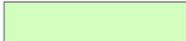


Legend

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
-  100-110 psi

-  Municipal Boundaries
-  Parcels
-  Existing Water Service Area



0 750 1,500
 Feet

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

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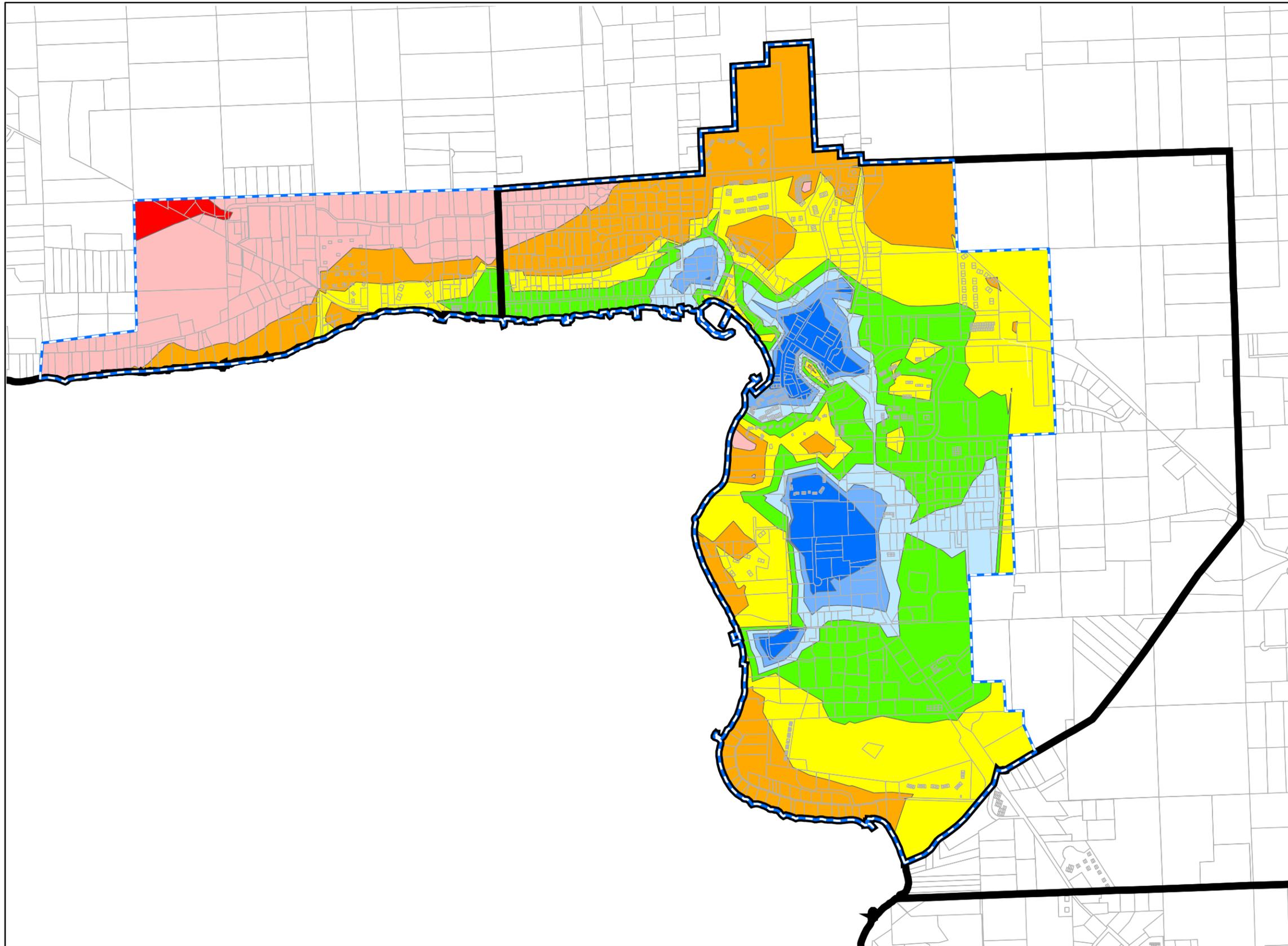
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COMPREHENSIVE UTILITIES PLAN
 Village of Sister Bay

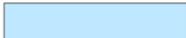
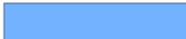
**Existing
 Peak Hour
 Pressure**

**Figure
 6-1**



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
-  Existing Water Service Area



