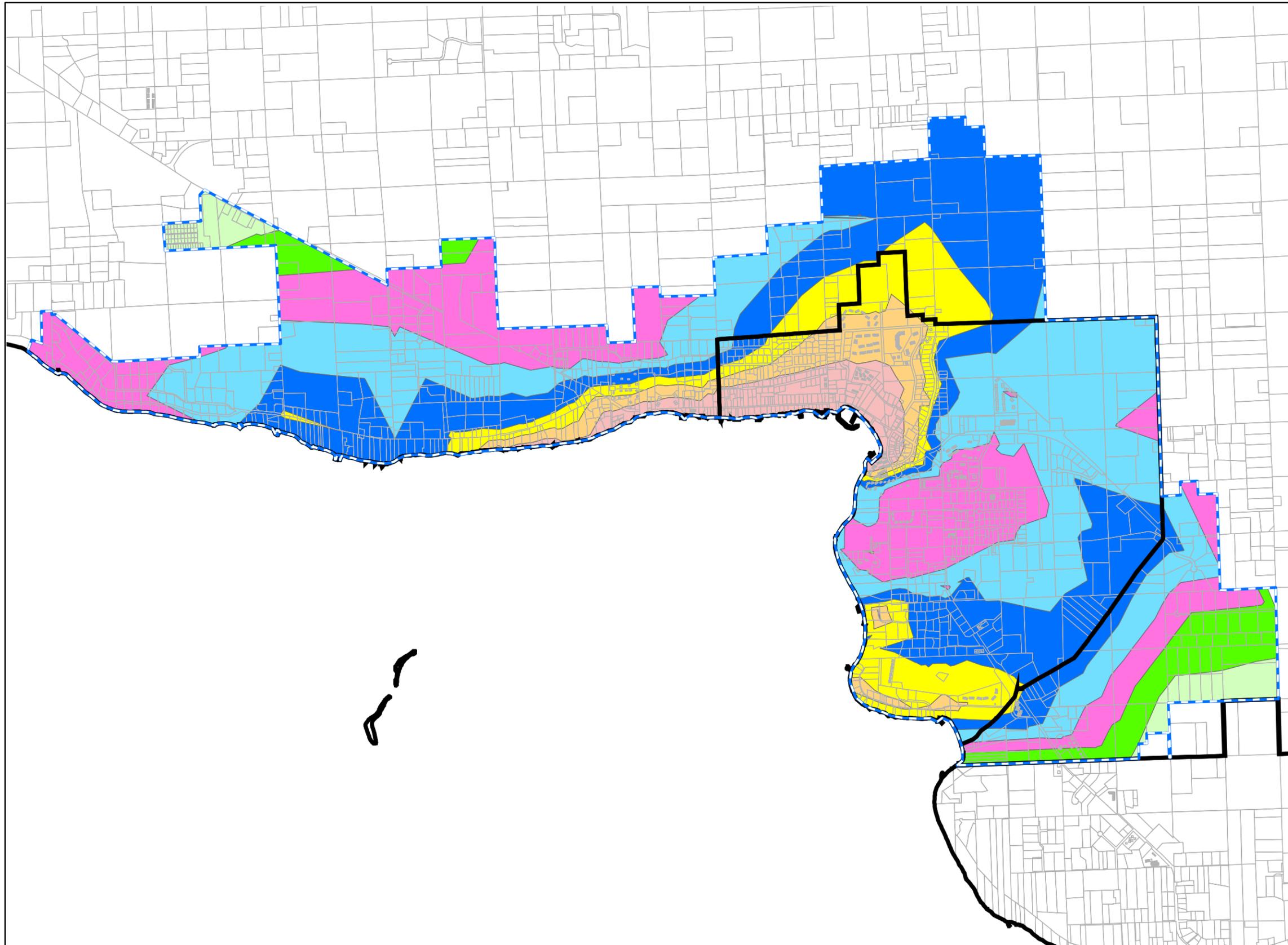
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**COMPREHENSIVE UTILITIES PLAN**  
 Village of Sister Bay

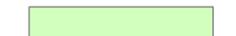
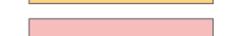
**2025  
 Maximum Day  
 Available  
 Fire Flow**

**Figure  
 7-3**



**Legend**

**Peak Hour Pressure**

-  20-30 psi
-  30-40 psi
-  40-50 psi
-  50-60 psi
-  60-70 psi
-  70-80 psi
-  80-90 psi
-  90-100 psi
-  Municipal Boundaries
-  Parcels
-  2025 Water Service Area



