

# Illinois Environmental Protection Agency



## Source Water Assessment Program *FACT SHEET*

### WARRENVILLE

#### DUPAGE COUNTY

Prepared in cooperation with the U.S. Geological Survey.

Information and data used in the preparation of this Fact Sheet are provided by the Illinois EPA and are subject to revision.

#### IMPORTANCE OF SOURCE WATER:

Warrenville (Facility Number 0430833) utilizes six active public water supply wells. Well #4 (Illinois EPA #20766), Well #5 (Illinois EPA #20767), Well #8 (Illinois EPA #20769), Well #9 (Illinois EPA #00309), Well #10 (Illinois EPA #00622) and Well #11 (Illinois EPA #01158) provide an average of 973,000 gallons per day to 3,700 service connections with an estimated population of 10,500 persons.

#### WATER SUPPLIES THAT OBTAIN SOURCE WATER FROM THIS FACILITY:

No connected water supplies existed at the time this Source Water Assessment fact sheet was completed.

#### SOURCE OF WATER SUPPLY:

Well #4 is located off Winchester Circle. Well #5 is located north of Ferry Road at the Illinois Youth Center. Well #8 is located off Country Ridge Road east of State Route 59. Well #9 is located on the south side of Warrenville Road by Lorraine Avenue. Well #10 is located on the northwest corner of Batavia Road and Cherice Drive. Well #11 is located off River Road north of Toll Highway 88. Wells #2 and #7 have been properly abandoned. Well #4 and Wells #8-11 utilize a shallow bedrock aquifer of the Silurian/Maquoketa Age. Well #5 utilizes a shallow bedrock aquifer of the Silurian Age. The aquifers utilized by this facility's wells are overlain by till or other fine grained material of low permeability (permeability is a measure of the ability of a soil or sediment to transmit fluids). These wells are not considered geologically sensitive by the Illinois EPA.

#### WELL DATA FOR THIS FACILITY:

Well ID	Well Description	Status	Depth (Feet)	Min Setback (Feet)	Aquifer Description
00309	W9 S SIDE WARRENVILLE RD BY	A	354	200	Mixed
00622	WELL 10 NW COR BATAVIA RD &	A	368	200	Mixed
20765	WELL 2 ON RIVER ROAD BY 0.5M	B	300	400	Mixed
20766	WELL NO 4 WINCHESTER CIRCL	A	365	200	Mixed
20767	WELL NO 5 ILL YOUTH CENTER	A	200	200	Devonian/Silurian
20768	WELL NO 7 JOLIET RD	B	200	400	Mixed
20769	WELL NO 8 COUNTRY RIDGE DR	A	335	200	Mixed
01158	WELL 11 IS 15 FT E OF WELL 2	A	350	200	Mixed

#### SOURCE WATER QUALITY:

The public water supply wells at Warrenville were sampled as part of the Statewide Groundwater Monitoring Network beginning on December 4, 1983. The samples were analyzed for volatile organic compounds (VOC) and inorganic chemicals (IOC). Well #4, #8 and #11 were also analyzed for synthetic organic compounds

(SOC).

Review of the VOC and SOC analyses did not indicate quantifiable levels of organic compounds. Review of the IOC data for the wells indicated that the parameters are consistent with those of other wells utilizing similar bedrock aquifers. It should also be noted that the IOC results were consistent among all of Warrenville wells and all results were below the groundwater quality standards established under 35 Illinois Administrative Code Part 620.410.

#### **FINISHED WATER QUALITY:**

Finished water quality data tables of monitored parameters, contaminants detected, health advisory information, drinking water standards or maximum contaminant levels are available at <http://www.epa.gov/ogwdw/>. Similar information on finished water quality is included in the Consumer Confidence Report (CCR) provided by the water supply to its customers. A review of this information does not indicate levels of organic or inorganic compounds which exceed the drinking water quality standards.

#### **POTENTIAL SOURCES OF CONTAMINATION:**

The sites labeled on the Wellhead Protection Planning Map and included in the following tables are considered "potential" sources of contamination. (Maps and tables are not available in the Visually Impaired Accessible version. However, the information presented in the maps and tables is summarized within the following text sections of this fact sheet.) The Illinois EPA performed a detailed Well Site Survey in 1988 to identify potential sources of contamination to the city's wells. These sources are identified based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. In addition, the Illinois EPA made use of information from its leaking underground storage tank database (<http://epadata.epa.state.il.us/land/ust/search.asp>) and site remediation program database (<http://epadata.epa.state.il.us/land/srp/search.asp>) to further assess potential sources of contamination to the city's source water. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA). The following is a list of facilities contained within these databases.