0 750 1,500
 Feet

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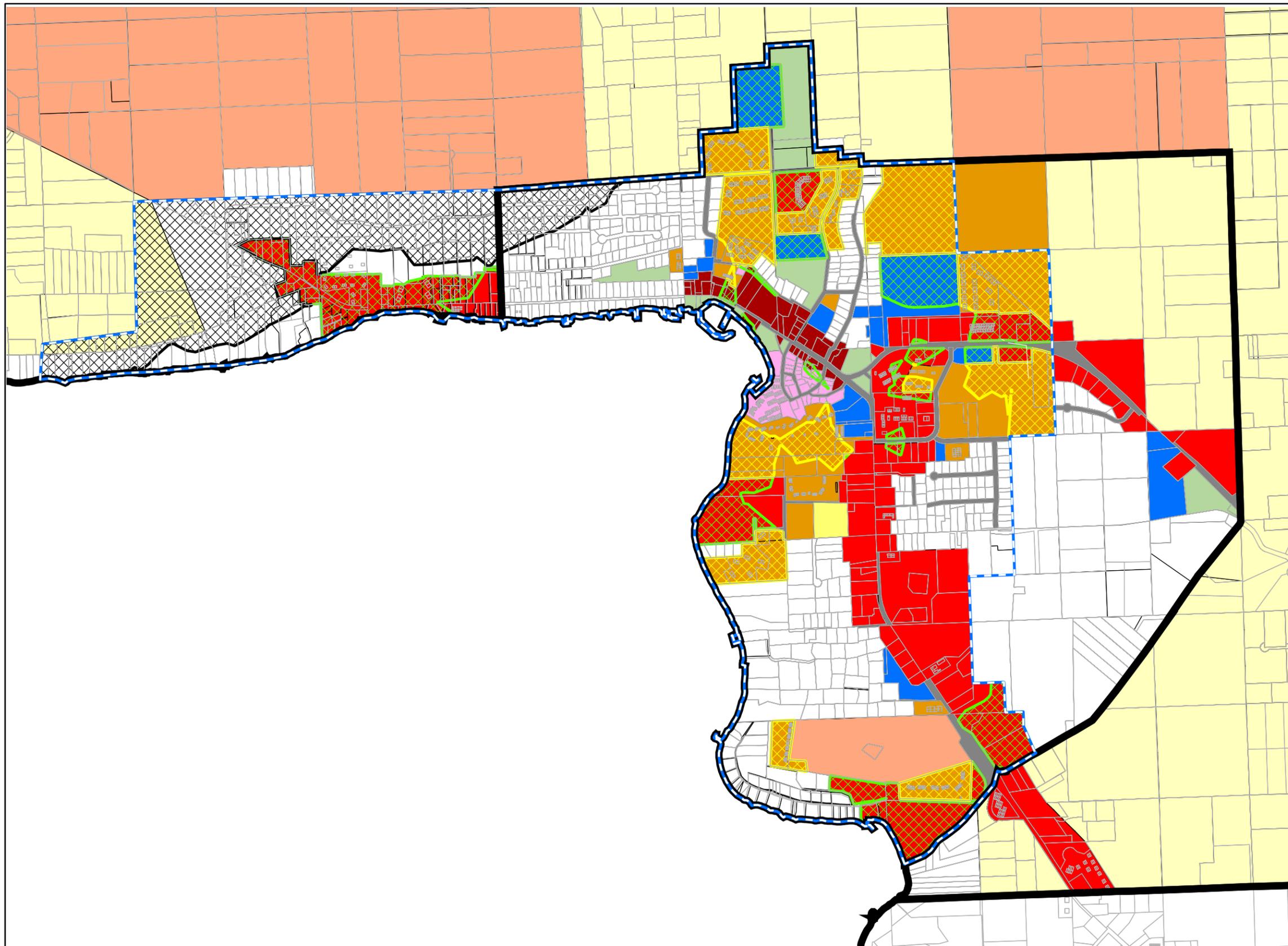
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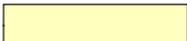
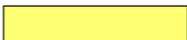
COMPREHENSIVE UTILITIES PLAN
 Village of Sister Bay

