



Executive Summary

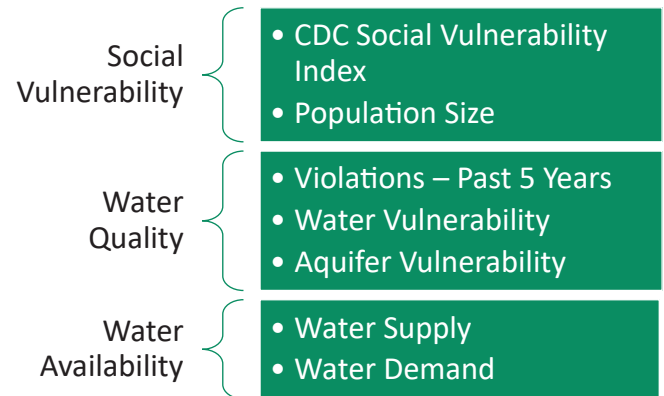
Winnebago County Small Community Water Security Assessment

A small community water system (SCWS) is a public water system (PWS) that provides water year-round to the same population of 10,000 or fewer customers.

This study examined small community water systems in Winnebago County throughout 2022 to identify and prioritize the community water systems and populations most susceptible to disruptions in accessing safe, clean (potable) water.

The SCWSs were prioritized based on Water Quality (60%), Water Availability (30%), and Social Vulnerability (10%) outlined in Section 7 of the report.

Water distribution lines were not included within the criterion of this assesment due to limited data availability.



Community Water Systems Evaluated

- Aqua Illinois Sheridan Grove
- Bill Mar Heights Mobile Home Park (MHP)
- Bradley Heights Subdivisions
- Village of Cherry Valley
- Clarks Mobile Home Park (MHP)
- Village of Durand
- Forest View Mobile Home Park (MHP)
- Green Meadow Estates of Rockford
- Illinois American – South Beloit
- Legend Lakes Water Association
- Mancuso Village Park (MHP)
- Otter Creek Lake Utility District
- Village of Rockton
- Six Oaks Mobile Park Home (MHP)
- South Bluff Mobile Park Home (MHP)
- Utilities Inc. Coventry Creek Subdivision
- Utilities Inc. Coventry Hills
- Utilities Inc. West Lake Utilities
- Wildwood Utilities Company
- Village of Winnebago
- Village of Pecatonica
- Phil-Aire Estates Mobile Park Home (MHP)
- Prairie Road Pump Corporation
- Rainbow Lane Mobile Home Park (MHP)

Eight (8) of the SCWS are mobile home parks, identified by the acronym (MHP)

Suggested Goals

1. Ensure access to safe and clean drinking water for residents served by small community water systems.
2. Maintain and repair small community water system infrastructure.
3. Strengthen a sustainable water supply.
4. Integrate small community water systems into public policies and planning efforts.
5. Educate the public and elected officials on safe and sustainable water resource management.

See Section 6.

Findings and Recommendations

See Section 5 from the report attached.



Section 5

Findings

This assessment grouped small community water systems (SCWSs) into three (3) categories: high concern, average concern, and low concern. These categories are used to prioritize SCWSs based on their respective level of vulnerability. Further based on the assessment results, this summary groups the SCWSs into terciles. The summary ranks SCWSs with the top one-third of scores as a high concern, the second third as an average concern, and the final third tercile as a low concern. This summary highlights additional considerations for SCWSs that purchase water from municipal sources or SCWSs that are missing data. It is also important to note that the water violation scores are weighted higher than other factors due to the significant health risks these violations pose to the communities served by the SCWS. For additional information on the assessment criteria and methodology please see [Section 7](#).

High Concern

The SCWSs highlighted in this section are the systems with the highest concerns from the assessment.

The SCWSs of top concern are as follows.

BILL-MAR HEIGHTS MHP	69.75
CHERRY VALLEY*	63.34
MANCUSO VILLAGE PARK MHP	54.39
RAINBOW LANE MHP	53.23
GREEN MEASDOW ESTS OF ROCKFORD*	47.12
DURAND	44.10
UTL INC COVENTRY HLS UTL INC	43.64
WINNEBAGO	42.42

*Green Meadow Estate MHP recently decommissioned its wells in 2022. Although this system now purchases municipal water, the assessment still includes this system if the wells are ever reinstated.

*Cherry Valley has an emergency back-up arrangement with the City of Rockford through an Inter-Governmental Agreement (IGA).

While these systems have varying scores of social vulnerability and water availability, the major contributing factor to their ranking is the Water Quality section, specifically the water

quality violations. Water quality violations can be addressed preemptively, especially compared to other unmodifiable factors like aquifer recharge potential or aquifer type.

Average Concern

The SCWSs highlighted in this portion are the systems that have the median values from the assessment.

PECATONICA	37.92
OTTER CREEK LAKE UTL DSTRCT	37.55
UTL INC WESTLAKE UTILITIES INC	36.72
AQUA IL SHERIDAN GROVE/SHERIDAN GROVE SUBDIVISION	36.67
ROCKTON	35.78
PHIL-AIRE ESTATES MHP	34.29
IL AMERICAN-SOUTH BELOIT*	33.65
WILDWOOD UTILITIES COMPANY	30.96

*Illinois American – South Beloit only has one (1) well reserved for emergencies. This system purchases water from the City of Beloit and the system expects to decommission the existing well in the near future.

Low Concern

The SCWSs highlighted in this portion are the systems that have the lowest values from the assessment.

LEGEND LAKES WATER ASSOCIATION	30.19
UTL INC CONVENTRY CREEK SBDV	29.62
SIX OAKS MHP	28.84
PRAIRIE ROAD PUMP CORPORATION	28.28
CLARKS MHP	28.24
BRADLEY HEIGHTS SUBDIVISION	21.15
SOUTH BLUFF MHP*	19.07
FOREST VIEW MHP*	2.07

*South Bluff MHP and Forest View MHP are outliers in this assessment since both systems have no wells and purchase water from public water systems.