IEMA #	LPC #	Site Name	Address	City	ZIP Code
20002409	0430835011	Speedway SuperAmerica	2 South 540 Rt. 59	Warrenville	60555
20011965	0430835035	BP Products North America, Inc.	28 West 125th Warrenville Rd.	Warrenville	60555
890615	0430835002	Fontana Motor Sales	28 West 40 Warrenville Rd.	Warrenville	60555
890921	0430835021	Schmidt, Al	29 West 572 Batavia Rd.	Warrenville	60555
900242	0430835010	Portable Tool	3 South 430 Rt. 59	Warrenville	60555
911168	0430835013	R.C. Lund Greenhouse	3 South 541 Winfield Rd.	Warrenville	60555
912212	0430835022	Harris Bank Hinsdale	29 W036 Butterfield Rd.	Warrenville	60555
923123	0430830002	Elmhurst Chicago Stone	Warrenville & Winfield Rd.	Warrenville	60555
931211	0430835011	Emro Marketing	2 South 540 Rt. 59	Warrenville	60555
940189	0430835028	Sutton Lanes Inc.	2 South 500 Rt. 59	Warrenville	60555
940502	0430835029	Illinois Dept. of Corrections	1/2 mile West OF 59 & I-88	Warrenville	60555
941118	0430835031	C&K Properties	29 West 585 Batavia Rd.	Warrenville	60555
942631	0430833004	Singer, Mrs. Hortense	3 South 338 Rt. 59	Warrenville	60555
951269	0430833004	Singer, Hortense	South 338, Rt. 59	Warrenville	60555
970993	0430835025	AT&T	28W615 Ferry Rd.	Warrenville	60555
971483	0430835041	Warrenville, City of	3S346 Mignin Ave.	Warrenville	60555
972131	0430835043	Amoco Oil Co.	28W550 Batavia Rd.	Warrenville	60555
972502	0430835012	Phillips Petroleum Co.	28 West 244 Aurora Rd.	Warrenville	60555
980450	0430835004	S & S Excavating	30 West 170 Butterfield Rd.	Warrenville	60555
980833	0430835045	St. James Farm	2S 601 Winfield Rd.	Warrenville	60555
981090	0430835046	AMP Rite Electric	30W 310 Butterfield Rd.	Warrenville	60555
981812	0430835010	Portable Tool Co.	3 South 430 Rt. 59	Warrenville	60555

LPC #	Site Name	Street	City	ZIP Code
0430835050	Cantera Development Lot K-1	1661 North West Street	Warrenville	60555-

#### **SITE DATA FOR THIS FACILITY:**

Well ID	Map Code	Site Name	Site Description	Distance (Feet)
00309	10731	Chases Upholstering	FURNITURE REFINISHING	380
00309	10732	Materials Service Inc.	READY MIX/CEMENT	600
20765	11264	BAUER JR HIGH SCHOOL	SCHOOL	220
20767	02066	STATE OF ILLINOIS YOUTH CEN	BELOW GROUND STORAGE (PET	520
20768	02067	TRIFFANY'S RESTAURANT	RESTAURANT/FOOD SERVICE	5
20768	02069	AMOCO	BELOW GROUND STORAGE (PET	480
20768	02068	4-M PLAZA	OFFICE	160
20768	02070	UNKNOWN	UNIDENTIFIED DRUM(S)	180
20768	02071	UNOCAL 76	BELOW GROUND STORAGE (PET	500
20769	02065	CENTRAL DUPAGE HOSPITAL	OFFICE	950
20769	02064	KRESL POWER EQUIPMENT INC	STORE/SALES	880
20769	02062	CHECKER, BATAVIA	BELOW GROUND STORAGE (PET	1000
20769	02061	CAR CLINIC	BELOW GROUND STORAGE (PET	620
20769	02060	CECAS BATAVIA	STORE/SALES	560
20769	02059	PLAZA BATAVIA	STORE/SALES	180
20769	02063	HCI, BATAVIA	STORE/SALES	700

#### **OTHER IDENTIFIED POTENTIAL SOURCES:**

For this community water supply, no additional potential sources of contamination have been identified beyond those in Illinois EPA databases.

#### **SUSCEPTIBILITY TO CONTAMINATION:**

Based on information obtained in a Well Site Survey, published in 1990 by the Illinois EPA, seventeen potential sources or possible problem sites were identified within the survey area of Warrenville wells. Furthermore, information provided by the Leaking Underground Storage Tank and Remedial Project Management Sections of the Illinois EPA indicated several additional sites with ongoing remediation which may be of concern. Based on information provided by the city, the following site has gone out of business, R.C. Lund.