**Existing
 Maximum Day
 Available
 Fire Flow**

**Figure
 6-2**



Legend

-  (CS-1) Countryside
-  (R-1) Single-Family Residence
-  (R-2) Multiple-Family Residence
-  (R-3) Large Lot Residence
-  (R-4) Small Lot Residence
-  (B-1) General Business
-  (B-2) Downtown Business Transition
-  (B-3) Downtown Business
-  (I-1) Institutional
-  (P-1) Park/Recreation
-  Roadway Right-of-Way
-  Liberty Grove Industrial
-  Liberty Grove Natural Area
-  Municipal Boundaries
-  Parcels
-  Existing Water Service Area
- Areas with Low Fire Flow Availability**
-  LOW DENSITY RESIDENTIAL (Less than 1000 GPM)
-  HIGH DENSITY RESIDENTIAL (Less than 2000 GPM)
-  COMMERCIAL / INSTITUTIONAL (Less than 2000 GPM)



Source:
Door County and Bay Lake RPC.

Projection:
Wisconsin State Plane

Map by:
SEH

0 750 1,500 Feet

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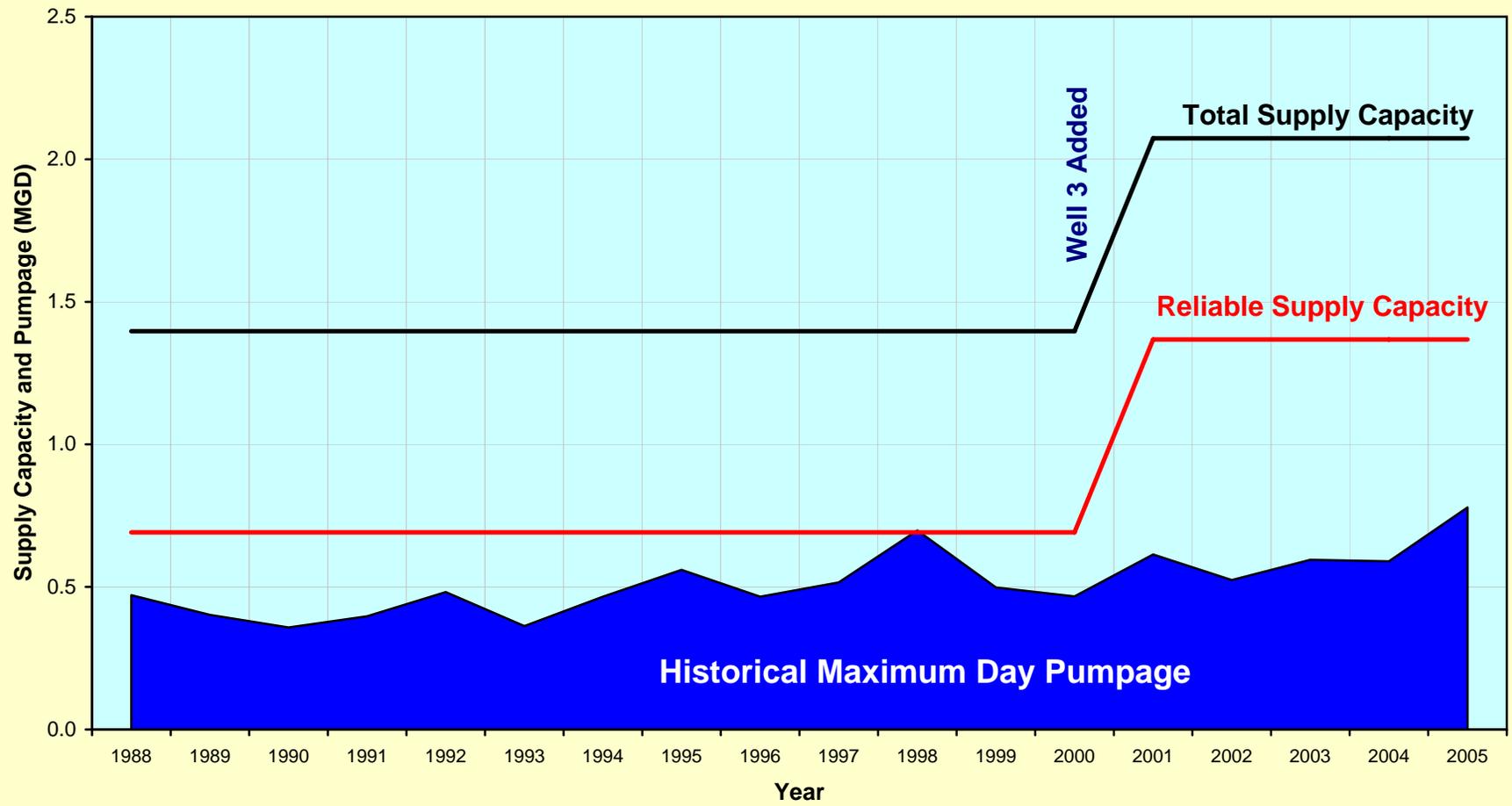
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COMPREHENSIVE UTILITIES PLAN
 Village of Sister Bay