0 1,250 2,500  
 Feet

Source:  
 Door County and Bay Lake RPC.  
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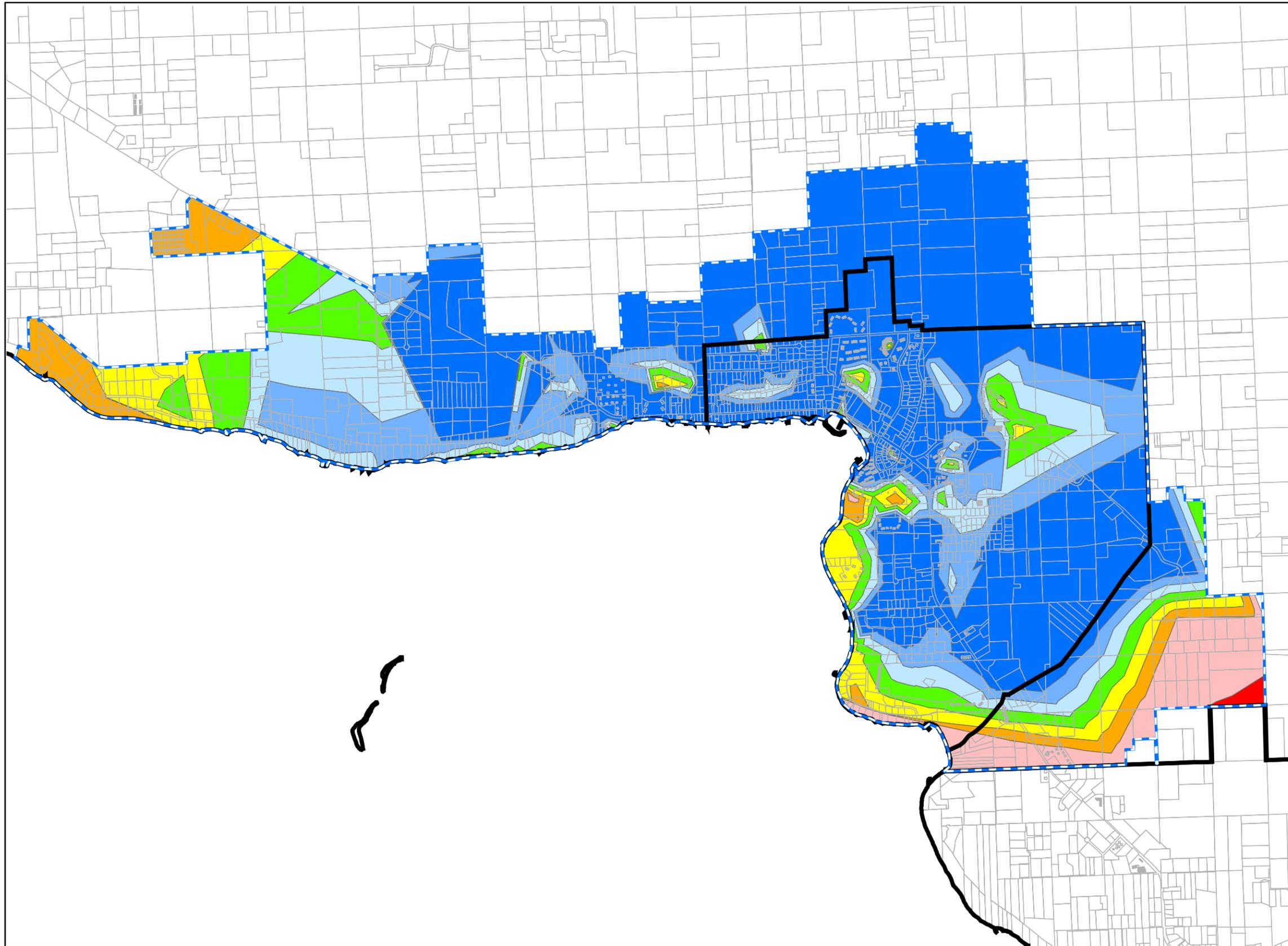
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DATE:  
 06/05/2006

**COMPREHENSIVE UTILITIES PLAN**  
 Village of Sister Bay

**2025 Peak Hour  
 Pressures  
 with Combined  
 Pressure Zone**

**Figure  
 7-4**



### Legend

#### Maximum Day Fire Flow

- 0-500 gpm
- 500-1000 gpm
- 1000-1500 gpm
- 1500-2000 gpm
- 2000-2500 gpm
- 2500-3000 gpm
- 3000-3500 gpm
- 3500+ gpm
- Municipal Boundaries
- Parcels
- 2025 Water Service Area