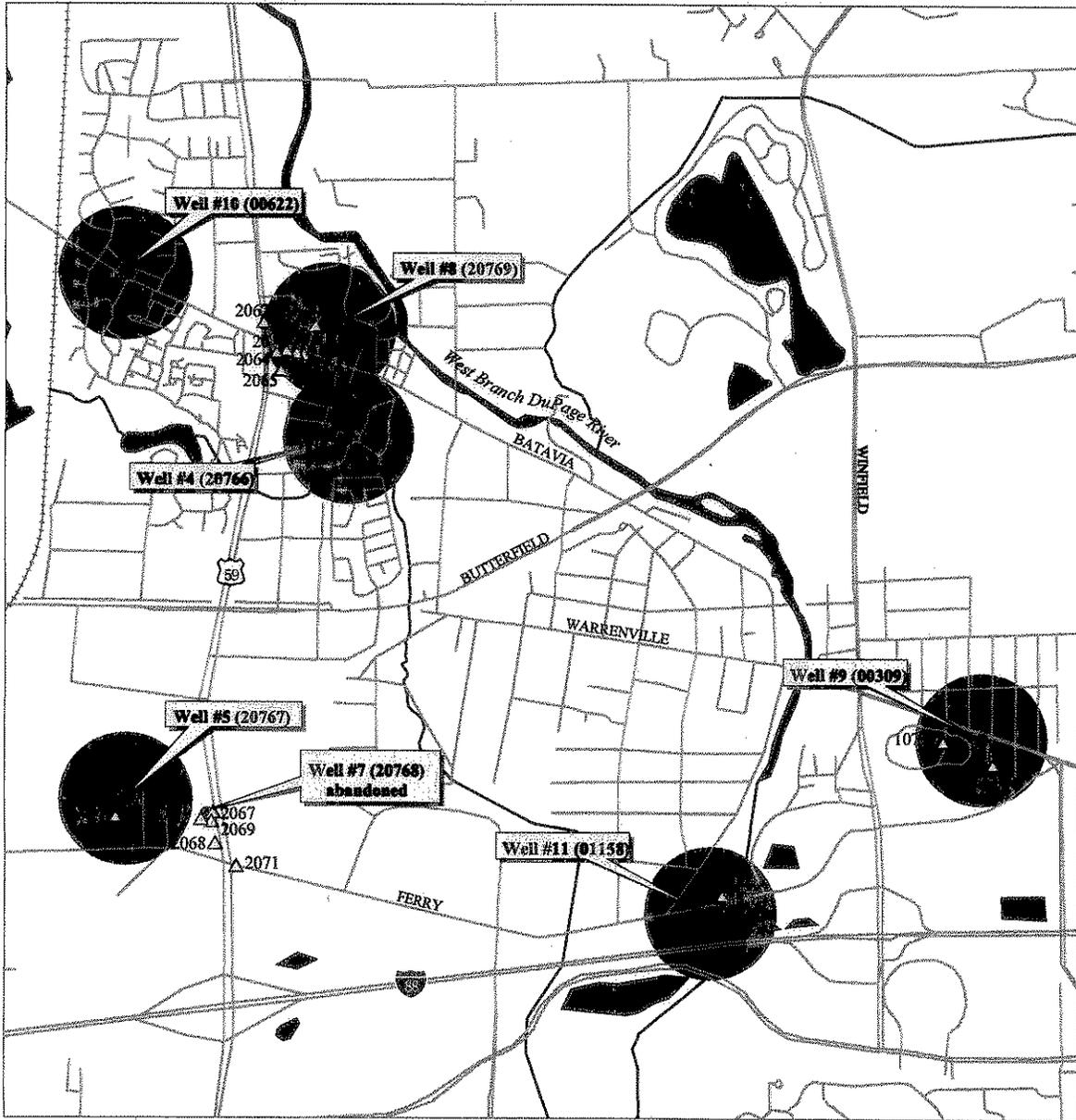
The Illinois EPA has determined that the Warrenville Community Water Supply's source water is not susceptible to contamination. This determination is based on a number of criteria including: monitoring conducted at the wells; monitoring conducted at the entry point to the distribution system; and the available hydrogeologic data on the wells.

#### **SOURCE WATER PROTECTION EFFORTS:**

The Illinois Environmental Protection Act provides minimum protection zones of 200 feet for Warrenville's wells. These minimum protection zones are regulated by the Illinois EPA.

To further minimize the risk to the groundwater supply, the Illinois EPA recommends that three additional activities be assessed. First, the city may wish to enact a "maximum setback zone" ordinance to further protect their water supply. These ordinances are authorized by the Illinois Environmental Protection Act and allow county and municipal officials the opportunity to provide additional protection up to a fixed distance, normally 1,000 feet, from their wells. Second, the water supply staff may wish to revisit their contingency planning documents. Contingency planning documents are a primary means to ensure that, through emergency preparedness, the city will minimize their risk of being without safe and adequate water. Finally, the water supply staff is encouraged to review their cross connection control program to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives provided by the city.