**Low Availability
 Fire Flow Under
 Maximum Day
 Demand**

**Figure
 6-3**

Maximum Day Pumpage vs. Supply Capacity



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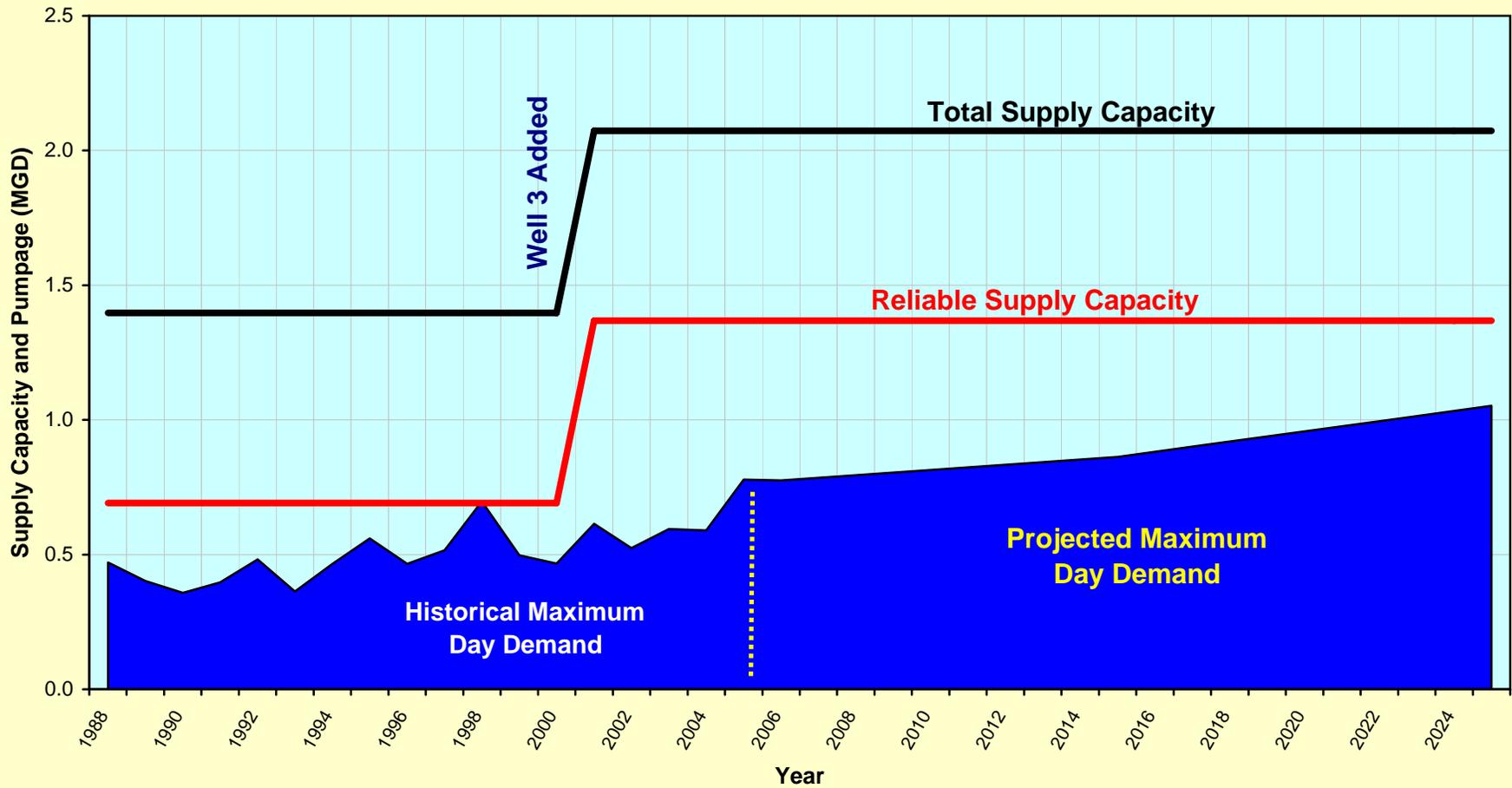
FIGURE 6-4
HISTORICAL MAXIMUM DAY PUMPAGE vs. SUPPLY CAPACITY
SISTER BAY WATER UTILITY
VILLAGE OF SISTER BAY, WISCONSIN