0 1,250 2,500  
 Feet

Source:  
 Door County and Bay Lake RPC.  
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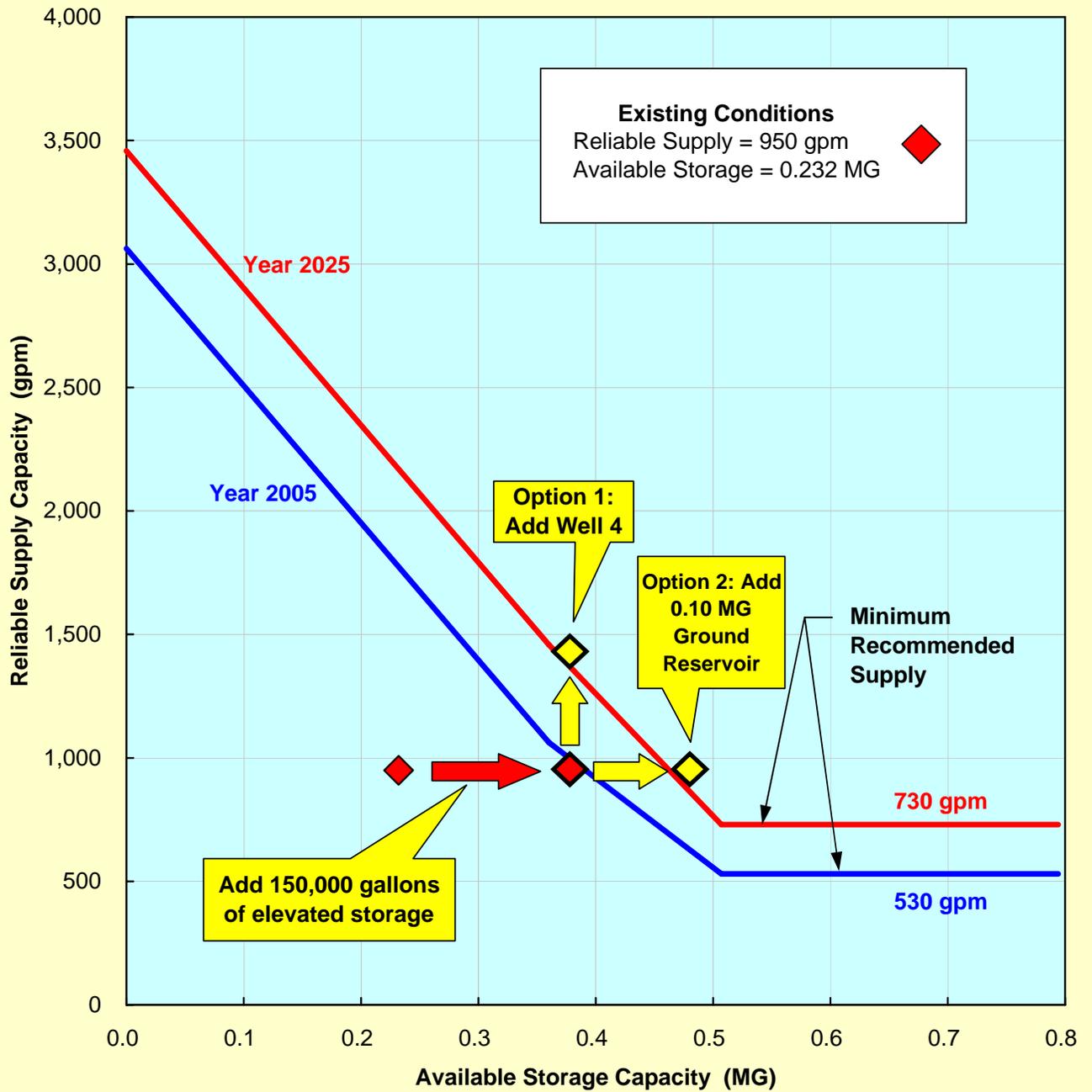
# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**2025 Maximum Day  
 Available Fire Flow  
 with Combined  
 Pressure Zone**