# WELLHEAD PROTECTION PLANNING MAP FOR WARRENVILLE (FACILITY #0430833)



## Legend

- CWS Wells
- △ Potential Sources Of Contamination
- ▬ Rails
- ▬ Roads
- ▬ Streams
- Minimum Setback Zone
- Existing or Potential Maximum Setback Zone

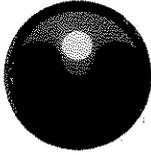
1000 0 1000 2000 3000 4000 Feet

### FOR MORE INFORMATION CONTACT:

Groundwater Section, Bureau of Water  
 Illinois Environmental Protection Agency  
 1021 North Grand Avenue East  
 Springfield, IL 62794-9276  
 Ph# (217)785-4787

### Source Information

Roads, Rails, and Streams from Dynamap 2000.  
 CWS Wells and Potential Sources from Illinois EPA.  
 Map compiled by Groundwater Section, Illinois EPA.



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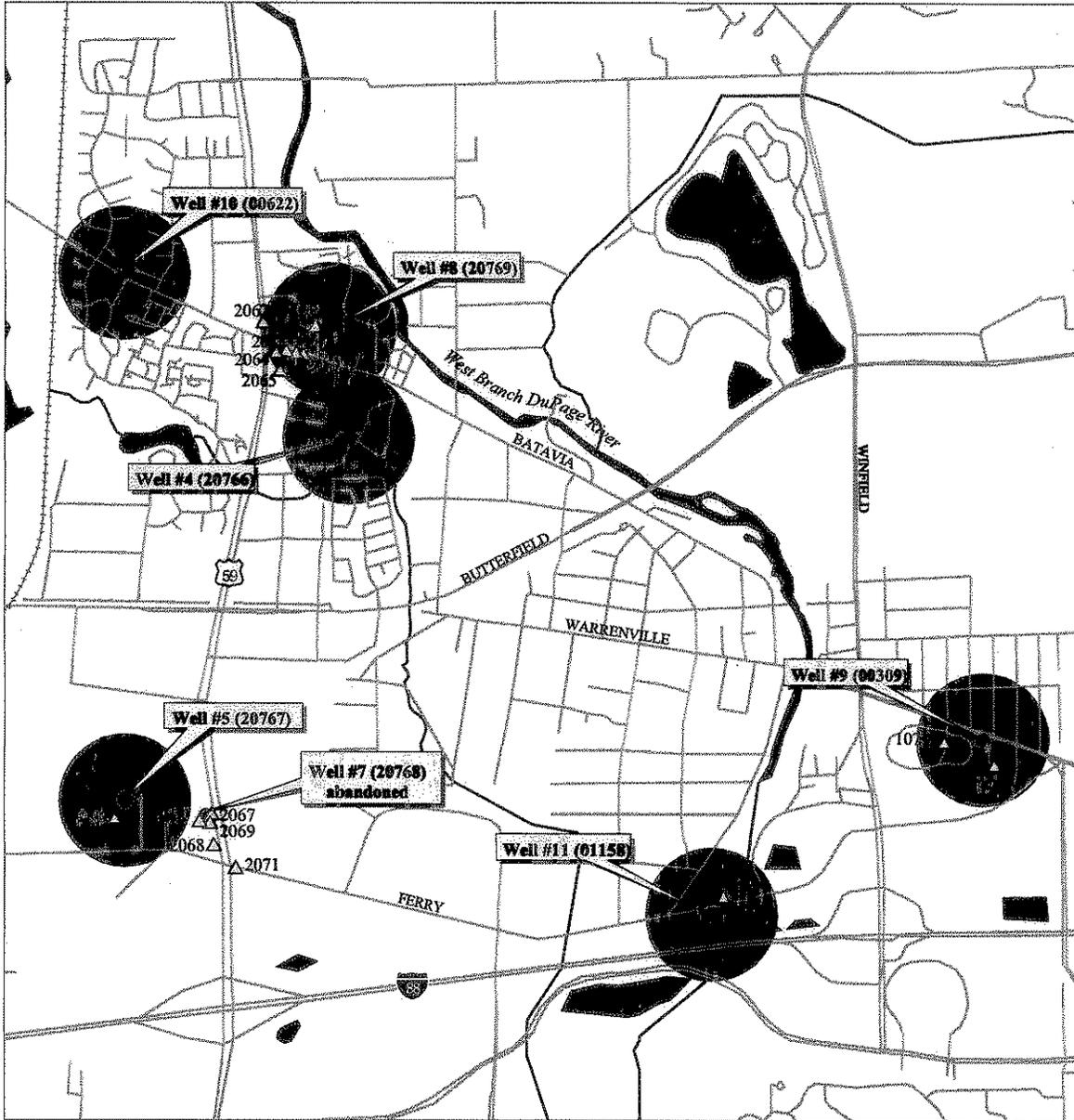
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