MAY 2006

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C:\Documents and Settings\planton\My Documents\Projects\Sister Bay copy\Report\Chapter 6\Figures 6-4 & 5.xls\FIGURE 6-4

Projected Maximum Day Pumpage vs. Supply Capacity



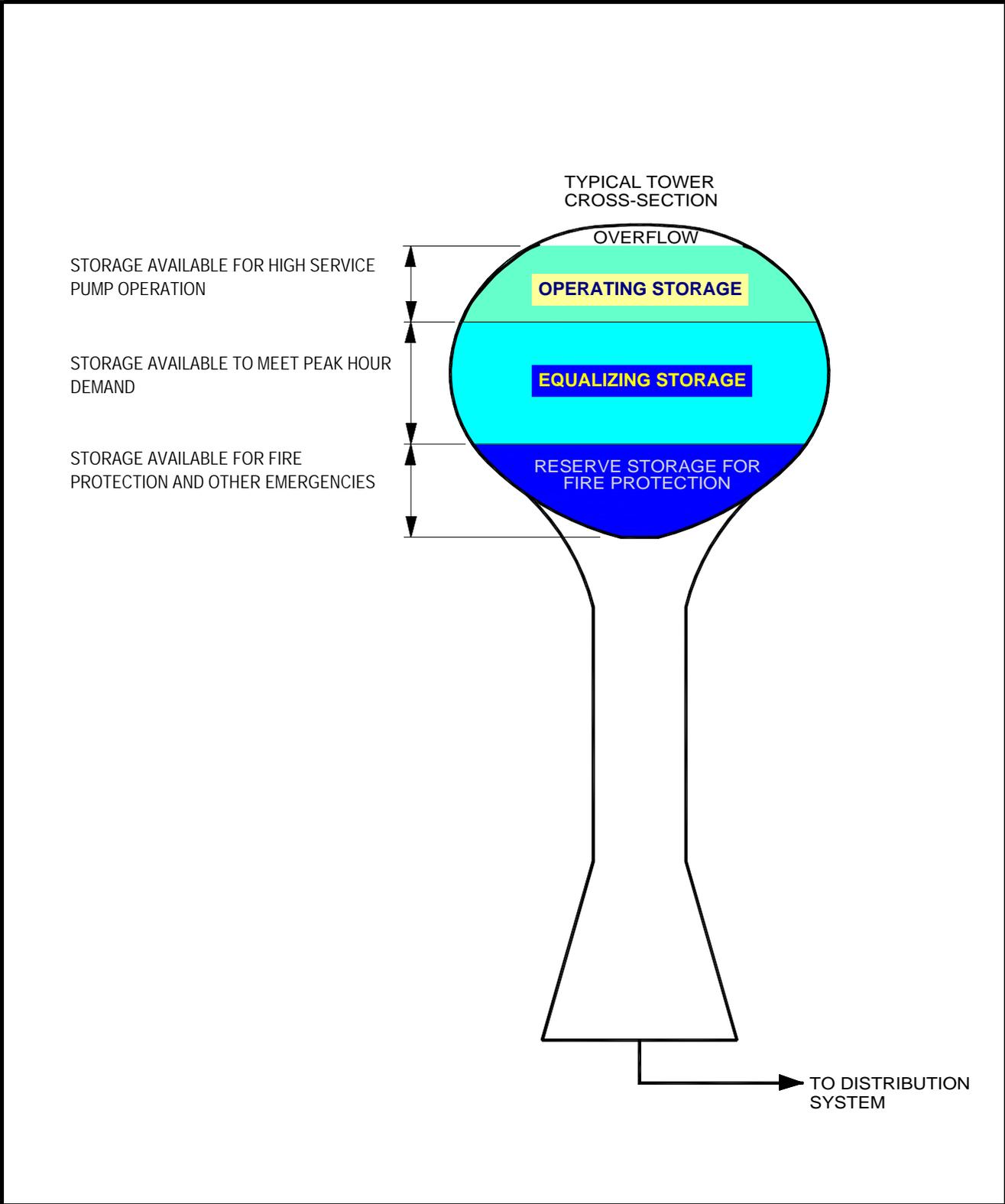
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FIGURE 6-5
PROJECTED MAXIMUM DAY PUMPAGE vs. SUPPLY CAPACITY
SISTER BAY WATER UTILITY
VILLAGE OF SISTER BAY, WISCONSIN