**Figure  
 7-5**

**SUPPLY & STORAGE NEEDS**  
SISTER BAY WATER UTILITY



SHORT ELLIOTT  
HENDRICKSON



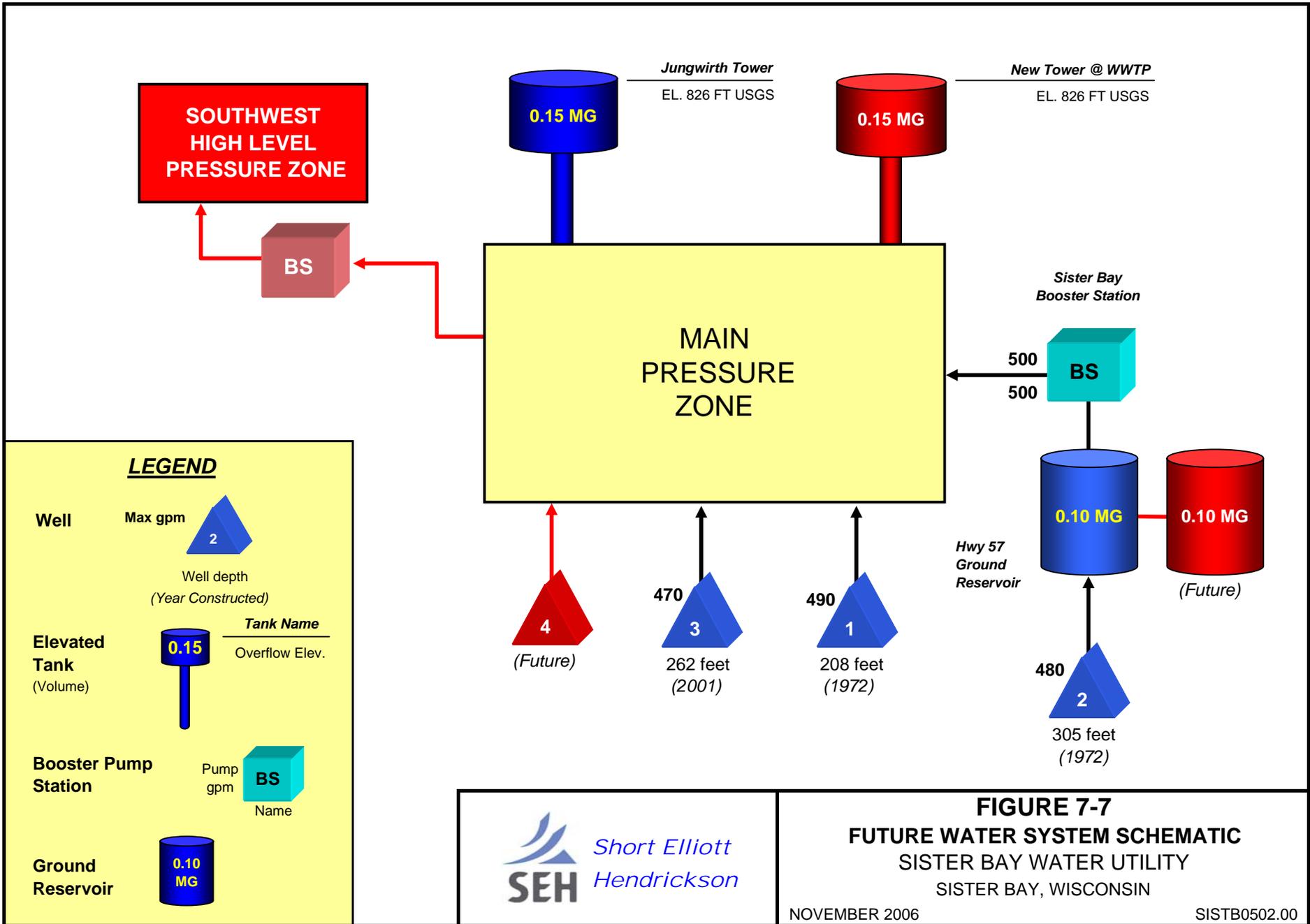
**FIGURE 7-6**  
**RECOMMENDED SUPPLY/STORAGE IMPROVEMENTS**

SISTER BAY WATER UTILITY  
VILLAGE OF SISTER BAY, WISCONSIN

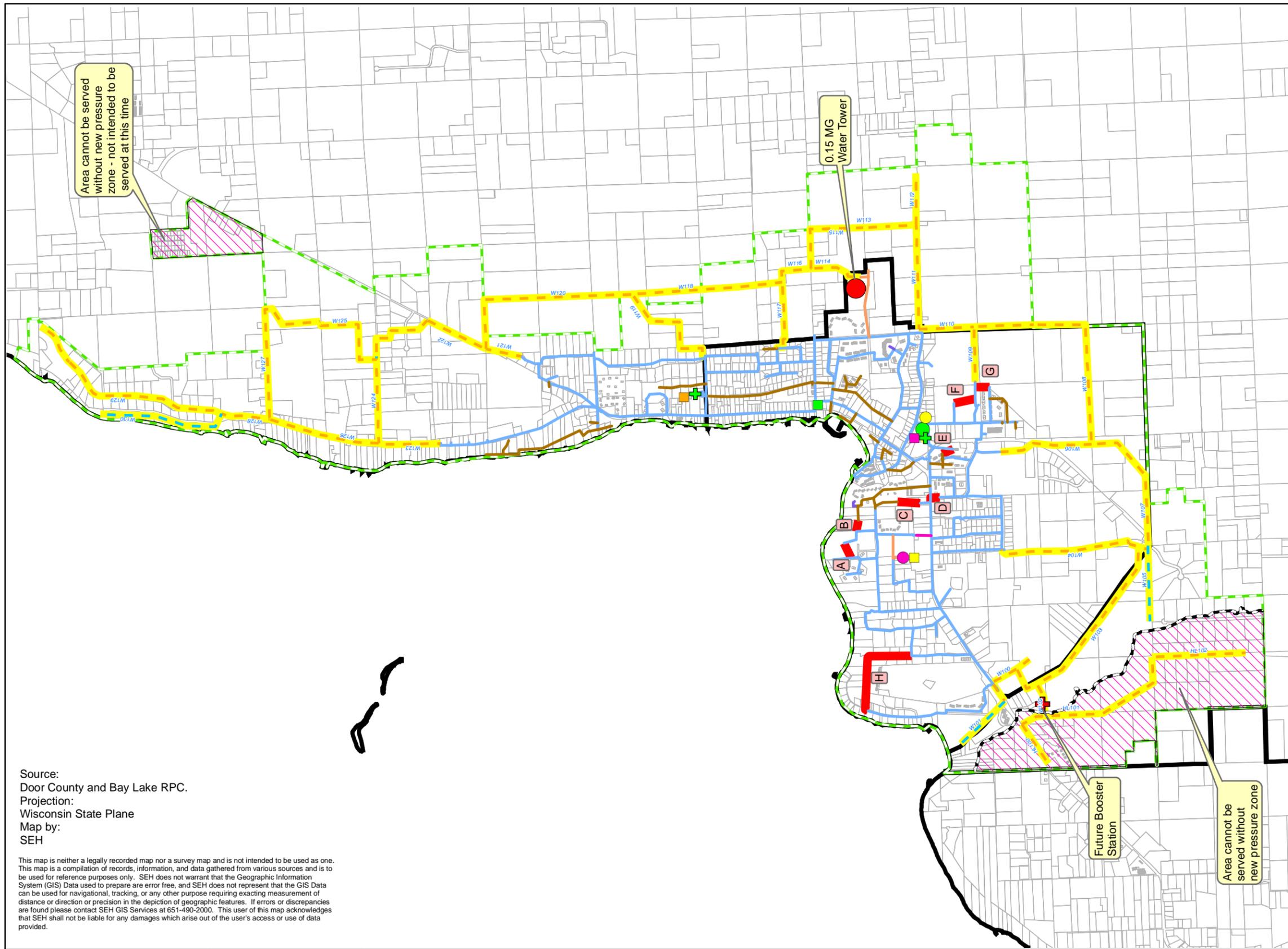
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**Legend**

- + Existing Booster Station
  - + Future Booster Station
  - Jungwirth Tower
  - Future Ground Water Reservoir
  - Standpipe
  - Future 0.15 MG Water Tower
  - Well No. 1
  - Well No. 2
  - Well No. 3
  - Future Well No. 4
- Future Pipe(Diameter)**
- - - - - 8
  - - - - - 12
- Existing Pipe(Diameter)**
- 4
  - 6
  - 8
  - 10
  - 12
- Recommended Improvements to the Existing System
  - Recommended Future Water Main Improvements
  - Municipal Boundaries
  - Parcels
  - 2025 Water Service Area
  - Future Pressure Zone Boundary
- 0 1,250 2,500 Feet N

Source:  
Door County and Bay Lake RPC.  
Projection:  
Wisconsin State Plane  
Map by:  
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# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**Recommended  
Water System  
Master Plan**

**Figure  
7-8**