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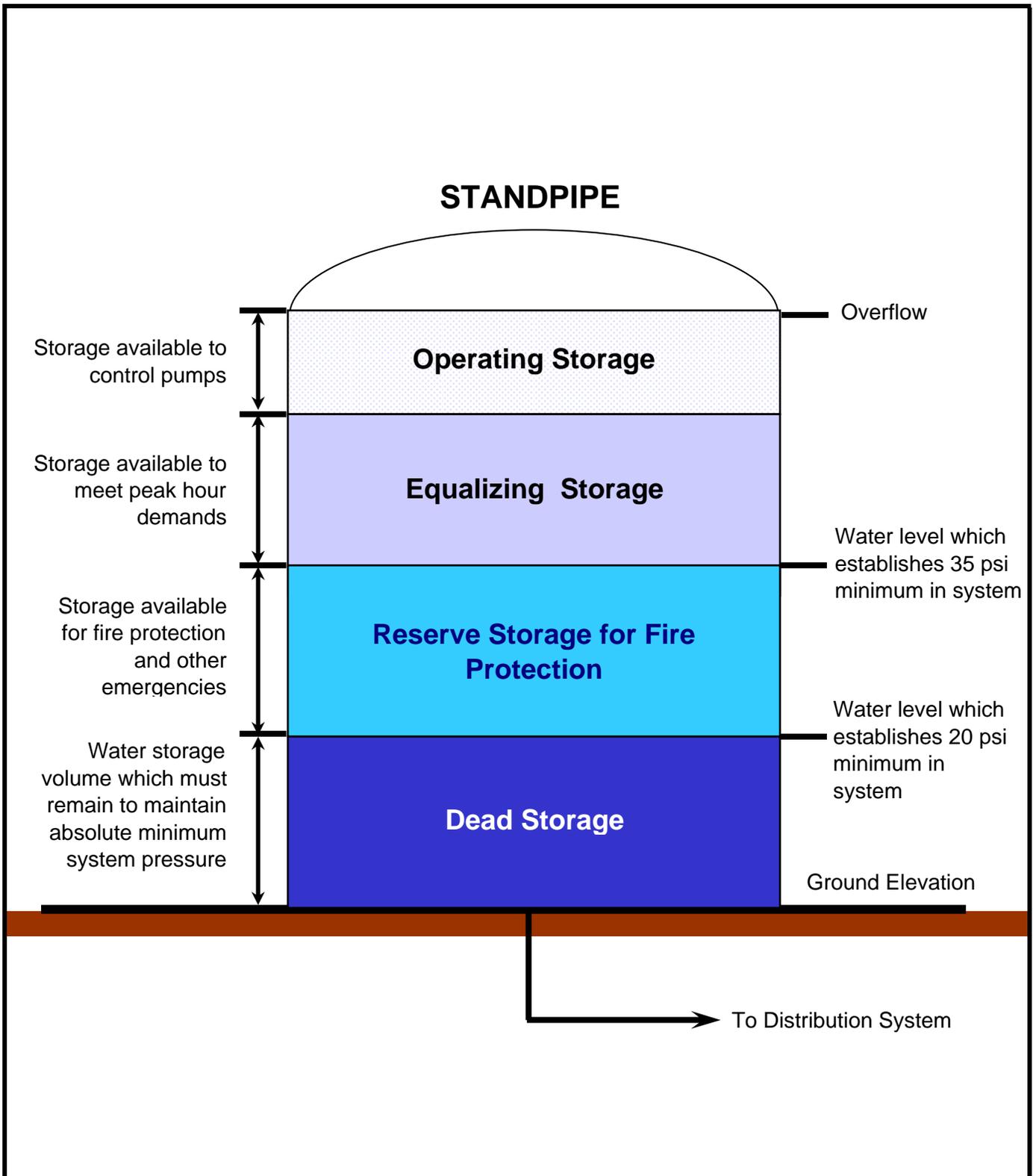


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FIGURE 6-6
SYSTEM STORAGE REQUIREMENTS
SISTER BAY WATER UTILITY
VILLAGE OF SISTER BAY, WISCONSIN
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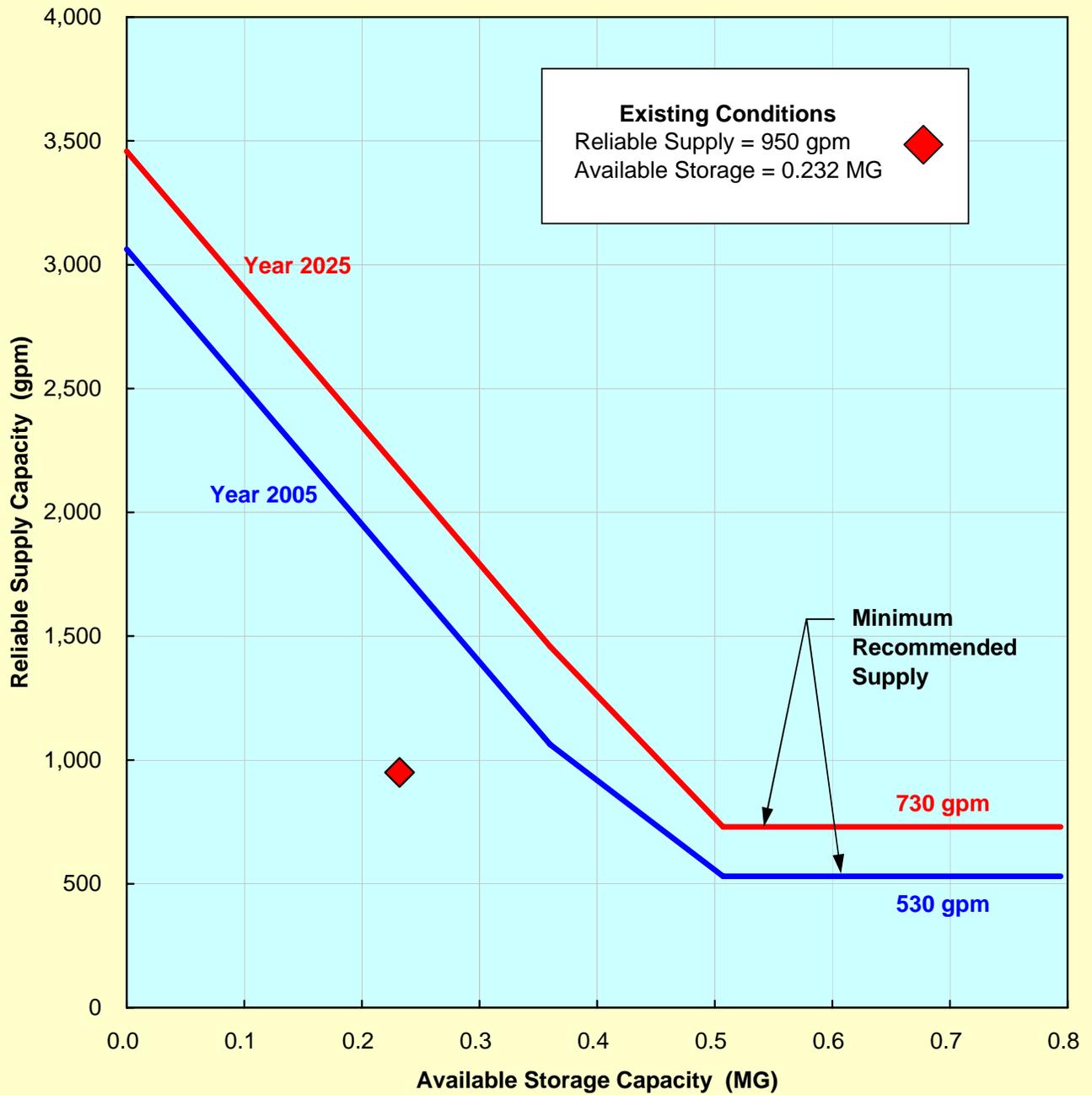


FIGURE 6-7
EFFECTIVE STANDPIPE STORAGE VOLUMES
SISTER BAY WATER UTILITY
VILLAGE OF SISTER BAY, WISCONSIN

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SUPPLY & STORAGE NEEDS
SISTER BAY WATER UTILITY



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FIGURE 6-8
SUPPLY & STORAGE NEEDS
SISTER BAY WATER UTILITY
VILLAGE OF SISTER BAY, WISCONSIN

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